

RIGHT OF LIGHT CONSULTING Chartered Surveyors

# Daylight and Sunlight Report

(Within Development)

22 July 2024

68 and 70 Keymer Road West Sussex BN6 8QP



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DAYLIGHT AND SUNLIGHT REPORT 68 and 70 Keymer Road, West Sussex BN6 8QP

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## 1 EXECUTIVE SUMMARY

#### 1.1 Overview

- 1.1.1 Right of Light Consulting has been commissioned by Churchill Retirement Ltd to undertake a daylight and sunlight assessment in connection with the development at 68 and 70 Keymer Road, West Sussex BN6 8QP
- 1.1.2 The aim of the assessment is to check whether the proposed accommodation will provide its future occupiers with adequate levels of natural light.
- 1.1.3 The assessment is based on the numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a good practice guide, 3<sup>rd</sup> Edition' by P J Littlefair 2022.
- 1.1.4 Appendix 1 identifies the windows and amenity areas analysed in this assessment. Daylight provision data and contours for the habitable rooms are presented in Appendix
  2. Exposure to sunlight data is provided in Appendix 3. Overshadowing to gardens and opens spaces data and contour drawings are provided in Appendix 4.
- 1.1.5 The numerical results demonstrate that the majority of the proposed rooms meet or surpass the BRE recommendations. Whilst not all rooms meet the recommendations, the BRE guide explains that the numerical guidelines should be interpreted flexibly, since natural lighting is only one of many factors in site layout design.

## 2 INFORMATION SOURCES

#### 2.1 Documents Considered

# 2.1.1 This report is based on the following drawings:

#### D&H Surveys Ltd

SU 01	68 & 70 First Floor & 70 Elevations	Rev -
SU 01	68 & 70 Ground Floor & 68 Elevations	Rev -
SU 01	No 70 Second Floor	Rev -
SU 01	Topographic Survey	Rev -

#### Planning Issues

23 SE013_GF_001	Site Plan Grey File	Rev P2
20090HK_PL_002	SITE PLAN	Rev P3
20090HK_PL_003	GROUND FLOOR PLAN	Rev P3
20090HK_PL_004	FIRST FLOOR PLAN	Rev P3
20090HK_PL_005	SECOND FLOOR PLAN	Rev P3
20090HK_PL_006	ROOF PLAN	Rev P3
20090HK_PL_007	ELEVATION AA & STREET SCENE	Rev P2
20090HK_PL_008	ELEVATION BB & CC	Rev P3
20090HK_PL_009	ELEVATION DD	Rev P3
20090HK_PL_011	SITE SECTIONS SHEET 1 PLANNING	Rev P2
20090HK_PL_012	SITE SECTIONS SHEET 2 PLANNING	Rev P2
20090HK_PL_013	SITE SECTIONS SHEET 3 PLANNING	Rev P2
20090HK_PL_014	SITE SECTIONS SHEET 4 PLANNING	Rev P3

## 3 METHODOLOGY OF THE ASSESSMENT

#### 3.1 Local Planning Policy

- 3.1.1 We understand that the Local Authority takes the conventional approach of considering daylight and sunlight amenity with reference to the various numerical tests laid down in the Building Research Establishment (BRE) guide 'Site Layout Planning for Daylight and Sunlight: a guide to good practice, 3<sup>rd</sup> Edition' by P J Littlefair 2022. The BRE guide is based on European standard BS EN 17037 'Daylight in Buildings', 2019 (BS EN 17037).
- 3.1.2 The standards set out in the BRE guide are intended to be used flexibly. The BRE guide states:
- 3.1.3 "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."
- 3.1.4 In reference to applying different numerical target values in different locations, the BRE guide states:
- 3.1.5 "These values are purely advisory and different targets may be used based on the special requirements of the proposed development or its location."

## 3.2 National Planning Policy Framework

3.2.1 The BRE numerical guidelines should be considered in the context of the National Planning Policy Framework (NPPF), which stipulates that local planning authorities should take a flexible approach to daylight and sunlight to ensure the efficient use of land. The NPPF states:

"Local planning authorities should refuse applications which they consider fail to make efficient use of land, taking into account the policies in this Framework. In this context, when considering applications for housing, authorities should take a flexible approach in applying policies or guidance relating to daylight and sunlight, where they would otherwise inhibit making efficient use of a site (as long as the resulting scheme would provide acceptable living standards)."

#### 3.3 National Planning Practice Guidance

3.3.1 The BRE numerical guidelines should also be considered in the context of the National Planning Practice Guidance (NPPG). The NPPG states that developments should maintain acceptable living standards. It goes on to explain that what this means in practice is that appropriate levels of sunlight and daylight, will depend to some extent on the context for the development. This is consistent with the BRE guide which as noted in paragraphs 3.1.4 to 3.1.5 above, states that site location is a relevant factor when setting sunlight and daylight targets.

#### 3.4 Interior Daylighting

- 3.4.1 The BRE guide recommends that interior daylighting is checked using the daylight provision test set out in BS EN 17037. The test measures both the amount of daylight, as well as the distribution of daylight within a room. The test is applied to habitable rooms such as living rooms and bedrooms. A kitchen is generally deemed to be a habitable room if it is large enough to accommodate a dining area. If the kitchen is small and is solely used for cooking purposes, then the accepted practice is to treat the kitchen as a non-habitable room. The BRE guide recommends that if the layout means that a small internal kitchen is inevitable, it should be directly linked to a well daylit room.
- 3.4.2 The assessment is carried out using a grid of points on a horizontal reference plane in each room. In accordance with the BRE recommendations, we have set the reference plane at 850mm above the floor and have excluded assessment points from a 0.3m wide band around the perimeter of each room.
- 3.4.3 The UK National Annex to BS EN 17037 gives UK specific minimum illuminance recommendations which we have set as the targets for this project. The targets comprise of 100 lux in bedrooms, 150 lux in living rooms and 200 lux in kitchens to be exceeded over at least 50% of the reference plane.
- 3.4.4 Where a room has a shared use, the highest target should apply. However, the BRE guide explains that local authorities could use discretion here. The guide gives the

example where the target for a living room could be used for a combined living/dining/kitchen area if the kitchens are not treated as habitable spaces, as it may avoid small separate kitchens in a design.

- 3.4.5 In the case of the proposed development, it has not been possible to achieve the 200 lux target for all living/dining/kitchen areas. One solution to this issue would have been to subdivide off the kitchens to make non-habitable non-daylit kitchens, which would not have a requirement for daylight. However, in our opinion this would result in a lower quality of accommodation. Therefore, we have instead applied a 150 lux target to the living/dining/kitchen areas as per the example given in the BRE guide. In our opinion, the 150 lux target is justified as it avoids separate small non-daylit kitchens and results in an overall better standard of accommodation.
- 3.4.6 The data in Appendix 2 includes the lux target we have assigned to each room, together with the percentage of the reference plane that meets the target. The median illuminance (lux) achieved for each room is also presented. Where the median illuminance exceeds the lux target, this means the lux target has been achieved over at least 50% of the assessment grid.
- 3.4.7 The daylight provision test may be carried out using either the daylight factor method, or the interior illuminance method. For the purpose of this assessment, we have adopted the daylight factor method. Using the conversion table set out in the BRE guide, we have expressed the results in terms of lux.
- 3.4.8 Since the assessment is based on a computer simulation, it is necessary to set various surface reflectance values. For example, a 0.6 reflectance means that 60% of the light hitting the surface will be reflected. The BRE guide states that it is necessary to make an allowance for the deterioration of surface finishes. Furniture within the rooms will also have an impact on daylight provision. Since the computer model used in the simulation does not include furniture, the BRE guide recommends that an allowance for this is also made within the reflectance values. For this reason, we have set out below, both the manufacturer's reflectance values, and the values used in the simulation. The simulation values include allowances for furniture and the deterioration of the surfaces. Should product substitutions be required, products with equal reflectance values should be chosen to ensure the daylight results presented in this report are achieved.

Surface	Product	Product Reflectance	Simulation Reflectance
Interior walls	Dulux Light & Space Absolute White	0.93	0.8
Ceilings	Dulux Light & Space Absolute White	0.93	0.8
Floors	Kahrs engineered wood (Ash Coral)	0.62	0.4
Development cladding	BRE default value	n/a	0.2
Balcony floors	Portland stone	0.6	0.5
Balcony soffits	Dulux Weathershield Brilliant White	0.92	0.6
Neighbouring buildings	BRE default value	n/a	0.2
Mirror	Generic value	n/a	0.95
Glass	Generic value	n/a	0.1
Exterior ground	BRE default value	n/a	0.2

3.4.9 The simulation is based on double-glazed windows with a glazed area that equates to 80% of the structural opening size. The glazing consists of a Pilkington 4mm Optifloat Clear outer pane and a Pilkington 6.4mm OptiLam K Glass S inner pane, which has an overall manufacturer's direct transmittance of 0.82. In accordance with the BRE guide, the simulation includes maintenance factors to allow for the effect of dirt on the glazing.

#### 3.5 Exposure to Sunlight

- 3.5.1 The BRE guide states that the main requirement for sunlight is in living rooms, where it is valued at any time of day but especially in the afternoon. Sunlight is also required in conservatories. It is viewed as less important in bedrooms and in kitchens, where people prefer it in the morning rather than the afternoon.
- 3.5.2 The BRE guide states that, in general, a dwelling will appear reasonably sunlit provided:
  - at least one main window wall faces within 90 degrees of due south, and
  - a habitable room, preferably a main living room, can receive a total of at least
    1.5 hours of sunlight on 21 March.
- 3.5.3 The guide states that, where groups of dwellings are planned, site layout design should aim to maximise the number of dwellings with a main living room that meets the above recommendations.

#### 3.6 Overshadowing to Gardens and Open Spaces

- 3.6.1 The availability of sunlight should be checked for all open spaces where sunlight is required. This would normally include:
  - Gardens, usually the main back garden of a house
  - Parks and playing fields

- Children's playgrounds
- Outdoor swimming pools and paddling pools
- Sitting out areas, such as those between non-domestic buildings and in public squares
- Focal points for views such as a group of monuments or fountains.
- 3.6.2 The BRE guide recommends that, for an open space to appear adequately lit throughout the year, at least 50% of its area should receive two hours of sunlight on 21 March.

#### 3.7 Trees and Hedges

- 3.7.1 Appendix G of the BRE guide gives guidance on trees and hedges. The guide states that trees and hedges vary in their effects on skylight and sunlight and most tree species will cast partial shade.
- 3.7.2 In accordance with the BRE guide, we have factored the transparency and reflectance characteristics of any nearby trees and hedges into the daylight and sunlight calculations. Tables G1 and G2 in Appendix G of the BRE guide outline the transparency and reflectance values for a number of common tree types, which we used as a basis for our assessment.
- 3.7.3 When applying the daylight provision test to a property which has deciduous trees surrounding it, the calculations are repeated for summer and winter conditions. In the winter, when the tree crown has a much higher transparency, more light is able to penetrate through the branches. Therefore, in the winter daylight provision is usually higher than in the summer when the tree is in full bloom.
- 3.7.4 The BRE guide notes that, if the recommended daylight provision targets are exceeded in both summer and winter, then daylight would be considered adequate. The guide adds that, for a room where the minimum value is exceeded in winter but not in summer, daylight provision year-round is still likely to be adequate, but it is clear that the trees are having some effect on daylight.
- 3.7.5 The BRE guide recommends that where trees may affect exposure to sunlight, the calculations should first be carried out with deciduous trees treated as opaque objects. The calculations should then be repeated without deciduous trees entirely. This gives

the range of potential sunlight hours. Evergreen trees and hedges should also always be assessed as opaque objects.

- 3.7.6 If the minimum recommendation is met with opaque trees, then sunlight would be adequate. If the minimum recommendation is not reached with either opaque trees or no trees, then sunlight would be considered inadequate. For a room where the recommendation is exceeded without trees, but not with opaque trees, sunlight provision may be adequate, but the trees will have some effect on the sunlight received.
- 3.7.7 For the gardens and open spaces test, the guides states that trees and shrubs are not normally included in the calculation unless a dense belt or group of evergreens is specifically planned as a windbreak or for privacy purposes. This is partly because the dappled shade of a tree is more pleasant than the deep shadow of a building. For the purpose of our assessment, we have therefore discounted the overshadowing effect of deciduous trees.

## 4 RESULTS OF THE ASSESSMENT

#### 4.1 Windows and Amenity Areas Analysed

- 4.1.1 Appendix 1 identifies the windows serving habitable rooms analysed in this assessment.
- 4.1.2 We have also identified the outdoor amenity areas that have been assessed.

#### 4.2 Interior Daylighting

- 4.2.1 Daylight provision data and contours for the habitable rooms are presented in Appendix2.
- 4.2.2 The results confirm that a number of rooms fall short of the daylight provision targets during the summer. However, the BRE guide explains that providing the targets are met in the winter months, daylight year-round is likely to be adequate. In this case, around 80% of all habitable rooms tested meet or surpass the BRE minimum winter recommendations (i.e. 78 of the total 98 rooms meet or surpass their winter targets). In our opinion this demonstrates a high level of compliance with the BRE guide.

#### 4.3 Exposure to Sunlight

- 4.3.1 Exposure to sunlight data is provided in Appendix 3.
- 4.3.2 In the case of the proposed development, 26 of the 41 units have a living room window which faces within 90 degrees of due south. When considering the deciduous trees as opaque objects, 27 units have a living room which receives a total of at least 1.5 hours of sunlight on 21 March.
- 4.3.3 The BRE guide acknowledges that in some cases, it may not be possible for every dwelling to achieve ideal levels of sunlight. The guide explains that where groups of dwellings are planned, site layout design should aim to maximise the number of dwellings with a main living room that:
  - faces within 90 degrees of due south, and
  - can receive a total of at least 1.5 hours of sunlight on 21 March.

4.3.4 In our opinion, the proposed development represents good site layout design. Since the design maximises sunlight availability, as far as practically possible given the constraints of the site, the BRE exposure to sunlight recommendations for groups of dwellings have been met.

#### 4.4 Overshadowing to Gardens and Open Spaces

- 4.4.1 Overshadowing to gardens and opens spaces data and contour drawings are provided in Appendix 4.
- 4.4.2 The results show that all of the external amenity space will receive at least two hours of sunlight on 21 March. This is significantly better than the BRE recommendation which states that at least 50% of any garden or amenity area should receive at least two hours of sunlight on 21 March. The proposed development therefore passes the BRE overshadowing to gardens and open spaces test.

#### 4.5 Conclusion

4.5.1 The numerical results demonstrate that the majority of the proposed rooms meet or surpass the BRE recommendations. Whilst not all rooms meet the recommendations, the BRE guide explains that the numerical guidelines should be interpreted flexibly, since natural lighting is only one of many factors in site layout design.

## **5** CLARIFICATIONS

#### 5.1 General

- 5.1.1 The report provided is solely for the use of the client and no liability to anyone else is accepted.
- 5.1.2 The assessment is limited to assessing daylight, sunlight and overshadowing of the proposed development as set out in section 2.1, 3.1 and 3.3 of the BRE guide.
- 5.1.3 The assessment is based on the information listed in section 2 of this report and a site visit undertaken on 8 September 2023.
- 5.1.4 We have undertaken the survey following the guidelines of the RICS publication "Surveying Safely". Where limited access is available, assumptions will have been made.
- 5.1.5 This report is based upon and subject to the scope of work set out in Right of Light Consulting's quotation and standard terms and conditions.

APPENDICES

## **APPENDIX 1**

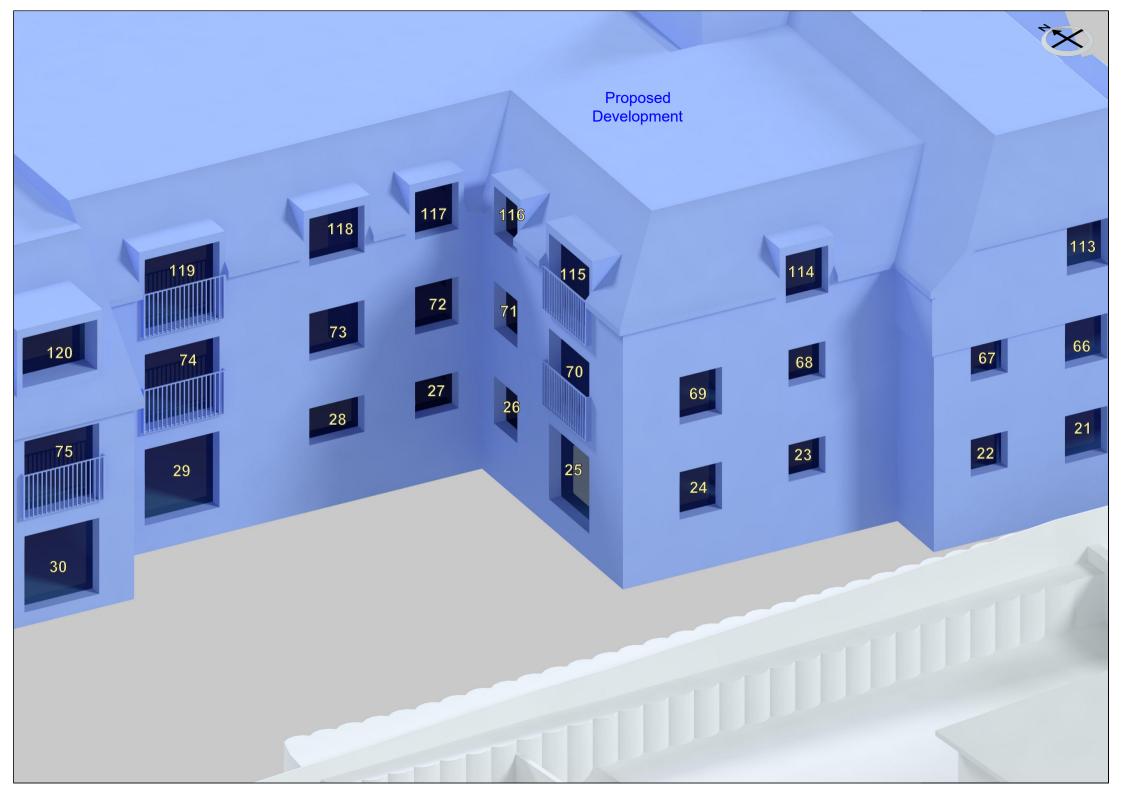
WINDOW KEY

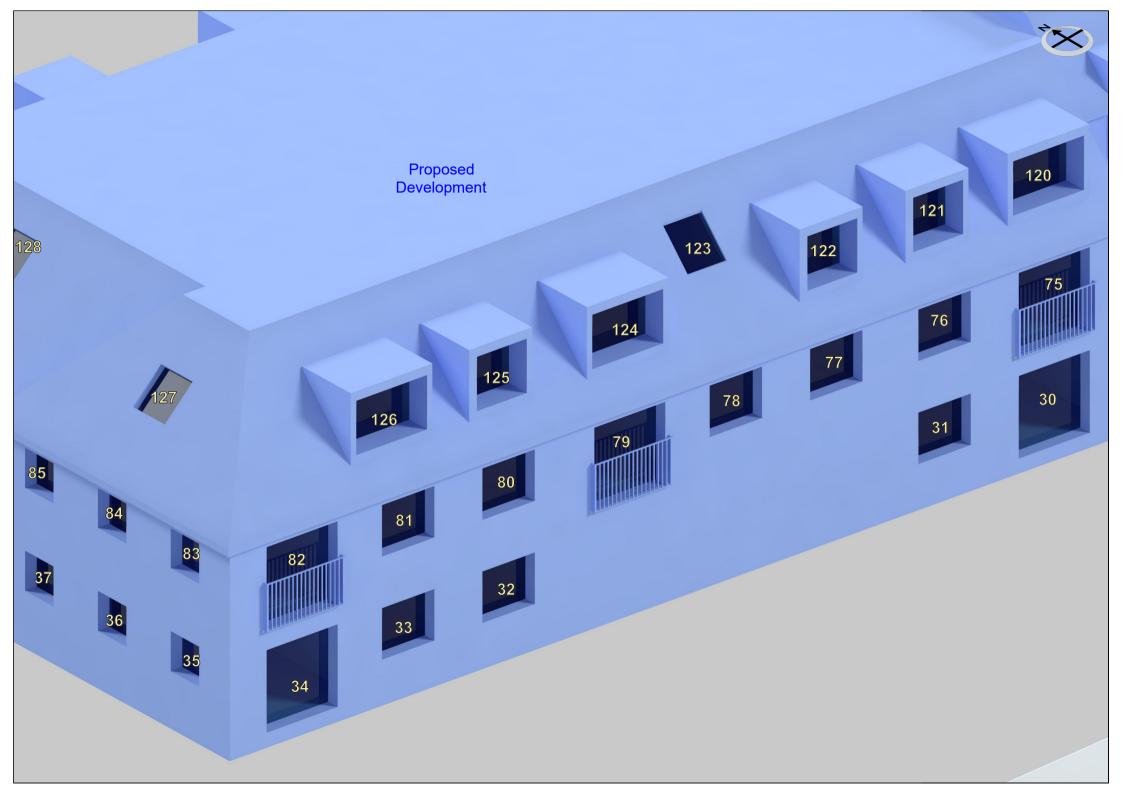
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# **APPENDIX 2**

DAYLIGHT PROVISION DATA & CONTOURS

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 1)</u>				
Ground Floor						
Window 1 Window 2	Living/Kitchen Bedroom	150 100	50% 50%	69% 84%	Yes Yes	217 124
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 2)</u>				
Ground Floor						
Window 3 Window 4	Bedroom Living/Kitchen	100 150	50% 50%	56% 68%	Yes Yes	106 210
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 3)</u>				
Ground Floor						
Window 5 Windows 6 & 7	Bedroom Living/Kitchen	100 150	50% 50%	100% 72%	Yes Yes	293 397
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 4)				
Ground Floor						
Windows 8 & 9 Window 10 Window 11	Bedroom Bedroom Living/Kitchen	100 100 150	50% 50% 50%	92% 99% 48%	Yes Yes No	314 187 145
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 5)</u>				
Ground Floor						
Window 12 Window 13 Window 14	Living/Kitchen Bedroom Bedroom	150 100 100	50% 50% 50%	28% 58% 8%	No Yes No	106 107 33
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 6)				
Ground Floor						
Windows 15 to 17 Window 18	Living/Kitchen Bedroom	150 100	50% 50%	43% 47%	No No	136 94
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 7)				
Ground Floor						
Window 19 Windows 20 to 22	Bedroom Living/Kitchen	100 150	50% 50%	73% 66%	Yes Yes	122 189
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 8)				
Ground Floor						
Windows 23 to 25 Window 26	Living/Kitchen Bedroom	150 100	50% 50%	67% 35%	Yes No	183 79

Reference Room	m Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Road. West	Sussex BN6 8QP	<u>(Flat 9)</u>				
Ground Floor						
Window 27 Bed	Iroom	100	50%	8%	No	33
	lroom	100	50%	37%	No	83
	ng/Kitchen	150	50%	20%	No	103
68 and 70 Keymer Road. West	t Sussex BN6 8QP	<u>(Flat 10)</u>				
<u>Ground Floor</u>						
	ng/Kitchen	150 100	50% 50%	35% 76%	No Yes	112 134
	Iroom		50%	70%	Tes	134
68 and 70 Keymer Road. West	Sussex BN6 8QP	<u>(Flat 11)</u>				
Ground Floor						
	lroom	100	50%	66% 06%	Yes	135
	lroom ng/Kitchen	100 150	50% 50%	96% 100%	Yes Yes	188 372
68 and 70 Keymer Road. West	-	(Flat 12)	0070	10070	100	0.12
Ground Floor						
	a g/l/itah a p	150	50%	99%	Yes	332
	ng/Kitchen Iroom	100	50% 50%	99% 100%	Yes	332 284
	Iroom	100	50%	97%	Yes	226
68 and 70 Keymer Road. West	t Sussex BN6 8QP	<u>(Flat 12a)</u>				
Ground Floor						
Window 44 Livir	ng/Kitchen	150	50%	72%	Yes	228
	Iroom	100	50%	100%	Yes	285
68 and 70 Keymer Road. West	Sussex BN6 8QP	(Flat 14)				
First Floor						
Window 46 Bed	Iroom	100	50%	74%	Yes	122
Window 47 Livir	ng/Kitchen	150	50%	66%	Yes	202
68 and 70 Keymer Road. West	Sussex BN6 8QP	<u>(Flat 15)</u>				
First Floor						
Window 48 Bed	Iroom	100	50%	100%	Yes	310
Windows 49 & 50 Livir	ng/Kitchen	150	50%	73%	Yes	426
68 and 70 Keymer Road. West	Sussex BN6 8QP	(Flat 16)				
First Floor						
Windows 51 & 52 Bed	Iroom	100	50%	100%	Yes	374

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
Window 53	Bedroom	100	50%	100%	Yes	188
Window 54	Living/Kitchen	150	50%	35%	No	122
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 17)				
First Floor						
Windows 55 & 56	Living/Kitchen	150	50%	23%	No	97
Window 57	Bedroom	100	50%	34%	No	73
Window 58	Bedroom	100	50%	14%	No	39
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 18)</u>				
First Floor						
Windows 59 to 61	Living/Kitchen	150	50%	39%	No	126
Windows 62 & 63	Bedroom	100	50%	60%	Yes	127
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 19)</u>				
First Floor						
Window 64	Bedroom	100	50%	54%	Yes	104
Windows 65 to 67	Living/Kitchen	150	50%	57%	Yes	159
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 20)				
First Floor						
Windows 68 to 70	Living/Kitchen	150	50%	64%	Yes	183
Window 71	Bedroom	100	50%	48%	No	97
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 21)				
First Floor						
Window 72	Bedroom	100	50%	14%	No	44
Window 73	Bedroom	100	50%	65%	Yes	113
Window 74	Living/Kitchen	150	50%	19%	No	93
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 22)				
First Floor						
Window 75	Living/Kitchen	150	50%	25%	No	84
Window 76	Bedroom	100	50%	76%	Yes	131
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 23)				
First Floor						
Window 77	Bedroom	100	50%	63%	Yes	125
Window 78	Bedroom	100	50%	93%	Yes	185
Window 79	Living/Kitchen	150	50%	41%	No	120

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Road	I. West Sussex BN6 8QP	<u>(Flat 24)</u>				
First Floor						
Window 80	Bedroom	100	50%	69%	Yes	144
Window 81 Windows 82 to 85	Bedroom Living/Kitchen	100 150	50% 50%	96% 100%	Yes Yes	217 373
	Living/Ritchen		5078	100 %	163	515
	1. WEST SUSSEX DIVO OQF	(Flat 25)				
First Floor		150	50%	100%	Vaa	246
Windows 86 to 89 Window 90	Living/Kitchen Bedroom	150 100	50% 50%	100%	Yes Yes	346 292
Window 91	Bedroom	100	50%	97%	Yes	225
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 26)				
First Floor						
Windows 92 & 93	Living/Kitchen	150	50%	68%	Yes	224
Window 94	Bedroom	100	50%	100%	Yes	236
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 27)				
First Floor						
Window 95	Living/Kitchen	150	50%	61%	Yes	189
Window 96	Bedroom	100	50%	100%	Yes	291
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 28)				
First Floor						
Window 97	Living/Kitchen	150	50%	69%	Yes	205
Window 98	Bedroom	100	50%	97%	Yes	134
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 29)				
Second Floor						
Window 99	Bedroom	100	50%	100%	Yes	147
Window 100	Living Room	150	50%	74%	Yes	220
	I. West Sussex BN6 8QP	(Flat 30)				
Second Floor						
Windows 101 to 103 Window 104	Living/Dining/Kitchen Bedroom	150 100	50% 50%	100% 76%	Yes Yes	446 124
			50 /0	1070	100	124
	I. West Sussex BN6 8QP	(Flat 31)				
Second Floor		450	<b>F</b> 00/	400/	N -	07
Window 105 Window 106	Living/Kitchen Bedroom	150 100	50% 50%	12% 51%	No Yes	37 101
Window 107	Bedroom	100	50%	100%	Yes	600
		100	0070	10070	103	000

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Road	. West Sussex BN6 8QP	(Flat 32)				
Second Floor						
Windows 108 & 109 Window 110	Living/Kitchen Bedroom	150 100	50% 50%	68% 23%	Yes No	341 63
68 and 70 Keymer Road	. West Sussex BN6 8QP	<u>(Flat 33)</u>				
Second Floor						
Window 111 Windows 112 & 113	Bedroom Living/Dining/Kitchen	100 150	50% 50%	41% 23%	No No	88 72
68 and 70 Keymer Road	. West Sussex BN6 8QP	<u>(Flat 34)</u>				
Second Floor						
Windows 114 & 115 Window 116	Living/Kitchen Bedroom	150 100	50% 50%	88% 94%	Yes Yes	282 178
68 and 70 Keymer Road	. West Sussex BN6 8QP	<u>(Flat 35)</u>				
Second Floor						
Window 117 Window 118 Window 119	Bedroom Bedroom Living/Kitchen	100 100 150	50% 50% 50%	24% 88% 30%	No Yes No	58 138 106
68 and 70 Keymer Road	. West Sussex BN6 8QP	<u>(Flat 36)</u>				
Second Floor						
Window 120 Window 121	Living/Dining/Kitchen Bedroom	150 100	50% 50%	21% 55%	No Yes	72 106
68 and 70 Keymer Road	. West Sussex BN6 8QP	(Flat 37)				
Second Floor						
Window 122 Window 123 Window 124	Bedroom Study Living/Kitchen	100 150 150	50% 50% 50%	58% 100% 28%	Yes Yes No	111 750 97
68 and 70 Keymer Road	. West Sussex BN6 8QP	(Flat 38)				
Second Floor						
Window 125 Windows 126 & 127	Bedroom Living/Kitchen	100 150	50% 50%	68% 73%	Yes Yes	137 232
68 and 70 Keymer Road	. West Sussex BN6 8QP	(Flat 39)				
Second Floor						
Windows 128 & 129 Window 130	Living/Kitchen Bedroom	150 100	50% 50%	62% 100%	Yes Yes	182 219

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)	
68 and 70 Keymer Ro	oad. West Sussex BN6 8QP	<u>(Flat 40)</u>					
Second Floor							
Window 131	Living/Kitchen	150	50%	38%	No	130	
Window 132	Study	150	50%	100%	Yes	750	
Window 133	Bedroom	100	50%	100%	Yes	209	
Window 134	Bedroom	100	50%	72%	Yes	130	
68 and 70 Keymer Ro	68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 41)						
Second Floor							
Window 135	Living/Kitchen	150	50%	76%	Yes	234	
Window 136	Bedroom	100	50%	100%	Yes	154	







Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	<u>(Flat 1)</u>				
Ground Floor						
Window 1 Window 2	Living/Kitchen Bedroom	150 100	50% 50%	69% 84%	Yes Yes	217 125
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 2)				
Ground Floor						
Window 3 Window 4	Bedroom Living/Kitchen	100 150	50% 50%	57% 69%	Yes Yes	107 214
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	<u>(Flat 3)</u>				
Ground Floor						
Window 5 Windows 6 & 7	Bedroom Living/Kitchen	100 150	50% 50%	100% 73%	Yes Yes	297 401
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	<u>(Flat 4)</u>				
Ground Floor						
Windows 8 & 9 Window 10 Window 11	Bedroom Bedroom Living/Kitchen	100 100 150	50% 50% 50%	95% 100% 59%	Yes Yes Yes	391 225 176
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	<u>(Flat 5)</u>				
Ground Floor						
Window 12 Window 13 Window 14	Living/Kitchen Bedroom Bedroom	150 100 100	50% 50% 50%	42% 94% 16%	No Yes No	134 157 47
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 6)				
Ground Floor						
Windows 15 to 17 Window 18	Living/Kitchen Bedroom	150 100	50% 50%	66% 70%	Yes Yes	188 133
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 7)				
Ground Floor						
Window 19 Windows 20 to 22	Bedroom Living/Kitchen	100 150	50% 50%	88% 91%	Yes Yes	163 264
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 8)				
Ground Floor						
Windows 23 to 25 Window 26	Living/Kitchen Bedroom	150 100	50% 50%	86% 42%	Yes No	244 91

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 9)								
Ground Floor								
Window 27	Bedroom	100	50%	20%	No	47		
Window 28	Bedroom	100	50%	72%	Yes	126		
Window 29	Living/Kitchen	150	50%	39%	No	134		
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 10)						
Ground Floor								
Window 30	Living/Kitchen	150	50%	45%	No	135		
Window 31	Bedroom	100	50%	92%	Yes	184		
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	(Flat 11)						
Ground Floor								
Window 32	Bedroom	100	50%	77%	Yes	160		
Window 33	Bedroom	100	50%	100%	Yes	227		
Windows 34 to 37	Living/Kitchen	150	50%	100%	Yes	419		
68 and 70 Keymer Ro	68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 12)							
Ground Floor								
Windows 38 to 41	Living/Kitchen	150	50%	100%	Yes	371		
Window 42	Bedroom	100	50%	100%	Yes	294		
Window 43	Bedroom	100	50%	98%	Yes	230		
68 and 70 Keymer Ro	ad. West Sussex BN6 8QP	<u>(Flat 12a)</u>						
Ground Floor								
Window 44	Living/Kitchen	150	50%	73%	Yes	229		
Window 45	Bedroom	100	50%	100%	Yes	285		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 14)								
First Floor								
Window 46	Bedroom	100	50%	77%	Yes	123		
Window 47	Living/Kitchen	150	50%	66%	Yes	205		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 15)								
First Floor								
Window 48	Bedroom	100	50%	100%	Yes	314		
Windows 49 & 50	Living/Kitchen	150	50%	73%	Yes	431		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 16)								
First Floor								
	Bedroom	100	50%	100%	Yes	459		
	Douroom	100	0070	10070	100	100		

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)	
Window 53	Bedroom	100	50%	100%	Yes	225	
Window 54	Living/Kitchen	150	50%	48%	No	145	
68 and 70 Keymer Road. West Sussex BN6 8QP		(Flat 17)					
First Floor							
Windows 55 & 56	Living/Kitchen	150	50%	40%	No	132	
Window 57	Bedroom	100	50%	57%	Yes	108	
Window 58	Bedroom	100	50%	22%	No	56	
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	<u>(Flat 18)</u>					
First Floor							
Windows 59 to 61	Living/Kitchen	150	50%	68%	Yes	183	
Windows 62 & 63	Bedroom	100	50%	84%	Yes	212	
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	(Flat 19)					
First Floor							
Window 64	Bedroom	100	50%	78%	Yes	138	
Windows 65 to 67	Living/Kitchen	150	50%	90%	Yes	240	
68 and 70 Keymer Roa	68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 20)						
First Floor							
Windows 68 to 70	Living/Kitchen	150	50%	87%	Yes	244	
Window 71	Bedroom	100	50%	59%	Yes	108	
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	(Flat 21)					
First Floor							
Window 72	Bedroom	100	50%	26%	No	62	
Window 73	Bedroom	100	50%	99%	Yes	166	
Window 74	Living/Kitchen	150	50%	34%	No	124	
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 22)							
First Floor							
Window 75	Living/Kitchen	150	50%	37%	No	110	
Window 76	Bedroom	100	50%	95%	Yes	185	
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 23)							
First Floor							
Window 77	Bedroom	100	50%	73%	Yes	150	
Window 78	Bedroom	100	50%	98%	Yes	225	
Window 79	Living/Kitchen	150	50%	46%	No	138	

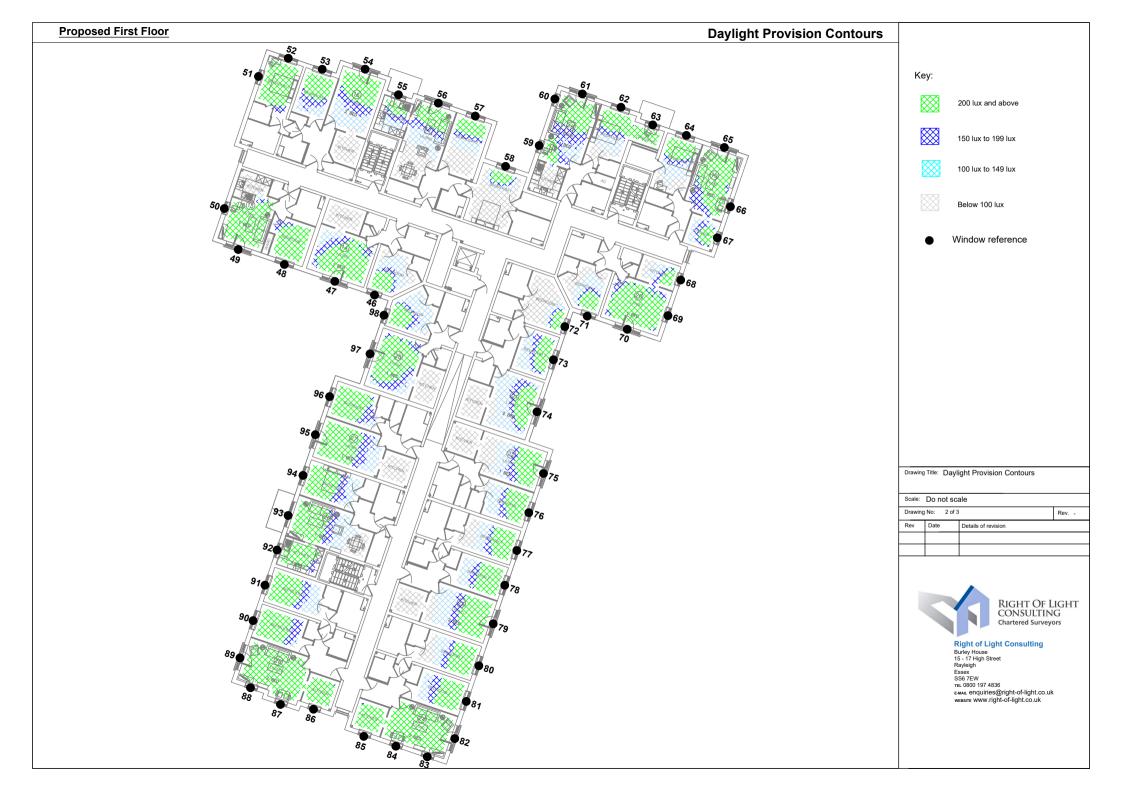
Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer Roa	68 and 70 Keymer Road. West Sussex BN6 8QP					
First Floor						
Window 80	Bedroom	100	50%	79%	Yes	171
Window 81	Bedroom	100	50% 50%	100% 100%	Yes Yes	247 405
Windows 82 to 85	Living/Kitchen	150	50%	100%	res	405
	ad. West Sussex BN6 8QP	(Flat 25)				
<u>First Floor</u>						
Windows 86 to 89 Window 90	Living/Kitchen Bedroom	150 100	50% 50%	100% 100%	Yes Yes	377 297
Window 90 Window 91	Bedroom	100	50%	97%	Yes	229
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	(Flat 26)				
First Floor						
	Living/Kitchen	150	50%	68%	Yes	226
Window 94	Bedroom	100	50%	100%	Yes	237
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	(Flat 27)				
First Floor						
Window 95	Living/Kitchen	150	50%	61%	Yes	190
Window 96	Bedroom	100	50%	100%	Yes	291
68 and 70 Keymer Roa	ad. West Sussex BN6 8QP	(Flat 28)				
First Floor						
Window 97	Living/Kitchen	150	50%	69%	Yes	205
Window 98	Bedroom	100	50%	97%	Yes	134
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 29)						
Second Floor						
Window 99	Bedroom	100	50%	100%	Yes	148
Window 100	Living Room	150	50%	75%	Yes	223
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 30)						
Second Floor						
Windows 101 to 103	• •	150 100	50%	100%	Yes	451
Window 104	Bedroom	100	50%	89%	Yes	141
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 31)						
Second Floor						
Window 105 Window 106	Living/Kitchen Bedroom	150 100	50% 50%	17% 90%	No Yes	52 148
Window 106 Window 107	Bedroom	100	50%	100%	Yes	608
			-	-		

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)		
68 and 70 Keymer Roa	68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 32)							
Second Floor								
Windows 108 & 109 Window 110	Living/Kitchen Bedroom	150 100	50% 50%	74% 52%	Yes Yes	417 101		
68 and 70 Keymer Roa	d. West Sussex BN6 8QP	(Flat 33)						
Second Floor								
Window 111 Windows 112 & 113	Bedroom Living/Dining/Kitchen	100 150	50% 50%	69% 30%	Yes No	122 96		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 34)								
Second Floor								
Windows 114 & 115 Window 116	Living/Kitchen Bedroom	150 100	50% 50%	96% 98%	Yes Yes	319 188		
68 and 70 Keymer Roa	68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 35)							
Second Floor								
Window 117 Window 118 Window 119	Bedroom Bedroom Living/Kitchen	100 100 150	50% 50% 50%	36% 100% 44%	No Yes No	78 206 138		
68 and 70 Keymer Roa	d. West Sussex BN6 8QP	<u>(Flat 36)</u>						
Second Floor								
Window 120 Window 121	Living/Dining/Kitchen Bedroom	150 100	50% 50%	30% 71%	No Yes	97 131		
68 and 70 Keymer Roa	d. West Sussex BN6 8QP	(Flat 37)						
Second Floor								
Window 122 Window 123 Window 124	Bedroom Study Living/Kitchen	100 150 150	50% 50% 50%	70% 100% 32%	Yes Yes No	130 750 109		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 38)								
Second Floor								
Window 125 Windows 126 & 127	Bedroom Living/Kitchen	100 150	50% 50%	76% 76%	Yes Yes	151 246		
68 and 70 Keymer Road. West Sussex BN6 8QP (Flat 39)								
Second Floor								
Windows 128 & 129 Window 130	Living/Kitchen Bedroom	150 100	50% 50%	64% 100%	Yes Yes	186 220		

# Appendix 2 - Daylight Provision (Winter) 68 and 70 Keymer Road, West Sussex BN6 8QP

Reference	Room Use	Min.Target Illuminance (Lux)	Target % of Reference Plane	% of Reference Plane Achieved	Target % Achieved	Median Illuminance (Lux)
68 and 70 Keymer R	oad. West Sussex BN6 8QP	(Flat 40)				
Second Floor						
Window 131	Living/Kitchen	150	50%	39%	No	131
Window 132	Study	150	50%	100%	Yes	750
Window 133	Bedroom	100	50%	100%	Yes	209
Window 134	Bedroom	100	50%	72%	Yes	131
68 and 70 Keymer R	oad. West Sussex BN6 8QP	(Flat 41)				
Second Floor						
Window 135	Living/Kitchen	150	50%	76%	Yes	235
Window 136	Bedroom	100	50%	100%	Yes	154







### **APPENDIX 3**

EXPOSURE TO SUNLIGHT DATA

Reference	Room Use	Т	arget Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 1)			
Ground Floor					
Window 1	Living/Kitchen		1.5 hours 1.5 hours	0.9 hours 2 hours	Yes
Window 2	Bedroom		1.5 110015	2 110015	
68 and 70 Keymer Road. Ground Floor	West Sussex Bind 8QP	<u>(Flat 2)</u>			
Window 3	Bedroom		1.5 hours	4.2 hours	
Window 3 Window 4	Living/Kitchen		1.5 hours	5.7 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 3)			
Ground Floor					
Window 5	Bedroom		1.5 hours	6.9 hours	Yes
Windows 6 & 7	Living/Kitchen		1.5 hours	7.8 hours	
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 4)			
Ground Floor					
Windows 8 & 9 Window 10	Bedroom Bedroom		1.5 hours 1.5 hours	1 hours 0 hours	No
Window 11	Living/Kitchen		1.5 hours	0 hours	
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 5)			
Ground Floor					
Window 12	Living/Kitchen		1.5 hours	0 hours	
Window 13 Window 14	Bedroom Bedroom		1.5 hours 1.5 hours	0 hours 0 hours	No
68 and 70 Keymer Road.		(Flat 6)	1.5 110013	0 110013	
Ground Floor	West Sussex Divo OQI	(1 1at 0)			
Windows 15 to 17	Living/Kitchen		1.5 hours	0 hours	
Windows 18	Bedroom		1.5 hours	0 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 7)			
Ground Floor					
Window 19	Bedroom		1.5 hours	0 hours	No
Windows 20 to 22	Living/Kitchen		1.5 hours	0 hours	
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 8)			
Ground Floor					
Windows 23 to 25 Window 26	Living/Kitchen Bedroom		1.5 hours 1.5 hours	2.9 hours 2.3 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 9)</u>		
Ground Floor				
Window 27 Window 28 Window 29	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	0.7 hours 1.2 hours 0.7 hours	No
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 10)</u>		
<u>Ground Floor</u> Window 30 Window 31	Living/Kitchen Bedroom	1.5 hours 1.5 hours	3.7 hours 4.5 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 11)</u>		
<u>Ground Floor</u> Window 32 Window 33 Windows 34 to 37	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	2.6 hours 2.8 hours 8.3 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 12)		
<u>Ground Floor</u> Windows 38 to 41 Window 42 Window 43	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	5.7 hours 0.8 hours 1.9 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 12a)		
<u>Ground Floor</u> Window 44 Window 45	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	<u>(Flat 14)</u>		
<u>First Floor</u> Window 46 Window 47	Bedroom Living/Kitchen	1.5 hours 1.5 hours	4.5 hours 6.8 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 15)		
<u>First Floor</u> Window 48 Windows 49 & 50	Bedroom Living/Kitchen	1.5 hours 1.5 hours	7.3 hours 7.8 hours	Yes
68 and 70 Keymer Road	d. West Sussex BN6 8QP	(Flat 16)		
<u>First Floor</u> Windows 51 & 52 Window 53 Window 54	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	1.7 hours 0 hours 0 hours	Yes

Reference R	Room Use	Ta	arget Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 17)			
First Floor					
Window 57 B	iving/Kitchen Bedroom Bedroom		1.5 hours 1.5 hours 1.5 hours	0 hours 0 hours 0 hours	No
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 18)			
First Floor					
	iving/Kitchen 3edroom		1.5 hours 1.5 hours	0.2 hours 0 hours	No
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 19)			
	Bedroom iving/Kitchen		1.5 hours 1.5 hours	0 hours 1.2 hours	No
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 20)			
	iving/Kitchen Bedroom		1.5 hours 1.5 hours	3.8 hours 2.8 hours	Yes
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 21)			
First Floor					
Window 73 B	Bedroom Bedroom .iving/Kitchen		1.5 hours 1.5 hours 1.5 hours	0.9 hours 1.3 hours 1.4 hours	No
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 22)			
	iving/Kitchen Bedroom		1.5 hours 1.5 hours	2.6 hours 3.6 hours	Yes
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 23)			
First Floor					
Window 78 B	Bedroom Bedroom .iving/Kitchen		1.5 hours 1.5 hours 1.5 hours	4.5 hours 4.5 hours 3.4 hours	Yes
68 and 70 Keymer Road. Wes	st Sussex BN6 8QP	(Flat 24)			
Window 81 B	Bedroom Bedroom .iving/Kitchen		1.5 hours 1.5 hours 1.5 hours	2.8 hours 3 hours 8.5 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 25)</u>		
First Floor				
Windows 86 to 89 Window 90 Window 91	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	5.8 hours 2 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 26)</u>		
First Floor				
Windows 92 & 93 Window 94	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 27)</u>		
First Floor				
Window 95 Window 96	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 28)</u>		
First Floor				
Window 97 Window 98	Living/Kitchen Bedroom	1.5 hours 1.5 hours	0.7 hours 2 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 29)</u>		
Second Floor				
Window 99 Window 100	Bedroom Living Room	1.5 hours 1.5 hours	6.3 hours 7.8 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 30)</u>		
Second Floor				
Windows 101 to 103 Window 104	Living/Dining/Kitchen Bedroom	1.5 hours 1.5 hours	6.3 hours 0 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 31)</u>		
Second Floor				
Window 105 Window 106 Window 107	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	0 hours 0 hours 0.8 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 32)</u>		
Second Floor				
Windows 108 & 109 Window 110	Living/Kitchen Bedroom	1.5 hours 1.5 hours	5.1 hours 0 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	<u>at 33)</u>		
Second Floor				
Window 111 Windows 112 & 113	Bedroom Living/Dining/Kitchen	1.5 hours 1.5 hours	0 hours 0 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	<u>at 34)</u>		
Second Floor				
Windows 114 & 115 Window 116	Living/Kitchen Bedroom	1.5 hours 1.5 hours	5.3 hours 4.7 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	<u>at 35)</u>		
Second Floor				
Window 117 Window 118 Window 119	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	1.4 hours 1.8 hours 2.5 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	<u>at 36)</u>		
Second Floor				
Window 120 Window 121	Living/Dining/Kitchen Bedroom	1.5 hours 1.5 hours	2.3 hours 2.4 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (FI	<u>at 37)</u>		
Second Floor				
Window 122 Window 123 Window 124	Bedroom Study Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	3.3 hours 7.4 hours 4.1 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (FI	<u>at 38)</u>		
Second Floor				
Window 125 Windows 126 & 127	Bedroom Living/Kitchen	1.5 hours 1.5 hours	2.4 hours 8.5 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	<u>at 39)</u>		
Second Floor				
Windows 128 & 129 Window 130	Living/Kitchen Bedroom	1.5 hours 1.5 hours	8.8 hours 1.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (F	at 40)		
Second Floor				
Window 131 Window 132 Window 133 Window 134	Living/Kitchen Study Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours 1.5 hours	1.8 hours 5 hours 1.3 hours 1.3 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer R	toad. West Sussex BN6 8QP	<u>(Flat 41)</u>		
Second Floor				
Window 135 Window 136	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2 hours	Yes

Reference	Room Use	Т	arget Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 1)			
Ground Floor					
Window 1	Living/Kitchen		1.5 hours 1.5 hours	0.9 hours 2 hours	Yes
Window 2	Bedroom		1.5 10015	2 hours	
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 2)			
<u>Ground Floor</u>	Dedreem		1.5 hours	4.2 hours	
Window 3 Window 4	Bedroom Living/Kitchen		1.5 hours	5.7 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 3)			
Ground Floor					
Window 5	Bedroom		1.5 hours	6.9 hours	Yes
Windows 6 & 7	Living/Kitchen		1.5 hours	7.8 hours	100
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 4)			
Ground Floor					
Windows 8 & 9 Window 10	Bedroom Bedroom		1.5 hours 1.5 hours	1 hours 0 hours	No
Window 10 Window 11	Living/Kitchen		1.5 hours	0 hours	NO
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 5)</u>			
Ground Floor					
Window 12	Living/Kitchen		1.5 hours	0 hours	
Window 13 Window 14	Bedroom Bedroom		1.5 hours 1.5 hours	0 hours 0 hours	No
68 and 70 Keymer Road.		(Flot 6)	1.5 110015	0 110015	
Ground Floor	West Sussex Divo our	(Flat 6)			
Windows 15 to 17	Living/Kitchen		1.5 hours	0 hours	
Window 18	Bedroom		1.5 hours	0 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 7)			
Ground Floor					
Window 19	Bedroom		1.5 hours	0 hours	Yes
Windows 20 to 22	Living/Kitchen		1.5 hours	3.3 hours	
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 8)			
Ground Floor					
Windows 23 to 25 Window 26	Living/Kitchen Bedroom		1.5 hours 1.5 hours	6.7 hours 3.8 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road	I. West Sussex BN6 8QP	<u>(Flat 9)</u>		
Ground Floor				
Window 27 Window 28 Window 29	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4 hours 4.4 hours 3.4 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	<u>(Flat 10)</u>		
Ground Floor				
Window 30 Window 31	Living/Kitchen Bedroom	1.5 hours 1.5 hours	4.8 hours 4.5 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	<u>(Flat 11)</u>		
<u>Ground Floor</u> Window 32 Window 33 Windows 34 to 37	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4.5 hours 4.5 hours 9.5 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	<u>(Flat 12)</u>		
Ground Floor				
Windows 38 to 41 Window 42 Window 43	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	6.8 hours 2.3 hours 2.3 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 12a)		
<u>Ground Floor</u> Window 44 Window 45	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 14)		
<u>First Floor</u> Window 46 Window 47	Bedroom Living/Kitchen	1.5 hours 1.5 hours	4.5 hours 6.8 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 15)		
First Floor				
Window 48 Windows 49 & 50	Bedroom Living/Kitchen	1.5 hours 1.5 hours	7.3 hours 7.8 hours	Yes
68 and 70 Keymer Road	I. West Sussex BN6 8QP	(Flat 16)		
First Floor				
Windows 51 & 52 Window 53 Window 54	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	1.7 hours 0 hours 0 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 17)</u>		
First Floor				
Windows 55 & 56 Window 57 Window 58	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	0 hours 0 hours 0 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 18)</u>		
First Floor				
Windows 59 to 61 Windows 62 & 63	Living/Kitchen Bedroom	1.5 hours 1.5 hours	0.2 hours 0 hours	No
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 19)</u>		
<u>First Floor</u> Window 64 Windows 65 to 67	Bedroom Living/Kitchen	1.5 hours 1.5 hours	0 hours 4.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 20)</u>		
First Floor				
Windows 68 to 70 Window 71	Living/Kitchen Bedroom	1.5 hours 1.5 hours	8.1 hours 4 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 21)</u>		
First Floor				
Window 72 Window 73 Window 74	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4.3 hours 4.5 hours 4.1 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 22)		
First Floor				
Window 75 Window 76	Living/Kitchen Bedroom	1.5 hours 1.5 hours	4.6 hours 4.5 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 23)		
First Floor				
Window 77 Window 78 Window 79	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4.5 hours 4.5 hours 4.6 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	(Flat 24)		
First Floor				
Window 80 Window 81 Windows 82 to 85	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4.5 hours 4.5 hours 9.5 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 25)</u>		
First Floor				
Windows 86 to 89 Window 90 Window 91	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	6.8 hours 2.3 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 26)</u>		
<u>First Floor</u> Windows 92 & 93 Window 94	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 27)</u>		
<u>First Floor</u> Window 95 Window 96	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 28)</u>		
<u>First Floor</u> Window 97 Window 98	Living/Kitchen Bedroom	1.5 hours 1.5 hours	0.7 hours 2 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 29)</u>		
<u>Second Floor</u> Window 99 Window 100	Bedroom Living Room	1.5 hours 1.5 hours	6.3 hours 7.8 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 30)</u>		
<u>Second Floor</u> Windows 101 to 103 Window 104	Living/Dining/Kitchen Bedroom	1.5 hours 1.5 hours	6.3 hours 0 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP	<u>(Flat 31)</u>		
Second Floor Window 105 Window 106 Window 107	Living/Kitchen Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours	0 hours 0 hours 1.3 hours	No
68 and 70 Keymer Road.	WEST SUSSEX BIND BOD	<u>(Flat 32)</u>		
<u>Second Floor</u> Windows 108 & 109 Window 110	Living/Kitchen Bedroom	1.5 hours 1.5 hours	5.1 hours 0 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 33)</u>		
Second Floor				
Window 111 Windows 112 & 113	Bedroom Living/Dining/Kitchen	1.5 hours 1.5 hours	0 hours 3.8 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 34)</u>		
Second Floor				
Windows 114 & 115 Window 116	Living/Kitchen Bedroom	1.5 hours 1.5 hours	9.3 hours 5.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 35)</u>		
Second Floor				
Window 117 Window 118 Window 119	Bedroom Bedroom Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	4.3 hours 4.5 hours 4.8 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 36)</u>		
Second Floor				
Window 120 Window 121	Living/Dining/Kitchen Bedroom	1.5 hours 1.5 hours	4.1 hours 3.6 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 37)</u>		
Second Floor				
Window 122 Window 123 Window 124	Bedroom Study Living/Kitchen	1.5 hours 1.5 hours 1.5 hours	3.6 hours 7.4 hours 4.1 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 38)</u>		
Second Floor				
Window 125 Windows 126 & 127	Bedroom Living/Kitchen	1.5 hours 1.5 hours	3.6 hours 9.5 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	<u>Flat 39)</u>		
Second Floor				
Windows 128 & 129 Window 130	Living/Kitchen Bedroom	1.5 hours 1.5 hours	8.8 hours 1.3 hours	Yes
68 and 70 Keymer Road.	West Sussex BN6 8QP (	Flat 40)		
Second Floor				
Window 131 Window 132 Window 133 Window 134	Living/Kitchen Study Bedroom Bedroom	1.5 hours 1.5 hours 1.5 hours 1.5 hours	1.8 hours 5 hours 1.3 hours 1.3 hours	Yes

Reference	Room Use	Target Sunlight Exposure	Sunlight Exposure Achieved	At least one room meets Sunlight Exposure Target
68 and 70 Keymer R	oad. West Sussex BN6 8QP	<u>(Flat 41)</u>		
Second Floor				
Window 135 Window 136	Living/Kitchen Bedroom	1.5 hours 1.5 hours	2.7 hours 2 hours	Yes

### **APPENDIX 4**

OVERSHADOWING TO GARDENS & OPEN SPACES

### Appendix 4 - Overshadowing to Gardens and Open Spaces 68 and 70 Keymer Road, West Sussex BN6 8QP

Reference	Total Area	Area receiving at least 2 hours of sunlight or	n 21 March
68 and 70 Keymer Road. West Sussex	BN6 8QP		
<u>Ground Floor</u> Garden 1	801.0 m2	800.54 m2	100%

