

Daylight & Sunlight Performance & Impact Report -Preliminary

PP1, Flemington Lane. Balbriggan, Fingal.



1 Version

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2 Introduction

2.1 Purpose

2.1.1 The Proposal

The proposed development involves the construction of 146 new dwellings in a mix of houses and apartments, and other facilities in a new development within the Flemington Local Area Plan in north Balbriggan in Fingal, Co Dublin.

2.1.2 This Document

This document comprises a presentation of daylight and sunlight related assessments that were carried out as part of the applicants planning application submission and sets out the standards, methodologies, subjects of assessment within the proposed new structures and for any nearby residential neighbours.

2.1.3 The Study

The study was conducted for the purposes of assessing the daylight and sunlight performance of the proposed new dwellings in a large residential development at Flemington Lane, Balbriggan, Fingal, and also to assess the potential for impact on any affected residential neighbours due to the development.

The report provides a quantitative assessment of sunlight access and daylight levels within the new dwellings, amenity sunlight to designated outdoor spaces, and assesses the potential for impacts to residential neighbours daylight, sunlight and amenity sunlight, where applicable, by the proposed design of the development.

The document sets out relevant policy standards and guidelines with respect to daylight, sunlight and overshadowing, the methods used to assess the impacts, the baseline conditions currently existing at the development site and the results of the assessment and how they meet the recommendations, requirements and targets in the Standards and Guidelines.

Further technical information will be provided in the Appendices. The assessment was undertaken by Solearth Design Analysis www.solearth.ie For more information on their expertise and qualifications to carry out such a study, see Approval below.

2.2 Planning Context

The development is located within Fingal planning area and is subject to its county Development Plan's (CDP) policies and related local area plans and LRD masterplan documents as well as the European British and Irish daylight design standards, settlement design guidelines, apartment design standards and site design layout guidance referred to below (as relevant).

It is the subject of a LRD planning application to Fingal Co Council.

2.3 How to read this report.

The Guidance calls for separate assessments of a proposed development's performance and of neighbours impacts. This report seeks to make the 2 separate assessments, (guidance, methodologies and their results) clear. Where discussion is necessarily intermingled, language in black font shall refer to scheme performance or refer to both while blue font shall denote paragraphs referring only to neighbour impacts. Lilac coloured font indicates that the guidance/guidelines/standards state that results are to be considered as recommendations only and not as mandatory standards in that other competing priorities should be taken into consideration also.

3 Executive Summary

The proposed development complies with the recommendations in the Standards and Guidelines for daylight and sunlight provision and amenity sunlight within a new residential development and complies with recommendations to avoid impacts to neighbours daylight, sunlight and amenity sunlight in the relevant Standards.

All habitable rooms in the 146 new dwellings were assessed for daylight provision (SDA) with 98% achieving full compliance with the requirements of BS EN 17037. Many rooms far exceed the required standard.

Of the 146 dwelling units assessed for Sunlight Exposure requirements for new homes, 95% meet the EN 17037 criteria.

Of the projects 4 designated public / communal / environmental open spaces assessed for Amenity Sunlight under BRE 209, (2022) methodologies, all comply with the recommendations of the Standard. All spaces far exceed the required standard.

Of the projects private amenity spaces assessed for Amenity Sunlight under BRE 209, (2022) methodologies, all comply with the recommendations of the Standard.

Of neighbours that were screened for potential impacts, none were at risk of being impacted under BRE 209 (2022) provisions and recommendations.

Flemington Ln. CA4	Daylight	Sunlight	Amenity Sunlight
Proposed Dwellings	SDA	SE	SoG
	Assessment Results		
	BS EN 17037	EN 17037	BRE 209 (2022)
All Dwellings	98%	95%	
Houses	100%	97%	
Block A	96%		
Block B	75%		
Block C	80%		
Apartments (all)	93.8%	100%	
	% units/rooms/areas meeting criteria		
Outdoor Amenity COS, POS, EOS			100%

Private Amenity	100%		
	% units/rooms/areas meeting criteria		
Neighbours	BRE 209 (2022) (all)		
	VSC	a&wPSH	BRE 209 (2022)
	Screening Results		
Houses (Windows)	100%	100%	100%
External/ gardens	% not impacted		

Compliance Summary Table -All standards (all performance and impact classes)

4 Relevant Assessments

4.1 Terms of Reference

The requirement is for an assessment of the daylight provision within the new dwellings, and their sunlight exposure levels as defined in BS EN 17037 and /or EN 17037 as well as amenity sunlight and for an assessment of potential impacts to residential neighbours daylight (VSC), sunlight (a/wPSH) and outdoor amenity sunlight to standards set out in BRE 209 (2022).

4.2 Design Assessed

The design proposal that is the subject of this assessment is the design by JFOC Architects of 19 August 2026 to be submitted to the Planning Authority as part of an LRD planning application imminently.



Site plan of proposed scheme

4.3 Scoping

4.3.1 In Scope

Based on good practice, the scope of required assessments carried out are set out below:

Proposed Project

- daylight provision (SDA) within the proposed dwellings (BS EN 17037).
- sunlight exposure (SE) within the proposed dwellings (EN17037).
- amenity sunlight to designated communal/ public/shared open spaces and private amenity spaces (in clusters) of the proposed development (BRE 209 (2022)).

Neighbouring Dwellings

- Preliminary/ screening assessment impact to daylight, sunlight, and amenity sunlight of adjacent residential neighbours (BRE 209 (2022)).

4.3.2 Ex Scope

Neighbouring Dwellings

Under the screening process set out below the following were deemed to be out of scope

- Daylight access (VSC) to neighbours windows under BRE 209 (2022)
- Sunlight access (APSH & WPSH) to neighbours windows under BRE 209 (2022)
- Amenity Sunlight (sun on ground) to neighbour outdoor garden areas under BRE 209 (2022)

5 Guidance and Standards

5.1 General Principles

The following guidance documents and standards have been consulted when compiling this report to ensure compliance with the various Daylight and Sunlight requirements as applicable and relevant:

The Building Research Establishment's (BRE) Site Layout Planning for Daylight and Sunlight: A guide to good practice (BRE 209) 3rd edition/ 2022 edition, ('BRE 209').

British Standard BS EN 17037:2018 – Daylight in Buildings (the 'UK Standard' / the UK National Annex NA).

European (and Irish) Standard EN 17037:2018 aka IS EN 17037 (the 'European Standard').

The 2008 British Standard has been superseded by the 2018 British Standard, and BRE Guide 2nd Edition has been superseded by BRE Guide 209's 2022 (3rd) edition. Both previous revisions have now been withdrawn. Together these documents are referred to below as the **Guidance** (see below).

5.2 Design Guidelines

5.2.1 Design Standards for New Apartments

In 2025 the Department published revised guidelines for the design of new apartments Sustainable Urban Housing: Design Standards for New Apartments including reference to daylight and sunlight. These guidelines have been updated from previous versions to make reference to the documents below.

5.2.2 Urban Development (Height) Guidelines

The 2018 Urban Development and Building Height Guidelines may in some cases pertain to and offer guidance on daylight and sunlight design. They provide similar recommendations (and note similar limitation) as the apartment guidelines but refer to the 2nd (2011) edition of the BRE 209 document now withdrawn. This assessment pays regard to the recommendations provided in the BRE guide 'Site layout planning for daylight and sunlight – A guide to good practice' (2022 - 3rd Edition).'

5.2.3 Compact Settlements Guidelines.

The Sustainable Residential Development and Compact Settlement Guideline were introduced in 2024. In section 5.3.7 they call for the planning authority to consider when to require a detailed technical assessment of daylight in new projects and in cases where so required state that regard be had to quantitative performance approaches to daylight provision in guides like EN 1737, UK National Annex BS EN17047 and BRE 209 (2022).

5.3 The Standards

5.3.1 BRE 209 (2022) Site Layout Planning for Daylight and Sunlight, a guide to good practice.

This document provides guidance and recommended or good practice to achieve and assess levels of daylight and sunlight within habitable indoor spaces and outdoor amenity spaces of new dwellings. It also sets out how to evaluate potential impacts to neighbours daylight, sunlight and outdoors amenity sunlight.

For neighbour impact assessment it sets out methodologies in some detail. These are discussed hereunder.

For evaluation of the daylight and sunlight levels of new dwellings, it recommends (in it's Section 2.1 and Appendix C) to use of one of the two methodologies in BS EN 17037 and or EN 17037.

5.3.2 EN 17037:2018,

EN 17037 is the new European Standard for daylighting. It was adopted across Europe in 2018 and was transposed into the Irish context without modification as IS-EN 17037:2018. It covers all building types (usages) and in its recommendations are the same for all building types. It was adopted in the UK as BS EN 17037:2018 with amendments to target illuminance levels for dwellings that are significant for Ireland. It covers 4 aspects: natural light (daylight provision) indoors, sunshine exposure, glare and view quality and sets out the definitions, considerations, metrics, standards and assessment methodologies for each.

Below we refer to them as the European Standard (IS EN 17037) or the UK Standard (BS EN 17037) respectively.

Under this approach we move away from previous guidance in BRE 209 (2nd edition 2011) which applied an average daylight factor across any space as the illuminance target with the methodology being to analyse a whole space and derive one single DF average for its illuminance.

Both versions mandate a measurement approach based on median daylight instead of the average daylight used in previous guidance. “A space is considered to provide adequate daylight if a target illuminance level is achieved across a fraction of the reference plane within a space for at least half of the daylight hours.” Verification can be achieved either by calculation using digital building models and assessment software or by post construction on site measurement.

EN17037 has two assessment methodologies to assess daylight provision using validated software (ie by calculation): the Daylight Factor and the Illuminance Levels methods.

The daylight factor method requires target and minimum daylight factors (DF) to be achieved on a working plane. (DF is the proportion of daylight available outside a building in an unobstructed scenario, to that arriving on a working plane inside at the same moment in time.

The illuminance method, requires target and minimum lux levels to be achieved on the working plane but uses climate data and specific time step throughout the years to calculate performance.

In our daylight provision assessments in this report, we exclusively use the illuminance method as it uses local climate data and evaluates daylight performance over the whole day and year.

The texts of the UK standard and the European standard are the same, with one difference. The difference is that the UK standard appended an additional National ‘Annex’ (NA). This additional section, sets out specific illuminance (lux) level requirements within dwellings, to achieve continuity with the previously accepted good practice mandated in the superseded 2008 British Standard which was informed by decades of authoritative research at the Building Research Establishment in Britain.

Daylight Provision -Illuminance Method.

Under the Illuminance method EN17047 (both the European/ Irish and The UK versions) internal daylight availability illuminance targets are set by lux levels (both a target one which must be met across 50% of the space, and a minimum one which must be met across 95% of it) for half of the daylight hours of the year. These are to be achieved over 50% of the room area (analysed on a grid and excluding a boundary zone near walls).

The European Standard recommends that the minimum level for target illuminance is 300 lux and the minimum illuminance is 100 lux (or equivalent mDFs). Under the European Standard these levels must be reached regardless of the function of the room or building type, across all of Europe.. In application, these lux levels are then converted to median daylight factors (mDFs) for each specific country or city in Europe to serve as a DF equivalences for that location. Note that the UK Standard (BS EN 17037) modifies application of the same levels to all building types to instead apply specific lower levels to dwellings. (see below)

Sunlight Exposure

The ability of sunlight to access an interior space is termed Sunlight Exposure (SE) in the revised standard (all versions). See more on SE below.

5.3.3 BS EN 17037 The UK National Annex (relevance to Ireland)

The above lux level recommendations (300 and 100 lux) of IS EN 17037 the International / Irish Standard translate to equivalent median daylight factors in UK and Ireland locations of 2% and 0.7%. Again, these standards must be reached regardless of the function of the room or building type.

It is widely accepted that these targets are too rigid and too onerous to apply to *housing* in the UK or Ireland and it is for this reason that when it was transposed into the British context as BS EN17037 the amendments in their National Annex were made.

The National Annex of BS EN 17037 states in its introduction: *The UK committee supports the recommendations for daylight in buildings given in BS EN 17037:2018; however, it is the opinion of the UK committee that the recommendations for daylight provision in a space may not be achievable for some buildings, particularly dwellings. The UK committee believes this could be the case for dwellings with basement rooms or those with significant external obstructions (for example, dwellings situated in a dense urban area or with tall trees outside), or for existing buildings being refurbished or converted into dwellings. This National Annex therefore provides the UK committee's guidance on minimum daylight provision in all UK dwellings."*

Where the International standard methodology has both a single lux/ DF target for all room types (buildings) and applies the above double metric, the 'national annex' (NA) of the UK Standard changed this to require that target median daylight factors, which are in turn specific to the kind of room under study (see below)) must be only achieved over 50% of the space for 50% of the time. "Even if a predominantly daylight appearance is not achievable for a room in a UK dwelling, the UK committee recommends that the target illuminance values given in Table NA.1 are exceeded over at least 50% of the points on a reference plane 0.85 m above the floor, for at least half of the daylight hours."

The NA sets these minimum daylight requirements for UK dwellings with illuminances (lux) levels recommended for these different room types:

- bedrooms at 100 lux ie 1.0% median daylight factor,
- living /other rooms at 150 lux ie 1.5% median daylight factor,
- kitchens, or spaces containing kitchens, at 200 lux ie 2.0% median daylight factor.

It is in the context of the UK committee's opinion above as well as having regard to the Dublin City Development Plan daylighting annex referenced above, that experts consider that BS-EN 17037 is the most suitable guideline document for assessing daylight provision and distribution in new dwellings here in Ireland. This is the practice followed in our assessments, though given the continued reference to the Irish standard we do on occasion also provide the results for analysis under its recommendations for information only.

5.3.4 Standards – Development Plans

Dublin City Development Plan

Dublin City is the planning authority that most deals with large scale dense new housing projects in Ireland. As such its approach to applying the relatively new guidance on the daylight and sunlight performance of new housing projects is considered instructive and taken account of by other authorities.

The DCC Development Plan of 2022 to 2028 in its Appendix 16 states:

Prior to 2018 Ireland had no standard for daylight. In 2018 the National Standards Authority of Ireland adopted EN 17037 to directly become IS EN 17037. It is important to note that no amendments were

made to this document, and unlike BS EN 317037 in the UK, it does not contain a national annex (which would localise it to Irish conditions) it offers only a single target for new buildings (there are no space by space targets – eg a kitchen would have the same target as a warehouse or office). It does not offer guidance on how new developments will impact surrounding existing environments. These limitations make it unsuitable for use in planning policy or during planning applications. BRE 209 must still be used for this purpose. (DCDP Appendix 16 section 3.4)

In 2018 a new European wide standard for daylight was introduced being EN 17037. In the UK the standard was published as BS EN 17037 and importantly it contains a national annex. The national annex in BS EN 17037 attempts to align the guidance and expectations of the new European standard within now superseded BS 8206-2. BS EN 17037 does not offer any guidance on how new developments will impact on existing surrounding developments the minimum data provision targets given within the national annex have relevance. (DCDP Appendix 16 section 3.3)

It should be noted that BRE 209 references the various EN 17037 versions below so as to ensure the consistency required of good daylight and sunlight practice is achieved.

5.3.5 Standards - Daylight

The BRE Guide *Site Layout Planning for Daylight and Sunlight: A guide to good practice (BRE 209) 3rd edition/ 2022 edition* describes its purpose in the following terms (Summary section v):

“This guide gives advice on site layout planning to achieve good sunlighting and daylighting, both within buildings and in the open spaces between them. It is intended to be used in conjunction with the interior daylight recommendations for new buildings in the British Standard Daylight in buildings, BS EN 17037. It contains guidance on site layout to provide good natural lighting within a new development; safeguarding of daylight and sunlight within existing buildings nearby; and the protection of daylighting of adjoining land for future development.”

BRE 209 (2022)

BRE 209 Daylight Test - Neighbour Impacts

Externally, daylight availability is reported using a metric called vertical sky component (VSC) whereby before and after tests of the portions of sky, and the recorded quantum of illumination coming from that sector of sky, that reaches the windows of the space analysed.

For existing neighbouring dwellings who's daylight might be impacted on by a proposed development, the BRE document sets out a two step test; stating that a kitchen, living room, or bedroom window may be adversely affected if, after the proposed development :

- the centre of the window in question has a vertical sky component (VSC) of less than 27% and
- its VSC is less than 0.8 times its former value (i.e. more than 20% loss)

5.3.6 Standards - Sunlight

BS EN 17037

EN 17037 governs the standards for Sunlight Exposure to new dwellings. It sets out the recommendations for sunlight availability for the interior of a dwelling. It recommends that a room should receive a minimum of 1.5 hours of direct sunlight on a selected day between 1st of February

and 21st of March. The single day of March 21st (September 21st) is normally taken as representing this condition.

BRE 209 (2022)

For outdoor spaces, an assessment of incident sunlight (termed amenity sunlight or sun-on-ground) is carried out to certain external surfaces - to the provision of BRE 209 (2022). 2 hours sunlight should be achieved on the same sample dates as above (to 50% of the area).

BRE 209 Sunlight Test- Neighbour Impacts

For existing neighboring dwellings whose sunlight might be impacted on by a proposed development, the BRE sets out a three-step test to be applied to windows of living rooms (only) that are within 90 degrees (on plan) of south, stating *that existing dwellings may be adversely affected if, after the proposed development, the centre of the window in question:*

1. receives less than 25% of the annual probable sunlight hours or less than 5% of the probable sunlight hours in winter, and
2. receives less than 0.8 times its former sunlight hours either across the year or in winter, and
3. has a reduction in sunlight received over the whole year greater than 4% of the annual probable sunlight hours.

5.3.7 Standards - Amenity sunlight

For both proposed and existing neighbour residential developments Section 3.3.3 of BRE 209 sets out the recommended standard and assessment methodology for sunlight to designated external amenity areas. It states (Section 3.3.3) that the availability of sunlight should be checked for the main back gardens of a house or communal gardens including courtyards and roof terraces, parks and playing fields, children playgrounds, outdoor swimming pools, sitting out areas such as those between non domestic buildings and in public squares, nature reserves, marinas/ boating areas.

In these situations (only), Section 3.3.7 of BRE 209 recommends that at least half the amenity area under assessment should receive at least two hours sunshine on March (or September 21st). Clearly it will then receive progressively more sunlight throughout the course of the summer up to the June 21st summer solstice.

If an amenity space does not meet the *2 hours over half its area* recommendation above and if, as a result of new development, an existing garden or amenity area receives less than 0.8 times its former value (ie a loss of 20% or more), then the loss of sunlight is likely to be noticeable (Section 3.3.17, BRE 209 -2022).

As shadow plans /overshading diagrams do not calculate the % of an outdoor amenity zone's surface area receiving 2 hours sunlight on the equinox dates, BRE 209 considers them as merely illustrative rather than the quantitative test it sets out in its section 3.3.7.

5.4 Assessment Approach Summary

	Proposed Project (self tests)	Neighbouring Dwellings (neighbour impact tests)
Daylight		

focus	to habitable rooms	to windows of habitable rooms
standard	BS EN 17037 (or IS EN 17037 / EN 17037)	BRE 209 (2022)
metric	mdDF (or tDF & mnDF)	VSC
Sunlight		
focus	windows of habitable rooms	on windows of living rooms (if w/in 90° of south)
standard	IS EN 17037/ EN 17037	BRE 209 (2022)
metric	Hours sunlight on Mar/ Sept21	APSH & WPSH
Amenity Sunlight		
focus	sun on ground of certain outdoor amenity spaces	Sun on ground of listed outdoor amenity spaces
standard	BRE 209 (2022)	BRE 209 (2022)
metric	hours sunlight on Mar/ Sept21	hours sunlight on Mar/ Sept21

See glossary in Appendix for explanation of acronyms

5.5 Flexibility in the Guidance

Irish planning policy advises that in instances where it is not possible to demonstrate full conformity with advisory minimums consent-authorities are entitled to accept departures where other planning objective are found to countervail.

Specific guidance on this matter is provided within Section 4.5 of the National Planning Framework (2025) where it states as follows:

“To enable brownfield and infill development, planning policies and standards need to be flexible, focusing on design-led and performance-based outcomes, rather than specifying absolute requirements in all cases. Performance-Based Design Standards are a goal oriented design approach which involve developing standards to achieve a particular outcome (for example, preventing undue overshadowing) rather than applying rigid quantitative standards in all cases (for example, mandatory separation distances). Performance criteria are the indicators that are identified in assessing the outcome. Although sometimes necessary to safeguard against poor quality design, planning standards should be flexibly applied in response to well-designed development proposals that can achieve urban infill and brownfield development objectives in settlements of all sizes. In particular, general restrictions on building height or universal standards for car parking, separation distances or garden size may not be applicable in all circumstances in urban areas and should be replaced by performance-based criteria appropriate to general location, e.g. city/ town/ village centre, urban neighbourhood, public transport interchange, suburban or edge location etc. A more dynamic performance-based approach appropriate to location will also enable the level of public transport service to improve as more development occurs and vice-versa. An important first step in prioritising infill and brownfield development is the identification of these opportunity sites in the local authority

development plan. As part of the 'Settlement Capacity Audit' prepared as an input to the Development Plan process, local authorities should map brownfield/ infill sites that have regeneration and development potential and publish the outputs. The Urban Development and Building Height Guidelines issued in 2018 and the Sustainable Residential Development and Compact Settlements Guidelines issued in 2024 under Section 28 of the Planning and Development Act (as amended), provide detailed guidance and standards in support of NPO22."

On the basis that this guidance is applicable to daylight standards it is evident that a clear basis exists for consenting authorities to accept shortfalls from advisory minimum standards in instances where a countervailing planning objective(s) exists.

Additional support is provided in Section 28 Planning Guidelines,

The Apartment Guidelines state (in Paragraph 6.7) :

where an applicant cannot fully meet all of the requirements of the daylight provisions above this must be clearly identified an error and the rationale for any alternative compensatory design solutions must be set out which planning authorities should apply their discretion in accepting taking account it's assessment of (the) specific(s) of the scheme)

This may arise due to design constraints associated with the site or location and the balancing of the assessment against the desirability of achieving wider planning objectives Such objectives might include securing comprehensive urban regeneration and or an effective urban design and streetscape solution.

The Compact Settlement Guidelines state (Para 5.3.7):

In drawing conclusions in relation to daylight performance planning authorities must weigh up the overall quality of the design and layout of the scheme and the measures proposed to maximize daylight provision against the location of the site and the general presumption in favour of increased scales of urban residential development. Poor performance may arise due to design constraints associated with the site or location and there is a need to balance that assessment against the desirability of achieving wider planning objectives such objectives might include secure and comprehensive urban regeneration and or an effective urban design and streetscape solution.

The BRE 209 Guide notes (par 1.6 and 1.7):

The guide is intended for building designers and their clients, consultants, and planning officials. The advice given here is not mandatory and the guide should not be seen as an instrument of planning policy; its aim is to help rather than constrain the designer. Although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design (see Section 5). In special circumstances the developer or planning authority may wish to use different target values. For example, in a historic city centre, or in an area with modern high-rise buildings, a higher degree of obstruction may be unavoidable if new developments are to match the height and proportions of existing buildings. Alternatively, where natural light is of special importance, less obstruction and hence more sunlight and daylight may be deemed necessary. The calculation methods in Appendices A and B are entirely flexible in this respect. Appendix F gives advice on how to develop a consistent set of target values for skylight under such circumstances.

The guidance here is intended for use in the United Kingdom and in the Republic of Ireland, though recommendations in the Irish Standard IS EN 17037 may vary from those in BS EN 17037. Many of the

principles outlined will apply to other temperate climates. More specific guidance for other locations and climate types is given in BRE Report Environmental site layout planning.

Therefore, if the situation arises where the targets identified within the guidance are not reached, the differences should be indicated and either justified in the context of the proposal or if possible 'compensatory measures' can be suggested. In this report, departures from the targets and references in the guidance will be identified, and mitigations will be proposed to reduce or eliminate the impacts.

6 Assessment Methodology

This assessment follows the methodology, procedures and recommendations of EN 17037, BS-EN17037 and BRE 209 (2022) as relevant, for assessing the performance of the proposed scheme and follows the methodology, procedures and recommendations of BRE 209 (2022) for assessing potential impacts to neighbours.

6.1 Assessment Process

Using the design information related to the proposal information, as received from the architects, as well as site specific measurements and positions taken locally, online mapping data and where available information derived from recent nearby planning applications a 3D computer model of the existing context and the proposed development has been created by the author.

The overall 3D model sets out the proposed buildings geometry, levels, walls, floors, ceilings, windows and doors at the correct levels, orientation/ and location. The study model includes for habitable spaces of dwellings, the window geometry and specification. Reflectances for the materials are also accounted for (see below).

Using proprietary accredited software and methodologies associated with it, a number of daylight and sunlight assessment tests have been carried out. The simulation processes follow the procedures set out in ISO 15469:2004 being quantitative, climate based calculations that provide a comprehensive assessment of the performance before and after a proposed development.

The evaluations takes account of space, time and climate. The spatial reality is represented using the 3D computer model of the proposed building and the local spatial context outside. The standards allows use of a calculation of the daylight levels expected to occur at such a latitude (usually a weather file for the nearest weather station). A climate file for Dublin airport has been used in this assessment.

The analysis procedure for daylight autonomy (availability) to residential spaces sets out a matrix of analysis points across the plan of the rooms (ignoring a 500mm band along the perimeter) at a height of 850mm over floor level.

6.1.1 Software Specifics

The software utilised for this analysis is Waldram Tools by MBS Software Ltd. (UK Company No: 3344454). It utilises accredited industry standard simulation technology Radiance and follows the BREs Waldram Methodologies BRE 209 (2022), BS EN17037 and EN 17037 for daylight and sunlight analysis and calculates in accordance with procedures set out in in ISO 15469: 2004. It has been used on hundreds of daylight sunlight and rights to light analyses over the past 15 years.

6.1.2 Daylight Provision

Proposed New Dwellings

The guidelines present two main methods of calculating daylight: Spatial Daylight Autonomy (availability) (SDA) and related methods Daylight Factor (DF) and the Vertical Sky Component (VSC) method.

The DF and SDA methods, used for within a proposed development, are derived from European standard for daylighting BS EN 17037 and British Standard 8206 Part 2, Code of Practice for Daylighting. The Spatial Daylight Autonomy (availability) (SDA) method is a more complex and accurate representative calculation than DF to determine natural internal luminance. It takes into account not only sky geometries, but also factors such as window size, number of windows available to the room, room size, glass transmittance and room surface reflectance and calculates each of up to 50 points in a room over 4000 times to assess the performance through the course of the years and adjusts for the exact orientation of windows.

Neighbours

The guidelines presents a step by step methodology of evaluating potential impacts to a neighbours daylight availability under BRE 209 (2022) first. A step by step procedure, first screening out the need for assessment where relevant and where not applying the VSC assessment methodology.

Section 2.2 of BRE 209 screens out the need for daylight assessment if:

Section 2.2.4: the distance of each part of the new development is three or more times its height (above the centre of the window assessed), from it. If that is not the case the next assessment should be carried out.

Section 2.2.5: the angle on section of a plane drawn perpendicular on plan to any affected (or potentially affected) neighbouring residential window, is less than 25 degrees.

If this is the case no further assessment is necessary. If not, the Vertical Sky Component (VSC) methodology should be carried out.

Vertical Sky Component

The Vertical Sky Component (VSC) method measures the amount of light available on the outside plane at the centre of a window, as a ratio (expressed as a percentage) of the amount of total unobstructed sky visible following the introduction of visible barriers such as buildings.

The VSC assessment method is used to assess windows to neighbouring dwellings to evaluate whether they have suffered any unacceptable diminution in daylight.

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6.1.3 Sunlight Exposure

Proposed New Dwellings

For proposed new developments EN 17037 as well as IS / BS EN17037 recommends that habitable rooms in a dwelling receive a minimum number of hours sunlight on a given representative date over the year. A sunlight exposure test determining whether or not each space can receive at least the lowest acceptable level (1.5 hours on March or September 21st and in some cases the medium (3 hours) or higher (4 hour) targets. The target minima for a new dwelling is 1.5 hours and for an outdoor amenity space 2 hours. Sunlight exposure studies take account of on site location, longitude and latitude, and solar azimuths. i.e. buildings south of a site will not be impacted for sunlight in the northern hemisphere.

Neighbours

The guidelines presents a method of evaluating potential impacts on a neighbours sunlight under BRE 209 (2022). A step by step procedure, first screening out the need for assessment where relevant and where not, applying the annual and winter probable sunlight hour (a/pPSH) assessment methodology.

Section 3.2 of BRE 209 states that obstruction to a neighbours sunlight would not be an issue, and thus screens out the need for sunlight assessment if:

Section 3.2.2: no part of the new development is situated within 90 degrees (on plan) of due south of a main window wall of a residential neighbour and in a section drawn perpendicular to the existing main window wall, the new development subtends an angle less than 25 degrees (on section) measured from the centre of the lowest window.

Where the above conditions do not apply, the sunlight impact potential to main living rooms and or sunrooms (only) of the neighbour should be assessed using the Probable Sunlight Hours (PSH) (winter and annual) methodologies.

Probable Sunlight Hours

The PSH assessment method is used to assess windows to neighbouring dwellings to evaluate whether they have suffered any unacceptable diminution in noticeable.

Section 3.2.3: it is suggested that (window of) all main living rooms and conservatories, or other types of room with a living function e.g. bed sitting room) be checked. Room used for other purposes including kitchen and bedroom need not be checked.

The PSH methodology is described in detail under sections 3.2.4 to 3.2.8.

6.1.4 Amenity Sunlight

Proposed New Dwellings

Calculations assessing the number of hours sunshine incident upon the amenity space on March 21st should be carried out using accurate location and climate data applied to 3D models of the building geometries. For proposed new developments the assessment should include the existing context and the new development's geometries.

Neighbours

The guidelines presents a method of evaluating potential impacts on a neighbours sunlight under BRE 209 (2022). A step by step procedure, first screening out the need for assessment where relevant and where not applying the annual and winter probable sunlight hour (a/wPSH) assessment methodology.

Section 3.2 of BRE 209 states that obstruction to a neighbours sunlight would not be an issue, and thus screens out the need for sunlight assessment if:

Section 3.3.2: no part of the new development is situated within 90 degrees (on plan) of due south of a main window wall of a residential neighbour and in a section drawn perpendicular to the existing main window wall, the new development subtends an angle greater than 25 degrees (on section) measured from the centre of the lowest window.

Section 2.3.3: it is suggested that (window of) all main living rooms and conservatories, or other types of room with a living function e.g. bed sitting room) be checked. Room used for other purposes including kitchen and bedroom need not be checked.

Where the above conditions do not apply, the sunlight impact potential to main living rooms (only) of the neighbour should be assessed using the Probable Sunlight Hours (PSH) (winter and annual) methodologies.

Probable Sunlight Hours

The PSH assessment method is used to assess windows to neighbouring dwellings to evaluate whether they have suffered any unacceptable diminution in noticeable.

For assessment of potential impacts to neighbours and surrounding urban receptors, the assessment should include the existing context's geometry and then compare the geometry of the existing building and the proposed development to assess any changes or losses in sunlight duration or extent that may occur.

6.2 Assessments Carried Out- Proposed Project

6.2.1 Daylight Provision

A Daylight Availability (/daylight autonomy -SDA) quantitative assessment was carried out to all habitable rooms (bedrooms, kitchen dining, living etc) of all 146 proposed new dwellings according to the procedures set out in BS EN 17037. Vegetation as indicated on the architects drawings will included in the model and assessed where so stipulated by BRE 209 (2022).

6.2.2 Sunlight Exposure Assessment

A Sunlight Exposure (quantitative) assessment to the procedure set out in EN 17037 was carried out to all 146 proposed new dwellings of the development. Vegetation as indicated on the architects drawings will included in the model and assessed where so stipulated by BRE 209 (2022).

6.2.3 Amenity Sunlight

An amenity sunlight analysis of designated public/ shared outdoor spaces of the projects was carried out to the procedures and standards set out in BRE 209 (2022).

Private amenity zones to be subdivided as private gardens were assessed for amenity sunlight as contiguous zones (omitting garden fences) to the procedures and standards set out in BRE 209 (2022).



Public, communal and EOS zones assessed for amenity sunlight

6.3 Assessment Carried Out – Neighbours

The surrounding context was evaluated for the presence of neighbouring dwellings potentially vulnerable to natural light impacts. The residence indicated below was identified as the sole potential that might be influenced by the proposed scheme and was screened below for potential impacts to their daylight, sunlight and amenity sunlight under BRE 209 (2022).



Probable residential neighbour Flemington Lane for screening assessment (blue shape)

6.3.1 Preliminary Screening – Neighbour Impacts

BRE 209 (2022) sets out the preliminary steps to be taken to determine if a full impact assessment for potential risk of loss of daylight or sunlight access to a neighbouring residence be required in its sections 2.2.4 (daylight) and 3.2.2, 3.2.3 and 3.2.9 (sunlight, also applicable to amenity sunlight).

Daylight

For daylight it stipulates (section 2.2.4) that if a new development lies at a distance of more than 3 times the height of itself over the centre of a neighbour's window being evaluated (an angle of 18 degrees on section), no further test is required. If not Section 2.2.5 states that a section be drawn in a plane perpendicular to each affected main (habitable) room window, and the angle from the new development to the lowest assessable window's centre be measured. If this angle is less than 25 degrees from the new development, the neighbour's daylight is unlikely to be affected. Otherwise a more detailed check should be carried out.

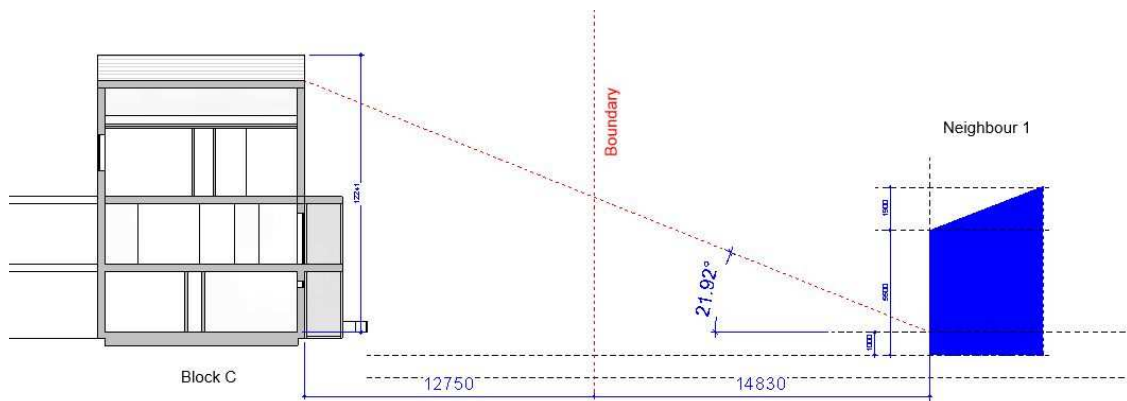
Sunlight

For sunlight, section 3.2.2 (of BRE 209 (2022)) stipulates that if any part of a new development lies below a line drawn East to West from a neighbour's window wall, and if on a line drawn perpendicular from an assessable window on that wall, the angle from the development's high point to the neighbour is greater than 25 degrees, a fuller assessment should be carried out. Otherwise no further assessment is required. It should be noted that only living rooms are required to be assessed.

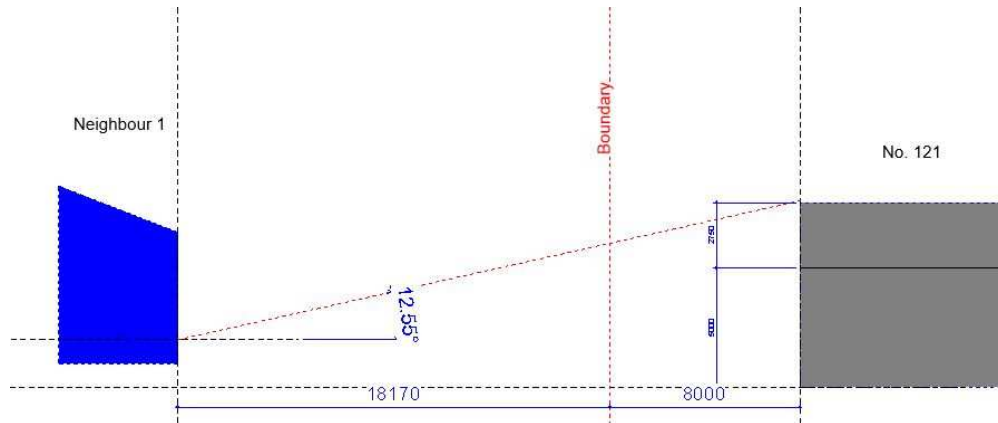
Screening Evaluation.

The subject neighbour lies on an east west line between our proposed Block C and our unit no 121

To its west, Block C subtend an sectional angle of 21.92 degrees to the neighbour's lowest window cill:



To its east proposed new unit no 121 subtends a sectional angle of 12.55 degrees to the neighbour's lowest window cill:



Conclusion

Given neither angle is larger than the 25 degrees stipulated in BRE 209's Sections 2.2.5 (daylight access) and 3.2.2 (sunlight access). The overall conclusion of the screening assessments are the evaluated dwelling does not require further assessment for any of the impact categories.

6.3.2 Daylight Assessment Neighbours

A daylight availability (quantitative) impact assessment comparing vertical sky components metrics before and after the development may be carried out to windows assumed to be to residential rooms in the selected neighbouring buildings to the procedures and standards set out in BRE 209 (2022).

BRE 209 (2022) contains methodologies to apply preliminary screening assessments that if criterion including ratios of distances and height (our new development compared to the distance and height of existing residences windows) are more than three times (section 2.2.4), no daylight loss assessment need be carried out

Section 2.2.4 of BRE 209 (2022)

2.2.4 Loss of light to existing windows need not be analysed if the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window. In these cases the loss of light will be small. Thus, if the new development were 10 m tall, and a typical existing ground floor window would be 1.5 m above the ground, the effect on existing buildings more than $3 \times (10 - 1.5) = 25.5$ m away need not be analysed.

The results of the screening are that none of the evaluated dwelling require further assessment for this impact category.

6.3.3 Sunlight Exposure Assessment- Neighbours

A Sunlight Exposure (quantitative) impact assessment comparing annual and winter probable sunlight hours before and after the development may be carried out for windows assumed to be to living rooms (ie ground floor windows) and only to windows facing within 90 degrees of south as stipulated by BRE 209 (2022) .

BRE 209 (2022) contains methodologies to apply preliminary screening assessments that if criterion including the relationship of position and orientation (our new development compared to location of

existing residences window walls), not being within 90 degrees of due south (Section 3.2.3), no sunlight loss assessment need be carried out.

Section 3.2.9 of BRE 209 (2022)

3.2.9 It is not always necessary to do a full calculation to check sunlight potential. The guideline above is met provided either of the following is true:

- If the distance of each part of the new development from the existing window is three or more times its height above the centre of the existing window (note: obstructions within 90° of due north of the existing window need not count here).
- The window wall faces within 90° of due south and no obstruction, measured in the section perpendicular to the window wall, subtends an angle of more than 25° to the horizontal (Figure 14 in section 2.2). Again, obstructions within 90° of due north of the existing window need not be counted.

The results of the screening are that none of the evaluated dwelling require further assessment for this impact category.

6.3.4 Amenity Sunlight -Neighbours

An amenity sunlight analysis of the assumed private outdoor open spaces, at ground level, of the subject dwellings will be carried out to the procedures and standards set out in BRE 209 (2022).

BRE 209 (2022) contains methodologies to apply preliminary screening assessments that if criterion positions, relative elevations and/ or if they are surrounded by high mature vegetation it may be that, no amenity sunlight assessment need be carried out.

The results of the screening are that none of the evaluated dwelling require further assessment for this impact category.

6.3.5 Overshadowing Assessment

A visual assessment of overshadowing, being visual rather than quantitative in nature will not be carried out. The Probable Sunlight Hours (PSH) methodology which produces quantified results is now the preferred way to assess sunlight impacts will be carried out instead.

BRE

6.4 Simulation Procedure

6.4.1 Test Subjects

A total of 142 new dwellings in apartment blocks, detached, semi detached and terraces of houses were assessed.



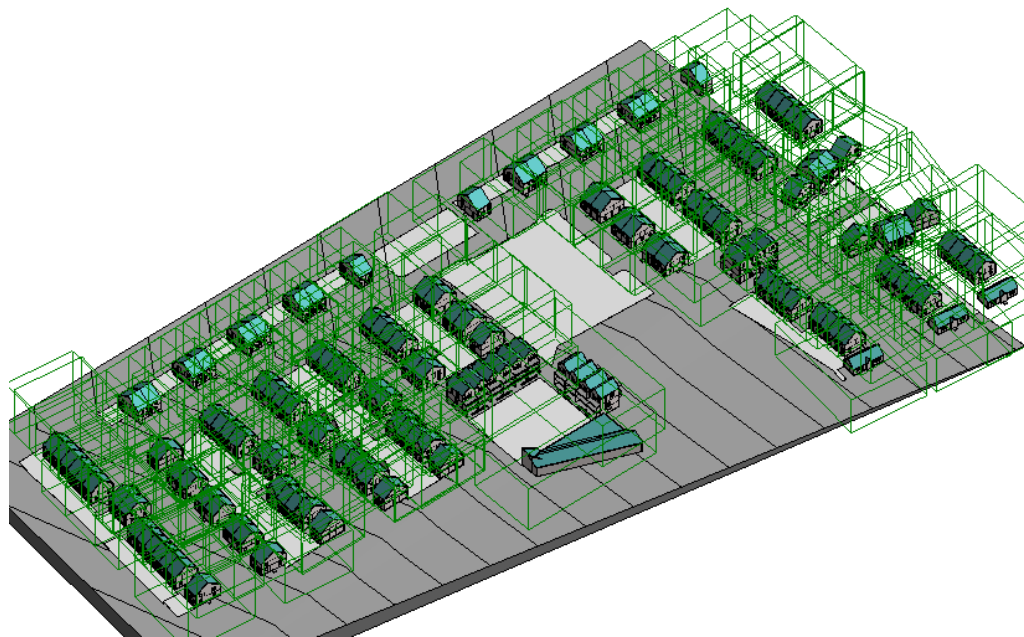
New houses (orange) and apartments(yellow) assessed

6.4.2 Test Model

A purpose built 3D computer model configured to provide accurate before and after simulation of the real condition on the ground was created by the author to represent::

- the proposed (post development) scenario comprising the new dwellings in context.

Study Model 3d view: Proposed



Apartment block references



All adjacent and nearby structures (walls and buildings) that are of influence to daylight and sunlight analysis have been included in the model.

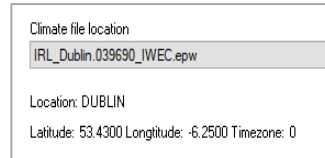
6.4.3 Test Scenarios and Assumptions -Neighbours

For existing nearby buildings given that neighbours houses are private property we do not have exact information on the elevations/ windows/eaves/ levels/ rooms (and room usages/ types), garden dimensions or levels, of these buildings. In these situation we combine any levels that have been surveyed from outside the neighbours property (supplied by the architects) with recent nearby planning applications (which usually show ‘as existing’ elevations and plans), imagery from street view and aerial imagery from online open sources and local photographs to generate a plausible likely/typical model of these premises. To assign likely room usages behind a window we assume ground level windows to be living, dining or kitchen spaces/rooms and upper level windows to be bedrooms- unless contrary indications are evident.

6.4.4 Assumptions and Constants – SDA /daylight

The digital model used in the assessments assumed the following material constants, settings and values:

<u>Transparency</u>	<i>transmission</i>
Glazing to windows and doors	87. %
Obscured glazing (if present /as per architects drawings)	80%
<u>Trees – Sunlight Exposure tests</u> (if included)	
Deciduous (March to September)	20%
Evergreen (Annual) / Deciduous (Sept-March)	55%
Trees _ SDA tests (annualised)	European Birch
<u>Other</u> -Window Framing	
window frame heights/widths:	70mm
window Maintenance co-efficient	0.095
transmission loss due to dirt	5%

Reflectances	reflectance
Ceilings	70%
Internal Walls	50%
Floors	20%
Other (external)	20%
Trees winter (if applicable)	10%
Trees summer (if applicable)	40%
Climate File: Dublin Airport	

7 Results

7.1 Terminology (results)

Assessment results are numerical in nature, usually a percentage of various metrics (% of room meeting the daylight factor/ lux targets, percentage of a room or space that receives the recommended sunshine exposure hours/level, etc). Each metric has a threshold that must be met to be deemed complaint or meeting the recommended standard.

We use the terms 'Pass', 'Meets', 'Minimum' or 'Yes' (depending on the language of the assessed criteria in the Guidance) to indicate that the assessed dwelling, room, amenity space (or window for neighbour impact tests) is compliant. For scores that exceed the threshold, terminology 'medium' or 'high' is used (both indicating compliance also obviously. For dwellings or rooms (/windows) that do not reach the threshold, the results are termed 'marginal' if they lie within a close range (see below) of the threshold (eg 47% where the threshold is 50%). For results below that, the terms 'Fail', 'No' / 'Not', 'Low' or 'Below' may be used. The word 'noticeable' in terms of neighbour impact assessment has the meaning described in BRE 209 (2022).

For Daylight Provision in proposed project performance assessments (SDA), results falling fully within the criterion here are deemed to PASS / YES ie they meet the target criteria for SDA.

In general results falling within 10% of the Lux AND % Effective Area requirements are deemed borderline or marginal.

For neighbour impact tests where post scenario level results are below the limits of noticeability (27% for VSC for and for sunlight 25% apsh and 5% wpsh), and where pre to post scenario reductions are more than the 20% threshold, the following impact descriptors are used; minor adverse: 20-29.99%

reduction, moderate adverse loss: 30-39.99%, substantial loss: >40% loss. See BRE 209 (2022) Sections 2.2.7 (daylight impacts) and 3.2.7 (sunlight impacts).

Daylight SDA Room use	Requirement			
	Req Lux	Req % of Effective	Req % of Daylight	Daylight Hours
Kitchen	200	50%	50%	4380
Kitchen-Dining-Living (KDL)	200	50%	50%	4380
Living, Dining, other Habitable	150	50%	50%	4380
Bedroom	100	50%	50%	4380

Table showing daylight autonomy (SDA) targets to be met (BS EN 17037)

Where impacts to neighbours are characterised as substantial, moderate, medium or minor adverse, these terms have the following quantitative meanings: Substantial: > 40% losses, moderate: 30 – 39.9% losses, minor: 20-29.9% losses. Reductions between 0 and 20% are termed discernible hereunder.

7.2 Assessment Results – Proposed Project

7.2.1 Daylight Provision

An assessment for daylight provision was carried out on habitable rooms throughout the project.

The results of the daylight provision SDA assessment to the dwellings are as follows:

Flemington Lane		PP1	
Assessment:			
Spatial Daylight Autonomy SDA (BS EN 17037			
Daylight		SDA	
Standard		BS EN 17037	
Unit Type/ Blocks		Qty Rooms Meets SDA Standard ?	% Rooms Meets SDA Standard ?
BlockA	30	29	96%
BlockB	20	15	75%
BlockC	15	12	80%
Houses	510	510	100%
Total	575	566	98%

Of habitable rooms in 146 dwellings tested, 98% meet the SDA targets in BS EN 17037 fully.

In terms of SDA results by room totals and unit, the results are set out as follows:

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
								meets SDA %			98%
u001	BC1.1-0-O	Office	4.62	2.29	2063	2.29	100%	150	50%	50%	YES
u001	C1.1-0-KD	KD	22.95	17.41	857	17.41	100%	200	50%	50%	YES
u001	C1.1-0-L	Live	16.42	11.9	502	11.9	100%	150	50%	50%	YES
u001	C1.1-1-B1	Bed	12.28	8.44	553	8.44	100%	100	50%	50%	YES
u001	C1.1-1-B2	Bed	11.58	7.82	970	7.82	100%	100	50%	50%	YES
u001	C1.1-1-B3	Bed	11.41	7.68	287	7.68	100%	100	50%	50%	YES
u001	C1.1-1-B4	Bed	8.13	5.01	597	5.01	100%	100	50%	50%	YES
u002	B4-0-KDL	KDL	36.03	27.51	669	27.51	100%	200	50%	50%	YES
u002	B4-1-B1	Bed	15.1	10.74	514	10.74	100%	100	50%	50%	YES
u002	B4-1-B2	Bed	11.71	7.87	201	7.87	100%	100	50%	50%	YES
u002	B4-1-B3	Bed	8.51	4.85	361	4.85	100%	100	50%	50%	YES
u003	A2_0_KDL	KDL	35.04	26.22	499	25.87	99%	200	50%	50%	YES
u003	A2_1_B1	Bed	12.19	8.11	646	8.11	100%	100	50%	50%	YES
u003	A2_1_B2	Bed	12.95	8.77	485	8.77	100%	100	50%	50%	YES
u004	B5-0-KDL	KDL	34.03	26.08	469	26.08	100%	200	50%	50%	YES
u004	B5-1-B1	Bed	11.76	7.75	687	7.75	100%	100	50%	50%	YES
u004	B5-1-B2	Bed	8.84	5.42	271	5.42	100%	100	50%	50%	YES
u004	B5-1-B3	Bed	7.45	3.95	491	3.95	100%	100	50%	50%	YES
u005	B5-0-KDL	KDL	34.03	26.08	466	26.08	100%	200	50%	50%	YES
u005	B5-1-B1	Bed	11.76	7.75	696	7.75	100%	100	50%	50%	YES
u005	B5-1-B2	Bed	8.84	5.42	276	5.42	100%	100	50%	50%	YES
u005	B5-1-B3	Bed	7.45	3.95	425	3.95	100%	100	50%	50%	YES
u006	A2_0_KDL	KDL	35.04	26.22	494	25.78	98%	200	50%	50%	YES
u006	A2_1_B1	Bed	12.19	8.11	648	8.11	100%	100	50%	50%	YES
u006	A2_1_B2	Bed	12.95	8.77	477	8.77	100%	100	50%	50%	YES
u007	B4-0-KDL	KDL	36.03	27.51	658	27.51	100%	200	50%	50%	YES
u007	B4-1-B1	Bed	15.1	10.74	510	10.74	100%	100	50%	50%	YES
u007	B4-1-B2	Bed	11.71	7.87	211	7.87	100%	100	50%	50%	YES
u007	B4-1-B3	Bed	8.51	4.85	386	4.85	100%	100	50%	50%	YES
u008	B1.1-0-KD	KD	16.73	11.8	871	11.8	100%	200	50%	50%	YES
u008	B1.1-0-L	Live	22.54	17.2	505	17.2	100%	150	50%	50%	YES
u008	B1.1-0-B1	Bed	14.62	10.38	550	10.38	100%	100	50%	50%	YES
u008	B1.1-0-B2	Bed	11.29	7.33	748	7.33	100%	100	50%	50%	YES
u008	B1.1-0-B3	Bed	9.34	5.77	314	5.77	100%	100	50%	50%	YES
u009	B1.1-0-KD	KD	16.73	11.8	792	11.8	100%	200	50%	50%	YES
u009	B1.1-0-L	Live	22.54	17.2	488	17.2	100%	150	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u009	B1.1-0-B1	Bed	14.62	10.38	422	10.38	100%	100	50%	50%	YES
u009	B1.1-0-B2	Bed	11.29	7.33	676	7.33	100%	100	50%	50%	YES
u009	B1.1-0-B3	Bed	9.34	5.77	313	5.77	100%	100	50%	50%	YES
u010	B4-0-KDL	KDL	36.03	27.51	703	27.51	100%	200	50%	50%	YES
u010	B4-1-B1	Bed	15.1	10.74	517	10.74	100%	100	50%	50%	YES
u010	B4-1-B2	Bed	11.71	7.87	203	7.87	100%	100	50%	50%	YES
u010	B4-1-B3	Bed	8.51	4.85	375	4.85	100%	100	50%	50%	YES
u011	A2_0-KDL	KDL	35.04	26.22	500	26.04	99%	200	50%	50%	YES
u011	A2_1_B1	Bed	12.19	8.11	650	8.11	100%	100	50%	50%	YES
u011	A2_1_B2	Bed	12.95	8.77	489	8.77	100%	100	50%	50%	YES
u012	B5-0-KDL	KDL	34.03	26.08	491	26.08	100%	200	50%	50%	YES
u012	B5-1-B1	Bed	11.76	7.75	687	7.75	100%	100	50%	50%	YES
u012	B5-1-B2	Bed	8.84	5.42	297	5.42	100%	100	50%	50%	YES
u012	B5-1-B3	Bed	7.45	3.95	511	3.95	100%	100	50%	50%	YES
u013	B5-0-KDL	KDL	34.03	26.08	489	26.08	100%	200	50%	50%	YES
u013	B5-1-B1	Bed	11.76	7.75	695	7.75	100%	100	50%	50%	YES
u013	B5-1-B2	Bed	8.84	5.42	295	5.42	100%	100	50%	50%	YES
u013	B5-1-B3	Bed	7.45	3.95	452	3.95	100%	100	50%	50%	YES
u014	A2_0-KDL	KDL	35.04	26.22	501	25.95	99%	200	50%	50%	YES
u014	A2_1_B1	Bed	12.19	8.11	648	8.11	100%	100	50%	50%	YES
u014	A2_1_B2	Bed	12.95	8.77	513	8.77	100%	100	50%	50%	YES
u015	B4-0-KDL	KDL	36.03	27.51	698	27.51	100%	200	50%	50%	YES
u015	B4-1-B1	Bed	15.1	10.74	510	10.74	100%	100	50%	50%	YES
u015	B4-1-B2	Bed	11.71	7.87	234	7.87	100%	100	50%	50%	YES
u015	B4-1-B3	Bed	8.51	4.85	422	4.85	100%	100	50%	50%	YES
u016	BC1.1-0-O	Office	4.62	2.29	1795	2.29	100%	150	50%	50%	YES
u016	C1.1-0-KD	KD	22.95	17.41	947	17.41	100%	200	50%	50%	YES
u016	C1.1-0-L	Live	16.42	11.9	426	11.9	100%	150	50%	50%	YES
u016	C1.1-1-B1	Bed	12.28	8.44	616	8.44	100%	100	50%	50%	YES
u016	C1.1-1-B2	Bed	11.58	7.82	851	7.82	100%	100	50%	50%	YES
u016	C1.1-1-B3	Bed	11.41	7.68	258	7.68	100%	100	50%	50%	YES
u016	C1.1-1-B4	Bed	8.13	5.01	569	5.01	100%	100	50%	50%	YES
u017	B4-0-KDL	KDL	36.03	27.51	606	27.51	100%	200	50%	50%	YES
u017	B4-1-B1	Bed	15.1	10.74	457	10.74	100%	100	50%	50%	YES
u017	B4-1-B2	Bed	11.71	7.87	238	7.87	100%	100	50%	50%	YES
u017	B4-1-B3	Bed	8.51	4.85	431	4.85	100%	100	50%	50%	YES
u018	B4-0-KDL	KDL	36.03	27.51	558	27.51	100%	200	50%	50%	YES
u018	B4-1-B1	Bed	15.1	10.74	458	10.74	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u018	B4-1-B2	Bed	11.71	7.87	238	7.87	100%	100	50%	50%	YES
u018	B4-1-B3	Bed	8.51	4.85	430	4.85	100%	100	50%	50%	YES
u019	B4-0-KDL	KDL	36.03	27.51	590	27.51	100%	200	50%	50%	YES
u019	B4-1-B1	Bed	15.1	10.74	448	10.74	100%	100	50%	50%	YES
u019	B4-1-B2	Bed	11.71	7.87	233	7.87	100%	100	50%	50%	YES
u019	B4-1-B3	Bed	8.51	4.85	418	4.85	100%	100	50%	50%	YES
u020	B4-0-KDL	KDL	36.03	27.51	564	27.51	100%	200	50%	50%	YES
u020	B4-1-B1	Bed	15.1	10.74	447	10.74	100%	100	50%	50%	YES
u020	B4-1-B2	Bed	11.71	7.87	236	7.87	100%	100	50%	50%	YES
u020	B4-1-B3	Bed	8.51	4.85	427	4.85	100%	100	50%	50%	YES
u021	B4-0-KDL	KDL	36.03	27.51	563	27.51	100%	200	50%	50%	YES
u021	B4-1-B1	Bed	15.1	10.74	434	10.74	100%	100	50%	50%	YES
u021	B4-1-B2	Bed	11.71	7.87	223	7.87	100%	100	50%	50%	YES
u021	B4-1-B3	Bed	8.51	4.85	400	4.85	100%	100	50%	50%	YES
u022	B4-0-KDL	KDL	36.03	27.51	538	27.51	100%	200	50%	50%	YES
u022	B4-1-B1	Bed	15.1	10.74	438	10.74	100%	100	50%	50%	YES
u022	B4-1-B2	Bed	11.71	7.87	220	7.87	100%	100	50%	50%	YES
u022	B4-1-B3	Bed	8.51	4.85	405	4.85	100%	100	50%	50%	YES
u023	BC1.1-0-O	Office	4.62	2.29	1315	2.29	100%	150	50%	50%	YES
u023	C1.1-0-KD	KD	22.95	17.41	656	17.41	100%	200	50%	50%	YES
u023	C1.1-0-L	Live	16.42	11.9	399	11.9	100%	150	50%	50%	YES
u023	C1.1-1-B1	Bed	12.28	8.44	556	8.44	100%	100	50%	50%	YES
u023	C1.1-1-B2	Bed	11.58	7.82	644	7.82	100%	100	50%	50%	YES
u023	C1.1-1-B3	Bed	11.41	7.68	240	7.68	100%	100	50%	50%	YES
u023	C1.1-1-B4	Bed	8.13	5.01	395	5.01	100%	100	50%	50%	YES
u024	B2-0-KD	KD	16.74	11.81	954	11.81	100%	200	50%	50%	YES
u024	B2-0-L	Live	17.4	12.74	413	12.74	100%	150	50%	50%	YES
u024	B2-1-B1	Bed	14.62	10.38	250	10.38	100%	100	50%	50%	YES
u024	B2-1-B2	Bed	11.29	7.33	871	7.33	100%	100	50%	50%	YES
u024	B2-1-B3	Bed	9.34	5.77	322	5.77	100%	100	50%	50%	YES
u025	B2-0-KD	KD	16.74	11.81	877	11.81	100%	200	50%	50%	YES
u025	B2-0-L	Live	17.4	12.74	417	12.74	100%	150	50%	50%	YES
u025	B2-1-B1	Bed	14.62	10.38	235	10.29	99%	100	50%	50%	YES
u025	B2-1-B2	Bed	11.29	7.33	797	7.33	100%	100	50%	50%	YES
u025	B2-1-B3	Bed	9.34	5.77	329	5.77	100%	100	50%	50%	YES
u026	B2-0-KD	KD	16.74	11.81	932	11.81	100%	200	50%	50%	YES
u026	B2-0-L	Live	17.4	12.74	409	12.74	100%	150	50%	50%	YES
u026	B2-1-B1	Bed	14.62	10.38	252	10.38	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u026	B2-1-B2	Bed	11.29	7.33	848	7.33	100%	100	50%	50%	YES
u026	B2-1-B3	Bed	9.34	5.77	321	5.77	100%	100	50%	50%	YES
u027	B2-0-KD	KD	16.74	11.81	875	11.81	100%	200	50%	50%	YES
u027	B2-0-L	Live	17.4	12.74	411	12.74	100%	150	50%	50%	YES
u027	B2-1-B1	Bed	14.62	10.38	235	10.29	99%	100	50%	50%	YES
u027	B2-1-B2	Bed	11.29	7.33	797	7.33	100%	100	50%	50%	YES
u027	B2-1-B3	Bed	9.34	5.77	324	5.77	100%	100	50%	50%	YES
u028	B2-0-KD	KD	16.74	11.81	937	11.81	100%	200	50%	50%	YES
u028	B2-0-L	Live	17.4	12.74	407	12.74	100%	150	50%	50%	YES
u028	B2-1-B1	Bed	14.62	10.38	253	10.38	100%	100	50%	50%	YES
u028	B2-1-B2	Bed	11.29	7.33	855	7.33	100%	100	50%	50%	YES
u028	B2-1-B3	Bed	9.34	5.77	317	5.77	100%	100	50%	50%	YES
u029	B2-0-KD	KD	16.74	11.81	878	11.81	100%	200	50%	50%	YES
u029	B2-0-L	Live	17.4	12.74	409	12.74	100%	150	50%	50%	YES
u029	B2-1-B1	Bed	14.62	10.38	233	10.29	99%	100	50%	50%	YES
u029	B2-1-B2	Bed	11.29	7.33	802	7.33	100%	100	50%	50%	YES
u029	B2-1-B3	Bed	9.34	5.77	315	5.77	100%	100	50%	50%	YES
u030	B2-0-KD	KD	16.74	11.81	933	11.81	100%	200	50%	50%	YES
u030	B2-0-L	Live	17.4	12.74	412	12.74	100%	150	50%	50%	YES
u030	B2-1-B1	Bed	14.62	10.38	253	10.38	100%	100	50%	50%	YES
u030	B2-1-B2	Bed	11.29	7.33	852	7.33	100%	100	50%	50%	YES
u030	B2-1-B3	Bed	9.34	5.77	318	5.77	100%	100	50%	50%	YES
u031	B2-0-KD	KD	16.74	11.81	880	11.81	100%	200	50%	50%	YES
u031	B2-0-L	Live	17.4	12.74	409	12.74	100%	150	50%	50%	YES
u031	B2-1-B1	Bed	14.62	10.38	234	10.29	99%	100	50%	50%	YES
u031	B2-1-B2	Bed	11.29	7.33	801	7.33	100%	100	50%	50%	YES
u031	B2-1-B3	Bed	9.34	5.77	325	5.77	100%	100	50%	50%	YES
u032	BC1.2-0-O	Office	4.62	2.29	1479	2.29	100%	150	50%	50%	YES
u032	C1.2-0-KD	KD	22.95	17.41	755	17.41	100%	200	50%	50%	YES
u032	C1.2-0-L	Live	16.42	11.9	491	11.9	100%	150	50%	50%	YES
u032	C1.2-1-B1	Bed	12.28	8.44	659	8.44	100%	100	50%	50%	YES
u032	C1.2-1-B2	Bed	11.58	7.82	253	7.82	100%	100	50%	50%	YES
u032	C1.2-1-B3	Bed	11.41	7.68	270	7.68	100%	100	50%	50%	YES
u032	C1.2-1-B4	Bed	8.13	5.01	454	5.01	100%	100	50%	50%	YES
u033	B3.1-0-KD	KD	14.88	10.06	976	10.06	100%	200	50%	50%	YES
u033	B3.1-0-L	Live	20.54	15.38	520	15.38	100%	150	50%	50%	YES
u033	B3.1-1-B1	Bed	12.76	8.57	174	8.29	97%	100	50%	50%	YES
u033	B3.1-1-B2	Bed	11.88	7.76	599	7.76	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u033	B3.1-1-B3	Bed	7.94	4.77	332	4.77	100%	100	50%	50%	YES
u034	B5-0-KDL	KDL	34.03	26.08	342	20.51	79%	200	50%	50%	YES
u034	B5-1-B1	Bed	11.76	7.75	628	7.75	100%	100	50%	50%	YES
u034	B5-1-B2	Bed	8.84	5.42	272	5.42	100%	100	50%	50%	YES
u034	B5-1-B3	Bed	7.45	3.95	418	3.95	100%	100	50%	50%	YES
u035	B5-0-KDL	KDL	34.03	26.08	339	20.6	79%	200	50%	50%	YES
u035	B5-1-B1	Bed	11.76	7.75	617	7.75	100%	100	50%	50%	YES
u035	B5-1-B2	Bed	8.84	5.42	262	5.42	100%	100	50%	50%	YES
u035	B5-1-B3	Bed	7.45	3.95	468	3.95	100%	100	50%	50%	YES
u036	B3.1-0-KD	KD	14.89	10.06	993	10.06	100%	200	50%	50%	YES
u036	B3.1-0-L	Live	20.54	15.38	400	15.38	100%	150	50%	50%	YES
u036	B3.1-1-B1	Bed	12.79	8.59	255	8.31	97%	100	50%	50%	YES
u036	B3.1-1-B2	Bed	11.88	7.76	543	7.76	100%	100	50%	50%	YES
u036	B3.1-1-B3	Bed	7.94	4.77	303	4.77	100%	100	50%	50%	YES
u037	B1.1-0-KD	KD	16.73	11.8	705	11.8	100%	200	50%	50%	YES
u037	B1.1-0-L	Live	22.54	17.2	387	17.2	100%	150	50%	50%	YES
u037	B1.1-0-B1	Bed	14.62	10.38	645	10.38	100%	100	50%	50%	YES
u037	B1.1-0-B2	Bed	11.29	7.33	582	7.33	100%	100	50%	50%	YES
u037	B1.1-0-B3	Bed	9.34	5.77	264	5.77	100%	100	50%	50%	YES
u038	B1.1-0-KD	KD	16.73	11.8	860	11.8	100%	200	50%	50%	YES
u038	B1.1-0-L	Live	22.54	17.2	461	17.2	100%	150	50%	50%	YES
u038	B1.1-0-B1	Bed	14.62	10.38	795	10.38	100%	100	50%	50%	YES
u038	B1.1-0-B2	Bed	11.29	7.33	737	7.33	100%	100	50%	50%	YES
u038	B1.1-0-B3	Bed	9.34	5.77	254	5.77	100%	100	50%	50%	YES
u039	B1.1-0-KD	KD	16.73	11.8	795	11.8	100%	200	50%	50%	YES
u039	B1.1-0-L	Live	22.54	17.2	400	17.2	100%	150	50%	50%	YES
u039	B1.1-0-B1	Bed	14.62	10.38	692	10.38	100%	100	50%	50%	YES
u039	B1.1-0-B2	Bed	11.29	7.33	578	7.33	100%	100	50%	50%	YES
u039	B1.1-0-B3	Bed	9.34	5.77	242	5.77	100%	100	50%	50%	YES
u040	A2_0_KDL	KDL	35.04	26.22	324	19.07	73%	200	50%	50%	YES
u040	A2_1_B1	Bed	12.19	8.11	545	8.11	100%	100	50%	50%	YES
u040	A2_1_B2	Bed	12.95	8.77	465	8.77	100%	100	50%	50%	YES
u041	A2_0_KDL	KDL	35.04	26.22	332	19.07	73%	200	50%	50%	YES
u041	A2_1_B1	Bed	12.19	8.11	560	8.11	100%	100	50%	50%	YES
u041	A2_1_B2	Bed	12.95	8.77	445	8.77	100%	100	50%	50%	YES
u042	B1.1-0-KD	KD	16.73	11.8	734	11.8	100%	200	50%	50%	YES
u042	B1.1-0-L	Live	22.54	17.2	385	17.2	100%	150	50%	50%	YES
u042	B1.1-0-B1	Bed	14.62	10.38	644	10.38	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u042	B1.1-0-B2	Bed	11.29	7.33	521	7.33	100%	100	50%	50%	YES
u042	B1.1-0-B3	Bed	9.34	5.77	268	5.77	100%	100	50%	50%	YES
u043	BC1.1-0-O	Office	4.62	2.29	1052	2.29	100%	150	50%	50%	YES
u043	C1.1-0-KD	KD	22.95	17.41	610	17.41	100%	200	50%	50%	YES
u043	C1.1-0-L	Live	16.42	11.9	444	11.9	100%	150	50%	50%	YES
u043	C1.1-1-B1	Bed	12.28	8.44	543	8.44	100%	100	50%	50%	YES
u043	C1.1-1-B2	Bed	11.58	7.82	583	7.82	100%	100	50%	50%	YES
u043	C1.1-1-B3	Bed	11.41	7.68	249	7.68	100%	100	50%	50%	YES
u043	C1.1-1-B4	Bed	8.13	5.01	278	5.01	100%	100	50%	50%	YES
u044	BC1.1-0-O	Office	4.62	2.29	957	2.29	100%	150	50%	50%	YES
u044	C1.1-0-KD	KD	22.95	17.41	704	17.41	100%	200	50%	50%	YES
u044	C1.1-0-L	Live	16.42	11.9	409	11.9	100%	150	50%	50%	YES
u044	C1.1-1-B1	Bed	12.28	8.44	630	8.44	100%	100	50%	50%	YES
u044	C1.1-1-B2	Bed	11.58	7.82	542	7.82	100%	100	50%	50%	YES
u044	C1.1-1-B3	Bed	11.41	7.68	239	7.68	100%	100	50%	50%	YES
u044	C1.1-1-B4	Bed	8.13	5.01	321	5.01	100%	100	50%	50%	YES
u045	B1.1-0-KD	KD	16.73	11.8	858	11.8	100%	200	50%	50%	YES
u045	B1.1-0-L	Live	22.54	17.2	358	17.2	100%	150	50%	50%	YES
u045	B1.1-0-B1	Bed	14.62	10.38	730	10.38	100%	100	50%	50%	YES
u045	B1.1-0-B2	Bed	11.29	7.33	549	7.33	100%	100	50%	50%	YES
u045	B1.1-0-B3	Bed	9.34	5.77	265	5.77	100%	100	50%	50%	YES
u046	A2_0_KDL	KDL	35.04	26.22	352	19.95	76%	200	50%	50%	YES
u046	A2_1_B1	Bed	12.19	8.11	532	8.11	100%	100	50%	50%	YES
u046	A2_1_B2	Bed	12.95	8.77	521	8.77	100%	100	50%	50%	YES
u047	A2_0_KDL	KDL	35.04	26.22	361	20.13	77%	200	50%	50%	YES
u047	A2_1_B1	Bed	12.19	8.11	539	8.11	100%	100	50%	50%	YES
u047	A2_1_B2	Bed	12.95	8.77	547	8.77	100%	100	50%	50%	YES
u048	B1.1-0-KD	KD	16.73	11.8	855	11.8	100%	200	50%	50%	YES
u048	B1.1-0-L	Live	22.54	17.2	403	17.2	100%	150	50%	50%	YES
u048	B1.1-0-B1	Bed	14.62	10.38	761	10.38	100%	100	50%	50%	YES
u048	B1.1-0-B2	Bed	11.29	7.33	560	7.33	100%	100	50%	50%	YES
u048	B1.1-0-B3	Bed	9.34	5.77	262	5.77	100%	100	50%	50%	YES
u049	B1.1-0-KD	KD	16.73	11.8	803	11.8	100%	200	50%	50%	YES
u049	B1.1-0-L	Live	22.54	17.2	409	17.2	100%	150	50%	50%	YES
u049	B1.1-0-B1	Bed	14.62	10.38	758	10.38	100%	100	50%	50%	YES
u049	B1.1-0-B2	Bed	11.29	7.33	629	7.33	100%	100	50%	50%	YES
u049	B1.1-0-B3	Bed	9.34	5.77	267	5.77	100%	100	50%	50%	YES
u050	B1.1-0-KD	KD	16.73	11.8	774	11.8	100%	200	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u050	B1.1-0-L	Live	22.54	17.2	396	17.2	100%	150	50%	50%	YES
u050	B1.1-0-B1	Bed	14.62	10.38	700	10.38	100%	100	50%	50%	YES
u050	B1.1-0-B2	Bed	11.29	7.33	552	7.33	100%	100	50%	50%	YES
u050	B1.1-0-B3	Bed	9.34	5.77	261	5.77	100%	100	50%	50%	YES
u051	B3.1-0-KD	KD	14.89	10.06	966	10.06	100%	200	50%	50%	YES
u051	B3.1-0-L	Live	20.54	15.38	447	15.38	100%	150	50%	50%	YES
u051	B3.1-1-B1	Bed	12.79	8.59	237	8.22	96%	100	50%	50%	YES
u051	B3.1-1-B2	Bed	11.88	7.76	661	7.76	100%	100	50%	50%	YES
u051	B3.1-1-B3	Bed	7.94	4.77	331	4.77	100%	100	50%	50%	YES
u052	B5-0-KDL	KDL	34.03	26.08	336	19.43	74%	200	50%	50%	YES
u052	B5-1-B1	Bed	11.76	7.75	577	7.75	100%	100	50%	50%	YES
u052	B5-1-B2	Bed	8.84	5.42	287	5.42	100%	100	50%	50%	YES
u052	B5-1-B3	Bed	7.45	3.95	440	3.95	100%	100	50%	50%	YES
u053	B5-0-KDL	KDL	34.03	26.08	336	19.43	74%	200	50%	50%	YES
u053	B5-1-B1	Bed	11.76	7.75	569	7.75	100%	100	50%	50%	YES
u053	B5-1-B2	Bed	8.84	5.42	295	5.42	100%	100	50%	50%	YES
u053	B5-1-B3	Bed	7.45	3.95	543	3.95	100%	100	50%	50%	YES
u054	B3.1-0-KD	KD	14.88	10.06	1052	10.06	100%	200	50%	50%	YES
u054	B3.1-0-L	Live	20.54	15.38	492	15.38	100%	150	50%	50%	YES
u054	B3.1-1-B1	Bed	12.76	8.57	176	8.1	95%	100	50%	50%	YES
u054	B3.1-1-B2	Bed	11.88	7.76	597	7.76	100%	100	50%	50%	YES
u054	B3.1-1-B3	Bed	7.94	4.77	313	4.77	100%	100	50%	50%	YES
u055	B3.1-0-KD	KD	14.88	10.06	984	10.06	100%	200	50%	50%	YES
u055	B3.1-0-L	Live	20.54	15.38	503	15.38	100%	150	50%	50%	YES
u055	B3.1-1-B1	Bed	12.76	8.57	174	8.29	97%	100	50%	50%	YES
u055	B3.1-1-B2	Bed	11.88	7.76	601	7.76	100%	100	50%	50%	YES
u055	B3.1-1-B3	Bed	7.94	4.77	329	4.77	100%	100	50%	50%	YES
u056	B5-0-KDL	KDL	34.03	26.08	307	18.08	69%	200	50%	50%	YES
u056	B5-1-B1	Bed	11.76	7.75	620	7.75	100%	100	50%	50%	YES
u056	B5-1-B2	Bed	8.84	5.42	267	5.42	100%	100	50%	50%	YES
u056	B5-1-B3	Bed	7.45	3.95	417	3.95	100%	100	50%	50%	YES
u057	B5-0-KDL	KDL	34.03	26.08	297	17.81	68%	200	50%	50%	YES
u057	B5-1-B1	Bed	11.76	7.75	595	7.75	100%	100	50%	50%	YES
u057	B5-1-B2	Bed	8.84	5.42	259	5.42	100%	100	50%	50%	YES
u057	B5-1-B3	Bed	7.45	3.95	465	3.95	100%	100	50%	50%	YES
u058	B3.1-0-KD	KD	14.89	10.06	1001	10.06	100%	200	50%	50%	YES
u058	B3.1-0-L	Live	20.54	15.38	399	15.38	100%	150	50%	50%	YES
u058	B3.1-1-B1	Bed	12.79	8.59	248	8.31	97%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u058	B3.1-1-B2	Bed	11.88	7.76	565	7.76	100%	100	50%	50%	YES
u058	B3.1-1-B3	Bed	7.94	4.77	305	4.77	100%	100	50%	50%	YES
u059	B1.1-0-KD	KD	16.73	11.8	718	11.8	100%	200	50%	50%	YES
u059	B1.1-0-L	Live	22.54	17.2	417	17.2	100%	150	50%	50%	YES
u059	B1.1-0-B1	Bed	14.62	10.38	645	10.38	100%	100	50%	50%	YES
u059	B1.1-0-B2	Bed	11.29	7.33	603	7.33	100%	100	50%	50%	YES
u059	B1.1-0-B3	Bed	9.34	5.77	277	5.77	100%	100	50%	50%	YES
u060	B1.1-0-KD	KD	16.73	11.8	783	11.8	100%	200	50%	50%	YES
u060	B1.1-0-L	Live	22.54	17.2	432	17.2	100%	150	50%	50%	YES
u060	B1.1-0-B1	Bed	14.62	10.38	768	10.38	100%	100	50%	50%	YES
u060	B1.1-0-B2	Bed	11.29	7.33	683	7.33	100%	100	50%	50%	YES
u060	B1.1-0-B3	Bed	9.34	5.77	279	5.77	100%	100	50%	50%	YES
u061	B1.1-0-KD	KD	16.73	11.8	801	11.8	100%	200	50%	50%	YES
u061	B1.1-0-L	Live	22.54	17.2	400	17.2	100%	150	50%	50%	YES
u061	B1.1-0-B1	Bed	14.62	10.38	664	10.38	100%	100	50%	50%	YES
u061	B1.1-0-B2	Bed	11.29	7.33	602	7.33	100%	100	50%	50%	YES
u061	B1.1-0-B3	Bed	9.34	5.77	256	5.77	100%	100	50%	50%	YES
u062	A2_0_KDL	KDL	35.04	26.22	321	19.51	74%	200	50%	50%	YES
u062	A2_1_B1	Bed	12.19	8.11	561	8.11	100%	100	50%	50%	YES
u062	A2_1_B2	Bed	12.95	8.77	490	8.77	100%	100	50%	50%	YES
u063	A2_0_KDL	KDL	35.04	26.22	320	18.89	72%	200	50%	50%	YES
u063	A2_1_B1	Bed	12.19	8.11	571	8.11	100%	100	50%	50%	YES
u063	A2_1_B2	Bed	12.95	8.77	474	8.77	100%	100	50%	50%	YES
u064	B1.1-0-KD	KD	16.73	11.8	781	11.8	100%	200	50%	50%	YES
u064	B1.1-0-L	Live	22.54	17.2	380	17.2	100%	150	50%	50%	YES
u064	B1.1-0-B1	Bed	14.62	10.38	663	10.38	100%	100	50%	50%	YES
u064	B1.1-0-B2	Bed	11.29	7.33	527	7.33	100%	100	50%	50%	YES
u064	B1.1-0-B3	Bed	9.34	5.77	266	5.77	100%	100	50%	50%	YES
u065	BC1.1-0-O	Office	4.62	2.29	1050	2.29	100%	150	50%	50%	YES
u065	C1.1-0-KD	KD	22.95	17.41	623	17.41	100%	200	50%	50%	YES
u065	C1.1-0-L	Live	16.42	11.9	442	11.9	100%	150	50%	50%	YES
u065	C1.1-1-B1	Bed	12.28	8.44	551	8.44	100%	100	50%	50%	YES
u065	C1.1-1-B2	Bed	11.58	7.82	587	7.82	100%	100	50%	50%	YES
u065	C1.1-1-B3	Bed	11.41	7.68	253	7.68	100%	100	50%	50%	YES
u065	C1.1-1-B4	Bed	8.13	5.01	280	5.01	100%	100	50%	50%	YES
u066	B1.1-0-KD	KD	16.73	11.8	697	11.8	100%	200	50%	50%	YES
u066	B1.1-0-L	Live	22.54	17.2	434	17.2	100%	150	50%	50%	YES
u066	B1.1-0-B1	Bed	14.62	10.38	406	10.38	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u066	B1.1-0-B2	Bed	11.29	7.33	682	7.33	100%	100	50%	50%	YES
u066	B1.1-0-B3	Bed	9.34	5.77	236	5.77	100%	100	50%	50%	YES
u067	B1.1-0-KD	KD	16.73	11.8	725	11.8	100%	200	50%	50%	YES
u067	B1.1-0-L	Live	22.54	17.2	379	17.2	100%	150	50%	50%	YES
u067	B1.1-0-B1	Bed	14.62	10.38	386	10.38	100%	100	50%	50%	YES
u067	B1.1-0-B2	Bed	11.29	7.33	592	7.33	100%	100	50%	50%	YES
u067	B1.1-0-B3	Bed	9.34	5.77	244	5.77	100%	100	50%	50%	YES
u068	B3.1-0-KD	KD	14.89	10.06	899	10.06	100%	200	50%	50%	YES
u068	B3.1-0-L	Live	20.54	15.38	429	15.38	100%	150	50%	50%	YES
u068	B3.1-1-B1	Bed	12.79	8.59	240	8.22	96%	100	50%	50%	YES
u068	B3.1-1-B2	Bed	11.88	7.76	616	7.76	100%	100	50%	50%	YES
u068	B3.1-1-B3	Bed	7.94	4.77	331	4.77	100%	100	50%	50%	YES
u069	B5-0-KDL	KDL	34.03	26.08	349	21.05	81%	200	50%	50%	YES
u069	B5-1-B1	Bed	11.76	7.75	581	7.75	100%	100	50%	50%	YES
u069	B5-1-B2	Bed	8.84	5.42	287	5.42	100%	100	50%	50%	YES
u069	B5-1-B3	Bed	7.45	3.95	443	3.95	100%	100	50%	50%	YES
u070	B5-0-KDL	KDL	34.03	26.08	356	20.87	80%	200	50%	50%	YES
u070	B5-1-B1	Bed	11.76	7.75	574	7.75	100%	100	50%	50%	YES
u070	B5-1-B2	Bed	8.84	5.42	294	5.42	100%	100	50%	50%	YES
u070	B5-1-B3	Bed	7.45	3.95	536	3.95	100%	100	50%	50%	YES
u071	B3.1-0-KD	KD	14.88	10.06	1012	10.06	100%	200	50%	50%	YES
u071	B3.1-0-L	Live	20.54	15.38	506	15.38	100%	150	50%	50%	YES
u072	B6.1-0-KDL	KDL	37.33	28.19	634	28.19	100%	200	50%	50%	YES
u072	B6.1-1-B1	Bed	14.92	10.63	471	10.63	100%	100	50%	50%	YES
u072	B6.1-1-B2	Bed	11.51	7.72	644	7.72	100%	100	50%	50%	YES
u072	B6.1-1-B3	Bed	8.17	4.77	352	4.77	100%	100	50%	50%	YES
u073	B6.2-0-KDL	KDL	37.33	28.19	564	28.19	100%	200	50%	50%	YES
u073	B6.2-1-B2	Bed	11.51	7.72	247	7.72	100%	100	50%	50%	YES
u073	B6.2-1-B3	Bed	8.17	4.77	343	4.77	100%	100	50%	50%	YES
u074	B6.2-0-KDL	KDL	37.33	28.19	536	28.19	100%	200	50%	50%	YES
u074	B6.2-1-B1	Bed	14.92	10.63	368	10.63	100%	100	50%	50%	YES
u074	B6.2-1-B2	Bed	11.51	7.72	258	7.72	100%	100	50%	50%	YES
u074	B6.2-1-B3	Bed	8.17	4.77	346	4.77	100%	100	50%	50%	YES
u075	B6.2-0-KDL	KDL	37.33	28.19	483	28.19	100%	200	50%	50%	YES
u075	B6.2-1-B1	Bed	14.92	10.63	378	10.63	100%	100	50%	50%	YES
u075	B6.2-1-B2	Bed	11.51	7.72	248	7.72	100%	100	50%	50%	YES
u075	B6.2-1-B3	Bed	8.17	4.77	341	4.77	100%	100	50%	50%	YES
u076	C2-0-KD	KD	28.41	22.24	197	11.02	50%	200	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u076	C2-0-L	Live	16.91	12.33	356	12.33	100%	150	50%	50%	YES
u076	C2-1-B1	Bed	15.57	10.4	158	7.15	69%	100	50%	50%	YES
u076	C2-1-B2	Bed	11.58	7.84	267	7.84	100%	100	50%	50%	YES
u076	C2-1-B3	Bed	11.34	7.22	212	6.97	97%	100	50%	50%	YES
u076	C2-1-B4	Bed	7.24	4.35	411	4.35	100%	100	50%	50%	YES
u077	AptsA_0_B1	Bed	12.52	8.63	146	8.2	95%	100	50%	50%	YES
u077	AptsA_0_KDL	KDL	23.35	17.81	245	10.91	61%	200	50%	50%	YES
u078	AptsA_1_KDL	KDL	37.86	29.38	865	29.38	100%	200	50%	50%	YES
u078	AptsA_2_B1	Bed	13.79	9.6	1364	9.6	100%	100	50%	50%	YES
u078	AptsA_2_B2	Bed	13.57	9.5	691	9.5	100%	100	50%	50%	YES
u079	AptsA_0_B1	Bed	12.52	8.63	163	7.68	89%	100	50%	50%	YES
u079	AptsA_0_KDL	KDL	23.35	17.81	245	11.26	63%	200	50%	50%	YES
u080	AptsA_1_KDL	KDL	37.86	29.38	531	29.38	100%	200	50%	50%	YES
u080	AptsA_2_B1	Bed	13.79	9.6	710	9.6	100%	100	50%	50%	YES
u080	AptsA_2_B2	Bed	13.57	9.5	268	9.5	100%	100	50%	50%	YES
u081	AptsA_0_B5	Bed	12.52	8.63	169	7.43	86%	100	50%	50%	YES
u081	AptsA_0_B6	KDL	23.35	17.81	233	10.48	59%	200	50%	50%	YES
u082	AptsA_0_B4	KDL	37.86	29.38	534	29.38	100%	200	50%	50%	YES
u082	AptsA_2_B1	Bed	13.79	9.6	715	9.6	100%	100	50%	50%	YES
u082	AptsA_2_B2	Bed	13.57	9.5	263	9.5	100%	100	50%	50%	YES
u083	AptsA_0_B10	Bed	12.52	8.63	161	6.74	78%	100	50%	50%	YES
u083	AptsA_0_B11	KDL	23.35	17.81	222	10.39	58%	200	50%	50%	YES
u084	AptsA_0_B9	KDL	37.86	29.38	530	29.38	100%	200	50%	50%	YES
u085	AptsA_0_B15	Bed	12.52	8.63	159	8.12	94%	100	50%	50%	YES
u085	AptsA_0_B16	KDL	23.35	17.81	189	8.56	48%	200	50%	50%	NO
u086	AptsA_0_B14	KDL	37.86	29.38	503	29.38	100%	200	50%	50%	YES
u086	AptsA_1_B1	Bed	13.79	9.6	714	9.6	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u087	u087-AptsA_0_B1	Bed	12.52	8.63	172	8.29	96%	100	50%	50%	YES
u087	u087-AptsA_0_KDL	KDL	23.35	17.81	204	9.08	51%	200	50%	50%	YES
u088	u088-AptsA_1_KDL	KDL	37.86	29.38	796	29.38	100%	200	50%	50%	YES
u089	u089-AptsA_0_B1	Bed	12.52	8.63	222	8.46	98%	100	50%	50%	YES
u089	u089-AptsA_0_KDL	KDL	23.35	17.81	197	8.64	49%	200	50%	50%	NO
u090	u090-AptsA_2_B1	Bed	13.79	9.6	1007	9.6	100%	100	50%	50%	YES
u090	u090-AptsA_2_B2	Bed	13.57	9.5	632	9.5	100%	100	50%	50%	YES
u091	u091-AptsA_0_B1	Bed	12.49	8.61	222	8.35	97%	100	50%	50%	YES
u091	u091-AptsA_0_KDL	KDL	23.32	17.78	185	7.41	42%	200	50%	50%	NO
u092	u092-AptsA_2_B1	Bed	13.76	9.57	617	9.57	100%	100	50%	50%	YES
u092	u092-AptsA_2_B2	Bed	13.54	9.48	298	9.48	100%	100	50%	50%	YES
u093	u093-AptsA_0_B15	Bed	12.49	8.61	218	8.35	97%	100	50%	50%	YES
u093	u093-AptsA_0_B16	KDL	23.32	17.78	190	8.02	45%	200	50%	50%	NO
u094	u094-AptsA_0_B12	Bed	13.54	9.48	300	9.48	100%	100	50%	50%	YES
u094	u094-AptsA_0_B13	Bed	13.76	9.57	617	9.57	100%	100	50%	50%	YES
u095	u095-AptsA_0_B1	Bed	12.52	8.63	241	8.55	99%	100	50%	50%	YES
u095	u095-AptsA_0_KDL	KDL	23.35	17.81	179	7.42	42%	200	50%	50%	NO
u096	u096-AptsA_2_B1	Bed	13.79	9.6	1278	9.6	100%	100	50%	50%	YES
u096	u096-AptsA_2_B2	Bed	13.57	9.5	795	9.5	100%	100	50%	50%	YES
u098	B6.1-0-KDL	KDL	37.33	28.19	632	28.19	100%	200	50%	50%	YES
u098	B6.1-1-B1	Bed	14.92	10.63	467	10.63	100%	100	50%	50%	YES
u098	B6.1-1-B2	Bed	11.51	7.72	680	7.72	100%	100	50%	50%	YES
u098	B6.1-1-B3	Bed	8.17	4.77	383	4.77	100%	100	50%	50%	YES
u099	B6.2-0-KDL	KDL	37.33	28.19	608	28.19	100%	200	50%	50%	YES
u099	B6.2-1-B1	Bed	14.92	10.63	370	10.63	100%	100	50%	50%	YES
u099	B6.2-1-B2	Bed	11.51	7.72	279	7.72	100%	100	50%	50%	YES
u099	B6.2-1-B3	Bed	8.17	4.77	389	4.77	100%	100	50%	50%	YES
u100	B6.2-0-KDL	KDL	37.33	28.19	563	28.19	100%	200	50%	50%	YES
u100	B6.2-1-B1	Bed	14.92	10.63	362	10.63	100%	100	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u100	B6.2-1-B2	Bed	11.51	7.72	277	7.72	100%	100	50%	50%	YES
u100	B6.2-1-B3	Bed	8.17	4.77	382	4.77	100%	100	50%	50%	YES
u101	B6.2-0-KDL	KDL	37.33	28.19	595	28.19	100%	200	50%	50%	YES
u101	B6.2-1-B1	Bed	14.92	10.63	368	10.63	100%	100	50%	50%	YES
u101	B6.2-1-B2	Bed	11.51	7.72	274	7.72	100%	100	50%	50%	YES
u101	B6.2-1-B3	Bed	8.17	4.77	389	4.77	100%	100	50%	50%	YES
u102	C2-0-KD	KD	28.41	22.24	208	11.49	52%	200	50%	50%	YES
u102	C2-0-L	Live	16.91	12.33	407	12.33	100%	150	50%	50%	YES
u102	C2-1-B1	Bed	15.57	10.4	157	7.33	71%	100	50%	50%	YES
u102	C2-1-B2	Bed	11.58	7.84	269	7.84	100%	100	50%	50%	YES
u102	C2-1-B3	Bed	11.34	7.22	249	7.14	99%	100	50%	50%	YES
u103	BC1.1-0-O	Office	4.62	2.29	1634	2.29	100%	150	50%	50%	YES
u104	B3.1-0-KD	KD	14.88	10.06	1076	10.06	100%	200	50%	50%	YES
u104	B3.1-0-L	Live	20.54	15.38	519	15.38	100%	150	50%	50%	YES
u104	B3.1-1-B1	Bed	12.76	8.57	177	8.1	95%	100	50%	50%	YES
u104	B3.1-1-B2	Bed	11.88	7.76	602	7.76	100%	100	50%	50%	YES
u105	B5-1-B2	Bed	8.84	5.42	286	5.42	100%	100	50%	50%	YES
u106	B5-0-KDL	KDL	34.03	26.08	339	21.85	84%	200	50%	50%	YES
u106	B5-1-B1	Bed	11.76	7.75	620	7.75	100%	100	50%	50%	YES
u106	B5-1-B2	Bed	8.84	5.42	281	5.42	100%	100	50%	50%	YES
u106	B5-1-B3	Bed	7.45	3.95	495	3.95	100%	100	50%	50%	YES
u107	B4-0-KDL	KDL	36.03	27.51	527	27.51	100%	200	50%	50%	YES
u107	B4-1-B1	Bed	15.1	10.74	430	10.74	100%	100	50%	50%	YES
u107	B4-1-B2	Bed	11.71	7.87	198	7.87	100%	100	50%	50%	YES
u107	B4-1-B3	Bed	8.51	4.85	378	4.85	100%	100	50%	50%	YES
u108	B4-0-KDL	KDL	36.03	27.51	523	27.51	100%	200	50%	50%	YES
u108	B4-1-B1	Bed	15.1	10.74	444	10.74	100%	100	50%	50%	YES
u108	B4-1-B2	Bed	11.71	7.87	223	7.87	100%	100	50%	50%	YES
u108	B4-1-B3	Bed	8.51	4.85	393	4.85	100%	100	50%	50%	YES
u109	B5-0-KDL	KDL	34.03	26.08	359	24.73	95%	200	50%	50%	YES
u109	B5-1-B1	Bed	11.76	7.75	629	7.75	100%	100	50%	50%	YES
u109	B5-1-B2	Bed	8.84	5.42	289	5.42	100%	100	50%	50%	YES
u109	B5-1-B3	Bed	7.45	3.95	435	3.95	100%	100	50%	50%	YES
u110	B5-0-KDL	KDL	34.03	26.08	360	23.92	92%	200	50%	50%	YES
u110	B5-1-B1	Bed	11.76	7.75	619	7.75	100%	100	50%	50%	YES
u110	B5-1-B2	Bed	8.84	5.42	288	5.42	100%	100	50%	50%	YES
u110	B5-1-B3	Bed	7.45	3.95	500	3.95	100%	100	50%	50%	YES
u111	B3.1-0-KD	KD	14.88	10.06	945	10.06	100%	200	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u111	B3.1-0-L	Live	20.54	15.38	467	15.38	100%	150	50%	50%	YES
u111	B3.1-1-B1	Bed	12.76	8.57	123	5.59	65%	100	50%	50%	YES
u111	B3.1-1-B2	Bed	11.88	7.76	583	7.76	100%	100	50%	50%	YES
u111	B3.1-1-B3	Bed	7.94	4.77	326	4.77	100%	100	50%	50%	YES
u112	AptsA_0_KDL u112-	KDL	23.35	17.81	158	5.94	33%	200	50%	50%	NO
u112	AptsA_2_B1 u113-	Bed	12.53	8.64	157	8.3	96%	100	50%	50%	YES
u113	AptsA_1_KDL u113-	KDL	37.86	29.38	391	29.38	100%	200	50%	50%	YES
u113	AptsA_2_B1 u113-	Bed	13.79	9.6	502	9.6	100%	100	50%	50%	YES
u113	AptsA_2_B2 u114-	Bed	13.57	9.5	920	9.5	100%	100	50%	50%	YES
u114	AptsA_0_B1 u114-	Bed	12.52	8.63	144	7.86	91%	100	50%	50%	YES
u114	AptsA_0_KDL u115-	KDL	23.35	17.81	139	4.63	26%	200	50%	50%	NO
u115	AptsA_1_KDL u115-	KDL	37.86	29.38	419	29.38	100%	200	50%	50%	YES
u115	AptsA_2_B1 u115-	Bed	13.79	9.6	498	9.6	100%	100	50%	50%	YES
u115	AptsA_2_B2 u116-	Bed	13.57	9.5	397	9.5	100%	100	50%	50%	YES
u116	AptsA_0_B1 u116-	Bed	12.52	8.63	263	8.55	99%	100	50%	50%	YES
u116	AptsA_0_KDL u117-	KDL	23.35	17.81	143	5.15	29%	200	50%	50%	NO
u117	AptsA_1_KDL u117-	KDL	37.86	29.38	722	29.38	100%	200	50%	50%	YES
u117	AptsA_2_B1 u117-	Bed	13.79	9.6	900	9.6	100%	100	50%	50%	YES
u117	AptsA_2_B2	Bed	13.57	9.5	802	9.5	100%	100	50%	50%	YES
u118	B4-1-B1	Bed	15.1	10.74	533	10.74	100%	100	50%	50%	YES
u118	B4-1-B2	Bed	11.71	7.87	233	7.87	100%	100	50%	50%	YES
u119	A1_0_KD	KD	13.03	8.56	555	8.56	100%	200	50%	50%	YES
u119	A1_1_B1	Bed	8.38	5.12	746	5.12	100%	100	50%	50%	YES
u119	A1_1_B2	Bed	12.61	8.64	631	8.64	100%	100	50%	50%	YES
u120	A1_0_KD	KD	13.03	8.56	529	8.56	100%	200	50%	50%	YES
u120	A1_1_B1	Bed	8.38	5.12	766	5.12	100%	100	50%	50%	YES
u120	A1_1_B2	Bed	12.61	8.64	610	8.64	100%	100	50%	50%	YES
u121	B4-0-KDL	KDL	36.03	27.51	734	27.51	100%	200	50%	50%	YES
u122	B4-0-KDL	KDL	36.03	27.51	686	27.51	100%	200	50%	50%	YES
u122	B4-1-B3	Bed	8.51	4.85	402	4.85	100%	100	50%	50%	YES
u123	A1_0_L	Live	13.89	9.78	174	6.49	66%	150	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u124	A1_0_L	Live	13.89	9.78	173	6.31	65%	150	50%	50%	YES
u125	B4-1-B1	Bed	15.1	10.74	518	10.74	100%	100	50%	50%	YES
u125	B4-1-B2	Bed	11.71	7.87	211	7.87	100%	100	50%	50%	YES
u125	B4-1-B3	Bed	8.51	4.85	387	4.85	100%	100	50%	50%	YES
u126	A2_1_B1	Bed	10.1	6.51	1034	6.51	100%	100	50%	50%	YES
u126	A3_0_KDL	KDL	30.23	23.98	645	23.98	100%	200	50%	50%	YES
u127	A2_1_B1	Bed	10.1	6.51	1032	6.51	100%	100	50%	50%	YES
u127	A2_1_B2	Bed	17.37	12.57	267	12.57	100%	100	50%	50%	YES
u127	A3_0_KDL	KDL	30.23	23.98	657	23.98	100%	200	50%	50%	YES
u128	B4-0-KDL	KDL	36.03	27.51	589	27.51	100%	200	50%	50%	YES
u128	B4-1-B1	Bed	15.1	10.74	423	10.74	100%	100	50%	50%	YES
u128	B4-1-B2	Bed	11.71	7.87	258	7.87	100%	100	50%	50%	YES
u128	B4-1-B3	Bed	8.51	4.85	461	4.85	100%	100	50%	50%	YES
u129	B5-0-KDL	KDL	34.03	26.08	357	22.84	88%	200	50%	50%	YES
u129	B5-1-B1	Bed	11.76	7.75	574	7.75	100%	100	50%	50%	YES
u129	B5-1-B2	Bed	8.84	5.42	326	5.42	100%	100	50%	50%	YES
u129	B5-1-B3	Bed	7.45	3.95	500	3.95	100%	100	50%	50%	YES
u130	B5-0-KDL	KDL	34.03	26.08	353	23.11	89%	200	50%	50%	YES
u130	B5-1-B1	Bed	11.76	7.75	560	7.75	100%	100	50%	50%	YES
u130	B5-1-B2	Bed	8.84	5.42	335	5.42	100%	100	50%	50%	YES
u130	B5-1-B3	Bed	7.45	3.95	582	3.95	100%	100	50%	50%	YES
u131	B5-0-KDL	KDL	34.03	26.08	359	24.28	93%	200	50%	50%	YES
u131	B5-1-B1	Bed	11.76	7.75	577	7.75	100%	100	50%	50%	YES
u131	B5-1-B2	Bed	8.84	5.42	322	5.42	100%	100	50%	50%	YES
u131	B5-1-B3	Bed	7.45	3.95	490	3.95	100%	100	50%	50%	YES
u132	B4-0-KDL	KDL	36.03	27.51	558	27.51	100%	200	50%	50%	YES
u132	B4-1-B1	Bed	15.1	10.74	422	10.74	100%	100	50%	50%	YES
u132	B4-1-B2	Bed	11.71	7.87	247	7.87	100%	100	50%	50%	YES
u132	B4-1-B3	Bed	8.51	4.85	448	4.85	100%	100	50%	50%	YES
u133	BC1.2-0-O	Office	4.62	2.29	1248	2.29	100%	150	50%	50%	YES
u133	C1.2-0-KD	KD	22.95	17.41	675	17.41	100%	200	50%	50%	YES
u133	C1.2-0-L	Live	16.42	11.9	421	11.9	100%	150	50%	50%	YES
u133	C1.2-1-B1	Bed	12.28	8.44	722	8.44	100%	100	50%	50%	YES
u133	C1.2-1-B2	Bed	11.58	7.82	211	7.82	100%	100	50%	50%	YES
u133	C1.2-1-B3	Bed	11.41	7.68	249	7.68	100%	100	50%	50%	YES
u133	C1.2-1-B4	Bed	8.13	5.01	395	5.01	100%	100	50%	50%	YES
u134	BC1.2-0-O	Office	4.62	2.29	1619	2.29	100%	150	50%	50%	YES
u134	C1.2-0-KD	KD	22.95	17.41	672	17.41	100%	200	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u134	C1.2-0-L	Live	16.42	11.9	438	11.9	100%	150	50%	50%	YES
u134	C1.2-1-B1	Bed	12.28	8.44	534	8.44	100%	100	50%	50%	YES
u134	C1.2-1-B3	Bed	11.41	7.68	242	7.68	100%	100	50%	50%	YES
u134	C1.2-1-B4	Bed	8.13	5.01	548	5.01	100%	100	50%	50%	YES
u135	B4-0-KDL	KDL	36.03	27.51	570	27.51	100%	200	50%	50%	YES
u135	B4-1-B1	Bed	15.1	10.74	408	10.74	100%	100	50%	50%	YES
u135	B4-1-B2	Bed	11.71	7.87	231	7.87	100%	100	50%	50%	YES
u135	B4-1-B3	Bed	8.51	4.85	417	4.85	100%	100	50%	50%	YES
u135	C1.2-1-B2	Bed	11.58	7.82	240	7.82	100%	100	50%	50%	YES
u136	B5-0-KDL	KDL	34.03	26.08	363	22.57	87%	200	50%	50%	YES
u136	B5-1-B1	Bed	11.76	7.75	555	7.75	100%	100	50%	50%	YES
u136	B5-1-B2	Bed	8.84	5.42	307	5.42	100%	100	50%	50%	YES
u136	B5-1-B3	Bed	7.45	3.95	552	3.95	100%	100	50%	50%	YES
u137	B5-0-KDL	KDL	34.03	26.08	347	20.69	79%	200	50%	50%	YES
u137	B5-1-B1	Bed	11.76	7.75	566	7.75	100%	100	50%	50%	YES
u137	B5-1-B2	Bed	8.84	5.42	305	5.42	100%	100	50%	50%	YES
u137	B5-1-B3	Bed	7.45	3.95	474	3.95	100%	100	50%	50%	YES
u138	B5-0-KDL	KDL	34.03	26.08	347	20.33	78%	200	50%	50%	YES
u138	B5-1-B1	Bed	11.76	7.75	572	7.75	100%	100	50%	50%	YES
u138	B5-1-B2	Bed	8.84	5.42	306	5.42	100%	100	50%	50%	YES
u138	B5-1-B3	Bed	7.45	3.95	557	3.95	100%	100	50%	50%	YES
u139	B5-0-KDL	KDL	34.03	26.08	357	21.67	83%	200	50%	50%	YES
u139	B5-1-B1	Bed	11.76	7.75	583	7.75	100%	100	50%	50%	YES
u139	B5-1-B2	Bed	8.84	5.42	311	5.42	100%	100	50%	50%	YES
u139	B5-1-B3	Bed	7.45	3.95	473	3.95	100%	100	50%	50%	YES
u140	B3.1-0-KD	KD	14.88	10.06	1022	10.06	100%	200	50%	50%	YES
u140	B3.1-0-L	Live	20.54	15.38	545	15.38	100%	150	50%	50%	YES
u140	B3.1-1-B1	Bed	12.76	8.57	179	8.29	97%	100	50%	50%	YES
u140	B3.1-1-B2	Bed	11.88	7.76	617	7.76	100%	100	50%	50%	YES
u140	B3.1-1-B3	Bed	7.94	4.77	355	4.77	100%	100	50%	50%	YES
u141	BC1.2-0-O	Office	4.62	2.29	1823	2.29	100%	150	50%	50%	YES
u141	C1.2-0-KD	KD	22.95	17.41	752	17.41	100%	200	50%	50%	YES
u141	C1.2-0-L	Live	16.42	11.9	548	11.9	100%	150	50%	50%	YES
u141	C1.2-1-B1	Bed	12.28	8.44	601	8.44	100%	100	50%	50%	YES
u141	C1.2-1-B2	Bed	11.58	7.82	278	7.82	100%	100	50%	50%	YES
u141	C1.2-1-B3	Bed	11.41	7.68	304	7.68	100%	100	50%	50%	YES
u141	C1.2-1-B4	Bed	8.13	5.01	492	5.01	100%	100	50%	50%	YES
u142	B2-0-KD	KD	16.74	11.81	948	11.81	100%	200	50%	50%	YES

Flemington Lane PP1 CA4 Assessment: Daylight SDA Spatial Daylight Autonomy Standard BS EN 17037											
Unit No	Room Ref	Room Use	Room Area	Effective Area	Results Median Lux	Area Meeting Req Lux	% of Area Meeting Req Lux	Req Lux	Req % of Space	Req % of Hours	Test Meets SDA Standard ?
575								occupied hours: 4380 (all)			566
u142	B2-0-L	Live	17.4	12.74	454	12.74	100%	150	50%	50%	YES
u142	B2-1-B1	Bed	14.62	10.38	256	10.38	100%	100	50%	50%	YES
u142	B2-1-B2	Bed	11.29	7.33	876	7.33	100%	100	50%	50%	YES
u142	B2-1-B3	Bed	9.34	5.77	338	5.77	100%	100	50%	50%	YES
u143	B2-0-KD	KD	16.74	11.81	883	11.81	100%	200	50%	50%	YES
u143	B2-0-L	Live	17.4	12.74	441	12.74	100%	150	50%	50%	YES
u143	B2-1-B1	Bed	14.62	10.38	232	10.29	99%	100	50%	50%	YES
u143	B2-1-B2	Bed	11.29	7.33	821	7.33	100%	100	50%	50%	YES
u143	B2-1-B3	Bed	9.34	5.77	343	5.77	100%	100	50%	50%	YES
u144	B2-0-L	Live	17.4	12.74	426	12.74	100%	150	50%	50%	YES
u144	B2-1-B1	Bed	14.62	10.38	256	10.38	100%	100	50%	50%	YES
u144	B2-1-B2	Bed	11.29	7.33	850	7.33	100%	100	50%	50%	YES
u144	B2-1-B3	Bed	9.34	5.77	324	5.77	100%	100	50%	50%	YES
u145	B2-0-KD	KD	16.74	11.81	882	11.81	100%	200	50%	50%	YES
u145	B2-0-L	Live	17.4	12.74	417	12.74	100%	150	50%	50%	YES
u145	B2-1-B1	Bed	14.62	10.38	234	10.29	99%	100	50%	50%	YES
u145	B2-1-B3	Bed	9.34	5.77	332	5.77	100%	100	50%	50%	YES
u146	B2-0-KD	KD	16.74	11.81	940	11.81	100%	200	50%	50%	YES
u146	B2-0-L	Live	17.4	12.74	425	12.74	100%	150	50%	50%	YES
u146	B2-1-B1	Bed	14.62	10.38	254	10.38	100%	100	50%	50%	YES
u146	B2-1-B2	Bed	11.29	7.33	864	7.33	100%	100	50%	50%	YES
u147	B2-0-KD	KD	16.74	11.81	907	11.81	100%	200	50%	50%	YES
u147	B2-0-L	Live	17.4	12.74	429	12.74	100%	150	50%	50%	YES
u147	B2-1-B1	Bed	14.62	10.38	239	10.29	99%	100	50%	50%	YES
u147	B2-1-B2	Bed	11.29	7.33	813	7.33	100%	100	50%	50%	YES

The vast majority of rooms far exceed the SDA target in the Standard.

For the very few rooms that do not meet the targets, they are in the majority within a close range of the target levels.

7.2.2 Sunlight Exposure

An assessment for sunlight exposure was carried out on dwell rooms throughout the project.

The result of the sunlight exposure to the dwellings assessed are as follows:

Flemington Lane		PP1	
Assessment:			
Sunlight Exposure SE (BS EN 17037			
Sunlight		SDA	
Standard		BS EN 17037	
Unit Type/ Blocks		Qty Rooms Meets SDA Standard ?	% Rooms Meets SDA Standard ?
BlockA	12	12	100%
BlockB	8	8	100%
BlockC	6	6	100%
Houses	120	116	97%
Total	146	142	97%

Of 146 dwellings tested, 142 (97%) meet the SE targets in EN 17037 fully.

It should be noted that for a unit (dwelling) to be deemed compliant, one habitable room in it must meet the required sunlight exposure level.

At a dwelling level the results are as follows:

Flemington Ln PP1						
SE Summary			Sunlight Exposure BS EN17037			
Dwellings						
146		SE Assessment Result Rating		Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037
		Rooms Scores		Dwelling Result		142
Unit No.	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	Percent Meet EB17037
u001	4	2	1	High	YES	97%
u002	1	1	2	Minimum	YES	
u003	1	1	1	High	YES	
u004	1	1	2	Minimum	YES	
u005	1	1	2	Minimum	YES	
u006	1	1	1	High	YES	
u007	1	1	2	Minimum	YES	
u008	4	1	0	High	YES	
u009	0	3	2	Medium	YES	

Flemington Ln PP1 SE Summary Dwellings						
146 SE Assessment Result Rating				Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037 142
Unit No.	Rooms Scores			Dwelling Result		Percent Meet EB17037 97%
	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	
u010	1	1	2	Minimum	YES	
u011	1	1	1	High	YES	
u012	1	1	2	Minimum	YES	
u013	1	1	2	Minimum	YES	
u014	1	1	1	High	YES	
u015	1	1	2	Minimum	YES	
u016	4	1	2	High	YES	
u017	1	2	1	Medium	YES	
u018	1	2	1	Medium	YES	
u019	1	2	1	Medium	YES	
u020	1	2	1	Medium	YES	
u021	1	2	1	Medium	YES	
u022	1	2	1	Medium	YES	
u023	0	3	3	Medium	YES	
u024	4	1	0	High	YES	
u025	3	0	1	High	YES	
u026	3	2	0	High	YES	
u027	3	0	1	High	YES	
u028	3	2	0	High	YES	
u029	3	0	1	High	YES	
u030	3	2	0	High	YES	
u031	3	0	1	High	YES	
u032	6	0	0	High	YES	
u033	0	3	1	Medium	YES	
u034	1	1	0	High	YES	
u035	1	1	0	High	YES	
u036	2	1	1	High	YES	
u037	0	3	1	Medium	YES	
u038	4	1	0	High	YES	
u039	0	3	1	Medium	YES	
u040	1	1	0	High	YES	
u041	1	1	0	High	YES	
u042	1	2	2	Medium	YES	
u043	0	3	2	Medium	YES	

Flemington Ln PP1 SE Summary Dwellings						
146 SE Assessment Result Rating				Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037 142
Unit No.	Rooms Scores			Dwelling Result		Percent Meet EB17037 97%
	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	
u044	1	1	0	High	YES	
u045	2	0	1	High	YES	
u046	1	1	0	High	YES	
u047	1	1	0	High	YES	
u048	0	2	0	Medium	YES	
u049	3	2	1	High	YES	
u050	3	2	1	High	YES	
u051	3	1	0	High	YES	
u052	1	2	0	Medium	YES	
u053	1	2	0	Medium	YES	
u054	0	1	0	Medium	YES	
u055	0	2	2	Medium	YES	
u056	1	1	0	High	YES	
u057	1	1	0	High	YES	
u058	2	1	1	High	YES	
u059	0	3	0	Medium	YES	
u060	4	1	0	High	YES	
u061	0	2	2	Medium	YES	
u062	1	1	0	High	YES	
u063	1	1	0	High	YES	
u064	1	2	2	Medium	YES	
u065	0	3	2	Medium	YES	
u066	2	2	1	High	YES	
u067	0	2	2	Medium	YES	
u068	2	2	0	High	YES	
u069	1	2	0	Medium	YES	
u070	1	2	0	Medium	YES	
u071	0	0	2	Minimum	YES	
u072	1	1	0	High	YES	
u073	1	0	0	High	YES	
u074	1	1	0	High	YES	
u075	1	1	0	High	YES	
u076	0	3	0	Medium	YES	
u077	0	1	0	Medium	YES	

Flemington Ln PP1 SE Summary Dwellings						
146 SE Assessment Result Rating				Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037 142
Unit No.	Rooms Scores			Dwelling Result		Percent Meet EB17037 97%
	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	
u078	2	1	0	High	YES	
u079	0	1	0	Medium	YES	
u080	2	0	0	High	YES	
u081	0	1	0	Medium	YES	
u082	1	1	0	High	YES	
u083	0	1	0	Medium	YES	
u084	0	1	0	Medium	YES	
u085	0	0	1	Minimum	YES	
u086	1	1	0	High	YES	
u087	0	0	1	Minimum	YES	
u088	1	0	0	High	YES	
u089	0	0	1	Minimum	YES	
u090	0	1	0	Medium	YES	
u091	0	0	1	Minimum	YES	
u092	0	1	0	Medium	YES	
u093	0	0	1	Minimum	YES	
u094	0	1	0	Medium	YES	
u095	0	0	1	Minimum	YES	
u096	2	0	0	High	YES	
u098	1	2	0	Medium	YES	
u099	1	2	0	Medium	YES	
u100	1	2	1	Medium	YES	
u101	1	2	0	Medium	YES	
u102	0	2	1	Medium	YES	
u103	1	0	0	High	YES	
u104	0	1	0	Medium	YES	
u105	0	0	0	High	NO	
u106	1	1	0	High	YES	
u107	1	1	0	High	YES	
u108	1	1	0	High	YES	
u109	1	1	0	High	YES	
u110	1	1	0	High	YES	
u111	4	0	0	High	YES	
u112	0	0	1	Minimum	YES	

Flemington Ln PP1 SE Summary Dwellings						
146 SE Assessment Result Rating				Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037 142
Unit No.	Rooms Scores			Dwelling Result		Percent Meet EB17037 97%
	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	
u113	2	0	0	High	YES	
u114	0	0	1	Minimum	YES	
u115	2	0	0	High	YES	
u116	2	0	0	High	YES	
u117	1	0	0	High	YES	
u118	1	0	0	High	YES	
u119	0	1	0	Medium	YES	
u119	0	1	0	Medium	YES	
u121	1	0	0	High	YES	
u122	0	0	0	High	NO	
u123	0	0	0	High	NO	
u124	0	0	0	High	NO	
u125	0	1	0	Medium	YES	
u126	2	0	0	High	YES	
u127	2	0	0	High	YES	
u128	1	2	0	Medium	YES	
u129	1	2	0	Medium	YES	
u130	1	2	0	Medium	YES	
u131	1	2	0	Medium	YES	
u132	1	2	0	Medium	YES	
u133	2	4	0	Medium	YES	
u134	5	0	0	High	YES	
u135	2	2	0	High	YES	
u136	1	2	0	Medium	YES	
u137	1	2	0	Medium	YES	
u138	1	2	0	Medium	YES	
u139	1	2	0	Medium	YES	
u140	0	3	1	Medium	YES	
u141	5	1	1	High	YES	
u142	3	2	0	High	YES	
u143	3	0	1	High	YES	
u144	3	1	0	High	YES	
u145	2	0	1	High	YES	
u146	2	2	0	High	YES	

Flemington Ln PP1 SE Summary Dwellings						
Sunlight Exposure BS EN17037				Criteria: 1 room has > 1.5hrs sunlight March 21st		Qty. Dwellings Meet BS EN17037
146	SE Assessment Result Rating					142
Unit No.	Rooms Scores			Dwelling Result		Percent Meet EB17037
	High Qty. Rms	Medium Qty. Rms	Minimum Qty. Rms	Dwelling SE Rating	Dwelling Satisfies EN 17037	97%
u147	2	0	1	High	YES	

Detail SE assessments for all habitable rooms and windows are provided in the Appendix

7.2.3 Amenity Sunlight

Public and Communal Open Spaces

The 4 outdoor amenity area surfaces, designated as Public Open Space (POS), Communal Open Space (COS) and EOS amenity spaces were assessed with result showing all meet the BRE209 (2022) criteria fully:

Project: Flemington Lane_CA4_PP1_Lagan Homes					
No.: DSA2616					
Assessment: Two Hour Sunlight to Amenity - Proposed Scheme					
Standard: BRE 209 (2022)					
Date 24/08/2026					
Level	Amenity Zone Ref	Amenity Zone Area (msq)	2Hr Sunlit Area Proposed	Meets BRE Criteria	
Lev0	Amenity_POS_1	Area m2	1082.69	1010.36	YES
		Percentage		93%	
Lev0	Amenity_POS_2	Area m2	650.23	650.23	YES
		Percentage		100%	
Lev0	Amenity_POS_3	Area m2	3066.51	3066.51	YES
		Percentage		100%	
Lev0	Amenity_POS_4	Area m2	259.17	259.17	YES
		Percentage		100%	

8 zones comprising amalgamated contiguous private amenity space zones were assessed under BRE 209 (2022) and all meet the BRE209 (2022) criteria fully:

The following table show the results:

(Amenity Zone Ref below refer to dwelling unit numbers)

Project: Flemington Lane_CA4_PP1_Lagan Homes

No.: DSA2616

Assessment: **Two Hour Sunlight to Amenity - Proposed Scheme**

Standard: BRE 209 (2022)

Date 24/08/2026

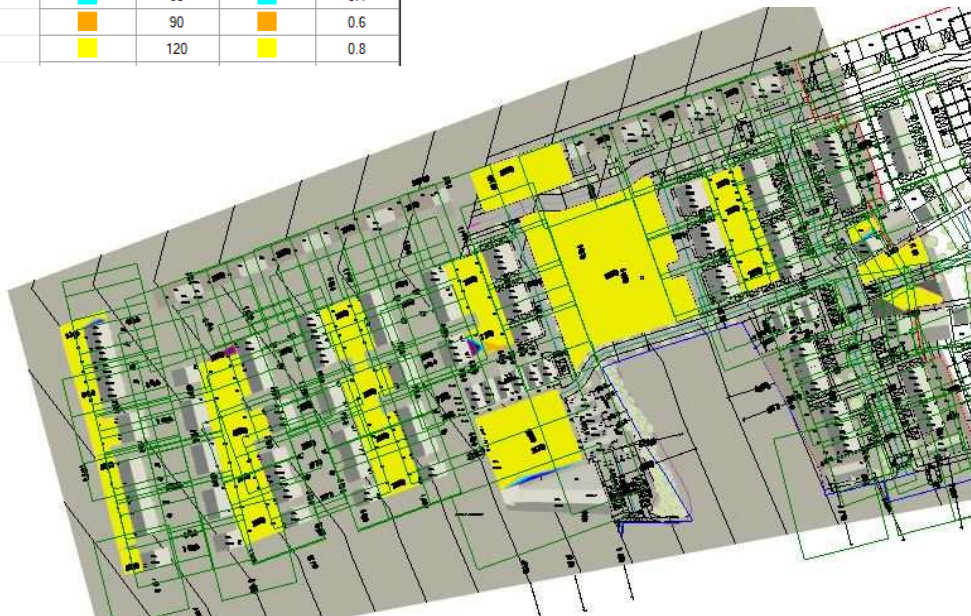
Level	Amenity Zone Ref	Amenity Zone Area (msq)		2Hr Sunlit Area Proposed	Meets BRE Criteria
					50% area receives >2hrs sun March/ Sept 21st)-Proposed ?
Lev0	Amenity_Priv_001	Area m2	77.17	77.17	YES
		Percentage		100%	
Lev0	Amenity_Priv_002-007	Area m2	298.69	292.12	YES
		Percentage		98%	
Lev0	Amenity_Priv_008-015	Area m2	537.84	518.34	YES
		Percentage		96%	
Lev0	Amenity_Priv_016-023, 033-043	Area m2	1308.31	1286.01	YES
		Percentage		98%	
Lev0	Amenity_Priv_044-065	Area m2	1182.28	1175.98	YES
		Percentage		99%	
Lev0	Amenity_Priv_066-076	Area m2	608.41	536.18	YES
		Percentage		88%	
Lev0	Amenity_Priv_098-111	Area m2	775.25	765.45	YES
		Percentage		99%	
Lev0	Amenity_Priv_134	Area m2	85.01	60.88	YES
		Percentage		72%	

Amenity Sunlight Graphic Results

Graphic results (yellow means 120 minutes/ 2 hours sunlight) to Pos/ COS / private outdoor amenity /POS surfaces

Calculation : AMENITY

	Colour	Value	Ratio Colour	Ratio Value
		0		0
		30		0.2
		60		0.4
		90		0.6
		120		0.8



7.3 Neighbour Impact Results

7.3.1 Daylight Access Impacts

As set out in 6.3.1 above, no neighbouring dwellings are situated with the zones of potential impact defined under BRE 209 Section 2.2.4 therefore full assessments were not required to be carried out.

Daylight access to neighbours is not impacted by the development

7.3.2 Sunlight Impacts

As set out in 6.3.1 above, no neighbouring dwellings are situated with the zones of potential impact defined under BRE 209 Section 3.2.3 therefore full assessments were not required to be carried out.

Sunlight access to neighbours is not impacted by the development.

7.3.3 Amenity Sunlight Impacts

As set out in 6.3.1 above, no neighbouring dwellings are situated with the zones of potential impact defined under BRE 209 therefore full assessments were not required to be carried out..

Amenity Sunlight to neighbours private amenity spaces is not impacted by the development

7.4 Flexibility in the Guidance - Mitigation and Compensation

7.4.1 Flexibility in Evaluating Results

The guidance is replete with suggestions to planning authorities to consider the numerical guidelines as recommendations, not as rigid metrics to be imposed to the detriment of other, often competing planning and urban design objectives.

The Design Guidelines for instance states '*planning authorities should apply their discretion taking account of its assessment of specifics (aspects of the proposal). This (departure from meeting the recommendations) may arise due to a design constraints associated with the site or location and the (planning authority should proceed by) balancing of that assessment against the desirability of achieving wider planning objectives. Such objectives might include securing comprehensive urban regeneration and or an effective urban design and streetscape solutions*'.

The BRE guidance document states that '*although it gives numerical guidelines, these should be interpreted flexibly since natural lighting is only one of many factors in site layout design. In special circumstances the developer or planning authority may wish to use different target values. For example in historic city centres or in an area with modern high rise buildings, a higher degree of obstruction may be unavoidable if new developments or to match the height and proportions of existing buildings*'

7.4.2 Mitigations and Compensatory Measures

For the small number of rooms and units that fall short of the recommend performance criteria, the design offers many compensatory features. Among these are the larger than minimum areas, high floor to ceiling heights, dual aspect rooms, high quality public realm and street furnishings and materials and generous external features.

These aspects should be taken into consideration in evaluating the schemes daylight and sunlight performance results.

8 Conclusion

The proposed scheme is successful in designing dwellings that meet the recommendations in the standards for all daylight and sunlight performance categories to an exceedingly high level (>95%) overall.

No neighbours are affected by the proposed scheme for any daylight and sunlight impact categories.

9 Approval

This assessment study will be carried out by Brian T O'Brien MRAI M Arch (UC Berkely), B Arch Sci TU Dublin, Dip Arch, Bau-biologist.

Brian is a graduate of T U Dublin School of Architecture, has a Masters in sustainable architecture (2009) from the University California at Berkeley, experience with UCDs Energy Research Group, 20 years lecturing on sustainable design at TU Dublin and two decades leading Irish and European research/ analysis and design projects at prestigious Irish sustainable design practice Solearth Architecture. He has been conducting daylight and shadow analysis in Ireland and UK for the last 20 years and is an acknowledged expert in sustainable design and building performance.

Signed:



Date: 28 Aug 2026

10 Appendix

10.1 Glossary and Meanings

Vertical Sky Component (VSC):

VSC is the proportion of the illuminance available at a point on a given vertical plane that is received directly from an overcast sky model compared to the luminance on a horizontal plane due to an unobstructed hemisphere of this sky at the same moment. Usually the given vertical plane is the outside of a window wall or a window itself. The VSC does not include reflected light either from the ground or from other buildings.

VSC is the appropriate measure of daylight on a window.

Annual probable sunlight hours (APSH) and winter probable sunlight hours (WPSH)

APSH and WPSH are a measure of sunlight that a given window may expect over a 365 day period or over the period between 21st September and 21st March respectively.

These are the appropriate measures of sunlight on a window.

Sun on Ground (SoG)/ Amenity sunlight

SoG is an evaluation of what area, or percentage of the area, of a garden or amenity space is capable of receiving 2 hours or more of direct sunlight on March 21st. SOG is the appropriate measure of sunlight on an outdoor open space.

Sunlight Exposure (SE)

SE is the number of hours of direct sunlight a room could expect to receive on a given date between February 1st and March 21st at a specified window. Sunlight exposure is the appropriate test for sunlight received inside a room.

Spatial Daylight Autonomy (SDA) also known as daylight availability

SDA analyzes whether a room receives appropriate sunlight on a theoretical working plane during typical operating hours over the year. For compliance, the target must be achieved across half of the working plane for half of the occupied period. SDA is the appropriate test for the level of daylight ie daylight availability inside a room.

Lux (illuminance)

Lux is a standardized unit of measurement of light level intensity. One Lux is the same as the illumination a single candle strength light provides to a 1square meter surface that is a metre away from it. For daylight analysis, lux levels are typically translated, (based on the latitude of the location) to daylight factors (DF). BS EN 17037's NA gives the following examples; a lux level of 100 translates to a daylight factor of 1.0, 150 lux becomes a daylight factor of 1.5, and 200 lux equates to a 2% daylight factor.

Daylight Factor (DF)

DF is the ratio of the daylight available on a theoretical plane inside a space, versus the daylight available outside that space on a comparable plane, at the same moment.

No Sky line (NSL)

The NSL is the line across a room's plan that separates areas that can see the sky from those that cant.

10.2 Detail Results Proposed Project Performance

10.2.1 Daylight Provision

NA (provided in full above)

10.2.2 Sunlight Exposure

See next page

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
BlockA	u077	u077-AptsA_0_B1	Bedroom	BlockA_Lev0_W72	340°N	0	Failed
BlockA	u077	u077-AptsA_0_B1	Bedroom	BlockA_Lev0_W72	340°N	0	
BlockA	u077	u077-AptsA_0_KDL	KDL	BlockA_Lev0_W71	160°	3.9	Medium
BlockA	u077	u077-AptsA_0_KDL	KDL	BlockA_Lev0_W71	160°	3.9	
BlockA	u079	u079-AptsA_0_B1	Bedroom	BlockA_Lev0_W85	340°N	0	Failed
BlockA	u079	u079-AptsA_0_B1	Bedroom	BlockA_Lev0_W85	340°N	0	
BlockA	u079	u079-AptsA_0_KDL	KDL	BlockA_Lev0_W84	160°	3.9	Medium
BlockA	u079	u079-AptsA_0_KDL	KDL	BlockA_Lev0_W84	160°	3.9	
BlockA	u081	u081-AptsA_0_B5	Bedroom	BlockA_Lev0_W97	340°N	0	Failed
BlockA	u081	u081-AptsA_0_B5	Bedroom	BlockA_Lev0_W97	340°N	0	
BlockA	u081	u081-AptsA_0_B6	KDL	BlockA_Lev0_W96	160°	3.4	Medium
BlockA	u081	u081-AptsA_0_B6	KDL	BlockA_Lev0_W96	160°	3.4	
BlockA	u083	u083-AptsA_0_B10	Bedroom	BlockA_Lev0_W109	340°N	0	Failed
BlockA	u083	u083-AptsA_0_B10	Bedroom	BlockA_Lev0_W109	340°N	0	
BlockA	u083	u083-AptsA_0_B11	KDL	BlockA_Lev0_W108	160°	3.3	Medium
BlockA	u083	u083-AptsA_0_B11	KDL	BlockA_Lev0_W108	160°	3.3	
BlockA	u085	u085-AptsA_0_B15	Bedroom	BlockA_Lev0_W121	340°N	0	Failed
BlockA	u085	u085-AptsA_0_B15	Bedroom	BlockA_Lev0_W121	340°N	0	
BlockA	u085	u085-AptsA_0_B16	KDL	BlockA_Lev0_W120	160°	2.5	Minimum
BlockA	u085	u085-AptsA_0_B16	KDL	BlockA_Lev0_W120	160°	2.5	
BlockA	u087	u087-AptsA_0_B1	Bedroom	BlockA_Lev0_W145	340°N	0	Failed
BlockA	u087	u087-AptsA_0_B1	Bedroom	BlockA_Lev0_W145	340°N	0	
BlockA	u087	u087-AptsA_0_KDL	KDL	BlockA_Lev0_W144	160°	2	Minimum
BlockA	u087	u087-AptsA_0_KDL	KDL	BlockA_Lev0_W144	160°	2	
BlockA	u078	u078-AptsA_1_KDL	KDL	BlockA_Lev1_W10	160°	4.2	High
BlockA	u078	u078-AptsA_1_KDL	KDL	BlockA_Lev1_W68	340°N	0	
BlockA	u078	u078-AptsA_1_KDL	KDL	BlockA_Lev1_W69	160°	3.6	High
BlockA	u078	u078-AptsA_1_KDL	KDL	BlockA_Lev1_W78	340°N	0	
BlockA	u078	u078-AptsA_1_KDL	KDL	BlockA_Lev1_W149	250°	4.5	High
BlockA	u078					8.7	
BlockA	u080	u080-AptsA_1_KDL	KDL	BlockA_Lev1_W79	160°	3	High
BlockA	u080	u080-AptsA_1_KDL	KDL	BlockA_Lev1_W81	340°N	0	
BlockA	u080	u080-AptsA_1_KDL	KDL	BlockA_Lev1_W82	160°	4.2	High
BlockA	u080	u080-AptsA_1_KDL	KDL	BlockA_Lev1_W90	340°N	0	
BlockA	u080					4.2	High
BlockA	u082	u082-AptsA_0_B4	KDL	BlockA_Lev1_W91	160°	4	
BlockA	u082	u082-AptsA_0_B4	KDL	BlockA_Lev1_W93	340°N	0	Medium
BlockA	u082	u082-AptsA_0_B4	KDL	BlockA_Lev1_W94	160°	3.9	
BlockA	u082	u082-AptsA_0_B4	KDL	BlockA_Lev1_W102	340°N	0	Medium
BlockA	u082					4	
BlockA	u084	u084-AptsA_0_B9	KDL	BlockA_Lev1_W103	160°	3	Medium
BlockA	u084	u084-AptsA_0_B9	KDL	BlockA_Lev1_W105	340°N	0	
BlockA	u084	u084-AptsA_0_B9	KDL	BlockA_Lev1_W106	160°	3.9	Medium
BlockA	u084	u084-AptsA_0_B9	KDL	BlockA_Lev1_W114	340°N	0	
BlockA	u084					3.9	Medium
BlockA	u086	u086-AptsA_0_B14	KDL	BlockA_Lev1_W115	160°	3.2	
BlockA	u086	u086-AptsA_0_B14	KDL	BlockA_Lev1_W117	340°N	0	Medium
BlockA	u086	u086-AptsA_0_B14	KDL	BlockA_Lev1_W118	160°	2.8	
BlockA	u086	u086-AptsA_0_B14	KDL	BlockA_Lev1_W126	340°N	0	Medium
BlockA	u086					3.2	
BlockA	u088	u088-AptsA_1_KDL	KDL	BlockA_Lev1_W139	160°	2.3	Medium
BlockA	u088	u088-AptsA_1_KDL	KDL	BlockA_Lev1_W141	340°N	0	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
BlockA	u088	u088-AptsA_1_KDL	KDL	BlockA_Lev1_W142	160°	1.9	High
BlockA	u088	u088-AptsA_1_KDL	KDL	BlockA_Lev1_W150	340°N	0	
BlockA	u088	u088-AptsA_1_KDL	KDL	BlockA_Lev1_W151	70°N	2.5	
BlockA	u088					4.2	High
BlockA	u078	u078-AptsA_2_B1	Bedroom	BlockA_Lev2_W73	160°	6.6	
BlockA	u078	u078-AptsA_2_B1	Bedroom	BlockA_Lev2_W74	160°	6.6	
BlockA	u078	u078-AptsA_2_B1	Bedroom	BlockA_Lev2_W127	250°	3.9	High
BlockA	u078					9.4	
BlockA	u078	u078-AptsA_2_B2	Bedroom	BlockA_Lev2_W76	340°N	0	
BlockA	u078	u078-AptsA_2_B2	Bedroom	BlockA_Lev2_W125	250°	3.9	Medium
BlockA	u078					3.9	
BlockA	u080	u080-AptsA_2_B1	Bedroom	BlockA_Lev2_W86	160°	6.6	
BlockA	u080	u080-AptsA_2_B1	Bedroom	BlockA_Lev2_W87	160°	6.6	High
BlockA	u080					6.6	
BlockA	u080	u080-AptsA_2_B2	Bedroom	BlockA_Lev2_W88	340°N	0	
BlockA	u080					0	Failed
BlockA	u082	u082-AptsA_2_B1	Bedroom	BlockA_Lev2_W98	160°	6.6	
BlockA	u082	u082-AptsA_2_B1	Bedroom	BlockA_Lev2_W99	160°	6.6	
BlockA	u082					6.6	High
BlockA	u082	u082-AptsA_2_B2	Bedroom	BlockA_Lev2_W100	340°N	0	
BlockA	u082					0	
BlockA	u086	u086-AptsA_1_B1	Bedroom	BlockA_Lev2_W122	160°	6.6	High
BlockA	u086	u086-AptsA_1_B1	Bedroom	BlockA_Lev2_W123	160°	6.6	
BlockA	u086					6.6	
BlockB	u089	u089-AptsA_0_B1	Bedroom	BlockB_Lev0_W72	70°N	0	Failed
BlockB	u089					0	
BlockB	u089	u089-AptsA_0_KDL	KDL	BlockB_Lev0_W71	250°	2.7	
BlockB	u089					2.7	Minimum
BlockB	u091	u091-AptsA_0_B1	Bedroom	BlockB_Lev0_W85	70°N	1.4	
BlockB	u091					1.4	
BlockB	u091	u091-AptsA_0_KDL	KDL	BlockB_Lev0_W84	250°	2.8	Minimum
BlockB	u091					2.8	
BlockB	u093	u093-AptsA_0_B15	Bedroom	BlockB_Lev0_W121	70°N	0	
BlockB	u093					0	Failed
BlockB	u093	u093-AptsA_0_B16	KDL	BlockB_Lev0_W120	250°	2.8	
BlockB	u093					2.8	Minimum
BlockB	u095	u095-AptsA_0_B1	Bedroom	BlockB_Lev0_W145	70°N	1.4	
BlockB	u095					1.4	
BlockB	u095	u095-AptsA_0_KDL	KDL	BlockB_Lev0_W144	250°	2.8	Minimum
BlockB	u095					2.8	
BlockB	u090	u090-AptsA_2_B1	Bedroom	BlockB_Lev2_W73	250°	3.9	
BlockB	u090	u090-AptsA_2_B1	Bedroom	BlockB_Lev2_W74	250°	3.9	Medium
BlockB	u090	u090-AptsA_2_B1	Bedroom	BlockB_Lev2_W127	340°N	0	
BlockB	u090					3.9	
BlockB	u090	u090-AptsA_2_B2	Bedroom	BlockB_Lev2_W76	70°N	1.4	Failed
BlockB	u090	u090-AptsA_2_B2	Bedroom	BlockB_Lev2_W125	340°N	0	
BlockB	u090					1.4	
BlockB	u092	u092-AptsA_2_B1	Bedroom	BlockB_Lev2_W86	250°	3.9	Medium
BlockB	u092	u092-AptsA_2_B1	Bedroom	BlockB_Lev2_W87	250°	3.9	
BlockB	u092					3.9	
BlockB	u092	u092-AptsA_2_B2	Bedroom	BlockB_Lev2_W88	70°N	1.4	Failed
BlockB	u092					1.4	
BlockB	u094	u094-AptsA_0_B12	Bedroom	BlockB_Lev2_W124	70°N	1.4	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
BlockB	u094					1.4	Failed
BlockB	u094	u094-AptsA_0_B13	Bedroom	BlockB_Lev2_W122	250°	3.9	Medium
BlockB	u094	u094-AptsA_0_B13	Bedroom	BlockB_Lev2_W123	250°	3.9	
BlockB	u094					3.9	
BlockB	u096	u096-AptsA_2_B1	Bedroom	BlockB_Lev2_W129	160°	6.6	High
BlockB	u096	u096-AptsA_2_B1	Bedroom	BlockB_Lev2_W146	250°	3.9	
BlockB	u096	u096-AptsA_2_B1	Bedroom	BlockB_Lev2_W147	250°	3.9	
BlockB	u096					9.4	High
BlockB	u096	u096-AptsA_2_B2	Bedroom	BlockB_Lev2_W128	160°	6.6	
BlockB	u096	u096-AptsA_2_B2	Bedroom	BlockB_Lev2_W148	70°N	1.4	
BlockB	u096					6.6	High
BlockC	u112	u112-AptsA_0_KDL	KDL	BlockC_Lev0_W156	340°N	0	Failed
BlockC	u112					0	
BlockC	u112	u112-AptsA_2_B1	Bedroom	BlockC_Lev0_W152	160°	2.8	
BlockC	u112					2.8	Minimum
BlockC	u114	u114-AptsA_0_B1	Bedroom	BlockC_Lev0_W85	160°	2	Minimum
BlockC	u114					2	
BlockC	u114	u114-AptsA_0_KDL	KDL	BlockC_Lev0_W84	340°N	0	
BlockC	u114					0	Failed
BlockC	u116	u116-AptsA_0_B1	Bedroom	BlockC_Lev0_W72	160°	6.5	High
BlockC	u116					6.5	
BlockC	u116	u116-AptsA_0_KDL	KDL	BlockC_Lev0_W71	340°N	0	
BlockC	u116					0	Failed
BlockC	u113	u113-AptsA_1_KDL	KDL	BlockC_Lev1_W139	340°N	0	
BlockC	u113	u113-AptsA_1_KDL	KDL	BlockC_Lev1_W142	340°N	0	
BlockC	u113	u113-AptsA_1_KDL	KDL	BlockC_Lev1_W151	160°	2.2	
BlockC	u113	u113-AptsA_1_KDL	KDL	BlockC_Lev1_W154	160°	4.3	High
BlockC	u113					5.5	
BlockC	u115	u115-AptsA_1_KDL	KDL	BlockC_Lev1_W79	340°N	0	
BlockC	u115	u115-AptsA_1_KDL	KDL	BlockC_Lev1_W81	160°	4.3	
BlockC	u115	u115-AptsA_1_KDL	KDL	BlockC_Lev1_W82	340°N	0	
BlockC	u115	u115-AptsA_1_KDL	KDL	BlockC_Lev1_W90	160°	3.3	
BlockC	u115					5.7	High
BlockC	u116	u117-AptsA_1_KDL	KDL	BlockC_Lev1_W10	340°N	0	
BlockC	u116	u117-AptsA_1_KDL	KDL	BlockC_Lev1_W68	160°	6.3	
BlockC	u116	u117-AptsA_1_KDL	KDL	BlockC_Lev1_W69	340°N	0	
BlockC	u116	u117-AptsA_1_KDL	KDL	BlockC_Lev1_W78	160°	3.8	
BlockC	u116	u117-AptsA_1_KDL	KDL	BlockC_Lev1_W149	70°N	2.5	
BlockC	u116					6.3	
BlockC	u113	u113-AptsA_2_B1	Bedroom	BlockC_Lev2_W146	340°N	0	Failed
BlockC	u113	u113-AptsA_2_B1	Bedroom	BlockC_Lev2_W147	340°N	0	
BlockC	u113					0	
BlockC	u113	u113-AptsA_2_B2	Bedroom	BlockC_Lev2_W128	250°	3.9	High
BlockC	u113	u113-AptsA_2_B2	Bedroom	BlockC_Lev2_W153	160°	6.6	
BlockC	u113					9.4	
BlockC	u115	u115-AptsA_2_B1	Bedroom	BlockC_Lev2_W86	340°N	0	Failed
BlockC	u115	u115-AptsA_2_B1	Bedroom	BlockC_Lev2_W87	340°N	0	
BlockC	u115					0	
BlockC	u115	u115-AptsA_2_B2	Bedroom	BlockC_Lev2_W88	160°	6.6	High
BlockC	u115					6.6	
BlockC	u117	u117-AptsA_2_B1	Bedroom	BlockC_Lev2_W73	340°N	0	
BlockC	u117	u117-AptsA_2_B1	Bedroom	BlockC_Lev2_W74	340°N	0	
BlockC	u117	u117-AptsA_2_B1	Bedroom	BlockC_Lev2_W127	70°N	1.4	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
BlockC	u117					1.4	Failed
BlockC	u117	u117-AptsA_2_B2	Bedroom	BlockC_Lev2_W76	160°	6.6	High
BlockC	u117	u117-AptsA_2_B2	Bedroom	BlockC_Lev2_W125	70°N	1.4	
BlockC	u117					6.6	
u001	u001	BC1.1-0-O	Home Office	u001_Lev0_W23	166°	6.5	High
u001	u001	BC1.1-0-O	Home Office	u001_Lev0_W24	256°	3.5	
u001	u001					8.9	
u001	u001	C1.1-0-KD	Kitchen - Dir	u001_Lev0_W5	76°N	1.8	High
u001	u001	C1.1-0-KD	Kitchen - Dir	u001_Lev0_W6	76°N	2.8	
u001	u001	C1.1-0-KD	Kitchen - Dir	u001_Lev0_W16	166°	6.5	
u001	u001					7	High
u001	u001	C1.1-0-L	Living Room	u001_Lev0_W2	256°	3.5	Medium
u001	u001	C1.1-0-L	Living Room	u001_Lev0_W22	256°	3.5	
u001	u001					3.5	
u001	u001	C1.1-1-B1	Bedroom	u001_Lev1_W15	76°N	1.8	Minimum
u001	u001	C1.1-1-B1	Bedroom	u001_Lev1_W21	76°N	1.8	
u001	u001					1.8	
u001	u001	C1.1-1-B2	Bedroom	u001_Lev1_W12	256°	3.5	High
u001	u001	C1.1-1-B2	Bedroom	u001_Lev1_W26	166°	6.5	
u001	u001					8.9	
u001	u001	C1.1-1-B3	Bedroom	u001_Lev1_W10	256°	3.5	Medium
u001	u001					3.5	
u001	u001	C1.1-1-B4	Bedroom	u001_Lev1_W25	166°	6.5	
u001	u001					6.5	High
u002	u002	B4-0-KDL	Kitchen - Dir	u002_Lev0_W2	76°N	1.5	High
u002	u002	B4-0-KDL	Kitchen - Dir	u002_Lev0_W5	256°	3.5	
u002	u002	B4-0-KDL	Kitchen - Dir	u002_Lev0_W6	256°	4.4	
u002	u002	B4-0-KDL	Kitchen - Dir	u002_Lev0_W7	166°	2	High
u002	u002	B4-0-KDL	Kitchen - Dir	u002_Lev0_W9	166°	2.3	
u002	u002					6.5	
u002	u002	B4-1-B1	Bedroom	u002_Lev1_W14	256°	3.5	Medium
u002	u002	B4-1-B1	Bedroom	u002_Lev1_W15	256°	3.5	
u002	u002					3.5	
u002	u002	B4-1-B2	Bedroom	u002_Lev1_W12	76°N	1.8	Minimum
u002	u002					1.8	
u002	u002	B4-1-B3	Bedroom	u002_Lev1_W10	76°N	1.8	
u002	u002					1.8	Minimum
u003	u003	A2_0_KDL	Kitchen - Dir	u003_Lev0_D4	256°	4.4	High
u003	u003	A2_0_KDL	Kitchen - Dir	u003_Lev0_W1	76°N	1.3	
u003	u003	A2_0_KDL	Kitchen - Dir	u003_Lev0_W3	256°	3.5	
u003	u003					5.7	Medium
u003	u003	A2_1_B1	Bedroom	u003_Lev1_411	256°	3.5	
u003	u003	A2_1_B1	Bedroom	u003_Lev1_W12	256°	3.5	
u003	u003					3.5	Minimum
u003	u003	A2_1_B2	Bedroom	u003_Lev1_49	76°N	1.8	
u003	u003	A2_1_B2	Bedroom	u003_Lev1_W10	76°N	1.8	
u003	u003					1.8	Minimum
u004	u004	B5-0-KDL	Kitchen - Dir	u004_Lev0_W2	76°N	1.5	High
u004	u004	B5-0-KDL	Kitchen - Dir	u004_Lev0_W5	256°	3.5	
u004	u004	B5-0-KDL	Kitchen - Dir	u004_Lev0_W6	256°	4.4	
u004	u004					5.9	High
u004	u004	B5-1-B1	Bedroom	u004_Lev1_W14	256°	3.5	
u004	u004	B5-1-B1	Bedroom	u004_Lev1_W15	256°	3.5	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u004	u004					3.5	Medium
u004	u004	B5-1-B2	Bedroom	u004_Lev1_W12	76°N	1.8	Minimum
u004	u004					1.8	
u004	u004	B5-1-B3	Bedroom	u004_Lev1_W10	76°N	1.8	Minimum
u004	u004					1.8	
u005	u005	B5-0-KDL	Kitchen - Dir	u005_Lev0_W2	76°N	1.4	High
u005	u005	B5-0-KDL	Kitchen - Dir	u005_Lev0_W5	256°	3.5	
u005	u005	B5-0-KDL	Kitchen - Dir	u005_Lev0_W6	256°	4.4	
u005	u005					5.8	
u005	u005	B5-1-B1	Bedroom	u005_Lev1_W14	256°	3.5	Medium
u005	u005	B5-1-B1	Bedroom	u005_Lev1_W15	256°	3.5	
u005	u005					3.5	Minimum
u005	u005	B5-1-B2	Bedroom	u005_Lev1_W12	76°N	1.8	
u005	u005					1.8	Minimum
u005	u005	B5-1-B3	Bedroom	u005_Lev1_W10	76°N	1.8	
u005	u005					1.8	Minimum
u006	u006	A2_0_KDL	Kitchen - Dir	u006_Lev0_D4	256°	4.4	
u006	u006	A2_0_KDL	Kitchen - Dir	u006_Lev0_W1	76°N	1.3	High
u006	u006	A2_0_KDL	Kitchen - Dir	u006_Lev0_W3	256°	3.5	
u006	u006					5.7	
u006	u006	A2_1_B1	Bedroom	u006_Lev1_411	256°	3.5	
u006	u006	A2_1_B1	Bedroom	u006_Lev1_W12	256°	3.5	Medium
u006	u006					3.5	
u006	u006	A2_1_B2	Bedroom	u006_Lev1_49	76°N	1.8	Minimum
u006	u006	A2_1_B2	Bedroom	u006_Lev1_W10	76°N	1.8	
u006	u006					1.8	Minimum
u007	u007	B4-0-KDL	Kitchen - Dir	u007_Lev0_W2	76°N	1.5	
u007	u007	B4-0-KDL	Kitchen - Dir	u007_Lev0_W5	256°	3.5	High
u007	u007	B4-0-KDL	Kitchen - Dir	u007_Lev0_W6	256°	4.4	
u007	u007	B4-0-KDL	Kitchen - Dir	u007_Lev0_W7	346°N	0	
u007	u007	B4-0-KDL	Kitchen - Dir	u007_Lev0_W9	346°N	0	
u007	u007					5.9	Medium
u007	u007	B4-1-B1	Bedroom	u007_Lev1_W14	256°	3.5	
u007	u007	B4-1-B1	Bedroom	u007_Lev1_W15	256°	3.5	Minimum
u007	u007					3.5	
u007	u007	B4-1-B2	Bedroom	u007_Lev1_W12	76°N	1.8	Minimum
u007	u007					1.8	
u007	u007	B4-1-B3	Bedroom	u007_Lev1_W10	76°N	1.8	Minimum
u007	u007					1.8	
u008	u008	B1.1-0-KD	Kitchen - Dir	u008_Lev0_44_ofl_F	76°N	1	High
u008	u008	B1.1-0-KD	Kitchen - Dir	u008_Lev0_44_ofl_F	166°	5	
u008	u008	B1.1-0-KD	Kitchen - Dir	u008_Lev0_44_ofl_F	76°N	2	
u008	u008					5	
u008	u008	B1.1-0-L	Living Room	u008_Lev0_W1	256°	3.5	High
u008	u008	B1.1-0-L	Living Room	u008_Lev0_W2	256°	3.5	
u008	u008	B1.1-0-L	Living Room	u008_Lev0_W3	166°	2.9	
u008	u008					5.4	
u008	u008	B1.1-0-B1	Bedroom	u008_Lev1_W14	166°	6.5	High
u008	u008	B1.1-0-B1	Bedroom	u008_Lev1_W15	76°N	1.6	
u008	u008					6.7	High
u008	u008	B1.1-0-B2	Bedroom	u008_Lev1_W12	256°	3.5	
u008	u008	B1.1-0-B2	Bedroom	u008_Lev1_W13	166°	6.2	High
u008	u008					8.7	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Building Ref	Unit No	Assessment Subject Spaces				Result SE Result (Hours) by window	Test SE Room Rating
		Room Ref	Room Use	Window Ref	Window Orientation		
u008	u008	B1.1-0-B3	Bedroom	u008_Lev1_W10	256°	3.5	Medium
u008	u008					3.5	
u009	u009	B1.1-0-KD	Kitchen - Dir	u009_Lev0_44_0fl_F	76°N	1.2	
u009	u009	B1.1-0-KD	Kitchen - Dir	u009_Lev0_44_0fl_F	346°N	0	
u009	u009	B1.1-0-KD	Kitchen - Dir	u009_Lev0_44_0fl_F	76°N	2.5	
u009	u009					2.7	Minimum
u009	u009	B1.1-0-L	Living Room	u009_Lev0_W1	256°	3.5	
u009	u009	B1.1-0-L	Living Room	u009_Lev0_W2	256°	3.5	
u009	u009	B1.1-0-L	Living Room	u009_Lev0_W3	346°N	0	
u009	u009					3.5	
u009	u009	B1.1-0-B1	Bedroom	u009_Lev1_W14	346°N	0	Medium
u009	u009	B1.1-0-B1	Bedroom	u009_Lev1_W15	76°N	1.8	
u009	u009					1.8	
u009	u009	B1.1-0-B2	Bedroom	u009_Lev1_W12	256°	3.5	
u009	u009	B1.1-0-B2	Bedroom	u009_Lev1_W13	346°N	0	
u009	u009					3.5	Medium
u009	u009	B1.1-0-B3	Bedroom	u009_Lev1_W10	256°	3.5	
u009	u009					3.5	
u010	u010	B4-0-KDL	Kitchen - Dir	u010_Lev0_W2	76°N	1.3	
u010	u010	B4-0-KDL	Kitchen - Dir	u010_Lev0_W5	256°	3.5	
u010	u010	B4-0-KDL	Kitchen - Dir	u010_Lev0_W6	256°	4.4	High
u010	u010	B4-0-KDL	Kitchen - Dir	u010_Lev0_W7	166°	3.6	
u010	u010	B4-0-KDL	Kitchen - Dir	u010_Lev0_W9	166°	2.1	
u010	u010					7.4	
u010	u010	B4-1-B1	Bedroom	u010_Lev1_W14	256°	3.5	
u010	u010	B4-1-B1	Bedroom	u010_Lev1_W15	256°	3.5	Medium
u010	u010					3.5	
u010	u010	B4-1-B2	Bedroom	u010_Lev1_W12	76°N	1.8	
u010	u010					1.8	
u010	u010	B4-1-B3	Bedroom	u010_Lev1_W10	76°N	1.8	Minimum
u010	u010					1.8	
u011	u011	A2_0_KDL	Kitchen - Dir	u011_Lev0_D4	256°	4.4	
u011	u011	A2_0_KDL	Kitchen - Dir	u011_Lev0_W1	76°N	1.3	
u011	u011	A2_0_KDL	Kitchen - Dir	u011_Lev0_W3	256°	3.5	
u011	u011					5.7	High
u011	u011	A2_1_B1	Bedroom	u011_Lev1_411	256°	3.5	
u011	u011	A2_1_B1	Bedroom	u011_Lev1_W12	256°	3.5	
u011	u011					3.5	
u011	u011	A2_1_B2	Bedroom	u011_Lev1_49	76°N	1.8	
u011	u011	A2_1_B2	Bedroom	u011_Lev1_W10	76°N	1.8	Minimum
u011	u011					1.8	
u012	u012	B5-0-KDL	Kitchen - Dir	u012_Lev0_W2	76°N	1.5	
u012	u012	B5-0-KDL	Kitchen - Dir	u012_Lev0_W5	256°	3.5	
u012	u012	B5-0-KDL	Kitchen - Dir	u012_Lev0_W6	256°	4.4	
u012	u012					5.9	High
u012	u012	B5-1-B1	Bedroom	u012_Lev1_W14	256°	3.5	
u012	u012	B5-1-B1	Bedroom	u012_Lev1_W15	256°	3.5	
u012	u012					3.5	
u012	u012	B5-1-B2	Bedroom	u012_Lev1_W12	76°N	1.8	
u012	u012					1.8	Minimum
u012	u012	B5-1-B3	Bedroom	u012_Lev1_W10	76°N	1.8	
u012	u012					1.8	
u013	u013	B5-0-KDL	Kitchen - Dir	u013_Lev0_W2	76°N	1.4	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u013	u013	B5-0-KDL	Kitchen - Dir	u013_Lev0_W5	256°	3.5	High
u013	u013	B5-0-KDL	Kitchen - Dir	u013_Lev0_W6	256°	4.4	
u013	u013					5.8	
u013	u013	B5-1-B1	Bedroom	u013_Lev1_W14	256°	3.5	Medium
u013	u013	B5-1-B1	Bedroom	u013_Lev1_W15	256°	3.5	
u013	u013					3.5	
u013	u013	B5-1-B2	Bedroom	u013_Lev1_W12	76°N	1.8	Minimum
u013	u013					1.8	
u013	u013	B5-1-B3	Bedroom	u013_Lev1_W10	76°N	1.8	Minimum
u013	u013					1.8	
u014	u014	A2_0_KDL	Kitchen - Dir	u014_Lev0_D4	256°	4.4	High
u014	u014	A2_0_KDL	Kitchen - Dir	u014_Lev0_W1	76°N	1.8	
u014	u014	A2_0_KDL	Kitchen - Dir	u014_Lev0_W3	256°	3.5	
u014	u014					6.2	Medium
u014	u014	A2_1_B1	Bedroom	u014_Lev1_411	256°	3.5	
u014	u014	A2_1_B1	Bedroom	u014_Lev1_W12	256°	3.5	
u014	u014					3.5	Minimum
u014	u014	A2_1_B2	Bedroom	u014_Lev1_49	76°N	1.8	
u014	u014	A2_1_B2	Bedroom	u014_Lev1_W10	76°N	1.8	
u014	u014					1.8	High
u015	u015	B4-0-KDL	Kitchen - Dir	u015_Lev0_W2	76°N	1.8	
u015	u015	B4-0-KDL	Kitchen - Dir	u015_Lev0_W5	256°	3.5	
u015	u015	B4-0-KDL	Kitchen - Dir	u015_Lev0_W6	256°	4.4	Medium
u015	u015	B4-0-KDL	Kitchen - Dir	u015_Lev0_W7	346°N	0	
u015	u015	B4-0-KDL	Kitchen - Dir	u015_Lev0_W9	346°N	0	
u015	u015					6.2	Minimum
u015	u015	B4-1-B1	Bedroom	u015_Lev1_W14	256°	3.5	
u015	u015	B4-1-B1	Bedroom	u015_Lev1_W15	256°	3.5	
u015	u015					3.5	High
u015	u015	B4-1-B2	Bedroom	u015_Lev1_W12	76°N	1.8	
u015	u015					1.8	
u015	u015	B4-1-B3	Bedroom	u015_Lev1_W10	76°N	1.8	Medium
u015	u015					1.8	
u015	u015					1.8	
u016	u016	BC1.1-0-O	Home Office	u016_Lev0_W23	166°	6.5	High
u016	u016	BC1.1-0-O	Home Office	u016_Lev0_W24	76°N	1.8	
u016	u016					7	
u016	u016	C1.1-0-KD	Kitchen - Dir	u016_Lev0_W5	256°	2.8	High
u016	u016	C1.1-0-KD	Kitchen - Dir	u016_Lev0_W6	256°	4.1	
u016	u016	C1.1-0-KD	Kitchen - Dir	u016_Lev0_W16	166°	6.5	
u016	u016					8.6	Minimum
u016	u016	C1.1-0-L	Living Room	u016_Lev0_W2	76°N	1.8	
u016	u016	C1.1-0-L	Living Room	u016_Lev0_W22	76°N	1.8	
u016	u016					1.8	Medium
u016	u016	C1.1-1-B1	Bedroom	u016_Lev1_W15	256°	3.4	
u016	u016	C1.1-1-B1	Bedroom	u016_Lev1_W21	256°	3.4	
u016	u016					3.4	High
u016	u016	C1.1-1-B2	Bedroom	u016_Lev1_W12	76°N	1.8	
u016	u016	C1.1-1-B2	Bedroom	u016_Lev1_W26	166°	6.5	
u016	u016					7	Minimum
u016	u016	C1.1-1-B3	Bedroom	u016_Lev1_W10	76°N	1.8	
u016	u016					1.8	
u016	u016	C1.1-1-B4	Bedroom	u016_Lev1_W25	166°	6.5	High
u016	u016					6.5	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u017	u017	B4-0-KDL	Kitchen	Dir u017_Lev0_W2	256°	3.2	High
u017	u017	B4-0-KDL	Kitchen	Dir u017_Lev0_W5	76°N	1.7	
u017	u017	B4-0-KDL	Kitchen	Dir u017_Lev0_W6	76°N	2.8	
u017	u017	B4-0-KDL	Kitchen	Dir u017_Lev0_W7	166°	2.8	
u017	u017	B4-0-KDL	Kitchen	Dir u017_Lev0_W9	166°	2.7	
u017	u017					7.6	Minimum
u017	u017	B4-1-B1	Bedroom	u017_Lev1_W14	76°N	1.8	
u017	u017	B4-1-B1	Bedroom	u017_Lev1_W15	76°N	1.8	
u017	u017					1.8	Medium
u017	u017	B4-1-B2	Bedroom	u017_Lev1_W12	256°	3.5	
u017	u017					3.5	Medium
u017	u017	B4-1-B3	Bedroom	u017_Lev1_W10	256°	3.5	
u017	u017					3.5	High
u018	u018	B4-0-KDL	Kitchen	Dir u018_Lev0_W2	256°	3.1	
u018	u018	B4-0-KDL	Kitchen	Dir u018_Lev0_W5	76°N	1.7	
u018	u018	B4-0-KDL	Kitchen	Dir u018_Lev0_W6	76°N	2.7	
u018	u018	B4-0-KDL	Kitchen	Dir u018_Lev0_W7	346°N	0	
u018	u018	B4-0-KDL	Kitchen	Dir u018_Lev0_W9	346°N	0	
u018	u018					5.8	Minimum
u018	u018	B4-1-B1	Bedroom	u018_Lev1_W14	76°N	1.8	
u018	u018	B4-1-B1	Bedroom	u018_Lev1_W15	76°N	1.8	
u018	u018					1.8	Medium
u018	u018	B4-1-B2	Bedroom	u018_Lev1_W12	256°	3.5	
u018	u018					3.5	Medium
u018	u018	B4-1-B3	Bedroom	u018_Lev1_W10	256°	3.5	
u018	u018					3.5	High
u019	u019	B4-0-KDL	Kitchen	Dir u019_Lev0_W2	256°	3	
u019	u019	B4-0-KDL	Kitchen	Dir u019_Lev0_W5	76°N	1.6	
u019	u019	B4-0-KDL	Kitchen	Dir u019_Lev0_W6	76°N	2.6	
u019	u019	B4-0-KDL	Kitchen	Dir u019_Lev0_W7	166°	3.1	
u019	u019	B4-0-KDL	Kitchen	Dir u019_Lev0_W9	166°	2.7	
u019	u019					6.9	Minimum
u019	u019	B4-1-B1	Bedroom	u019_Lev1_W14	76°N	1.8	
u019	u019	B4-1-B1	Bedroom	u019_Lev1_W15	76°N	1.8	
u019	u019					1.8	Medium
u019	u019	B4-1-B2	Bedroom	u019_Lev1_W12	256°	3.5	
u019	u019					3.5	Medium
u019	u019	B4-1-B3	Bedroom	u019_Lev1_W10	256°	3.5	
u019	u019					3.5	High
u020	u020	B4-0-KDL	Kitchen	Dir u020_Lev0_W2	256°	3	
u020	u020	B4-0-KDL	Kitchen	Dir u020_Lev0_W5	76°N	1.6	
u020	u020	B4-0-KDL	Kitchen	Dir u020_Lev0_W6	76°N	2.3	
u020	u020	B4-0-KDL	Kitchen	Dir u020_Lev0_W7	346°N	0	
u020	u020	B4-0-KDL	Kitchen	Dir u020_Lev0_W9	346°N	0	
u020	u020					5.5	Minimum
u020	u020	B4-1-B1	Bedroom	u020_Lev1_W14	76°N	1.8	
u020	u020	B4-1-B1	Bedroom	u020_Lev1_W15	76°N	1.8	
u020	u020					1.8	Medium
u020	u020	B4-1-B2	Bedroom	u020_Lev1_W12	256°	3.5	
u020	u020					3.5	Medium
u020	u020	B4-1-B3	Bedroom	u020_Lev1_W10	256°	3.5	
u020	u020					3.5	Medium
u021	u021	B4-0-KDL	Kitchen	Dir u021_Lev0_W2	256°	3.4	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u021	u021	B4-0-KDL	Kitchen - Dir	u021_Lev0_W5	76°N	1.8	High
u021	u021	B4-0-KDL	Kitchen - Dir	u021_Lev0_W6	76°N	2.8	
u021	u021	B4-0-KDL	Kitchen - Dir	u021_Lev0_W7	166°	2.8	
u021	u021	B4-0-KDL	Kitchen - Dir	u021_Lev0_W9	166°	2.4	
u021	u021					7.3	
u021	u021	B4-1-B1	Bedroom	u021_Lev1_W14	76°N	1.8	Minimum
u021	u021	B4-1-B1	Bedroom	u021_Lev1_W15	76°N	1.8	
u021	u021					1.8	
u021	u021	B4-1-B2	Bedroom	u021_Lev1_W12	256°	3.4	Medium
u021	u021					3.4	
u021	u021	B4-1-B3	Bedroom	u021_Lev1_W10	256°	3.2	Medium
u021	u021					3.2	
u022	u022	B4-0-KDL	Kitchen - Dir	u022_Lev0_W2	256°	2.4	High
u022	u022	B4-0-KDL	Kitchen - Dir	u022_Lev0_W5	76°N	1.7	
u022	u022	B4-0-KDL	Kitchen - Dir	u022_Lev0_W6	76°N	2.8	
u022	u022	B4-0-KDL	Kitchen - Dir	u022_Lev0_W7	346°N	0	
u022	u022	B4-0-KDL	Kitchen - Dir	u022_Lev0_W9	346°N	0	
u022	u022					5.2	Minimum
u022	u022	B4-1-B1	Bedroom	u022_Lev1_W14	76°N	1.8	
u022	u022	B4-1-B1	Bedroom	u022_Lev1_W15	76°N	1.8	
u022	u022					1.8	Medium
u022	u022	B4-1-B2	Bedroom	u022_Lev1_W12	256°	3.2	
u022	u022					3.2	Medium
u022	u022	B4-1-B3	Bedroom	u022_Lev1_W10	256°	3.2	
u022	u022					3.2	Minimum
u023	u023	BC1.1-0-O	Home Office	u023_Lev0_W23	346°N	0	
u023	u023	BC1.1-0-O	Home Office	u023_Lev0_W24	256°	2.9	Minimum
u023	u023					2.9	
u023	u023	C1.1-0-KD	Kitchen - Dir	u023_Lev0_W5	76°N	1.8	
u023	u023	C1.1-0-KD	Kitchen - Dir	u023_Lev0_W6	76°N	2.6	Medium
u023	u023	C1.1-0-KD	Kitchen - Dir	u023_Lev0_W16	346°N	0	
u023	u023					2.8	
u023	u023	C1.1-0-L	Living Room	u023_Lev0_W2	256°	3.5	Minimum
u023	u023	C1.1-0-L	Living Room	u023_Lev0_W22	256°	3.1	
u023	u023					3.5	
u023	u023	C1.1-1-B1	Bedroom	u023_Lev1_W15	76°N	1.8	Medium
u023	u023	C1.1-1-B1	Bedroom	u023_Lev1_W21	76°N	1.8	
u023	u023					1.8	
u023	u023	C1.1-1-B2	Bedroom	u023_Lev1_W12	256°	3.5	Medium
u023	u023	C1.1-1-B2	Bedroom	u023_Lev1_W26	346°N	0	
u023	u023					3.5	
u023	u023	C1.1-1-B3	Bedroom	u023_Lev1_W10	256°	3.5	Failed
u023	u023					3.5	
u023	u023	C1.1-1-B4	Bedroom	u023_Lev1_W25	346°N	0	High
u023	u023					0	
u024	u024	B2-0-KD	Kitchen - Dir	u024_Lev0_44_ofl_F	340°N	0	High
u024	u024	B2-0-KD	Kitchen - Dir	u024_Lev0_W17	250°	4.7	
u024	u024					4.7	
u024	u024	B2-0-L	Living Room	u024_Lev0_W1	160°	6.6	High
u024	u024	B2-0-L	Living Room	u024_Lev0_W2	160°	6.5	
u024	u024					6.6	
u024	u024	B2-1-B1	Bedroom	u024_Lev1_W14	250°	3.9	Medium
u024	u024					3.9	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u024	u024	B2-1-B2	Bedroom	u024_Lev1_W12	160°	6.6	High
u024	u024	B2-1-B2	Bedroom	u024_Lev1_W18	250°	3.9	
u024	u024					9.4	
u024	u024	B2-1-B3	Bedroom	u024_Lev1_W10	160°	6.6	High
u024	u024					6.6	
u025	u025	B2-0-KD	Kitchen - Dir	u025_Lev0_44_ofl_F	340°N	0	Minimum
u025	u025	B2-0-KD	Kitchen - Dir	u025_Lev0_W17	70°N	2.5	
u025	u025					2.5	
u025	u025	B2-0-L	Living Room	u025_Lev0_W1	160°	6.6	High
u025	u025	B2-0-L	Living Room	u025_Lev0_W2	160°	6.6	
u025	u025					6.6	
u025	u025	B2-1-B1	Bedroom	u025_Lev1_W14	70°N	1.4	Failed
u025	u025					1.4	
u025	u025	B2-1-B2	Bedroom	u025_Lev1_W12	160°	6.6	High
u025	u025	B2-1-B2	Bedroom	u025_Lev1_W18	70°N	1.4	
u025	u025					6.6	
u025	u025	B2-1-B3	Bedroom	u025_Lev1_W10	160°	6.6	High
u025	u025					6.6	
u026	u026	B2-0-KD	Kitchen - Dir	u026_Lev0_44_ofl_F	340°N	0	Medium
u026	u026	B2-0-KD	Kitchen - Dir	u026_Lev0_W17	250°	3	
u026	u026					3	
u026	u026	B2-0-L	Living Room	u026_Lev0_W1	160°	6.5	High
u026	u026	B2-0-L	Living Room	u026_Lev0_W2	160°	6.4	
u026	u026					6.6	
u026	u026	B2-1-B1	Bedroom	u026_Lev1_W14	250°	3.9	Medium
u026	u026					3.9	
u026	u026	B2-1-B2	Bedroom	u026_Lev1_W12	160°	6.6	High
u026	u026	B2-1-B2	Bedroom	u026_Lev1_W18	250°	3.5	
u026	u026					9	
u026	u026	B2-1-B3	Bedroom	u026_Lev1_W10	160°	6.6	High
u026	u026					6.6	
u027	u027	B2-0-KD	Kitchen - Dir	u027_Lev0_44_ofl_F	340°N	0	Minimum
u027	u027	B2-0-KD	Kitchen - Dir	u027_Lev0_W17	70°N	2.5	
u027	u027					2.5	
u027	u027	B2-0-L	Living Room	u027_Lev0_W1	160°	6.6	High
u027	u027	B2-0-L	Living Room	u027_Lev0_W2	160°	6.6	
u027	u027					6.6	
u027	u027	B2-1-B1	Bedroom	u027_Lev1_W14	70°N	1.4	Failed
u027	u027					1.4	
u027	u027	B2-1-B2	Bedroom	u027_Lev1_W12	160°	6.6	High
u027	u027	B2-1-B2	Bedroom	u027_Lev1_W18	70°N	1.4	
u027	u027					6.6	
u027	u027	B2-1-B3	Bedroom	u027_Lev1_W10	160°	6.6	High
u027	u027					6.6	
u028	u028	B2-0-KD	Kitchen - Dir	u028_Lev0_44_ofl_F	340°N	0	Medium
u028	u028	B2-0-KD	Kitchen - Dir	u028_Lev0_W17	250°	3.1	
u028	u028					3.1	
u028	u028	B2-0-L	Living Room	u028_Lev0_W1	160°	6.6	High
u028	u028	B2-0-L	Living Room	u028_Lev0_W2	160°	6.6	
u028	u028					6.6	
u028	u028	B2-1-B1	Bedroom	u028_Lev1_W14	250°	3.9	Medium
u028	u028					3.9	
u028	u028	B2-1-B2	Bedroom	u028_Lev1_W12	160°	6.6	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u028	u028	B2-1-B2	Bedroom	u028_Lev1_W18	250°	3.6	High
u028	u028					9.1	
u028	u028	B2-1-B3	Bedroom	u028_Lev1_W10	160°	6.6	High
u028	u028					6.6	
u029	u029	B2-0-KD	Kitchen - Dir	u029_Lev0_44_0fl_F	340°N	0	Minimum
u029	u029	B2-0-KD	Kitchen - Dir	u029_Lev0_W17	70°N	2.5	
u029	u029					2.5	
u029	u029	B2-0-L	Living Room	u029_Lev0_W1	160°	6.6	High
u029	u029	B2-0-L	Living Room	u029_Lev0_W2	160°	6.6	
u029	u029					6.6	High
u029	u029	B2-1-B1	Bedroom	u029_Lev1_W14	70°N	1.4	
u029	u029					1.4	Failed
u029	u029	B2-1-B2	Bedroom	u029_Lev1_W12	160°	6.6	
u029	u029	B2-1-B2	Bedroom	u029_Lev1_W18	70°N	1.4	High
u029	u029					6.6	
u029	u029	B2-1-B3	Bedroom	u029_Lev1_W10	160°	6.6	High
u029	u029					6.6	
u030	u030	B2-0-KD	Kitchen - Dir	u030_Lev0_44_0fl_F	340°N	0	Medium
u030	u030	B2-0-KD	Kitchen - Dir	u030_Lev0_W17	250°	3.1	
u030	u030					3.1	
u030	u030	B2-0-L	Living Room	u030_Lev0_W1	160°	6.6	High
u030	u030	B2-0-L	Living Room	u030_Lev0_W2	160°	6.6	
u030	u030					6.6	High
u030	u030	B2-1-B1	Bedroom	u030_Lev1_W14	250°	3.9	
u030	u030					3.9	Medium
u030	u030	B2-1-B2	Bedroom	u030_Lev1_W12	160°	6.6	
u030	u030	B2-1-B2	Bedroom	u030_Lev1_W18	250°	3.6	High
u030	u030					9.1	
u030	u030	B2-1-B3	Bedroom	u030_Lev1_W10	160°	6.6	High
u030	u030					6.6	
u031	u031	B2-0-KD	Kitchen - Dir	u031_Lev0_44_0fl_F	340°N	0	Minimum
u031	u031	B2-0-KD	Kitchen - Dir	u031_Lev0_W17	70°N	2.5	
u031	u031					2.5	
u031	u031	B2-0-L	Living Room	u031_Lev0_W1	160°	6.6	High
u031	u031	B2-0-L	Living Room	u031_Lev0_W2	160°	6.6	
u031	u031					6.6	High
u031	u031	B2-1-B1	Bedroom	u031_Lev1_W14	70°N	1.4	
u031	u031					1.4	Failed
u031	u031	B2-1-B2	Bedroom	u031_Lev1_W12	160°	6.6	
u031	u031	B2-1-B2	Bedroom	u031_Lev1_W18	70°N	1.4	High
u031	u031					6.6	
u031	u031	B2-1-B3	Bedroom	u031_Lev1_W10	160°	6.6	High
u031	u031					6.6	
u032	u032	BC1.2-0-O	Home Office	u032_Lev0_W23	70°N	1.4	High
u032	u032	BC1.2-0-O	Home Office	u032_Lev0_W24	160°	6.6	
u032	u032					6.6	
u032	u032	C1.2-0-KD	Kitchen - Dir	u032_Lev0_W16	70°N	1.4	High
u032	u032	C1.2-0-KD	Kitchen - Dir	u032_Lev0_W29	250°	3.6	
u032	u032	C1.2-0-KD	Kitchen - Dir	u032_Lev0_W30	250°	2.7	
u032	u032					5	High
u032	u032	C1.2-0-L	Living Room	u032_Lev0_W2	160°	6.6	
u032	u032	C1.2-0-L	Living Room	u032_Lev0_W22	160°	6.6	High
u032	u032					6.6	

Flemington Lane CA4 PP1

Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u032	u032	C1.2-1-B1	Bedroom	u032_Lev1_W32	250°	4.3	High
u032	u032	C1.2-1-B1	Bedroom	u032_Lev1_W33	250°	4.3	
u032	u032					4.3	
u032	u032	C1.2-1-B2	Bedroom	u032_Lev1_W12	160°	6.6	High
u032	u032					6.6	
u032	u032	C1.2-1-B3	Bedroom	u032_Lev1_W28	160°	6.6	High
u032	u032					6.6	
u032	u032	C1.2-1-B4	Bedroom	u032_Lev1_W31	70°N	1.4	Failed
u032	u032					1.4	
u033	u033	B3.1-0-KD	Kitchen - Dir	u033_Lev0_W5	71°N	1.1	Minimum
u033	u033	B3.1-0-KD	Kitchen - Dir	u033_Lev0_W6	71°N	2	
u033	u033	B3.1-0-KD	Kitchen - Dir	u033_Lev0_W7	341°N	0	
u033	u033					2.1	Medium
u033	u033	B3.1-0-L	Living Room	u033_Lev0_W2	251°	2.9	
u033	u033	B3.1-0-L	Living Room	u033_Lev0_W8	251°	2.5	
u033	u033	B3.1-0-L	Living Room	u033_Lev0_W9	341°N	0	Medium
u033	u033					3	
u033	u033	B3.1-1-B1	Bedroom	u033_Lev1_W13	341°N	0	Failed
u033	u033					0	
u033	u033	B3.1-1-B2	Bedroom	u033_Lev1_W11	341°N	0	Medium
u033	u033	B3.1-1-B2	Bedroom	u033_Lev1_W12	251°	3.7	
u033	u033					3.7	
u033	u033	B3.1-1-B3	Bedroom	u033_Lev1_W10	251°	3.2	Medium
u033	u033					3.2	
u034	u034	B5-0-KDL	Kitchen - Dir	u034_Lev0_W2	71°N	1.4	High
u034	u034	B5-0-KDL	Kitchen - Dir	u034_Lev0_W5	251°	2.9	
u034	u034	B5-0-KDL	Kitchen - Dir	u034_Lev0_W6	251°	4.2	
u034	u034					5.6	Medium
u034	u034	B5-1-B1	Bedroom	u034_Lev1_W14	251°	3.2	
u034	u034	B5-1-B1	Bedroom	u034_Lev1_W15	251°	3.5	
u034	u034					3.5	Failed
u034	u034	B5-1-B2	Bedroom	u034_Lev1_W12	71°N	1.4	
u034	u034					1.4	Failed
u034	u034	B5-1-B3	Bedroom	u034_Lev1_W10	71°N	1.4	
u034	u034					1.4	High
u035	u035	B5-0-KDL	Kitchen - Dir	u035_Lev0_W2	71°N	0.9	
u035	u035	B5-0-KDL	Kitchen - Dir	u035_Lev0_W5	251°	3.2	
u035	u035	B5-0-KDL	Kitchen - Dir	u035_Lev0_W6	251°	4.3	
u035	u035					5.2	Medium
u035	u035	B5-1-B1	Bedroom	u035_Lev1_W14	251°	3.8	
u035	u035	B5-1-B1	Bedroom	u035_Lev1_W15	251°	3.8	
u035	u035					3.8	Failed
u035	u035	B5-1-B2	Bedroom	u035_Lev1_W12	71°N	1.4	
u035	u035					1.4	Failed
u035	u035	B5-1-B3	Bedroom	u035_Lev1_W10	71°N	1.4	
u035	u035					1.4	High
u036	u036	B3.1-0-KD	Kitchen - Dir	u036_Lev0_W5	251°	2.7	
u036	u036	B3.1-0-KD	Kitchen - Dir	u036_Lev0_W6	251°	3.5	
u036	u036	B3.1-0-KD	Kitchen - Dir	u036_Lev0_W7	161°	2.9	
u036	u036					4.6	High
u036	u036	B3.1-0-L	Living Room	u036_Lev0_W2	71°N	0.8	
u036	u036	B3.1-0-L	Living Room	u036_Lev0_W8	71°N	0.8	
u036	u036	B3.1-0-L	Living Room	u036_Lev0_W9	161°	2	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u036	u036					2.3	Minimum
u036	u036	B3.1-1-B1	Bedroom	u036_Lev1_W14	251°	3.4	Medium
u036	u036					3.4	
u036	u036	B3.1-1-B2	Bedroom	u036_Lev1_W11	161°	5.5	High
u036	u036	B3.1-1-B2	Bedroom	u036_Lev1_W12	71°N	1.4	
u036	u036					5.5	Failed
u036	u036	B3.1-1-B3	Bedroom	u036_Lev1_W10	71°N	1.4	
u036	u036					1.4	Minimum
u037	u037	B1.1-0-KD	Kitchen - Dir	u037_Lev0_44_ofl_F	70°N	0.5	
u037	u037	B1.1-0-KD	Kitchen - Dir	u037_Lev0_44_ofl_F	340°N	0	Medium
u037	u037	B1.1-0-KD	Kitchen - Dir	u037_Lev0_44_ofl_F	70°N	1.8	
u037	u037					1.8	Failed
u037	u037	B1.1-0-L	Living Room	u037_Lev0_W1	250°	3.4	
u037	u037	B1.1-0-L	Living Room	u037_Lev0_W2	250°	3.8	Medium
u037	u037	B1.1-0-L	Living Room	u037_Lev0_W3	340°N	0	
u037	u037					3.9	Failed
u037	u037	B1.1-0-B1	Bedroom	u037_Lev1_W14	340°N	0	
u037	u037	B1.1-0-B1	Bedroom	u037_Lev1_W15	70°N	1.3	Medium
u037	u037	B1.1-0-B1	Bedroom	u037_Lev1_W16	70°N	1.4	
u037	u037					1.4	Medium
u037	u037	B1.1-0-B2	Bedroom	u037_Lev1_W12	250°	3.8	
u037	u037	B1.1-0-B2	Bedroom	u037_Lev1_W13	340°N	0	Medium
u037	u037					3.8	
u037	u037	B1.1-0-B3	Bedroom	u037_Lev1_W10	250°	3.9	Medium
u037	u037					3.9	
u038	u038	B1.1-0-KD	Kitchen - Dir	u038_Lev0_44_ofl_F	70°N	0.5	High
u038	u038	B1.1-0-KD	Kitchen - Dir	u038_Lev0_44_ofl_F	160°	5.8	
u038	u038	B1.1-0-KD	Kitchen - Dir	u038_Lev0_44_ofl_F	70°N	1.6	High
u038	u038					5.8	
u038	u038	B1.1-0-L	Living Room	u038_Lev0_W1	250°	2.9	High
u038	u038	B1.1-0-L	Living Room	u038_Lev0_W2	250°	2.9	
u038	u038	B1.1-0-L	Living Room	u038_Lev0_W3	160°	3.3	High
u038	u038					6	
u038	u038	B1.1-0-B1	Bedroom	u038_Lev1_W14	160°	6.5	High
u038	u038	B1.1-0-B1	Bedroom	u038_Lev1_W15	70°N	1	
u038	u038	B1.1-0-B1	Bedroom	u038_Lev1_W16	70°N	1	High
u038	u038					6.5	
u038	u038	B1.1-0-B2	Bedroom	u038_Lev1_W12	250°	3.5	High
u038	u038	B1.1-0-B2	Bedroom	u038_Lev1_W13	160°	6.6	
u038	u038					9	Medium
u038	u038	B1.1-0-B3	Bedroom	u038_Lev1_W10	250°	3.6	
u038	u038					3.6	Minimum
u039	u039	B1.1-0-KD	Kitchen - Dir	u039_Lev0_44_ofl_F	70°N	1.2	
u039	u039	B1.1-0-KD	Kitchen - Dir	u039_Lev0_44_ofl_F	340°N	0	Medium
u039	u039	B1.1-0-KD	Kitchen - Dir	u039_Lev0_44_ofl_F	70°N	2.1	
u039	u039					2.2	Minimum
u039	u039	B1.1-0-L	Living Room	u039_Lev0_W1	250°	2.9	
u039	u039	B1.1-0-L	Living Room	u039_Lev0_W2	250°	3.4	Medium
u039	u039	B1.1-0-L	Living Room	u039_Lev0_W3	340°N	0	
u039	u039					3.5	Medium
u039	u039	B1.1-0-B1	Bedroom	u039_Lev1_W14	340°N	0	
u039	u039	B1.1-0-B1	Bedroom	u039_Lev1_W15	70°N	1.4	Medium
u039	u039	B1.1-0-B1	Bedroom	u039_Lev1_W16	70°N	1.4	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u039	u039					1.4	Failed
u039	u039	B1.1-0-B2	Bedroom	u039_Lev1_W12	250°	3.8	Medium
u039	u039	B1.1-0-B2	Bedroom	u039_Lev1_W13	340°N	0	
u039	u039					3.8	
u039	u039	B1.1-0-B3	Bedroom	u039_Lev1_W10	250°	3.7	Medium
u039	u039					3.7	
u040	u040	A2_0_KDL	Kitchen - Dir	u040_Lev0_D4	250°	3.1	High
u040	u040	A2_0_KDL	Kitchen - Dir	u040_Lev0_W1	70°N	1.2	
u040	u040	A2_0_KDL	Kitchen - Dir	u040_Lev0_W3	250°	2.4	
u040	u040					4.4	
u040	u040	A2_1_B1	Bedroom	u040_Lev1_411	250°	3	Medium
u040	u040	A2_1_B1	Bedroom	u040_Lev1_W12	250°	3.2	
u040	u040					3.2	
u040	u040	A2_1_B2	Bedroom	u040_Lev1_49	70°N	1.4	Failed
u040	u040	A2_1_B2	Bedroom	u040_Lev1_W10	70°N	1.4	
u040	u040					1.4	Failed
u041	u041	A2_0_KDL	Kitchen - Dir	u041_Lev0_D4	250°	3.2	High
u041	u041	A2_0_KDL	Kitchen - Dir	u041_Lev0_W1	70°N	1.1	
u041	u041	A2_0_KDL	Kitchen - Dir	u041_Lev0_W3	250°	2.6	
u041	u041					4.6	
u041	u041	A2_1_B1	Bedroom	u041_Lev1_411	250°	3	Medium
u041	u041	A2_1_B1	Bedroom	u041_Lev1_W12	250°	3.1	
u041	u041					3.1	
u041	u041	A2_1_B2	Bedroom	u041_Lev1_49	70°N	1.4	Failed
u041	u041	A2_1_B2	Bedroom	u041_Lev1_W10	70°N	0	
u041	u041					1.4	Failed
u042	u042	B1.1-0-KD	Kitchen - Dir	u042_Lev0_44_ofl_F	70°N	1.3	Minimum
u042	u042	B1.1-0-KD	Kitchen - Dir	u042_Lev0_44_ofl_F	160°	1.4	
u042	u042	B1.1-0-KD	Kitchen - Dir	u042_Lev0_44_ofl_F	70°N	2.5	
u042	u042					2.5	
u042	u042	B1.1-0-L	Living Room	u042_Lev0_W1	250°	3.1	Medium
u042	u042	B1.1-0-L	Living Room	u042_Lev0_W2	250°	3.5	
u042	u042	B1.1-0-L	Living Room	u042_Lev0_W3	160°	1	
u042	u042					3.8	Minimum
u042	u042	B1.1-0-B1	Bedroom	u042_Lev1_W14	160°	2	
u042	u042	B1.1-0-B1	Bedroom	u042_Lev1_W15	70°N	1.4	High
u042	u042	B1.1-0-B1	Bedroom	u042_Lev1_W16	70°N	1.4	
u042	u042					2	
u042	u042	B1.1-0-B2	Bedroom	u042_Lev1_W12	250°	3.8	Medium
u042	u042	B1.1-0-B2	Bedroom	u042_Lev1_W13	160°	2.2	
u042	u042					4.9	High
u042	u042	B1.1-0-B3	Bedroom	u042_Lev1_W10	250°	3.2	Medium
u042	u042					3.2	
u043	u043	BC1.1-0-O	Home Office	u043_Lev0_W23	340°N	0	Minimum
u043	u043	BC1.1-0-O	Home Office	u043_Lev0_W24	250°	2.6	
u043	u043					2.6	
u043	u043	C1.1-0-KD	Kitchen - Dir	u043_Lev0_W5	70°N	1.4	Minimum
u043	u043	C1.1-0-KD	Kitchen - Dir	u043_Lev0_W6	70°N	2.5	
u043	u043	C1.1-0-KD	Kitchen - Dir	u043_Lev0_W16	340°N	0	
u043	u043					2.5	Medium
u043	u043	C1.1-0-L	Living Room	u043_Lev0_W2	250°	3.1	
u043	u043	C1.1-0-L	Living Room	u043_Lev0_W22	250°	2.8	Medium
u043	u043					3.1	

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SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u043	u043	C1.1-1-B1	Bedroom	u043_Lev1_W15	70°N	1.4	Failed
u043	u043	C1.1-1-B1	Bedroom	u043_Lev1_W21	70°N	1.4	
u043	u043					1.4	
u043	u043	C1.1-1-B2	Bedroom	u043_Lev1_W12	250°	3.2	Medium
u043	u043	C1.1-1-B2	Bedroom	u043_Lev1_W26	340°N	0	
u043	u043					3.2	
u043	u043	C1.1-1-B3	Bedroom	u043_Lev1_W10	250°	3.3	Medium
u043	u043					3.3	
u043	u043	C1.1-1-B4	Bedroom	u043_Lev1_W25	340°N	0	Failed
u043	u043					0	
u044	u044	BC1.1-0-O	Home Office	u044_Lev0_W23	340°N	0	
u044	u044	BC1.1-0-O	Home Office	u044_Lev0_W24	70°N	1.4	Failed
u044	u044					1.4	
u044	u044	C1.1-0-KD	Kitchen - Dir	u044_Lev0_W5	250°	3.4	
u044	u044	C1.1-0-KD	Kitchen - Dir	u044_Lev0_W6	250°	3.8	High
u044	u044	C1.1-0-KD	Kitchen - Dir	u044_Lev0_W16	340°N	0	
u044	u044					4.3	
u044	u044	C1.1-0-L	Living Room	u044_Lev0_W2	70°N	1.4	Failed
u044	u044	C1.1-0-L	Living Room	u044_Lev0_W22	70°N	1.4	
u044	u044					1.4	
u044	u044	C1.1-1-B1	Bedroom	u044_Lev1_W15	250°	3.7	Medium
u044	u044	C1.1-1-B1	Bedroom	u044_Lev1_W21	250°	3.7	
u044	u044					3.7	
u044	u044	C1.1-1-B2	Bedroom	u044_Lev1_W12	70°N	1.4	Failed
u044	u044	C1.1-1-B2	Bedroom	u044_Lev1_W26	340°N	0	
u044	u044					1.4	
u044	u044	C1.1-1-B3	Bedroom	u044_Lev1_W10	70°N	1.4	Failed
u044	u044					1.4	
u044	u044	C1.1-1-B4	Bedroom	u044_Lev1_W25	340°N	0	Failed
u044	u044					0	
u045	u045	B1.1-0-KD	Kitchen - Dir	u045_Lev0_44_0fl_F	250°	3	
u045	u045	B1.1-0-KD	Kitchen - Dir	u045_Lev0_44_0fl_F	160°	1	High
u045	u045	B1.1-0-KD	Kitchen - Dir	u045_Lev0_44_0fl_F	250°	4.4	
u045	u045					4.4	
u045	u045	B1.1-0-L	Living Room	u045_Lev0_W1	70°N	1.3	Failed
u045	u045	B1.1-0-L	Living Room	u045_Lev0_W2	70°N	1.4	
u045	u045	B1.1-0-L	Living Room	u045_Lev0_W3	160°	1.3	
u045	u045					1.4	High
u045	u045	B1.1-0-B1	Bedroom	u045_Lev1_W14	160°	2.4	
u045	u045	B1.1-0-B1	Bedroom	u045_Lev1_W15	250°	3.8	
u045	u045	B1.1-0-B1	Bedroom	u045_Lev1_W16	250°	3.8	Minimum
u045	u045					5.2	
u045	u045	B1.1-0-B2	Bedroom	u045_Lev1_W12	70°N	1.4	
u045	u045	B1.1-0-B2	Bedroom	u045_Lev1_W13	160°	2.5	Failed
u045	u045					2.6	
u045	u045	B1.1-0-B3	Bedroom	u045_Lev1_W10	70°N	1.4	
u045	u045					1.4	High
u046	u046	A2_0_KDL	Kitchen - Dir	u046_Lev0_D4	70°N	2.1	
u046	u046	A2_0_KDL	Kitchen - Dir	u046_Lev0_W1	250°	3.2	
u046	u046	A2_0_KDL	Kitchen - Dir	u046_Lev0_W3	70°N	1.1	High
u046	u046					5.4	
u046	u046	A2_1_B1	Bedroom	u046_Lev1_411	70°N	1.4	
u046	u046	A2_1_B1	Bedroom	u046_Lev1_W12	70°N	1.4	

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Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u046	u046					1.4	Failed
u046	u046	A2_1_B2	Bedroom	u046_Lev1_49	250°	3.9	Medium
u046	u046	A2_1_B2	Bedroom	u046_Lev1_W10	250°	2.9	
u046	u046					3.9	
u047	u047	A2_0_KDL	Kitchen - Dir	u047_Lev0_D4	70°N	2.1	High
u047	u047	A2_0_KDL	Kitchen - Dir	u047_Lev0_W1	250°	3.2	
u047	u047	A2_0_KDL	Kitchen - Dir	u047_Lev0_W3	70°N	1.1	
u047	u047					5.4	Failed
u047	u047	A2_1_B1	Bedroom	u047_Lev1_411	70°N	1.4	
u047	u047	A2_1_B1	Bedroom	u047_Lev1_W12	70°N	1.4	
u047	u047					1.4	Medium
u047	u047	A2_1_B2	Bedroom	u047_Lev1_49	250°	3.9	
u047	u047	A2_1_B2	Bedroom	u047_Lev1_W10	250°	3.9	
u047	u047					3.9	Medium
u048	u048	B1.1-0-KD	Kitchen - Dir	u048_Lev0_44_ofl_F	250°	3.1	
u048	u048	B1.1-0-KD	Kitchen - Dir	u048_Lev0_44_ofl_F	340°N	0	
u048	u048	B1.1-0-KD	Kitchen - Dir	u048_Lev0_44_ofl_F	250°	3.9	Medium
u048	u048					4	
u048	u048	B1.1-0-L	Living Room	u048_Lev0_W1	70°N	0.9	
u048	u048	B1.1-0-L	Living Room	u048_Lev0_W2	70°N	1.2	Failed
u048	u048	B1.1-0-L	Living Room	u048_Lev0_W3	340°N	0	
u048	u048					1.2	
u048	u048	B1.1-0-B1	Bedroom	u048_Lev1_W14	340°N	0	Medium
u048	u048	B1.1-0-B1	Bedroom	u048_Lev1_W15	250°	3.8	
u048	u048	B1.1-0-B1	Bedroom	u048_Lev1_W16	250°	3.8	
u048	u048					3.8	Failed
u048	u048	B1.1-0-B2	Bedroom	u048_Lev1_W12	70°N	1.4	
u048	u048	B1.1-0-B2	Bedroom	u048_Lev1_W13	340°N	0	
u048	u048					1.4	Failed
u048	u048	B1.1-0-B3	Bedroom	u048_Lev1_W10	70°N	1.4	
u048	u048					1.4	
u049	u049	B1.1-0-KD	Kitchen - Dir	u049_Lev0_44_ofl_F	250°	2.3	High
u049	u049	B1.1-0-KD	Kitchen - Dir	u049_Lev0_44_ofl_F	160°	3	
u049	u049	B1.1-0-KD	Kitchen - Dir	u049_Lev0_44_ofl_F	250°	4	
u049	u049					5.1	Medium
u049	u049	B1.1-0-L	Living Room	u049_Lev0_W1	70°N	0.9	
u049	u049	B1.1-0-L	Living Room	u049_Lev0_W2	70°N	1.1	
u049	u049	B1.1-0-L	Living Room	u049_Lev0_W3	160°	3.4	High
u049	u049					3.4	
u049	u049	B1.1-0-B1	Bedroom	u049_Lev1_W14	160°	5.1	
u049	u049	B1.1-0-B1	Bedroom	u049_Lev1_W15	250°	3.4	High
u049	u049	B1.1-0-B1	Bedroom	u049_Lev1_W16	250°	3.1	
u049	u049					7.4	
u049	u049	B1.1-0-B2	Bedroom	u049_Lev1_W12	70°N	1.4	High
u049	u049	B1.1-0-B2	Bedroom	u049_Lev1_W13	160°	6.6	
u049	u049					6.6	
u049	u049	B1.1-0-B3	Bedroom	u049_Lev1_W10	70°N	1.4	Failed
u049	u049					1.4	
u050	u049	B1.1-0-KD	Kitchen - Dir	u050_Lev0_44_ofl_F	250°	2.1	
u050	u049	B1.1-0-KD	Kitchen - Dir	u050_Lev0_44_ofl_F	340°N	0	Minimum
u050	u049	B1.1-0-KD	Kitchen - Dir	u050_Lev0_44_ofl_F	250°	2.9	
u050	u049					2.9	
u050	u049	B1.1-0-L	Living Room	u050_Lev0_W1	70°N	1.1	

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Assessment:

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Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u050	u049	B1.1-0-L	Living Room	u050_Lev0_W2	70°N	1.2	Failed
u050	u049	B1.1-0-L	Living Room	u050_Lev0_W3	340°N	0	
u050	u049					1.2	
u050	u049	B1.1-0-B1	Bedroom	u050_Lev1_W14	340°N	0	Medium
u050	u049	B1.1-0-B1	Bedroom	u050_Lev1_W15	250°	3.1	
u050	u049	B1.1-0-B1	Bedroom	u050_Lev1_W16	250°	3.1	
u050	u049					3.1	Failed
u050	u049	B1.1-0-B2	Bedroom	u050_Lev1_W12	70°N	1.4	
u050	u049	B1.1-0-B2	Bedroom	u050_Lev1_W13	340°N	0	
u050	u049					1.4	Failed
u050	u049	B1.1-0-B3	Bedroom	u050_Lev1_W10	70°N	1.4	
u050	u049					1.4	
u051	u051	B3.1-0-KD	Kitchen - Dir	u051_Lev0_W5	70°N	1	High
u051	u051	B3.1-0-KD	Kitchen - Dir	u051_Lev0_W6	70°N	2.2	
u051	u051	B3.1-0-KD	Kitchen - Dir	u051_Lev0_W7	160°	4.4	
u051	u051					4.5	High
u051	u051	B3.1-0-L	Living Room	u051_Lev0_W2	250°	3	
u051	u051	B3.1-0-L	Living Room	u051_Lev0_W8	250°	2.8	
u051	u051	B3.1-0-L	Living Room	u051_Lev0_W9	160°	3.1	Failed
u051	u051					5.1	
u051	u051	B3.1-1-B1	Bedroom	u051_Lev1_W14	70°N	1.4	
u051	u051					1.4	High
u051	u051	B3.1-1-B2	Bedroom	u051_Lev1_W11	160°	6.4	
u051	u051	B3.1-1-B2	Bedroom	u051_Lev1_W12	250°	3.6	
u051	u051					9	Medium
u051	u051	B3.1-1-B3	Bedroom	u051_Lev1_W10	250°	3.6	
u051	u051					3.6	
u052	u052	B5-0-KDL	Kitchen - Dir	u052_Lev0_W2	250°	2.8	High
u052	u052	B5-0-KDL	Kitchen - Dir	u052_Lev0_W5	70°N	1.2	
u052	u052	B5-0-KDL	Kitchen - Dir	u052_Lev0_W6	70°N	2.2	
u052	u052					5	Failed
u052	u052	B5-1-B1	Bedroom	u052_Lev1_W14	70°N	1.4	
u052	u052	B5-1-B1	Bedroom	u052_Lev1_W15	70°N	1.4	
u052	u052					1.4	Medium
u052	u052	B5-1-B2	Bedroom	u052_Lev1_W12	250°	3.6	
u052	u052					3.6	
u052	u052	B5-1-B3	Bedroom	u052_Lev1_W10	250°	3.6	Medium
u052	u052					3.6	
u052	u052					3.6	
u053	u053	B5-0-KDL	Kitchen - Dir	u053_Lev0_W2	250°	2.8	High
u053	u053	B5-0-KDL	Kitchen - Dir	u053_Lev0_W5	70°N	1.3	
u053	u053	B5-0-KDL	Kitchen - Dir	u053_Lev0_W6	70°N	2.5	
u053	u053					5.2	Failed
u053	u053	B5-1-B1	Bedroom	u053_Lev1_W14	70°N	1.4	
u053	u053	B5-1-B1	Bedroom	u053_Lev1_W15	70°N	1.4	
u053	u053					1.4	Medium
u053	u053	B5-1-B2	Bedroom	u053_Lev1_W12	250°	3.6	
u053	u053					3.6	
u053	u053	B5-1-B3	Bedroom	u053_Lev1_W10	250°	3.6	Medium
u053	u053					3.6	
u053	u053					3.6	
u054	u054	B3.1-0-KD	Kitchen - Dir	u054_Lev0_W5	250°	2.8	Medium
u054	u054	B3.1-0-KD	Kitchen - Dir	u054_Lev0_W6	250°	3.6	
u054	u054	B3.1-0-KD	Kitchen - Dir	u054_Lev0_W7	340°N	0	
u054	u054					3.7	Medium

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Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u054	u054	B3.1-0-L	Living Room	u054_Lev0_W2	70°N	1.1	Failed
u054	u054	B3.1-0-L	Living Room	u054_Lev0_W8	70°N	1.1	
u054	u054	B3.1-0-L	Living Room	u054_Lev0_W9	340°N	0	
u054	u054					1.1	Failed
u054	u054	B3.1-1-B1	Bedroom	u054_Lev1_W13	340°N	0	
u054	u054					0	
u054	u054	B3.1-1-B2	Bedroom	u054_Lev1_W11	340°N	0	Failed
u054	u054	B3.1-1-B2	Bedroom	u054_Lev1_W12	70°N	1.4	
u054	u054					1.4	
u054	u054	B3.1-1-B3	Bedroom	u054_Lev1_W10	70°N	1.4	Failed
u054	u054					1.4	
u058	u058	B3.1-0-KD	Kitchen - Dir	u058_Lev0_W5	250°	2.6	
u058	u058	B3.1-0-KD	Kitchen - Dir	u058_Lev0_W6	250°	3.9	High
u058	u058	B3.1-0-KD	Kitchen - Dir	u058_Lev0_W7	160°	2.9	
u058	u058					5	
u058	u058	B3.1-0-L	Living Room	u058_Lev0_W2	70°N	0.7	Minimum
u058	u058	B3.1-0-L	Living Room	u058_Lev0_W8	70°N	0.7	
u058	u058	B3.1-0-L	Living Room	u058_Lev0_W9	160°	2.7	
u058	u058					2.7	Medium
u058	u058	B3.1-1-B1	Bedroom	u058_Lev1_W14	250°	3.4	
u058	u058					3.4	
u058	u058	B3.1-1-B2	Bedroom	u058_Lev1_W11	160°	6.6	High
u058	u058	B3.1-1-B2	Bedroom	u058_Lev1_W12	70°N	1.3	
u058	u058					6.6	
u058	u058	B3.1-1-B3	Bedroom	u058_Lev1_W10	70°N	1.3	Failed
u058	u058					1.3	
u059	u059	B1.1-0-KD	Kitchen - Dir	u059_Lev0_44_ofl_F	70°N	0.4	
u059	u059	B1.1-0-KD	Kitchen - Dir	u059_Lev0_44_ofl_F	340°N	0	Failed
u059	u059	B1.1-0-KD	Kitchen - Dir	u059_Lev0_44_ofl_F	70°N	1.4	
u059	u059					1.4	
u059	u059	B1.1-0-L	Living Room	u059_Lev0_W1	250°	2.7	Medium
u059	u059	B1.1-0-L	Living Room	u059_Lev0_W2	250°	2.9	
u059	u059	B1.1-0-L	Living Room	u059_Lev0_W3	340°N	0	
u059	u059					3	Failed
u059	u059	B1.1-0-B1	Bedroom	u059_Lev1_W14	340°N	0	
u059	u059	B1.1-0-B1	Bedroom	u059_Lev1_W15	70°N	1.4	
u059	u059	B1.1-0-B1	Bedroom	u059_Lev1_W16	70°N	1.2	Medium
u059	u059					1.4	
u059	u059	B1.1-0-B2	Bedroom	u059_Lev1_W12	250°	3.8	
u059	u059	B1.1-0-B2	Bedroom	u059_Lev1_W13	340°N	0	Medium
u059	u059					3.8	
u059	u059	B1.1-0-B3	Bedroom	u059_Lev1_W10	250°	3.6	
u059	u059					3.6	High
u060	u060	B1.1-0-KD	Kitchen - Dir	u060_Lev0_44_ofl_F	70°N	0.4	
u060	u060	B1.1-0-KD	Kitchen - Dir	u060_Lev0_44_ofl_F	160°	4.9	
u060	u060	B1.1-0-KD	Kitchen - Dir	u060_Lev0_44_ofl_F	70°N	1.4	
u060	u060					4.9	High
u060	u060	B1.1-0-L	Living Room	u060_Lev0_W1	250°	2.9	
u060	u060	B1.1-0-L	Living Room	u060_Lev0_W2	250°	3.3	
u060	u060	B1.1-0-L	Living Room	u060_Lev0_W3	160°	3.1	High
u060	u060					5.3	
u060	u060	B1.1-0-B1	Bedroom	u060_Lev1_W14	160°	6.2	
u060	u060	B1.1-0-B1	Bedroom	u060_Lev1_W15	70°N	0.8	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u060	u060	B1.1-0-B1	Bedroom	u060_Lev1_W16	70°N	0.8	High
u060	u060					6.2	
u060	u060	B1.1-0-B2	Bedroom	u060_Lev1_W12	250°	3.7	
u060	u060	B1.1-0-B2	Bedroom	u060_Lev1_W13	160°	6.6	High
u060	u060					9.2	
u060	u060	B1.1-0-B3	Bedroom	u060_Lev1_W10	250°	3.6	
u060	u060					3.6	Medium
u061	u061	B1.1-0-KD	Kitchen - Dir	u061_Lev0_44_ofl_F	70°N	1.4	
u061	u061	B1.1-0-KD	Kitchen - Dir	u061_Lev0_44_ofl_F	340°N	0	
u061	u061	B1.1-0-KD	Kitchen - Dir	u061_Lev0_44_ofl_F	70°N	2.5	Minimum
u061	u061					2.5	
u061	u061	B1.1-0-L	Living Room	u061_Lev0_W1	250°	2.5	
u061	u061	B1.1-0-L	Living Room	u061_Lev0_W2	250°	2.5	Minimum
u061	u061	B1.1-0-L	Living Room	u061_Lev0_W3	340°N	0	
u061	u061					2.5	
u061	u061	B1.1-0-B1	Bedroom	u061_Lev1_W14	340°N	0	Failed
u061	u061	B1.1-0-B1	Bedroom	u061_Lev1_W15	70°N	1.4	
u061	u061	B1.1-0-B1	Bedroom	u061_Lev1_W16	70°N	1.4	
u061	u061					1.4	Medium
u061	u061	B1.1-0-B2	Bedroom	u061_Lev1_W12	250°	3	
u061	u061	B1.1-0-B2	Bedroom	u061_Lev1_W13	340°N	0	
u061	u061					3	Medium
u061	u061	B1.1-0-B3	Bedroom	u061_Lev1_W10	250°	3.3	
u061	u061					3.3	
u062	u062	A2_0_KDL	Kitchen - Dir	u062_Lev0_D4	250°	3.3	High
u062	u062	A2_0_KDL	Kitchen - Dir	u062_Lev0_W1	70°N	1.4	
u062	u062	A2_0_KDL	Kitchen - Dir	u062_Lev0_W3	250°	2.5	
u062	u062					4.7	Medium
u062	u062	A2_1_B1	Bedroom	u062_Lev1_411	250°	3.3	
u062	u062	A2_1_B1	Bedroom	u062_Lev1_W12	250°	3.3	
u062	u062					3.3	Failed
u062	u062	A2_1_B2	Bedroom	u062_Lev1_49	70°N	1.4	
u062	u062	A2_1_B2	Bedroom	u062_Lev1_W10	70°N	1.4	
u062	u062					1.4	High
u063	u063	A2_0_KDL	Kitchen - Dir	u063_Lev0_D4	250°	3	
u063	u063	A2_0_KDL	Kitchen - Dir	u063_Lev0_W1	70°N	1.4	
u063	u063	A2_0_KDL	Kitchen - Dir	u063_Lev0_W3	250°	2.3	Medium
u063	u063					4.7	
u063	u063	A2_1_B1	Bedroom	u063_Lev1_411	250°	3.3	
u063	u063	A2_1_B1	Bedroom	u063_Lev1_W12	250°	3.3	Failed
u063	u063					3.3	
u063	u063	A2_1_B2	Bedroom	u063_Lev1_49	70°N	1.4	
u063	u063	A2_1_B2	Bedroom	u063_Lev1_W10	70°N	0.2	Minimum
u063	u063					1.4	
u064	u064	B1.1-0-KD	Kitchen - Dir	u064_Lev0_44_ofl_F	70°N	1.4	
u064	u064	B1.1-0-KD	Kitchen - Dir	u064_Lev0_44_ofl_F	160°	1.4	Medium
u064	u064	B1.1-0-KD	Kitchen - Dir	u064_Lev0_44_ofl_F	70°N	2.5	
u064	u064					2.5	
u064	u064	B1.1-0-L	Living Room	u064_Lev0_W1	250°	2.7	Medium
u064	u064	B1.1-0-L	Living Room	u064_Lev0_W2	250°	3.1	
u064	u064	B1.1-0-L	Living Room	u064_Lev0_W3	160°	1	
u064	u064					3.2	Medium
u064	u064	B1.1-0-B1	Bedroom	u064_Lev1_W14	160°	2.1	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u064	u064	B1.1-0-B1	Bedroom	u064_Lev1_W15	70°N	1.4	Minimum
u064	u064	B1.1-0-B1	Bedroom	u064_Lev1_W16	70°N	1.4	
u064	u064					2.1	
u064	u064	B1.1-0-B2	Bedroom	u064_Lev1_W12	250°	3.3	
u064	u064	B1.1-0-B2	Bedroom	u064_Lev1_W13	160°	2.2	
u064	u064					4.5	High
u064	u064	B1.1-0-B3	Bedroom	u064_Lev1_W10	250°	3	Medium
u064	u064					3	
u065	u065	BC1.1-0-O	Home Office	u065_Lev0_W23	340°N	0	Minimum
u065	u065	BC1.1-0-O	Home Office	u065_Lev0_W24	250°	2.6	
u065	u065					2.6	
u065	u065	C1.1-0-KD	Kitchen - Dir	u065_Lev0_W5	70°N	1.4	
u065	u065	C1.1-0-KD	Kitchen - Dir	u065_Lev0_W6	70°N	2.5	
u065	u065	C1.1-0-KD	Kitchen - Dir	u065_Lev0_W16	340°N	0	Minimum
u065	u065					2.5	
u065	u065	C1.1-0-L	Living Room	u065_Lev0_W2	250°	3.2	Medium
u065	u065	C1.1-0-L	Living Room	u065_Lev0_W22	250°	2.8	
u065	u065					3.2	
u065	u065	C1.1-1-B1	Bedroom	u065_Lev1_W15	70°N	1.4	Failed
u065	u065	C1.1-1-B1	Bedroom	u065_Lev1_W21	70°N	1.4	
u065	u065					1.4	
u065	u065	C1.1-1-B2	Bedroom	u065_Lev1_W12	250°	3.4	Medium
u065	u065	C1.1-1-B2	Bedroom	u065_Lev1_W26	340°N	0	
u065	u065					3.4	Medium
u065	u065	C1.1-1-B3	Bedroom	u065_Lev1_W10	250°	3.4	Medium
u065	u065					3.4	Medium
u065	u065	C1.1-1-B4	Bedroom	u065_Lev1_W25	340°N	0	Failed
u065	u065					0	
u066	u066	B1.1-0-KD	Kitchen - Dir	u066_Lev0_44_0fl_F	70°N	0	Minimum
u066	u066	B1.1-0-KD	Kitchen - Dir	u066_Lev0_44_0fl_F	160°	1.8	
u066	u066	B1.1-0-KD	Kitchen - Dir	u066_Lev0_44_0fl_F	70°N	0	
u066	u066					1.8	
u066	u066	B1.1-0-L	Living Room	u066_Lev0_W1	250°	2.2	
u066	u066	B1.1-0-L	Living Room	u066_Lev0_W2	250°	2.6	High
u066	u066	B1.1-0-L	Living Room	u066_Lev0_W3	160°	3.3	
u066	u066					4.9	
u066	u066	B1.1-0-B1	Bedroom	u066_Lev1_W14	160°	4	Medium
u066	u066	B1.1-0-B1	Bedroom	u066_Lev1_W15	70°N	0	
u066	u066					4	Medium
u066	u066	B1.1-0-B2	Bedroom	u066_Lev1_W12	250°	3.1	High
u066	u066	B1.1-0-B2	Bedroom	u066_Lev1_W13	160°	4.1	
u066	u066					6.1	
u066	u066	B1.1-0-B3	Bedroom	u066_Lev1_W10	250°	3.1	Medium
u066	u066					3.1	
u067	u067	B1.1-0-KD	Kitchen - Dir	u067_Lev0_44_0fl_F	70°N	0	Minimum
u067	u067	B1.1-0-KD	Kitchen - Dir	u067_Lev0_44_0fl_F	340°N	0	
u067	u067	B1.1-0-KD	Kitchen - Dir	u067_Lev0_44_0fl_F	70°N	1.5	
u067	u067					1.5	
u067	u067	B1.1-0-L	Living Room	u067_Lev0_W1	250°	2.1	
u067	u067	B1.1-0-L	Living Room	u067_Lev0_W2	250°	2.4	Minimum
u067	u067	B1.1-0-L	Living Room	u067_Lev0_W3	340°N	0	
u067	u067					2.4	
u067	u067	B1.1-0-B1	Bedroom	u067_Lev1_W14	340°N	0	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u067	u067	B1.1-0-B1	Bedroom	u067_Lev1_W15	70°N	1.4	Failed
u067	u067					1.4	
u067	u067	B1.1-0-B2	Bedroom	u067_Lev1_W12	250°	3.4	
u067	u067	B1.1-0-B2	Bedroom	u067_Lev1_W13	340°N	0	Medium
u067	u067					3.4	
u067	u067	B1.1-0-B3	Bedroom	u067_Lev1_W10	250°	3.1	Medium
u067	u067					3.1	
u068	u068	B3.1-0-KD	Kitchen - Dir	u068_Lev0_W5	70°N	1.1	
u068	u068	B3.1-0-KD	Kitchen - Dir	u068_Lev0_W6	70°N	2.1	
u068	u068	B3.1-0-KD	Kitchen - Dir	u068_Lev0_W7	160°	3.5	
u068	u068					3.5	Medium
u068	u068	B3.1-0-L	Living Room	u068_Lev0_W2	250°	3.1	
u068	u068	B3.1-0-L	Living Room	u068_Lev0_W8	250°	2.8	
u068	u068	B3.1-0-L	Living Room	u068_Lev0_W9	160°	2.2	High
u068	u068					4.3	
u068	u068	B3.1-1-B1	Bedroom	u068_Lev1_W14	70°N	1.4	Failed
u068	u068					1.4	
u068	u068	B3.1-1-B2	Bedroom	u068_Lev1_W11	160°	5	
u068	u068	B3.1-1-B2	Bedroom	u068_Lev1_W12	250°	3.6	
u068	u068					7.5	High
u068	u068	B3.1-1-B3	Bedroom	u068_Lev1_W10	250°	3.6	
u068	u068					3.6	Medium
u069	u069	B5-0-KDL	Kitchen - Dir	u069_Lev0_W2	250°	2.8	
u069	u069	B5-0-KDL	Kitchen - Dir	u069_Lev0_W5	70°N	1.2	
u069	u069	B5-0-KDL	Kitchen - Dir	u069_Lev0_W6	70°N	2.2	
u069	u069					5.1	
u069	u069	B5-1-B1	Bedroom	u069_Lev1_W14	70°N	1.4	High
u069	u069	B5-1-B1	Bedroom	u069_Lev1_W15	70°N	1.4	
u069	u069					1.4	Failed
u069	u069	B5-1-B2	Bedroom	u069_Lev1_W12	250°	3.6	
u069	u069					3.6	Medium
u069	u069	B5-1-B3	Bedroom	u069_Lev1_W10	250°	3.6	
u069	u069					3.6	Medium
u070	u070	B5-0-KDL	Kitchen - Dir	u070_Lev0_W2	250°	2.8	
u070	u070	B5-0-KDL	Kitchen - Dir	u070_Lev0_W5	70°N	1.1	
u070	u070	B5-0-KDL	Kitchen - Dir	u070_Lev0_W6	70°N	2.1	
u070	u070					4.9	
u070	u070	B5-1-B1	Bedroom	u070_Lev1_W14	70°N	1.4	High
u070	u070	B5-1-B1	Bedroom	u070_Lev1_W15	70°N	1.4	
u070	u070					1.4	Failed
u070	u070	B5-1-B2	Bedroom	u070_Lev1_W12	250°	3.6	
u070	u070					3.6	Medium
u070	u070	B5-1-B3	Bedroom	u070_Lev1_W10	250°	3.6	
u070	u070					3.6	Medium
u071	u071	B3.1-0-KD	Kitchen - Dir	u071_Lev0_W5	70°N	1.1	
u071	u071	B3.1-0-KD	Kitchen - Dir	u071_Lev0_W6	70°N	2.1	
u071	u071	B3.1-0-KD	Kitchen - Dir	u071_Lev0_W7	340°N	0	
u071	u071					2.2	
u071	u071	B3.1-0-L	Living Room	u071_Lev0_W2	250°	2.8	Minimum
u071	u071	B3.1-0-L	Living Room	u071_Lev0_W8	250°	2.8	
u071	u071	B3.1-0-L	Living Room	u071_Lev0_W9	340°N	0	
u071	u071					2.8	
u072	u072	B6.1-0-KDL	Kitchen - Dir	u072_Lev0_W2	71°N	1.4	Minimum

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SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u072	u072	B6.1-0-KDL	Kitchen	Dir u072_Lev0_W5	251°	2.5	High
u072	u072	B6.1-0-KDL	Kitchen	Dir u072_Lev0_W6	251°	3.3	
u072	u072	B6.1-0-KDL	Kitchen	Dir u072_Lev0_W16	341°N	0	
u072	u072	B6.1-0-KDL	Kitchen	Dir u072_Lev0_W17	341°N	0	
u072	u072	B6.1-0-KDL	Kitchen	Dir u072_Lev0_W18	341°N	0	
u072	u072					4.8	Medium
u072	u072	B6.1-1-B1	Bedroom	u072_Lev1_W15	251°	3.3	
u072	u072	B6.1-1-B1	Bedroom	u072_Lev1_W19	341°N	0	
u072	u072					3.3	
u072	u072	B6.1-1-B2	Bedroom	u072_Lev1_W12	71°N	1.4	
u072	u072	B6.1-1-B2	Bedroom	u072_Lev1_W20	341°N	0	Failed
u072	u072					1.4	
u072	u072	B6.1-1-B3	Bedroom	u072_Lev1_W10	71°N	1.4	
u072	u072					1.4	
u072	u072					1.4	
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W2	71°N	1.4	High
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W5	251°	2.5	
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W6	251°	3.3	
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W16	161°	2.1	
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W17	161°	2	
u073	u073	B6.2-0-KDL	Kitchen	Dir u073_Lev0_W18	161°	2.9	Failed
u073	u073					6.2	
u073	u073	B6.2-1-B2	Bedroom	u073_Lev1_W12	71°N	1.4	
u073	u073					1.4	
u073	u073	B6.2-1-B3	Bedroom	u073_Lev1_W10	71°N	1.4	
u073	u073					1.4	Failed
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W2	70°N	1.4	
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W5	250°	3.5	
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W6	250°	3.7	
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W16	340°N	0	
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W17	340°N	0	
u074	u074	B6.2-0-KDL	Kitchen	Dir u074_Lev0_W18	340°N	0	High
u074	u074					5.8	
u074	u074	B6.2-1-B1	Bedroom	u074_Lev1_W15	250°	3.4	
u074	u074	B6.2-1-B1	Bedroom	u074_Lev1_W21	250°	3.3	
u074	u074					3.4	
u074	u074	B6.2-1-B2	Bedroom	u074_Lev1_W12	70°N	1.4	Failed
u074	u074					1.4	
u074	u074	B6.2-1-B3	Bedroom	u074_Lev1_W10	70°N	1.4	
u074	u074					1.4	
u074	u074					1.4	
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W2	70°N	1.4	High
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W5	250°	3.7	
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W6	250°	4.1	
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W16	160°	1.6	
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W17	160°	0	
u075	u075	B6.2-0-KDL	Kitchen	Dir u075_Lev0_W18	160°	1.8	Medium
u075	u075					6.4	
u075	u075	B6.2-1-B1	Bedroom	u075_Lev1_W15	250°	3.9	
u075	u075	B6.2-1-B1	Bedroom	u075_Lev1_W21	250°	3.9	
u075	u075					3.9	
u075	u075	B6.2-1-B2	Bedroom	u075_Lev1_W12	70°N	1.4	Failed
u075	u075					1.4	
u075	u075	B6.2-1-B3	Bedroom	u075_Lev1_W10	70°N	1.4	
u075	u075					1.4	
u075	u075					1.4	

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SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u076	u076	C2-0-KD	Kitchen - Dir	u076_Lev0_W6	250°	3.6	Medium
u076	u076					3.6	
u076	u076	C2-0-L	Living Room	u076_Lev0_W2	70°N	1.4	
u076	u076	C2-0-L	Living Room	u076_Lev0_W22	70°N	1.4	
u076	u076					1.4	Failed
u076	u076	C2-1-B1	Bedroom	u076_Lev1_W15	250°	3.6	Medium
u076	u076					3.6	
u076	u076	C2-1-B2	Bedroom	u076_Lev1_W27	250°	3.6	Medium
u076	u076					3.6	
u076	u076	C2-1-B3	Bedroom	u076_Lev1_W28	70°N	1.4	Failed
u076	u076					1.4	
u076	u076	C2-1-B4	Bedroom	u076_Lev1_W12	70°N	1.4	Failed
u076	u076					1.4	
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W2	250°	3.9	High
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W5	70°N	1.1	
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W6	70°N	2.1	
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W16	340°N	0	
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W17	340°N	0	
u098	u098	B6.1-0-KDL	Kitchen - Dir	u098_Lev0_W18	340°N	0	
u098	u098					6	
u098	u098	B6.1-1-B1	Bedroom	u098_Lev1_W15	70°N	1.4	
u098	u098	B6.1-1-B1	Bedroom	u098_Lev1_W19	340°N	0	Failed
u098	u098					1.4	
u098	u098	B6.1-1-B2	Bedroom	u098_Lev1_W12	250°	3.9	Medium
u098	u098	B6.1-1-B2	Bedroom	u098_Lev1_W20	340°N	0	
u098	u098					3.9	Medium
u098	u098	B6.1-1-B3	Bedroom	u098_Lev1_W10	250°	3.9	
u098	u098					3.9	Medium
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W2	250°	3.9	
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W5	70°N	1.3	High
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W6	70°N	2.2	
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W16	160°	2.9	
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W17	160°	2.2	
u099	u099	B6.2-0-KDL	Kitchen - Dir	u099_Lev0_W18	160°	2.3	
u099	u099					7.7	
u099	u099	B6.2-1-B1	Bedroom	u099_Lev1_W15	70°N	1.4	
u099	u099	B6.2-1-B1	Bedroom	u099_Lev1_W21	70°N	1.4	
u099	u099					1.4	Failed
u099	u099	B6.2-1-B2	Bedroom	u099_Lev1_W12	250°	3.9	Medium
u099	u099					3.9	
u099	u099	B6.2-1-B3	Bedroom	u099_Lev1_W10	250°	3.9	Medium
u099	u099					3.9	
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W2	251°	3.8	High
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W5	71°N	1.1	
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W6	71°N	2.2	
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W16	341°N	0	
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W17	341°N	0	
u100	u100	B6.2-0-KDL	Kitchen - Dir	u100_Lev0_W18	341°N	0	
u100	u100					6	
u100	u100	B6.2-1-B1	Bedroom	u100_Lev1_W15	71°N	1.5	
u100	u100	B6.2-1-B1	Bedroom	u100_Lev1_W21	71°N	1.5	Minimum
u100	u100					1.5	
u100	u100	B6.2-1-B2	Bedroom	u100_Lev1_W12	251°	3.8	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u100	u100					3.8	Medium
u100	u100	B6.2-1-B3	Bedroom	u100_Lev1_W10	251°	3.8	Medium
u100	u100					3.8	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W2	251°	3.8	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W5	71°N	1.1	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W6	71°N	2.1	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W16	161°	2.9	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W17	161°	2.3	
u101	u101	B6.2-0-KDL	Kitchen - Dir	u101_Lev0_W18	161°	2.4	
u101	u101					7.7	High
u101	u101	B6.2-1-B1	Bedroom	u101_Lev1_W15	71°N	1.4	Failed
u101	u101	B6.2-1-B1	Bedroom	u101_Lev1_W21	71°N	1.4	
u101	u101					1.4	
u101	u101	B6.2-1-B2	Bedroom	u101_Lev1_W12	251°	3.8	Medium
u101	u101					3.8	
u101	u101	B6.2-1-B3	Bedroom	u101_Lev1_W10	251°	3.8	Medium
u101	u101					3.8	
u102	u102	C2-0-KD	Kitchen - Dir	u102_Lev0_W6	70°N	1.6	Minimum
u102	u102					1.6	
u102	u102	C2-0-L	Living Room	u102_Lev0_W2	250°	3.9	Medium
u102	u102	C2-0-L	Living Room	u102_Lev0_W22	250°	3.9	
u102	u102					3.9	
u102	u102	C2-1-B1	Bedroom	u102_Lev1_W15	70°N	1.4	Failed
u102	u102					1.4	
u102	u102	C2-1-B2	Bedroom	u102_Lev1_W27	70°N	1.4	Failed
u102	u102					1.4	
u102	u102	C2-1-B3	Bedroom	u102_Lev1_W28	250°	3.9	Medium
u102	u102					3.9	
u103	u103	BC1.1-0-O	Home Office	u103_Lev0_W23	160°	5.1	High
u103	u103	BC1.1-0-O	Home Office	u103_Lev0_W24	70°N	0	
u103	u103					5.1	
u104	u104	B3.1-0-KD	Kitchen - Dir	u104_Lev0_W5	250°	2.6	Medium
u104	u104	B3.1-0-KD	Kitchen - Dir	u104_Lev0_W6	250°	3.4	
u104	u104	B3.1-0-KD	Kitchen - Dir	u104_Lev0_W7	340°N	0	
u104	u104					3.5	
u104	u104	B3.1-0-L	Living Room	u104_Lev0_W2	70°N	1.2	
u104	u104	B3.1-0-L	Living Room	u104_Lev0_W8	70°N	1.2	Failed
u104	u104	B3.1-0-L	Living Room	u104_Lev0_W9	340°N	0	
u104	u104					1.2	
u104	u104	B3.1-1-B1	Bedroom	u104_Lev1_W13	340°N	0	Failed
u104	u104					0	
u104	u104	B3.1-1-B2	Bedroom	u104_Lev1_W11	340°N	0	Failed
u104	u104	B3.1-1-B2	Bedroom	u104_Lev1_W12	70°N	1.4	
u104	u104					1.4	
u105	u105	B5-1-B2	Bedroom	u105_Lev1_W12	70°N	1.4	Failed
u105	u105					1.4	
u106	u106	B5-0-KDL	Kitchen - Dir	u106_Lev0_W2	70°N	1.3	High
u106	u106	B5-0-KDL	Kitchen - Dir	u106_Lev0_W5	250°	3.5	
u106	u106	B5-0-KDL	Kitchen - Dir	u106_Lev0_W6	250°	4.5	
u106	u106					6	
u106	u106	B5-1-B1	Bedroom	u106_Lev1_W14	250°	3.9	
u106	u106	B5-1-B1	Bedroom	u106_Lev1_W15	250°	3.7	Medium
u106	u106					3.9	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u106	u106	B5-1-B2	Bedroom	u106_Lev1_W12	70°N	1.4	Failed
u106	u106					1.4	
u106	u106	B5-1-B3	Bedroom	u106_Lev1_W10	70°N	1.4	Failed
u106	u106					1.4	
u107	u107	B4-0-KDL	Kitchen - Dir	u107_Lev0_W2	70°N	1.4	
u107	u107	B4-0-KDL	Kitchen - Dir	u107_Lev0_W5	250°	3.1	
u107	u107	B4-0-KDL	Kitchen - Dir	u107_Lev0_W6	250°	3.4	
u107	u107	B4-0-KDL	Kitchen - Dir	u107_Lev0_W7	160°	1.7	
u107	u107	B4-0-KDL	Kitchen - Dir	u107_Lev0_W9	160°	2.7	
u107	u107					6.5	High
u107	u107	B4-1-B1	Bedroom	u107_Lev1_W14	250°	3.9	
u107	u107	B4-1-B1	Bedroom	u107_Lev1_W15	250°	3.5	
u107	u107					3.9	Medium
u107	u107	B4-1-B2	Bedroom	u107_Lev1_W12	70°N	1.4	Failed
u107	u107					1.4	
u107	u107	B4-1-B3	Bedroom	u107_Lev1_W10	70°N	1.4	Failed
u107	u107					1.4	
u108	u108	B4-0-KDL	Kitchen - Dir	u108_Lev0_W2	70°N	1.3	
u108	u108	B4-0-KDL	Kitchen - Dir	u108_Lev0_W5	250°	3.6	
u108	u108	B4-0-KDL	Kitchen - Dir	u108_Lev0_W6	250°	4.2	
u108	u108	B4-0-KDL	Kitchen - Dir	u108_Lev0_W7	340°N	0	
u108	u108	B4-0-KDL	Kitchen - Dir	u108_Lev0_W9	340°N	0	
u108	u108					6	High
u108	u108	B4-1-B1	Bedroom	u108_Lev1_W14	250°	3.8	
u108	u108	B4-1-B1	Bedroom	u108_Lev1_W15	250°	3.7	
u108	u108					3.8	Medium
u108	u108	B4-1-B2	Bedroom	u108_Lev1_W12	70°N	1.4	Failed
u108	u108					1.4	
u108	u108	B4-1-B3	Bedroom	u108_Lev1_W10	70°N	1.4	Failed
u108	u108					1.4	
u109	u109	B5-0-KDL	Kitchen - Dir	u109_Lev0_W2	70°N	1.4	
u109	u109	B5-0-KDL	Kitchen - Dir	u109_Lev0_W5	250°	3.1	
u109	u109	B5-0-KDL	Kitchen - Dir	u109_Lev0_W6	250°	3.5	
u109	u109					5.4	
u109	u109	B5-1-B1	Bedroom	u109_Lev1_W14	250°	3.9	
u109	u109	B5-1-B1	Bedroom	u109_Lev1_W15	250°	3.5	Medium
u109	u109					3.9	
u109	u109	B5-1-B2	Bedroom	u109_Lev1_W12	70°N	1.4	Failed
u109	u109					1.4	
u109	u109	B5-1-B3	Bedroom	u109_Lev1_W10	70°N	1.4	Failed
u109	u109					1.4	
u111	u111	B3.1-0-KD	Kitchen - Dir	u111_Lev0_W5	250°	2.6	
u111	u111	B3.1-0-KD	Kitchen - Dir	u111_Lev0_W6	250°	3.5	
u111	u111	B3.1-0-KD	Kitchen - Dir	u111_Lev0_W7	160°	2.4	
u111	u111					5	
u111	u111	B3.1-0-L	Living Room	u111_Lev0_W2	70°N	1.4	
u111	u111	B3.1-0-L	Living Room	u111_Lev0_W8	70°N	1.4	High
u111	u111	B3.1-0-L	Living Room	u111_Lev0_W9	160°	4	
u111	u111					4.1	High
u111	u111	B3.1-1-B1	Bedroom	u111_Lev1_W13	160°	5.4	
u111	u111					5.4	High
u111	u111	B3.1-1-B2	Bedroom	u111_Lev1_W11	160°	6.4	
u111	u111	B3.1-1-B2	Bedroom	u111_Lev1_W12	70°N	1.4	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u111	u111					6.4	High
u111	u111	B3.1-1-B3	Bedroom	u111_Lev1_W10	70°N	1.4	Failed
u111	u111					1.4	
u119	u119	A1_1_B1	Bedroom	u119_Lev1_W4	70°N	1.4	
u119	u119	A1_1_B1	Bedroom	u119_Lev1_W5	70°N	1.4	Failed
u119	u119					1.4	
u120	u119	A1_1_B1	Bedroom	u120_Lev1_W4	70°N	1.4	
u120	u119	A1_1_B1	Bedroom	u120_Lev1_W5	70°N	1.4	Failed
u120	u119					1.4	
u120	u119	A1_1_B2	Bedroom	u120_Lev1_W7	250°	3.8	
u120	u119					3.8	Medium
u121	u121	B4-0-KDL	Kitchen - Dir	u121_Lev0_W2	70°N	1.4	
u121	u121	B4-0-KDL	Kitchen - Dir	u121_Lev0_W5	250°	3.9	
u121	u121	B4-0-KDL	Kitchen - Dir	u121_Lev0_W6	250°	4.7	
u121	u121	B4-0-KDL	Kitchen - Dir	u121_Lev0_W7	160°	3.7	High
u121	u121	B4-0-KDL	Kitchen - Dir	u121_Lev0_W9	160°	2.8	
u121	u121					7.9	
u125	u125	B4-1-B1	Bedroom	u125_Lev1_W14	250°	3.9	Medium
u125	u125	B4-1-B1	Bedroom	u125_Lev1_W15	250°	3.9	
u125	u125					3.9	
u125	u125	B4-1-B2	Bedroom	u125_Lev1_W12	70°N	1.4	Failed
u125	u125					1.4	
u125	u125	B4-1-B3	Bedroom	u125_Lev1_W10	70°N	1.4	
u125	u125					1.4	Failed
u126	u126	A2_1_B1	Bedroom	u126_Lev0_W1	166°	6.5	High
u126	u126	A2_1_B1	Bedroom	u126_Lev0_W15	166°	6.5	
u126	u126					6.5	
u126	u126	A3_0_KDL	Kitchen - Dir	u126_Lev0_W13	346°N	0	High
u126	u126	A3_0_KDL	Kitchen - Dir	u126_Lev0_W17	166°	6.5	
u126	u126	A3_0_KDL	Kitchen - Dir	u126_Lev0_W20	346°N	0	
u126	u126	A3_0_KDL	Kitchen - Dir	u126_Lev0_W21	166°	6.5	High
u126	u126					6.5	
u127	u127	A2_1_B1	Bedroom	u127_Lev0_W1	166°	6.5	
u127	u127	A2_1_B1	Bedroom	u127_Lev0_W15	166°	6.5	High
u127	u127					6.5	
u127	u127	A2_1_B2	Bedroom	u127_Lev0_W3	346°N	0	Failed
u127	u127	A2_1_B2	Bedroom	u127_Lev0_W11	346°N	0	
u127	u127					0	
u127	u127	A3_0_KDL	Kitchen - Dir	u127_Lev0_W13	346°N	0	
u127	u127	A3_0_KDL	Kitchen - Dir	u127_Lev0_W17	166°	6.5	
u127	u127	A3_0_KDL	Kitchen - Dir	u127_Lev0_W20	346°N	0	
u127	u127	A3_0_KDL	Kitchen - Dir	u127_Lev0_W21	166°	6.5	High
u127	u127					6.5	
u128	u128	B4-0-KDL	Kitchen - Dir	u128_Lev0_W2	250°	3.6	
u128	u128	B4-0-KDL	Kitchen - Dir	u128_Lev0_W5	70°N	1.4	
u128	u128	B4-0-KDL	Kitchen - Dir	u128_Lev0_W6	70°N	2.2	
u128	u128	B4-0-KDL	Kitchen - Dir	u128_Lev0_W7	160°	6.6	
u128	u128	B4-0-KDL	Kitchen - Dir	u128_Lev0_W9	160°	5.7	High
u128	u128					9.1	
u128	u128	B4-1-B1	Bedroom	u128_Lev1_W14	70°N	1.4	
u128	u128	B4-1-B1	Bedroom	u128_Lev1_W15	70°N	1.4	Failed
u128	u128					1.4	
u128	u128	B4-1-B2	Bedroom	u128_Lev1_W12	250°	3.9	

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Assessment:

Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u128	u128					3.9	Medium
u128	u128	B4-1-B3	Bedroom	u128_Lev1_W10	250°	3.9	Medium
u128	u128					3.9	
u129	u129	B5-0-KDL	Kitchen - Dir	u129_Lev0_W2	250°	3.5	
u129	u129	B5-0-KDL	Kitchen - Dir	u129_Lev0_W5	70°N	1.4	High
u129	u129	B5-0-KDL	Kitchen - Dir	u129_Lev0_W6	70°N	2.5	
u129	u129					5.9	
u129	u129	B5-1-B1	Bedroom	u129_Lev1_W14	70°N	1.4	Failed
u129	u129	B5-1-B1	Bedroom	u129_Lev1_W15	70°N	1.4	
u129	u129					1.4	
u129	u129	B5-1-B2	Bedroom	u129_Lev1_W12	250°	3.9	Medium
u129	u129					3.9	
u129	u129	B5-1-B3	Bedroom	u129_Lev1_W10	250°	3.9	
u129	u129					3.9	Medium
u130	u130	B5-0-KDL	Kitchen - Dir	u130_Lev0_W2	250°	3.5	High
u130	u130	B5-0-KDL	Kitchen - Dir	u130_Lev0_W5	70°N	1.3	
u130	u130	B5-0-KDL	Kitchen - Dir	u130_Lev0_W6	70°N	2.5	
u130	u130					5.9	Failed
u130	u130	B5-1-B1	Bedroom	u130_Lev1_W14	70°N	1.4	
u130	u130	B5-1-B1	Bedroom	u130_Lev1_W15	70°N	1.4	
u130	u130					1.4	Medium
u130	u130	B5-1-B2	Bedroom	u130_Lev1_W12	250°	3.9	
u130	u130					3.9	
u130	u130	B5-1-B3	Bedroom	u130_Lev1_W10	250°	3.9	Medium
u130	u130					3.9	
u131	u131	B5-0-KDL	Kitchen - Dir	u131_Lev0_W2	250°	3.5	
u131	u131	B5-0-KDL	Kitchen - Dir	u131_Lev0_W5	70°N	1.1	High
u131	u131	B5-0-KDL	Kitchen - Dir	u131_Lev0_W6	70°N	2	
u131	u131					5.6	
u131	u131	B5-1-B1	Bedroom	u131_Lev1_W14	70°N	1.4	Failed
u131	u131	B5-1-B1	Bedroom	u131_Lev1_W15	70°N	1.4	
u131	u131					1.4	
u131	u131	B5-1-B2	Bedroom	u131_Lev1_W12	250°	3.9	Medium
u131	u131					3.9	
u131	u131	B5-1-B3	Bedroom	u131_Lev1_W10	250°	3.9	
u131	u131					3.9	Medium
u132	u132	B4-0-KDL	Kitchen - Dir	u132_Lev0_W2	250°	3.9	
u132	u132	B4-0-KDL	Kitchen - Dir	u132_Lev0_W5	70°N	1	
u132	u132	B4-0-KDL	Kitchen - Dir	u132_Lev0_W6	70°N	2	
u132	u132	B4-0-KDL	Kitchen - Dir	u132_Lev0_W7	340°N	0	High
u132	u132	B4-0-KDL	Kitchen - Dir	u132_Lev0_W9	340°N	0	
u132	u132					5.9	
u132	u132	B4-1-B1	Bedroom	u132_Lev1_W14	70°N	1.4	Failed
u132	u132	B4-1-B1	Bedroom	u132_Lev1_W15	70°N	1.4	
u132	u132					1.4	
u132	u132	B4-1-B2	Bedroom	u132_Lev1_W12	250°	3.9	Medium
u132	u132					3.9	
u132	u132	B4-1-B3	Bedroom	u132_Lev1_W10	250°	3.9	
u132	u132					3.9	Medium
u133	u133	BC1.2-0-0	Home Office	u133_Lev0_W23	351°N	0	
u133	u133	BC1.2-0-0	Home Office	u133_Lev0_W24	261°	3.1	
u133	u133					3.1	
u133	u133	C1.2-0-KD	Kitchen - Dir	u133_Lev0_W16	351°N	0	Medium

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Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u133	u133	C1.2-0-KD	Kitchen - Dir	u133_Lev0_W29	171°	7.5	High
u133	u133	C1.2-0-KD	Kitchen - Dir	u133_Lev0_W30	171°	5.9	
u133	u133					7.5	
u133	u133	C1.2-0-L	Living Room	u133_Lev0_W2	261°	3	Medium
u133	u133	C1.2-0-L	Living Room	u133_Lev0_W22	261°	3.1	
u133	u133					3.1	
u133	u133	C1.2-1-B1	Bedroom	u133_Lev1_W32	171°	6.8	High
u133	u133	C1.2-1-B1	Bedroom	u133_Lev1_W33	171°	7.4	
u133	u133					7.4	
u133	u133	C1.2-1-B2	Bedroom	u133_Lev1_W12	261°	3.3	Medium
u133	u133					3.3	
u133	u133	C1.2-1-B3	Bedroom	u133_Lev1_W28	261°	3.3	
u133	u133					3.3	Medium
u133	u133	C1.2-1-B4	Bedroom	u133_Lev1_W31	351°N	0	Failed
u133	u133					0	
u135	u135	B4-0-KDL	Kitchen - Dir	u135_Lev0_W2	250°	3.2	
u135	u135	B4-0-KDL	Kitchen - Dir	u135_Lev0_W5	70°N	1.2	High
u135	u135	B4-0-KDL	Kitchen - Dir	u135_Lev0_W6	70°N	1	
u135	u135	B4-0-KDL	Kitchen - Dir	u135_Lev0_W7	160°	4.9	
u135	u135	B4-0-KDL	Kitchen - Dir	u135_Lev0_W9	160°	5.5	High
u135	u135					8.6	
u135	u135	B4-1-B1	Bedroom	u135_Lev1_W14	70°N	1.4	
u135	u135	B4-1-B1	Bedroom	u135_Lev1_W15	70°N	1.4	Failed
u135	u135					1.4	
u135	u135	B4-1-B2	Bedroom	u135_Lev1_W12	250°	3.9	
u135	u135					3.9	Medium
u135	u135	B4-1-B3	Bedroom	u135_Lev1_W10	250°	3.9	Medium
u135	u135					3.9	
u135	u135					3.9	
u135	u135	C1.2-1-B2	Bedroom	u134_Lev1_W12	240°	4.4	High
u135	u135					4.4	
u136	u136	B5-0-KDL	Kitchen - Dir	u136_Lev0_W2	250°	3.9	
u136	u136	B5-0-KDL	Kitchen - Dir	u136_Lev0_W5	70°N	1.3	High
u136	u136	B5-0-KDL	Kitchen - Dir	u136_Lev0_W6	70°N	2.2	
u136	u136					6.3	
u136	u136	B5-1-B1	Bedroom	u136_Lev1_W14	70°N	1.4	Failed
u136	u136	B5-1-B1	Bedroom	u136_Lev1_W15	70°N	1.4	
u136	u136					1.4	
u136	u136	B5-1-B2	Bedroom	u136_Lev1_W12	250°	3.9	Medium
u136	u136					3.9	
u136	u136	B5-1-B3	Bedroom	u136_Lev1_W10	250°	3.9	
u136	u136					3.9	Medium
u137	u137	B5-0-KDL	Kitchen - Dir	u137_Lev0_W2	250°	3.3	High
u137	u137	B5-0-KDL	Kitchen - Dir	u137_Lev0_W5	70°N	1.4	
u137	u137	B5-0-KDL	Kitchen - Dir	u137_Lev0_W6	70°N	2.5	
u137	u137					5.7	High
u137	u137	B5-1-B1	Bedroom	u137_Lev1_W14	70°N	1.4	
u137	u137	B5-1-B1	Bedroom	u137_Lev1_W15	70°N	1.4	
u137	u137					1.4	Failed
u137	u137	B5-1-B2	Bedroom	u137_Lev1_W12	250°	3.9	Medium
u137	u137					3.9	
u137	u137					3.9	
u137	u137	B5-1-B3	Bedroom	u137_Lev1_W10	250°	3.9	Medium
u137	u137					3.9	
u137	u137					3.9	
u138	u138	B5-0-KDL	Kitchen - Dir	u138_Lev0_W2	250°	3.3	

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Assessment:

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SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u138	u138	B5-0-KDL	Kitchen - Dir	u138_Lev0_W5	70°N	1.3	High
u138	u138	B5-0-KDL	Kitchen - Dir	u138_Lev0_W6	70°N	2.5	
u138	u138					5.7	
u138	u138	B5-1-B1	Bedroom	u138_Lev1_W14	70°N	1.4	Failed
u138	u138	B5-1-B1	Bedroom	u138_Lev1_W15	70°N	1.4	
u138	u138					1.4	
u138	u138	B5-1-B2	Bedroom	u138_Lev1_W12	250°	3.9	Medium
u138	u138					3.9	
u138	u138	B5-1-B3	Bedroom	u138_Lev1_W10	250°	3.9	
u138	u138					3.9	Medium
u139	u139	B5-0-KDL	Kitchen - Dir	u139_Lev0_W2	250°	3.3	High
u139	u139	B5-0-KDL	Kitchen - Dir	u139_Lev0_W5	70°N	1.1	
u139	u139	B5-0-KDL	Kitchen - Dir	u139_Lev0_W6	70°N	2.1	
u139	u139					5.5	Failed
u139	u139	B5-1-B1	Bedroom	u139_Lev1_W14	70°N	1.4	
u139	u139	B5-1-B1	Bedroom	u139_Lev1_W15	70°N	1.4	
u139	u139					1.4	Medium
u139	u139	B5-1-B2	Bedroom	u139_Lev1_W12	250°	3.9	
u139	u139					3.9	
u139	u139	B5-1-B3	Bedroom	u139_Lev1_W10	250°	3.9	Medium
u139	u139					3.9	
u139	u139					3.9	
u140	u140	B3.1-0-KD	Kitchen - Dir	u140_Lev0_W5	70°N	1.1	Minimum
u140	u140	B3.1-0-KD	Kitchen - Dir	u140_Lev0_W6	70°N	2.1	
u140	u140	B3.1-0-KD	Kitchen - Dir	u140_Lev0_W7	340°N	0	
u140	u140					2.2	Medium
u140	u140	B3.1-0-L	Living Room	u140_Lev0_W2	250°	3.4	
u140	u140	B3.1-0-L	Living Room	u140_Lev0_W8	250°	3.3	
u140	u140	B3.1-0-L	Living Room	u140_Lev0_W9	340°N	0	Failed
u140	u140					3.4	
u140	u140	B3.1-1-B1	Bedroom	u140_Lev1_W13	340°N	0	
u140	u140					0	Medium
u140	u140	B3.1-1-B2	Bedroom	u140_Lev1_W11	340°N	0	
u140	u140	B3.1-1-B2	Bedroom	u140_Lev1_W12	250°	3.9	
u140	u140					3.9	Medium
u140	u140	B3.1-1-B3	Bedroom	u140_Lev1_W10	250°	3.9	
u140	u140					3.9	
u141	u141	BC1.2-0-O	Home Office	u141_Lev0_W23	250°	3.9	High
u141	u141	BC1.2-0-O	Home Office	u141_Lev0_W24	160°	6.6	
u141	u141					9.4	
u141	u141	C1.2-0-KD	Kitchen - Dir	u141_Lev0_W16	250°	3.9	High
u141	u141	C1.2-0-KD	Kitchen - Dir	u141_Lev0_W29	70°N	2.8	
u141	u141	C1.2-0-KD	Kitchen - Dir	u141_Lev0_W30	70°N	2	
u141	u141					6.7	High
u141	u141	C1.2-0-L	Living Room	u141_Lev0_W2	160°	6.6	
u141	u141	C1.2-0-L	Living Room	u141_Lev0_W22	160°	6.6	
u141	u141					6.6	Minimum
u141	u141	C1.2-1-B1	Bedroom	u141_Lev1_W32	70°N	2	
u141	u141	C1.2-1-B1	Bedroom	u141_Lev1_W33	70°N	2	
u141	u141					2	High
u141	u141	C1.2-1-B2	Bedroom	u141_Lev1_W12	160°	6.6	
u141	u141					6.6	
u141	u141	C1.2-1-B3	Bedroom	u141_Lev1_W28	160°	6.6	High
u141	u141					6.6	

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Sunlight

SE Sunlight Exposure by Habitable Room by Window

Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u141	u141	C1.2-1-B4	Bedroom	u141_Lev1_W31	250°	3.9	Medium
u141	u141					3.9	
u142	u142	B2-0-KD	Kitchen - Dir	u142_Lev0_44_ofl_F	340°N	0	Medium
u142	u142	B2-0-KD	Kitchen - Dir	u142_Lev0_W17	250°	3.1	
u142	u142					3.1	
u142	u142	B2-0-L	Living Room	u142_Lev0_W1	160°	6.6	High
u142	u142	B2-0-L	Living Room	u142_Lev0_W2	160°	6.6	
u142	u142					6.6	
u142	u142	B2-1-B1	Bedroom	u142_Lev1_W14	250°	3.9	Medium
u142	u142					3.9	
u142	u142	B2-1-B2	Bedroom	u142_Lev1_W12	160°	6.6	High
u142	u142	B2-1-B2	Bedroom	u142_Lev1_W18	250°	3.7	
u142	u142					9.2	
u142	u142	B2-1-B3	Bedroom	u142_Lev1_W10	160°	6.6	High
u142	u142					6.6	
u143	u143	B2-0-KD	Kitchen - Dir	u143_Lev0_44_ofl_F	340°N	0	Minimum
u143	u143	B2-0-KD	Kitchen - Dir	u143_Lev0_W17	70°N	2.5	
u143	u143					2.5	
u143	u143	B2-0-L	Living Room	u143_Lev0_W1	160°	6.6	High
u143	u143	B2-0-L	Living Room	u143_Lev0_W2	160°	6.6	
u143	u143					6.6	
u143	u143	B2-1-B1	Bedroom	u143_Lev1_W14	70°N	1.4	Failed
u143	u143					1.4	
u143	u143	B2-1-B2	Bedroom	u143_Lev1_W12	160°	6.6	High
u143	u143	B2-1-B2	Bedroom	u143_Lev1_W18	70°N	1.4	
u143	u143					6.6	
u143	u143	B2-1-B3	Bedroom	u143_Lev1_W10	160°	6.6	High
u143	u143					6.6	
u144	u144	B2-0-L	Living Room	u144_Lev0_W1	160°	6.6	High
u144	u144	B2-0-L	Living Room	u144_Lev0_W2	160°	6.6	
u144	u144					6.6	
u144	u144	B2-1-B1	Bedroom	u144_Lev1_W14	250°	3.9	Medium
u144	u144					3.9	
u144	u144	B2-1-B2	Bedroom	u144_Lev1_W12	160°	6.6	High
u144	u144	B2-1-B2	Bedroom	u144_Lev1_W18	250°	3.7	
u144	u144					9.2	
u144	u144	B2-1-B3	Bedroom	u144_Lev1_W10	160°	6.6	High
u144	u144					6.6	
u145	u145	B2-0-KD	Kitchen - Dir	u145_Lev0_44_ofl_F	340°N	0	Minimum
u145	u145	B2-0-KD	Kitchen - Dir	u145_Lev0_W17	70°N	2.5	
u145	u145					2.5	
u145	u145	B2-0-L	Living Room	u145_Lev0_W1	160°	6.6	High
u145	u145	B2-0-L	Living Room	u145_Lev0_W2	160°	6.6	
u145	u145					6.6	
u145	u145	B2-1-B1	Bedroom	u145_Lev1_W14	70°N	1.4	Failed
u145	u145					1.4	
u145	u145	B2-1-B3	Bedroom	u145_Lev1_W10	160°	6.6	High
u145	u145					6.6	
u146	u146	B2-0-KD	Kitchen - Dir	u146_Lev0_44_ofl_F	340°N	0	Medium
u146	u146	B2-0-KD	Kitchen - Dir	u146_Lev0_W17	250°	3.2	
u146	u146					3.2	
u146	u146	B2-0-L	Living Room	u146_Lev0_W1	160°	6.6	
u146	u146	B2-0-L	Living Room	u146_Lev0_W2	160°	6.5	

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Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u146	u146					6.6	High
u146	u146	B2-1-B1	Bedroom	u146_Lev1_W14	250°	3.9	Medium
u146	u146					3.9	
u146	u146	B2-1-B2	Bedroom	u146_Lev1_W12	160°	6.6	High
u146	u146	B2-1-B2	Bedroom	u146_Lev1_W18	250°	3.7	
u146	u146					9.2	Minimum
u147	u147	B2-0-KD	Kitchen - Dir u147_Lev0_44_ofl_F	340°N		0	
u147	u147	B2-0-KD	Kitchen - Dir u147_Lev0_W17	70°N		2.5	High
u147	u147					2.5	
u147	u147	B2-0-L	Living Room	u147_Lev0_W1	160°	6.6	Failed
u147	u147	B2-0-L	Living Room	u147_Lev0_W2	160°	6.6	
u147	u147					6.6	High
u147	u147	B2-1-B1	Bedroom	u147_Lev1_W14	70°N	1.4	
u147	u147					1.4	High
u147	u147	B2-1-B2	Bedroom	u147_Lev1_W12	160°	6.6	
u147	u147	B2-1-B2	Bedroom	u147_Lev1_W18	70°N	1.4	High
u147	u147					6.6	
u134	u134	BC1.2-0-O	Home Office	u134_Lev0_W23	150°	6	High
u134	u134	BC1.2-0-O	Home Office	u134_Lev0_W24	240°	4.4	
u134	u134					9.4	High
u134	u134	C1.2-0-KD	Kitchen - Dir u134_Lev0_W16	150°		6	
u134	u134	C1.2-0-KD	Kitchen - Dir u134_Lev0_W29	330°N		0	High
u134	u134	C1.2-0-KD	Kitchen - Dir u134_Lev0_W30	330°N		0	
u134	u134					6	High
u134	u134	C1.2-0-L	Living Room	u134_Lev0_W2	240°	3.8	
u134	u134	C1.2-0-L	Living Room	u134_Lev0_W22	240°	4.1	High
u134	u134					4.1	
u134	u134	C1.2-1-B1	Bedroom	u134_Lev1_W32	330°N	0	Failed
u134	u134	C1.2-1-B1	Bedroom	u134_Lev1_W33	330°N	0	
u134	u134					0	High
u134	u134	C1.2-1-B3	Bedroom	u134_Lev1_W28	240°	4.4	
u134	u134					4.4	High
u134	u134	C1.2-1-B4	Bedroom	u134_Lev1_W31	150°	6	
u134	u134					6	High
u055	u055	B3.1-0-KD	Kitchen - Dir u055_Lev0_W5	70°N		1	
u055	u055	B3.1-0-KD	Kitchen - Dir u055_Lev0_W6	70°N		2	Minimum
u055	u055	B3.1-0-KD	Kitchen - Dir u055_Lev0_W7	340°N		0	
u055	u055					2.1	Minimum
u055	u055	B3.1-0-L	Living Room	u055_Lev0_W2	250°	2.6	
u055	u055	B3.1-0-L	Living Room	u055_Lev0_W8	250°	2.6	Minimum
u055	u055	B3.1-0-L	Living Room	u055_Lev0_W9	340°N	0	
u055	u055					2.6	Failed
u055	u055	B3.1-1-B1	Bedroom	u055_Lev1_W13	340°N	0	
u055	u055					0	Medium
u055	u055	B3.1-1-B2	Bedroom	u055_Lev1_W11	340°N	0	
u055	u055	B3.1-1-B2	Bedroom	u055_Lev1_W12	250°	3.4	Medium
u055	u055					3.4	
u055	u055	B3.1-1-B3	Bedroom	u055_Lev1_W10	250°	3.4	Medium
u055	u055					3.4	
u056	u056	B5-0-KDL	Kitchen - Dir u056_Lev0_W2	70°N		1.3	High
u056	u056	B5-0-KDL	Kitchen - Dir u056_Lev0_W5	250°		2.6	
u056	u056	B5-0-KDL	Kitchen - Dir u056_Lev0_W6	250°		3.4	High
u056	u056					4.7	

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Standard: BS EN 17037

Assessment Subject Spaces						Result	Test
Building Ref	Unit No	Room Ref	Room Use	Window Ref	Window Orientation	SE Result (Hours) by window	SE Room Rating
u056	u056	B5-1-B1	Bedroom	u056_Lev1_W14	250°	3.4	Medium
u056	u056	B5-1-B1	Bedroom	u056_Lev1_W15	250°	3.4	
u056	u056					3.4	
u056	u056	B5-1-B2	Bedroom	u056_Lev1_W12	70°N	1.4	Failed
u056	u056					1.4	
u056	u056	B5-1-B3	Bedroom	u056_Lev1_W10	70°N	1.4	Failed
u056	u056					1.4	
u057	u057	B5-0-KDL	Kitchen - Dir	u057_Lev0_W2	70°N	0.7	High
u057	u057	B5-0-KDL	Kitchen - Dir	u057_Lev0_W5	250°	2.6	
u057	u057	B5-0-KDL	Kitchen - Dir	u057_Lev0_W6	250°	3.4	
u057	u057					4.2	Medium
u057	u057	B5-1-B1	Bedroom	u057_Lev1_W14	250°	3.4	
u057	u057	B5-1-B1	Bedroom	u057_Lev1_W15	250°	3.4	
u057	u057					3.4	Failed
u057	u057	B5-1-B2	Bedroom	u057_Lev1_W12	70°N	1.4	
u057	u057					1.4	Failed
u057	u057	B5-1-B3	Bedroom	u057_Lev1_W10	70°N	1.3	
u057	u057					1.3	High
u110	u110	B5-0-KDL	Kitchen - Dir	u110_Lev0_W2	70°N	1.4	
u110	u110	B5-0-KDL	Kitchen - Dir	u110_Lev0_W5	250°	2.6	
u110	u110	B5-0-KDL	Kitchen - Dir	u110_Lev0_W6	250°	3.4	
u110	u110					4.8	Medium
u110	u110	B5-1-B1	Bedroom	u110_Lev1_W14	250°	3.4	
u110	u110	B5-1-B1	Bedroom	u110_Lev1_W15	250°	3.4	
u110	u110					3.4	Failed
u110	u110	B5-1-B2	Bedroom	u110_Lev1_W12	70°N	1.4	
u110	u110					1.4	Failed
u110	u110	B5-1-B3	Bedroom	u110_Lev1_W10	70°N	1.4	
u110	u110					1.4	Failed
u122	u122	B4-0-KDL	Kitchen - Dir	u122_Lev0_W2	70°N	1.4	
u122	u122	B4-0-KDL	Kitchen - Dir	u122_Lev0_W7	340°N	0	
u122	u122	B4-0-KDL	Kitchen - Dir	u122_Lev0_W9	340°N	0	
u122	u122					1.4	Failed
u122	u122	B4-1-B3	Bedroom	u122_Lev1_W10	70°N	1.4	
u122	u122					1.4	Failed
u123	u123	A1_0_L	Living Room	u123_Lev0_w1	70°N	1.4	
u123	u123					1.4	Failed
u124	u124	A1_0_L	Living Room	u124_Lev0_w1	70°N	1.4	
u124	u124					1.4	Failed

end