

Right of Light Consulting

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Daylight and Sunlight Report (Neighbouring Properties) Elleray Hall and East Car Park London TW11 0HN

10 March 2021



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1 EXECUTIVE SUMMARY

1.1 Overview

- 1.1.1 Right of Light Consulting has been commissioned by Richmond and Wandsworth Council to undertake a daylight and sunlight study of the proposed development at Elleray Hall and East Car Park, London TW11 0HN.
- 1.1.2 The study is based on 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, 2nd Edition' by P J Littlefair 2011.
- 1.1.3 The aim of the study is to assess the impact of the development on the light receivable by the neighbouring residential properties at 19, 21, 49, 49A & 51 to 57 North Lane, 19, 20 & 22 to 26 Elleray Road, 13, 15 & 21 to 27 Middle Lane and 20 to 28 Park Lane.
- 1.1.4 The window key in Appendix 1 identifies the windows analysed in this study. Appendices 2 and 3 give the numerical results of the various daylight and sunlight tests. Where room layouts are not known the daylight distribution test has not been undertaken.
- 1.1.5 The results demonstrate that the proposed development will have a relatively low impact on the light receivable by its neighbouring properties. Non-compliance with the BRE recommendations is limited to the daylight or sunlight tests in respect of windows 8 & 10 at 21 North Lane and window 81 at 26 Elleray Road. In our opinion, taking into account the overall high level of compliance with the BRE recommendations, and the mitigating factors set out in section 4, the proposed development is acceptable in terms of daylight and sunlight.

2 INFORMATION SOURCES

2.1 Drawings

2.1.1 This report is based on the following drawings:

Richmond and Wandsworth SSA Design Service							
0519-1901-PM-DWG-001	Site Location Plan	Rev -					
On Centre Surveys Ltd							
26364A/1 26364A/2 26364A/3 26364A/4	Land Survey Outline Street Elevations Outline Street Elevations Outline Street Elevations	Rev - Rev - Rev - Rev -					
Clive Chapman Architects							
EHT-SK19	Proposed Site Layout, Roof Plan & Floor Plans	Rev -					
EHT-SK20	Proposed Sections and Elevations	Rev -					
TBD							
EHT	Floor Plan Architect 3D Model Site Location Plan	Rev - Rev - Rev -					

2.2 Daylight Distribution Room Layout Information

2.2.1 The daylight distribution test has been applied based on the following room layout information:

Online Local Authority planning records						
<u>15 Middle Lane:</u> PL101	Existing Plans	Rev -				
<u>23 Middle Lane:</u> 10:002	Proposed Floor Plans Elevations and Roof Plan	Rev -				
<u>20 Park Lane:</u> 1140/A/003 24 Elleray Paged:	Proposed Plans & Elevations	Rev -				
24 Elleray Road:	Floor Plans Plans	Rev –				

<u>26 Elleray Road:</u> ERT_02 ERT_03	Existing Plans Ground & First Existing Plans Loft & Roof	Rev - Rev -
www.rightmove.co.uk		
22 Elleray Road: 49 North Lane:	Floor Plans	Rev -
49 NOITH LAHE.	Floor Plans	Rev -

3 METHODOLOGY OF THE STUDY

3.1 Local Planning Policy

- 3.1.1 We understand that the Local Authority take 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, 2nd Edition' by P J Littlefair 2011. A new European standard BS EN 17037 'Daylight in Buildings' was published in May 2019. An update to the BRE guide to take into account the European standard is expected sometime in 2021. It is not yet clear, how and to what extent, the European recommendations will be adopted by the BRE and Local Authorities.
- 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."

3.2 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:
- 3.2.2 "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 Daylight to Windows

- 3.3.1 Diffuse daylight is the light received from the sun which has been diffused through the sky. Even on a cloudy day, when the sun is not visible, a room will continue to be lit with light from the sky. This is diffuse daylight.
- 3.3.2 Diffuse daylight calculations should be undertaken to all rooms within domestic properties, where daylight is required, including living rooms, kitchens and bedrooms. The BRE guide states that windows to bathrooms, toilets, storerooms, circulation areas and garages need not be analysed. These room types are non-habitable and do not have a requirement for daylight.
- 3.3.3 The BRE guide states that the tests may also be applied to non-domestic buildings where there is a reasonable expectation of daylight. The BRE guide explains that this would normally include schools, hospitals, hotels and hostels, small workshops and some offices. The BRE guide is not explicit in terms of which types of offices it regards as having a requirement for daylight. However, it is widely accepted amongst consultants and local authorities, that for planning purposes, offices (which are commercial in nature) do not have a requirement for daylight. The point is touched on in the 'Daylighting and Sunlighting' guidance note published by the Royal Institution of Chartered Surveyors (RICS), which gives guidance to surveyors on how to produce their reports:
- 3.3.4 "The report should establish the limits of the assessment. For example, existing commercial premises are rarely assessed for loss of amenity."
- 3.3.5 The BRE guide contains two tests which measure diffuse daylight:

Test 1 Vertical Sky Component

- 3.3.6 The Vertical Sky Component is a measure of available skylight at a given point on a vertical plane. Diffuse daylight may be adversely affected if after a development the Vertical Sky Component is both less than 27% and less than 0.8 times its former value.
- 3.3.7 The BRE guide states that the total amount of skylight can be calculated by finding the Vertical Sky Component at the centre of each main window. The BRE guide does not define the term 'main window'. However, in our opinion, where a room has

multiple windows, the largest window is usually taken as the main window and the smaller window(s) as secondary. Although we generally follow the practice of testing all windows, including secondary windows, our interpretation of the BRE guide is that the Vertical Sky Component targets do not apply to secondary windows.

Test 2 Daylight Distribution

- 3.3.8 The distribution of daylight within a room can be calculated by plotting the 'no skyline'. The no skyline is a line which separates areas of the working plane that do and do not have a direct view of the sky. Daylight may be adversely affected if, after the development, the area of the working plane in a room which can receive direct skylight is reduced to less than 0.8 times its former value.
- 3.3.9 The BRE guide states that both the total amount of skylight (Vertical Sky Component) and its distribution within the building (Daylight Distribution) are important. The BRE guide states that where room layouts are known, the impact on the daylighting distribution can be found by plotting the 'no skyline' in each of the main rooms. Therefore, we are of the opinion that application of the test is not a requirement of the BRE guide where room layouts are not known. We don't endorse the practice of applying the test based on assumed room layouts, because the test is very sensitive to the size and layout of the room and the results are likely to be misleading. However, we can provide additional daylight distribution data upon request by the local authority, if neighbouring room layout information is confirmed.

3.4 Sunlight availability to Windows

- 3.4.1 The BRE sunlight tests should be applied to all main living rooms and conservatories which have a window which faces within 90 degrees of due south. The guide states that kitchens and bedrooms are less important, although care should be taken not to block too much sunlight. The tests should also be applied to non-domestic buildings where there is a particular requirement for sunlight.
- 3.4.2 The test is intended to be applied to main windows which face within 90 degrees of due south. However, the BRE guide explains that if the main window faces within 90 degrees of due north, but a secondary window faces within 90 degrees of due south, sunlight to the secondary window should be checked. For completeness, we have

tested all windows which face within 90 degrees of due south. The BRE guide states that sunlight availability may be adversely affected if the centre of the window:

- receives less than 25% of annual probable sunlight hours, or less than 5% of annual probable sunlight hours between 21 September and 21 March and
- receives less than 0.8 times its former sunlight hours during either period and
- has a reduction in sunlight received over the whole year greater than 4% of annual probable sunlight hours.

3.5 Overshadowing to Gardens and Open Spaces

- 3.5.1 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.
- 3.5.2 One way to consider overshadowing is by preparing shadow plots. However, the BRE guide states that it must be borne in mind that nearly all structures will create areas of new shadow, and some degree of transient overshadowing is to be expected. Therefore, shadow plots are of limited use as interpretation of the plots is subjective. Shadow plots have not been undertaken as part of this study.
- 3.5.3 The BRE guide also contains an objective overshadowing test which has been adopted for the purpose of this study. The guide recommends that at least 50% of the area of each amenity space listed above should receive at least two hours of sunlight on 21 March. If as a result of new development an existing garden or amenity area does not meet the above, and the area which can receive two hours of sunlight on 21 March is less than 0.8 times its former value, then the loss of light is likely to be noticeable.

4 RESULTS OF THE STUDY

4.1 Windows & Amenity Areas Considered

- 4.1.1 The aim of the study is to assess the impact of the development on the light receivable by the neighbouring residential property/properties at 19, 21, 49, 49A & 51 to 57 North Lane, 19, 20 & 22 to 26 Elleray Road, 13, 15 & 21 to 27 Middle Lane and 20 to 28 Park Lane.
- 4.1.2 Appendix 1 provides plans and photographs to indicate the positions of the windows and outdoor amenity areas analysed in this study. Appendices 2 and 3 list the detailed numerical daylight and sunlight test results.

4.2 Daylight to Windows

Vertical Sky Component

- 4.2.1 All windows with a requirement for daylight pass the Vertical Sky Component (VSC) test, with the exception of windows 8 & 10 at 21 North Lane. However, there are mitigating factors to consider:
- 4.2.2 Firstly, window 8 is obstructed by an existing wing. The BRE guide explains that one way to demonstrate that the wings are the main factor in loss of light is to carry out an additional calculation without these existing obstructions in place. In this instance, window 8 passes the test using the additional calculation with the existing obstruction removed (See appendix 3). This demonstrates that the development is a modest obstruction, and it is the presence of the wing, rather than the size of the new obstruction, which causes an unavoidable reduction in daylight.
- 4.2.3 Secondly, window 10 falls only marginally short of the VSC test, achieving a before/after ratio of 0.77 (against the BRE recommendation of 0.8). Where windows do not meet the BRE 0.8 recommendation (i.e. a higher percentage reduction occurs), it is also important to look at the retained levels of daylight. Recent representation hearing reports have focused heavily on this criteria. For example, with the recent GLA decision of Holy Trinity School (London Borough of Hackney), the representation hearing report acknowledged that:

The 27% VSC target value is derived from a low-density suburban housing model. The independent daylight and sunlight review states that in an inner-city urban environment, VSC values in excess of 20% should be considered as reasonably good, and that VSC in the mid-teens should be acceptable.

The appeal decisions of Whitechapel Estate (ref: APP/E5900/W/17/3171437) and 22-23 Tileyard Road and 196-228 York Way in Islington (ref: APP/V5570/W/19/3224373) equally back this up, setting out respectively that:

The figures show that a proportion of residual Vertical Sky Component ('VSC') values in the mid-teens have been found acceptable in major developments across London. This echoes the Mayor's endorsement in the pre-SPG decision at Monmouth House, Islington that VSC values in the mid-teens are acceptable in an inner urban environment.

There appears to be a growing recognition in heavily built up areas of London that a VSC of 20% is now regarded as reasonably good, with a VSC of 15% being considered acceptable in most instances"

In the case of window 10 it will still retain a VSC score of 25.7% following the development, which is an extremely good level of daylight for an urban location.

Daylight Distribution

4.2.4 We have undertaken the Daylight Distribution test where room layouts are known. All rooms with a requirement for daylight pass the daylight distribution test.

4.3 Sunlight to Windows

4.3.1 All windows that face within 90 degrees of due south have been tested for direct sunlight. All windows with a requirement for sunlight pass both the total annual sunlight hours test and the winter sunlight hours test, with the exception of window 81 at 26 Elleray Road. However, window 81 is a side window on a set of bay windows and only just faces within 90 degrees of due south. The other windows into the room, do not face within 90 degrees of due south, and have therefore not been tested. However, they will still provide some sunlight to the room. In addition, the window achieves adequate sunlight over the whole year and only falls short during the winter months.

4.4 Overshadowing to Gardens and Open Spaces

4.4.1 All gardens and open spaces tested meet the BRE recommendations.

4.5 Conclusion

4.5.1 The results demonstrate that the proposed development will have a relatively low impact on the light receivable by its neighbouring properties. Non-compliance with the BRE recommendations is limited to the daylight or sunlight tests in respect of windows 8 & 10 at 21 North Lane and window 81 at 26 Elleray Road. In our opinion, taking into account the overall high level of compliance with the BRE recommendations, and the mitigating factors set out in section 4, the proposed development is acceptable in terms of daylight and sunlight.

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 study is limited to assessing daylight, sunlight and overshadowing to neighbouring properties as set out in section 2.2, 3.2 and 3.3 of the BRE Guide.
- 5.1.3 The study is based on the information listed in section 2 of this report and a site visit undertaken on 23 February 2021. We have not had access to neighbouring properties.
- 5.1.4 This study does not calculate the effects of trees and hedges on daylight, sunlight and overshadowing to gardens. The BRE guide states that it is usual to ignore the effect of existing trees.
- 5.1.5 The impact on solar panels is a material planning consideration. However, the BRE guide does not provide assessment criteria for this. The assessment of impact on any neighbouring solar panels is therefore beyond the scope of this report.
- 5.1.6 We have undertaken the study following the guidelines of the RICS publication "Surveying Safely". Where limited access or information is available, assumptions will have been made which may affect the conclusions reached in this report. For example, where neighbouring room uses are not known, we will either make an assumption regarding the use, or take the prudent approach of treating the use of the room as being used for domestic purposes. Therefore, the report may need to be updated if room uses are confirmed by the local authority or by the consultation responses.
- 5.1.7 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

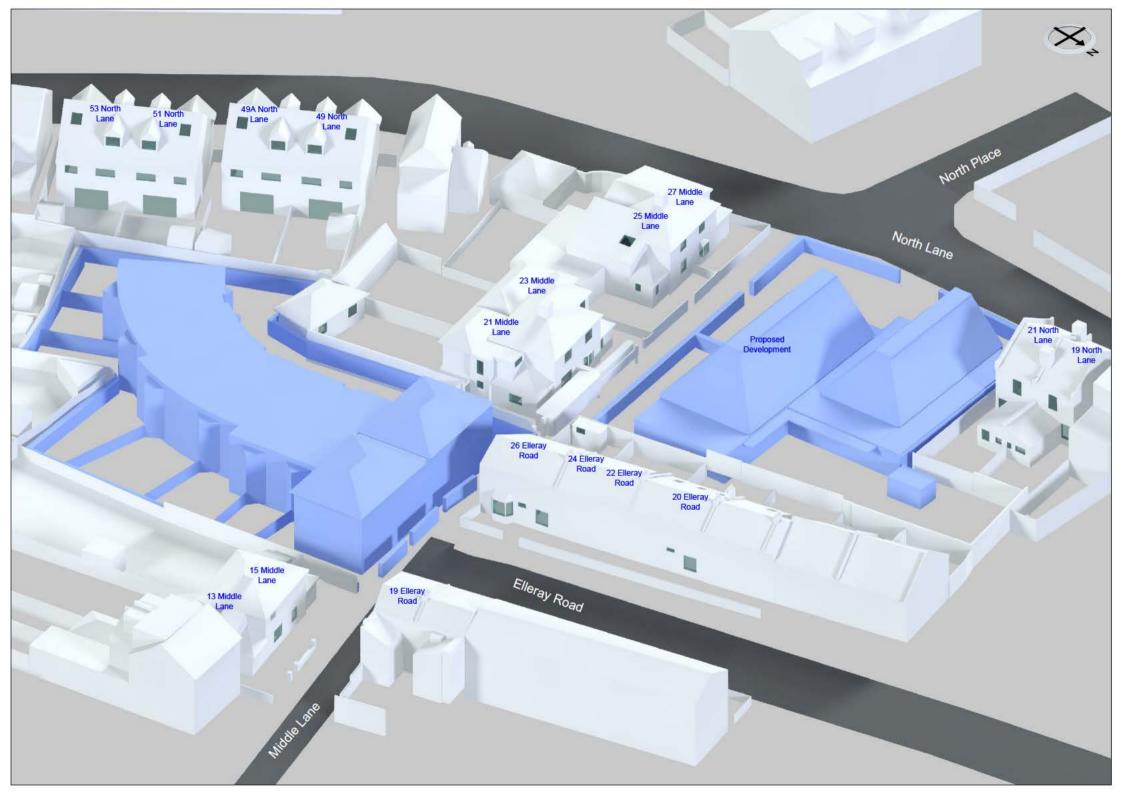
APPENDIX 1

WINDOW & GARDEN KEY





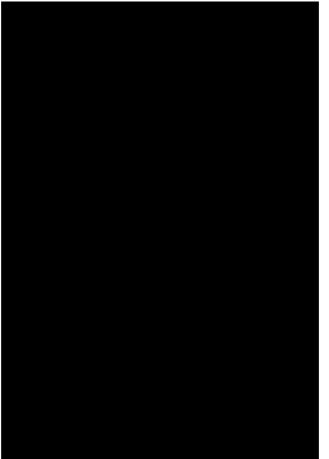




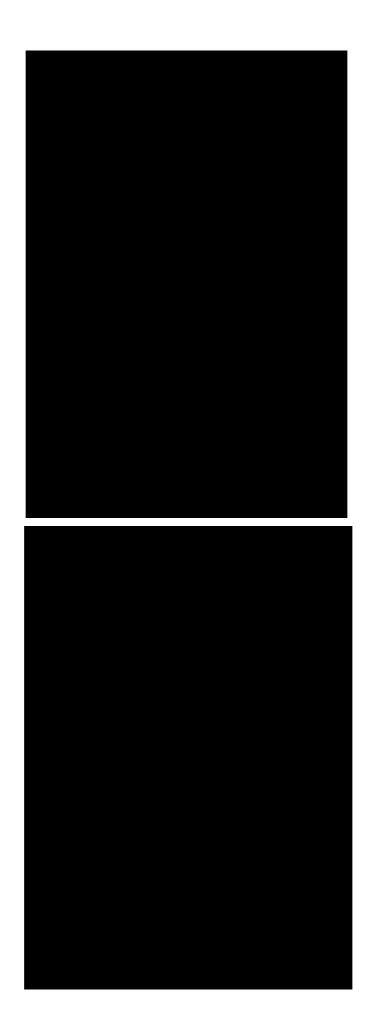


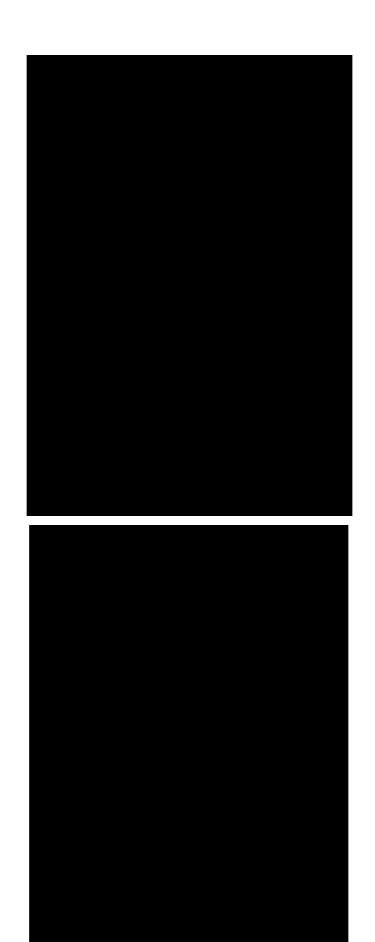
Neighbouring Windows

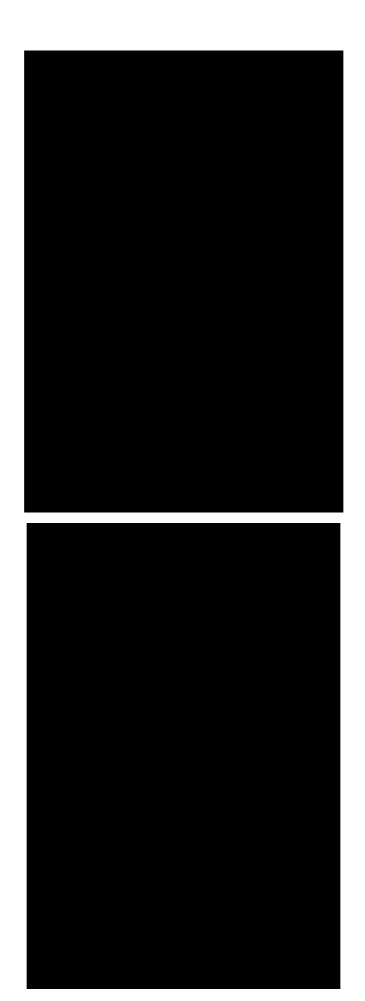




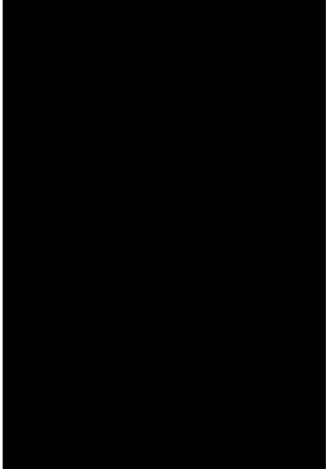


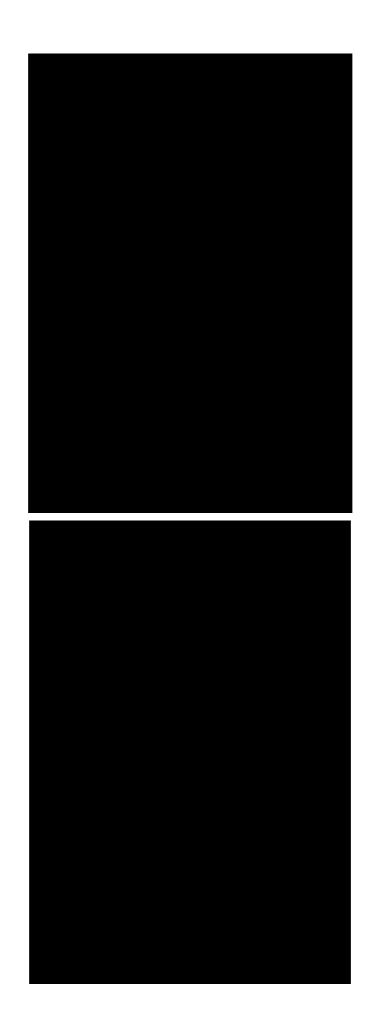


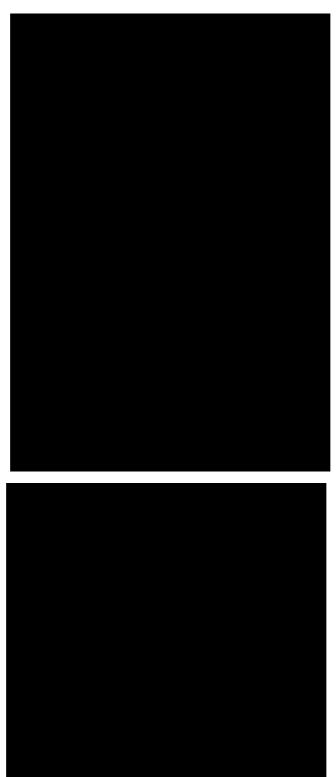


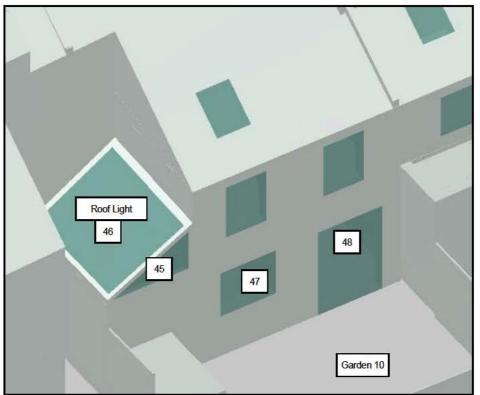




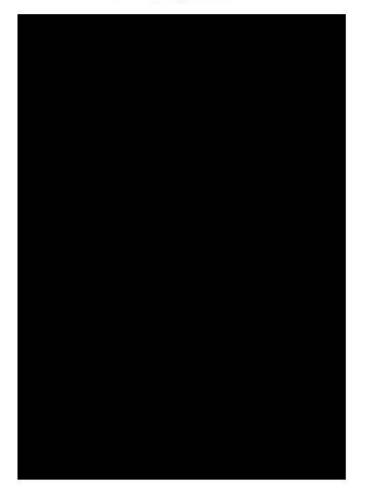


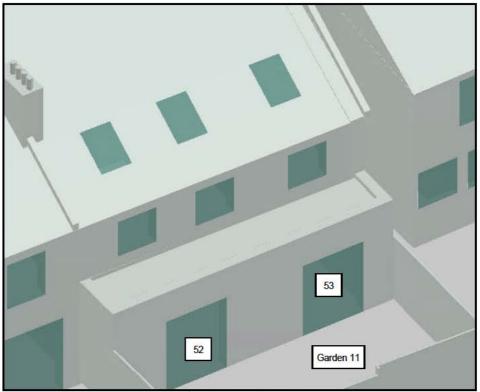






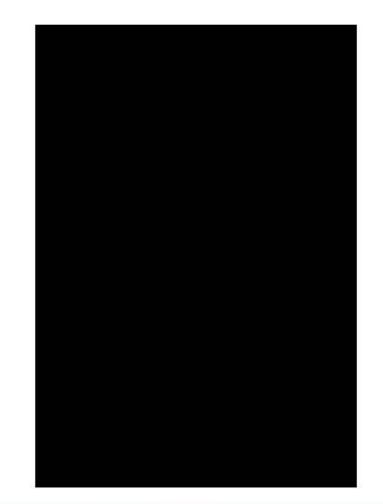
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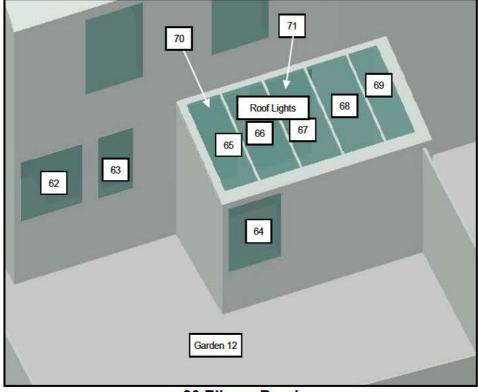




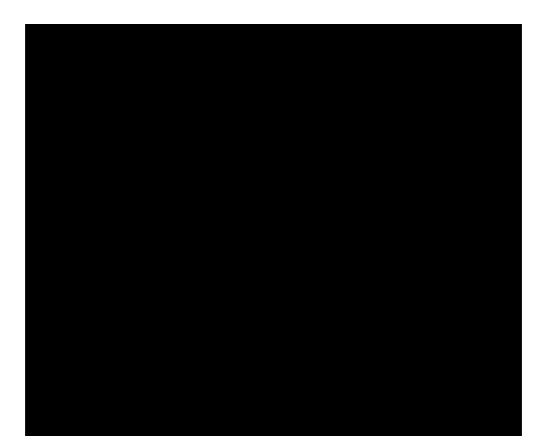
22 Elleray Road

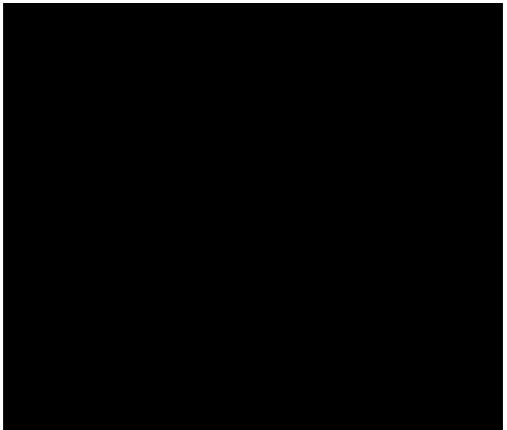


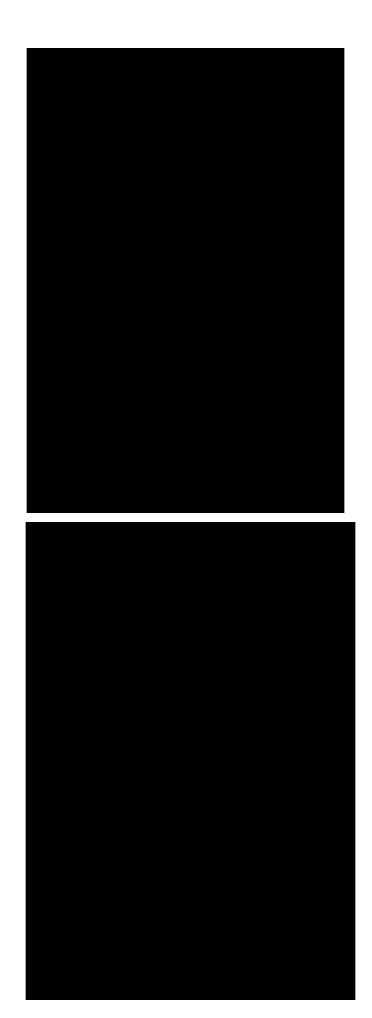


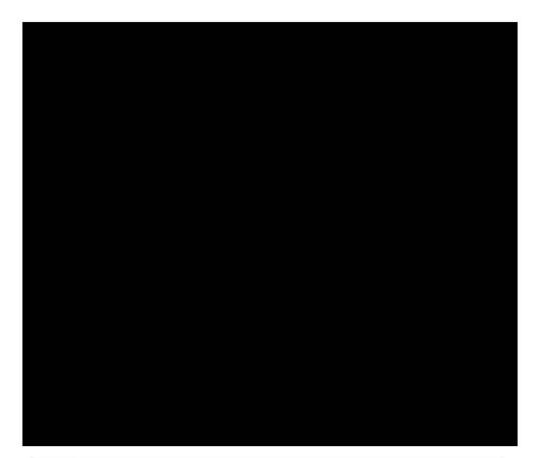


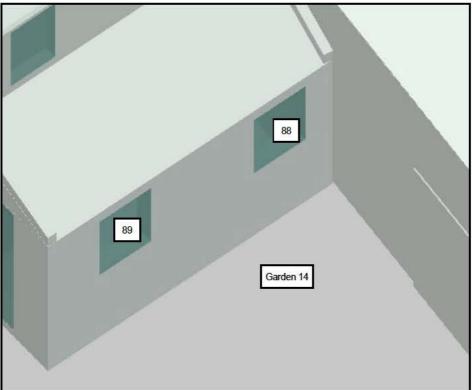
20 Elleray Road



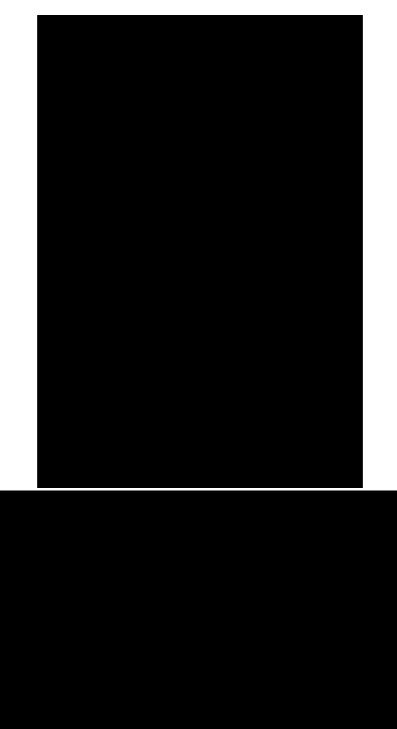




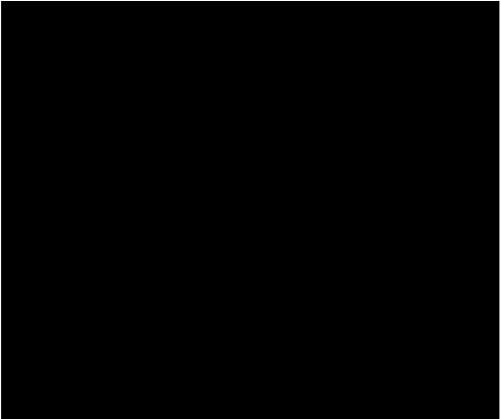




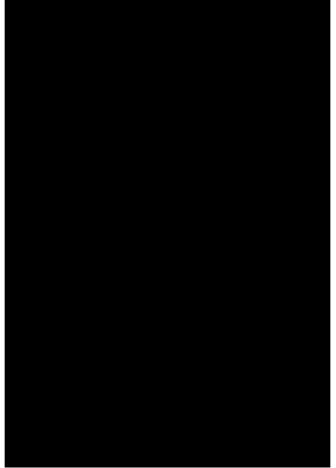
13 Middle Lane

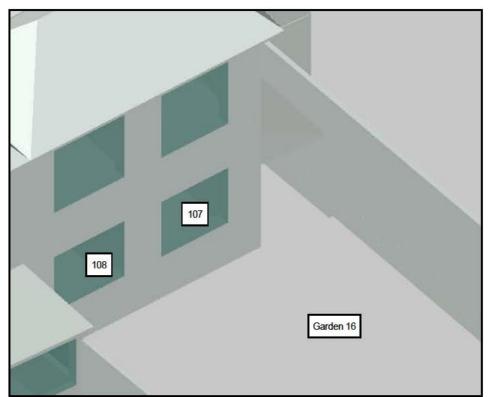








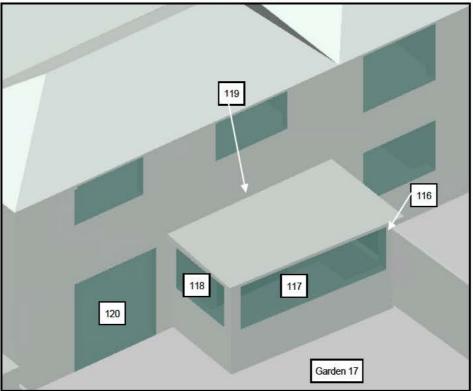




21 Middle Lane

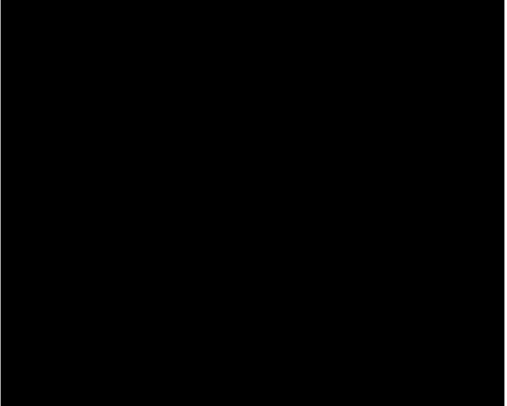


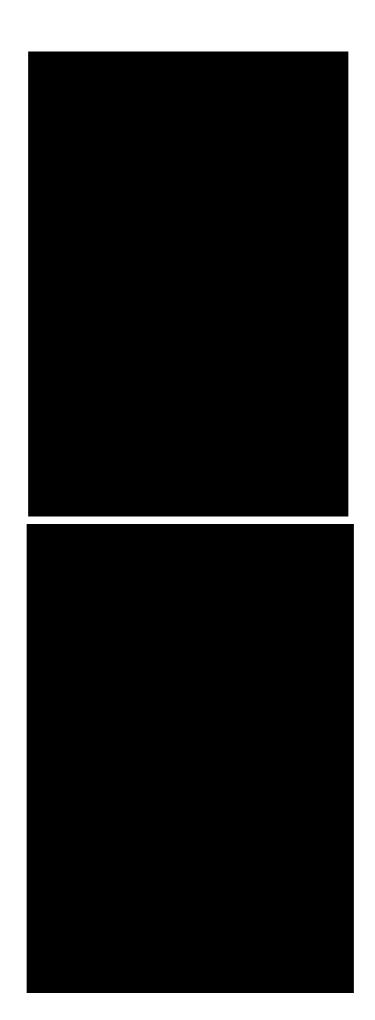


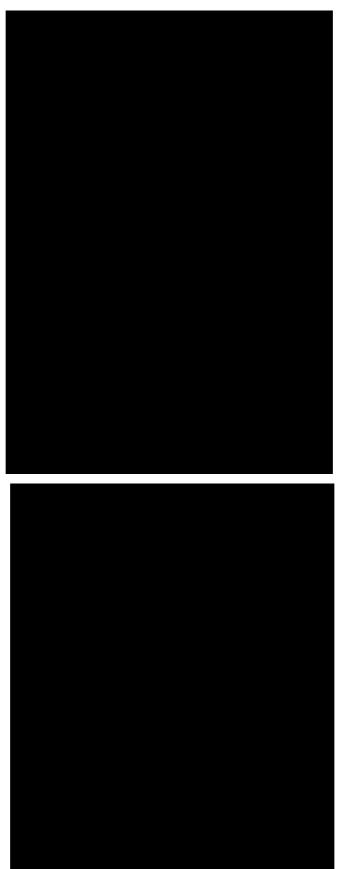


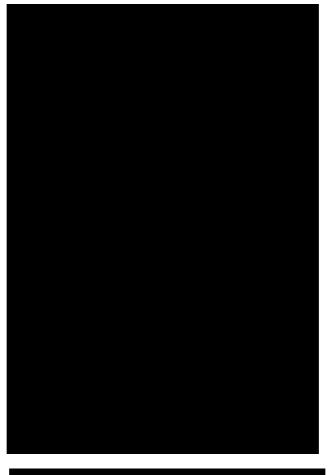
23 Middle Lane

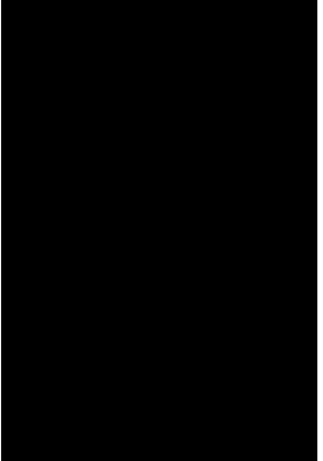


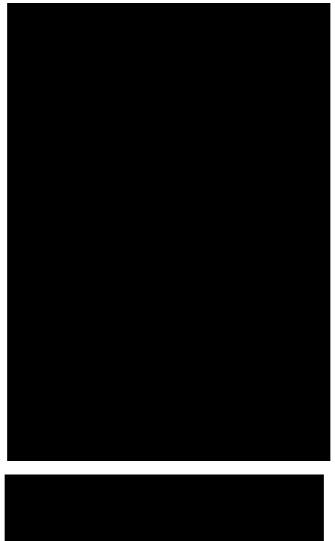












APPENDIX 2

DAYLIGHT AND SUNLIGHT RESULTS

Reference	Room Use		Vertical Sky Component					
		Before	After	Loss	Ratio			
19 North Lane								
Ground Floor								
Window 1	Domestic	24.0%	24.0%	0.0%	1.0			
Window 2	Domestic	34.6%	34.4%	0.2%	0.99			
Window 3	Domestic	34.7%	34.4%	0.3%	0.99			
First Floor								
Window 4	Domestic	37.5%	37.3%	0.2%	0.99			
21 North Lane								
Ground Floor								
Window 5	Domestic	34.6%	34.3%	0.3%	0.99			
Window 6	Domestic	34.6%	34.2%	0.4%	0.99			
Window 7 (Secondary)	Domestic	31.3%	22.6%	8.7%	0.72			
Window 8	Domestic	24.1%	17.4%	6.7%	0.72			
Window 9	Domestic	26.7%	24.6%	2.1%	0.92			
Window 10	Domestic	33.3%	25.7%	7.6%	0.77			
First Floor								
Window 11	Domestic	37.8%	37.4%	0.4%	0.99			
49 North Lane								
Ground Floor								
Window 12	Reception/Kitchen	33.8%	33.2%	0.6%	0.98			
Window 13	Reception/Kitchen	31.0%	31.0%	0.0%	1.0			
First Floor								
Window 14	Bedroom	27.0%	27.1%	-0.1%	1.0			
Window 15	Bedroom	26.9%	26.9%	0.0%	1.0			
Second Floor								
Window 16	Bathroom/WC	83.0%	83.0%	0.0%	1.0			
Window 17	Bedroom	39.4%	39.4%	0.0%	1.0			
Window 18	Bedroom	39.0%	39.0%	0.0%	1.0			
49A North Lane								
Ground Floor								
Window 19	Domestic	34.8%	33.9%	0.9%	0.97			

Reference	Room Use		Vertical Sky	Component			
		Before	After	Loss	Ratio		
Window 20	Domestic	31.8%	31.8%	0.0%	1.0		
First Floor							
Window 21	Domestic	26.8%	26.9%	-0.1%	1.0		
Window 22	Domestic	26.2%	26.2%	0.0%	1.0		
					-		
Second Floor							
Window 23	Domestic	39.4%	39.4%	0.0%	1.0		
Window 24	Domestic	38.9%	38.9%	0.0%	1.0		
Window 25	Domestic	82.7%	82.7%	0.0%	1.0		
51 North Lane							
Ground Floor							
Window 26	Domestic	35.3%	34.3%	1.0%	0.97		
Window 27	Domestic	29.5%	29.5%	0.0%	1.0		
First Floor							
Window 28	Domestic	27.0%	26.9%	0.1%	1.0		
Window 29	Domestic	26.9%	26.9%	0.0%	1.0		
Second Floor	D 11			• • • • (
Window 30	Domestic	83.1%	83.1%	0.0%	1.0		
Window 31	Domestic	39.4%	39.4%	0.0%	1.0		
Window 32	Domestic	38.8%	38.8%	0.0%	1.0		
53 North Lane							
Ground Floor							
Window 33	Domestic	34.9%	34.4%	0.5%	0.99		
Window 34	Domestic	30.8%	30.8%	0.0%	1.0		
First Floor							
Window 35	Domestic	26.9%	27.0%	-0.1%	1.0		
Window 36	Domestic	26.9%	27.0%	-0.1%	1.0		
Second Floor							
Window 37	Domestic	39.4%	39.4%	0.0%	1.0		
Window 38	Domestic	38.8%	38.8%	0.0%	1.0		

Window 39 Domestic 83.2% 83.2% 0.0% 19 Elleray Road	Ratio 1.0 1.0
19 Elleray Road Ground Floor 7.9% 27.8% 0.1% Window 40 Domestic 27.9% 27.8% 0.1% Window 41 Domestic 33.9% 33.0% 0.9% 0 Window 42 Domestic 29.7% 28.7% 1.0% 0	
Ground Floor Window 40 Domestic 27.9% 27.8% 0.1% Window 41 Domestic 33.9% 33.0% 0.9% 0 Window 42 Domestic 29.7% 28.7% 1.0% 0	1.0
Window 40 Domestic 27.9% 27.8% 0.1% Window 41 Domestic 33.9% 33.0% 0.9% 0 Window 42 Domestic 29.7% 28.7% 1.0% 0	1.0
Window 41 Domestic 33.9% 33.0% 0.9% 0.9% Window 42 Domestic 29.7% 28.7% 1.0% 0	1.0
Window 42 Domestic 29.7% 28.7% 1.0% 0	
	0.97
Window 43 Domestic 34.4% 33.7% 0.7% 0	0.97
	0.98
First Floor	
	0.99
20 Elleray Road	
Ground Floor	
Window 45 Domestic 37.4% 36.6% 0.8% 0	0.98
Window 46 Domestic 46.3% 46.3% 0.0%	1.0
Window 47 Domestic 33.0% 32.9% 0.1%	1.0
Window 48 Domestic 30.2% 30.0% 0.2% 0	0.99
First Floor	
	0.98
	1.0
	0.98
22 Elleray Road	
Ground Floor	
Window 52Reception/Kitchen/Hall32.4%32.4%0.0%	1.0
Window 53 Reception/Kitchen/Hall 33.2% 32.6% 0.6% 0	0.98
Window 54Reception/Kitchen/Hall34.0%34.0%0.0%	1.0
Window 55Reception/Kitchen/Hall34.9%34.8%0.1%	1.0
First Floor	
	0.98
Window 57 Bedroom 38.1% 37.4% 0.7% 0	0.98
Window 58 Bedroom 85.3% 85.2% 0.1%	1.0
	10
	1.0
Window 59 Bedroom 88.7% 88.7% 0.0%	1.0 0.98

Reference	Room Use		Vertical Sky	Component	
		Before	After	Loss	Ratio
24 Elleray Road					
Ground Floor					
Window 62	Domestic	33.7%	32.6%	1.1%	0.97
Window 63	Bathroom/WC	32.9%	31.7%	1.2%	0.96
Window 64	Conservatory	33.1%	32.3%	0.8%	0.98
Window 65	Conservatory	68.4%	68.0%	0.4%	0.99
Window 66	Conservatory	68.4%	68.0%	0.4%	0.99
Window 67	Conservatory	68.4%	67.9%	0.5%	0.99
Window 68	Conservatory	68.3%	67.8%	0.5%	0.99
Window 69	Conservatory	68.2%	67.8%	0.4%	0.99
Window 70	Dining	21.9%	21.5%	0.4%	0.98
Window 71	Dining	26.1%	26.0%	0.1%	1.0
First Floor					
Window 72	Domestic	37.9%	37.1%	0.8%	0.98
Window 73	Domestic	37.9%	37.0%	0.9%	0.98
26 Elleray Road					
Ground Floor					
Window 74	Living/Dining	34.1%	33.1%	1.0%	0.97
Window 75	Living/Dining	34.4%	33.5%	0.9%	0.97
Window 76	Living/Dining	33.6%	33.1%	0.5%	0.99
Window 77	Living/Dining	34.2%	33.8%	0.4%	0.99
Window 78	Kitchen	35.2%	34.2%	1.0%	0.97
Window 79	Kitchen	34.0%	33.1%	0.9%	0.97
Window 80	Kitchen	33.8%	32.9%	0.9%	0.97
Window 81 (Secondary)	Lounge	28.6%	22.5%	6.1%	0.79
Window 82	Lounge	33.5%	32.1%	1.4%	0.96
Window 83 (Secondary)	Lounge	29.3%	29.3%	0.0%	1.0
Window 84	Domestic	27.7%	26.0%	1.7%	0.94
First Floor					
Window 85	Bedroom	37.7%	37.0%	0.7%	0.98
Window 86	Bedroom	37.6%	36.8%	0.8%	0.98
Window 87	Bathroom/WC	37.0%	32.3%	4.7%	0.87

Reference	Room Use		Vertical Sky	Component	
		Before	After	Loss	Ratio
<u>13 Middle Lane</u>					
Ground Floor					
Window 88	Domestic	25.3%	25.6%	-0.3%	1.01
Window 89	Domestic	33.4%	33.8%	-0.4%	1.01
Window 90	Domestic	27.2%	28.9%	-1.7%	1.06
Window 91	Domestic	21.2%	22.9%	-1.7%	1.08
Window 92	Domestic & Staircase	24.8%	24.8%	0.0%	1.0
Window 93	Domestic	31.6%	31.6%	0.0%	1.0
First Floor					
Window 94	Domestic	35.1%	35.3%	-0.2%	1.01
Window 95	Domestic	36.2%	36.5%	-0.3%	1.01
Window 96	Domestic	27.3%	27.6%	-0.3%	1.01
<u>15 Middle Lane</u>					
Ground Floor					
Window 97	Living Room & Staircase	33.7%	34.7%	-1.0%	1.03
Window 98	Living Room	29.6%	29.5%	0.1%	1.0
Window 99	Kitchen	29.6%	31.0%	-1.4%	1.05
Window 100	Kitchen	29.8%	31.5%	-1.7%	1.06
Window 101	Bathroom/WC	23.0%	21.0%	2.0%	0.91
First Floor					
Window 102	Bedroom	30.0%	30.6%	-0.6%	1.02
21 Middle Lane					
Ground Floor					
Window 103	Domestic	23.7%	23.7%	0.0%	1.0
Window 104 (Secondary)	Domestic	6.1%	4.5%	1.6%	0.74
Window 105	Domestic	26.6%	22.2%	4.4%	0.83
Window 106	Domestic	30.4%	24.3%	6.1%	0.8
Window 107	Domestic	32.6%	32.1%	0.5%	0.98
Window 108	Domestic	32.0%	31.4%	0.6%	0.98
Window 109	Domestic	26.3%	26.2%	0.1%	1.0
Window 110	Domestic	28.1%	27.2%	0.9%	0.97

Before After Loss Ratio First Floor	Reference	Room Use		Vertical Sky	Component			
Window 111 Domestic 36.2% 34.8% 1.4% 0.96 Window 112 Domestic 29.8% 29.7% 0.1% 1.0 Window 113 Domestic 35.8% 32.3% 3.5% 0.9 Window 114 Domestic 32.4% 32.3% 0.2% 0.99 Window 115 Domestic 32.4% 32.3% 0.1% 1.0 23 Middle Lane 32.3% 0.1% 1.0 23 Middle Lane 0.99 0.99 Window 116 Unknown 18.6% 18.0% 0.6% 0.97 Window 118 Unknown 18.4% 16.4% 0.9% 1.0 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 122 Living/Dining/Kitchen 35.9% 31.4% 4.6% 0.86			Before	After	Loss	Ratio		
Window 112 Domestic 29.8% 29.7% 0.1% 1.0 Window 113 Domestic 35.8% 32.3% 3.5% 0.9 Window 114 Domestic 32.5% 32.3% 0.2% 0.99 Window 115 Domestic 32.4% 32.3% 0.1% 1.0 23 Middle Lane	First Floor							
Window 113 Domestic 35.8% 32.3% 3.5% 0.9 Window 114 Domestic 32.5% 32.3% 0.2% 0.99 Window 115 Domestic 32.4% 32.3% 0.1% 1.0 23 Middle Lane Unknown 18.6% 18.0% 0.6% 0.97 Window 116 Unknown 18.4% 1.6% 0.2% 0.99 Window 118 Unknown 18.4% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.6% 0.86 Window 124 Hallway & Staircase 33.0% 28.4%	Window 111	Domestic	36.2%	34.8%	1.4%	0.96		
Window 114 Domestic 32.5% 32.3% 0.2% 0.99 Window 115 Domestic 32.4% 32.3% 0.1% 1.0 23 Middle Lane	Window 112	Domestic	29.8%	29.7%	0.1%	1.0		
Window 115 Domestic 32.4% 32.3% 0.1% 1.0 23 Middle Lane	Window 113	Domestic	35.8%	32.3%	3.5%	0.9		
23 Middle Lane Ground Floor Window 116 Unknown 18.6% 18.0% 0.6% 0.97 Window 117 Unknown 31.3% 31.1% 0.2% 0.99 Window 117 Unknown 18.4% 18.4% 0.0% 1.0 Window 118 Unknown 18.4% 18.4% 0.0% 1.0 Window 119 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 120 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 121 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.6% 0.86 Window 124 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 Eirst Floor Window 126 Bedroom 30.4% 30.4% 2.1% 0.94 Window 128 Staircase <t< td=""><td>Window 114</td><td>Domestic</td><td>32.5%</td><td>32.3%</td><td>0.2%</td><td>0.99</td></t<>	Window 114	Domestic	32.5%	32.3%	0.2%	0.99		
Ground Floor Vindow 116 Unknown 18.6% 18.0% 0.6% 0.97 Window 117 Unknown 31.3% 31.1% 0.2% 0.99 Window 118 Unknown 18.4% 18.4% 0.0% 1.0 Window 119 Living/Dining/Kitchen 1.8% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 128 Bedroom 30.4% 30.4% 0.0% 1.0 Window 129 Bedroom 36.5% 34.4%	Window 115	Domestic	32.4%	32.3%	0.1%	1.0		
Window 116 Unknown 18.6% 18.0% 0.6% 0.97 Window 117 Unknown 31.3% 31.1% 0.2% 0.99 Window 118 Unknown 18.4% 18.4% 0.0% 1.0 Window 119 Living/Dining/Kitchen 1.8% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 25 Middle Lane Vindow 130 Domestic 25.9% 24.9% 1.	23 Middle Lane							
Window 117 Unknown 31.3% 31.1% 0.2% 0.99 Window 118 Unknown 18.4% 18.4% 0.0% 1.0 Window 119 Living/Dining/Kitchen 1.8% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 25 Middle Lane Vindow 130 Domestic 25.9% 24.9%	Ground Floor							
Window 118 Unknown 18.4% 18.4% 0.0% 1.0 Window 119 Living/Dining/Kitchen 1.8% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Staircase 35.7% 30.2% 3.5%								
Window 119 Living/Dining/Kitchen 1.8% 1.6% 0.2% 0.89 Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Vindow 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 36.0% 33.9%	Window 117							
Window 120 Living/Dining/Kitchen 30.7% 30.6% 0.1% 1.0 Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Vindow 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 126 Bedroom 30.3% 30.3% 0.9% 1.0 Window 127 Bedroom 36.5% 34.4% 2.1% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane 25.9% 24.9% 1.0% 0.96 Window 130 Domestic 25.9% 24.9% 1.0% 0.94	Window 118				0.0%			
Window 121 Living/Dining/Kitchen 32.8% 29.4% 3.4% 0.9 Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Uindow 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 130 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9%<	Window 119	Living/Dining/Kitchen	1.8%	1.6%	0.2%			
Window 122 Living/Dining/Kitchen 35.9% 31.7% 4.2% 0.88 Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 126 Bedroom 30.3% 30.3% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Vindow 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane 95.9% 24.9% 1.0% 0.96 Window 130 Domestic 25.9% 24.9% 1.0% 0.94 Window 132 Domestic 36.0%	Window 120	Living/Dining/Kitchen	30.7%	30.6%	0.1%	1.0		
Window 123 Living/Dining/Kitchen 35.9% 31.4% 4.5% 0.87 Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor 0.99 First Floor 30.4% 30.4% 0.0% 1.0 Window 126 Bedroom 30.3% 30.3% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Vindow 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane 9 <t< td=""><td>Window 121</td><td>Living/Dining/Kitchen</td><td>32.8%</td><td>29.4%</td><td>3.4%</td><td>0.9</td></t<>	Window 121	Living/Dining/Kitchen	32.8%	29.4%	3.4%	0.9		
Window 124 Hallway & Staircase 33.0% 28.4% 4.6% 0.86 Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor 0.3% 0.99 0.99 First Floor 0.3% 0.99 Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Window 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor 0.94 Window 133 Domestic 36.0% 33.9%	Window 122	Living/Dining/Kitchen	35.9%	31.7%	4.2%	0.88		
Window 125 Hallway & Staircase 27.4% 27.1% 0.3% 0.99 First Floor Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 126 Bedroom 30.3% 30.3% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Vindow 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Mindow 132 Domestic 36.0% 33.9% 2.1% 0.94 Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 123	Living/Dining/Kitchen	35.9%	31.4%	4.5%	0.87		
First Floor Staircase 30.4% 30.4% 0.0% 1.0 Window 126 Bedroom 30.3% 30.3% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Vindow 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 130 Domestic 33.7% 30.2% 3.5% 0.9 Window 131 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Vindow 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 124	Hallway & Staircase	33.0%	28.4%	4.6%	0.86		
Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane	Window 125	Hallway & Staircase	27.4%	27.1%	0.3%	0.99		
Window 126 Bedroom 30.4% 30.4% 0.0% 1.0 Window 127 Bedroom 30.3% 30.3% 0.0% 1.0 Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane	First Floor							
Window 128 Staircase 31.6% 29.7% 1.9% 0.94 Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane	Window 126	Bedroom	30.4%	30.4%	0.0%	1.0		
Window 129 Bedroom 36.5% 34.4% 2.1% 0.94 25 Middle Lane Ground Floor 25.9% 24.9% 1.0% 0.96 Window 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 127	Bedroom	30.3%	30.3%	0.0%	1.0		
25 Middle Lane Ground Floor Window 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 128	Staircase	31.6%	29.7%	1.9%	0.94		
Ground Floor Window 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 129	Bedroom	36.5%	34.4%	2.1%	0.94		
Window 130 Domestic 25.9% 24.9% 1.0% 0.96 Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	25 Middle Lane							
Window 131 Domestic 33.7% 30.2% 3.5% 0.9 Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Mindow 133 Domestic 95.4% 95.3% 0.1% 1.0	Ground Floor							
Window 132 Domestic 36.0% 33.9% 2.1% 0.94 First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 130	Domestic	25.9%	24.9%	1.0%	0.96		
First Floor Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 131	Domestic	33.7%	30.2%	3.5%	0.9		
Window 133 Domestic 95.4% 95.3% 0.1% 1.0	Window 132	Domestic	36.0%	33.9%	2.1%	0.94		
Window 133 Domestic 95.4% 95.3% 0.1% 1.0	First Floor							
		Domestic	95.4%	95.3%	0.1%	1.0		
	Window 134	Domestic	34.9%	33.1%	1.8%			

Reference	Room Use		Vertical Sky Component							
		Before	After	Loss	Ratio					
27 Middle Lane										
Ground Floor										
Window 135	Domestic	17.8%	16.2%	1.6%	0.91					
Window 136	Domestic	36.4%	35.2%	1.2%	0.97					
Window 137	Domestic	20.0%	20.4%	-0.4%	1.02					
Window 138	Domestic	14.3%	13.3%	1.0%	0.93					
Window 139	Domestic	32.3%	32.3%	0.0%	1.0					
First Floor										
Window 140	Domestic	35.0%	33.7%	1.3%	0.96					

Appendix 2 - Daylight Distribution Elleray Hall and East Car Park, London TW11 0HN

Reference	Room Use		vistribution			
		Before	After	Loss	Ratio	
49 North Lane						
<u>Ground Floor</u> Windows 12 & 13	Reception/Kitchen	96%	96%	0.0%	1.0	
<u>First Floor</u> Window 14 Window 15	Bedroom Bedroom	99% 99%	99% 99%	0.0% 0.0%	1.0 1.0	
<u>Second Floor</u> Window 16 Windows 17 & 18 <u>22 Elleray Road</u>	Bathroom/WC Bedroom	98% 93%	98% 93%	0.0% 0.0%	1.0 1.0	
<u>Ground Floor</u> Windows 52 to 55	Reception/Kitchen/Hall	98%	98%	0.0%	1.0	
<u>First Floor</u> Windows 56 to 59 Windows 60 & 61 <u>24 Elleray Road</u>	Bedroom Bathroom/WC	100% 100%	100% 100%	0.0% 0.0%	1.0 1.0	
Ground Floor Window 62 Window 63 Windows 64 to 69 Windows 70 & 71 26 Elleray Road	Domestic Bathroom/WC Conservatory Dining	98% 98% 100% 99%	98% 98% 100% 99%	0.0% 0.0% 0.0% 0.0%	1.0 1.0 1.0 1.0	
<u>Ground Floor</u> Windows 74 to 77 Windows 78 to 80 Windows 81 to 83 Window 84	Living/Dining Kitchen Lounge Domestic	99% 98% 99% 78%	99% 98% 99% 78%	0.0% 0.0% 0.0% 0.0%	1.0 1.0 1.0 1.0	
<u>First Floor</u> Windows 85 & 86	Bedroom	96%	96%	0.0%	1.0	

Appendix 2 - Daylight Distribution Elleray Hall and East Car Park, London TW11 0HN

Reference	Room Use	Daylight Distribution					
		Before	After	Loss	Ratio		
Window 87	Bathroom/WC	94%	94%	0.0%	1.0		
<u>15 Middle Lane</u>							
Ground Floor							
Windows 97 & 98	Living Room	92%	92%	0.0%	1.0		
Windows 99 & 100	Kitchen	99%	99%	0.0%	1.0		
Window 101	Bathroom/WC	94%	94%	0.0%	1.0		
Window 97	Staircase	58%	58%	0.0%	1.0		
First Floor							
Window 102	Bedroom	92%	92%	0.0%	1.0		
23 Middle Lane							
Ground Floor							
Windows 116 to 118	Unknown	99%	99%	0.0%	1.0		
Windows 119 to 123	Living/Dining/Kitchen	99%	97%	2.0%	0.98		
Windows 124 & 125	Hallway	98%	76%	22.0%	0.78		
First Floor							
Window 126	Bedroom	99%	99%	0.0%	1.0		
Window 127	Bedroom	98%	98%	0.0%	1.0		
Window 128	Staircase	53%	53%	0.0%	1.0		
Window 129	Bedroom	97%	97%	0.0%	1.0		

	iu East Gai Park, Loii				Sunlight t	o Windov	vs			
Reference	Room Use	٦	Total Sunlight Hours				Winter Sunlight Hours			
		Before	After	Loss	Ratio	Before	After	Loss	Ratio	
21 North Lane										
Ground Floor										
Window 7	Domestic	64%	54%	10%	0.84	21%	11%	10%	0.52	
Window 8	Domestic	54%	46%	8%	0.85	18%	10%	8%	0.56	
Window 10	Domestic	79%	70%	9%	0.89	23%	12%	11%	0.52	
49 North Lane										
<u>Ground Floor</u> Window 13	Reception/Kitchen	58%	58%	0%	1.0	20%	20%	0%	1.0	
Second Floor Window 18 49A North Lane	Bedroom	67%	67%	0%	1.0	24%	24%	0%	1.0	
Ground Floor Window 20	Domestic	47%	47%	0%	1.0	12%	12%	0%	1.0	
<u>Second Floor</u> Window 24	Domestic	67%	67%	0%	1.0	24%	24%	0%	1.0	
51 North Lane	Domestic	07 /8	07 /0	070	1.0	2470	2470	070	1.0	
Ground Floor Window 27	Domestic	55%	55%	0%	1.0	17%	17%	0%	1.0	
Second Floor	– – –	0-0 (0- 0(•••		e 10/	0 404	0 01		
Window 32 53 North Lane	Domestic	67%	67%	0%	1.0	24%	24%	0%	1.0	
Ground Floor										
Window 34	Domestic	45%	45%	0%	1.0	10%	10%	0%	1.0	
Second Floor										
Window 38	Domestic	67%	67%	0%	1.0	24%	24%	0%	1.0	
19 Elleray Road										
Ground Floor										
Window 41	Domestic	53%	51%	2%	0.96	17%	15%	2%	0.88	
Window 42	Domestic	58%	56%	2%	0.97	19%	17%	2%	0.89	
Window 43	Domestic	55%	53%	2%	0.96	19%	17%	2%	0.89	
First Floor										
Window 44	Domestic	57%	57%	0%	1.0	19%	19%	0%	1.0	

	d East Car Park, Londo				Sunliaht t	o Window	/S		
Reference	Room Use	Т	otal Sur	nlight Hou				nlight Hc	ours
Reference		Before	After	Loss	Ratio	Before	After	Loss	Ratio
20 Elleray Road		Bororo		2000	rano	Boloro		2000	rialio
Ground Floor									
Window 45	Domestic	58%	57%	1%	0.98	20%	19%	1%	0.95
Window 47	Domestic	52%	52%	0%	1.0	15%	15%	0%	1.0
Window 48	Domestic	37%	37%	0%	1.0	3%	3%	0%	1.0
	Domodilo	0170	0170	070	1.0	070	070	070	1.0
First Floor									
Window 49	Domestic	58%	56%	2%	0.97	20%	18%	2%	0.9
Window 50	Domestic	86%	86%	0%	1.0	25%	25%	0%	1.0
Window 51	Domestic	58%	57%	1%	0.98	20%	19%	1%	0.95
22 Elleray Road									
Ground Floor									
Window 52	Reception/Kitchen/Hall	51%	51%	0%	1.0	16%	16%	0%	1.0
Window 53	Reception/Kitchen/Hall	52%	52%	0%	1.0	17%	17%	0%	1.0
	·								
First Floor									
Window 56	Bedroom	58%	57%	1%	0.98	20%	19%	1%	0.95
Window 57	Bedroom	58%	57%	1%	0.98	20%	19%	1%	0.95
Window 58	Bedroom	89%	89%	0%	1.0	27%	27%	0%	1.0
Window 59	Bedroom	88%	88%	0%	1.0	27%	27%	0%	1.0
Window 60	Bathroom/WC	58%	57%	1%	0.98	20%	19%	1%	0.95
Window 61	Bathroom/WC	83%	83%	0%	1.0	24%	24%	0%	1.0
24 Elleray Road									
Ground Floor									
Window 62	Domestic	53%	52%	1%	0.98	17%	16%	1%	0.94
Window 63	Bathroom/WC	46%	45%	1%	0.98	9%	8%	1%	0.89
Window 64	Conservatory	54%	53%	1%	0.98	18%	17%	1%	0.94
Window 65	Conservatory	69%	68%	1%	0.99	23%	22%	1%	0.96
Window 66	Conservatory	68%	67%	1%	0.99	22%	21%	1%	0.95
Window 67	Conservatory	68%	66%	2%	0.97	22%	21%	1%	0.95
Window 68	Conservatory	68%	66%	2%	0.97	22%	21%	1%	0.95
Window 69	Conservatory	67%	65%	2%	0.97	21%	20%	1%	0.95
Window 70	Dining	44%	44%	0%	1.0	15%	15%	0%	1.0
Window 71	Dining	39%	39%	0%	1.0	11%	11%	0%	1.0
First Floor									
Window 72	Domestic	58%	57%	1%	0.98	20%	19%	1%	0.95
Window 73	Domestic	57%	57%	0%	1.0	20 <i>%</i> 19%	19%	0%	1.0
	DOMESHE	51 /0	51 /0	U /0	1.0	13/0	13/0	0 /0	1.0

	d East Car Park, Londo				Sunlight t	o Window	vs		
Reference	Room Use	Т	otal Sur	nlight Hou	urs	W	/inter Su	nlight Ho	urs
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
26 Elleray Road									
Ground Floor									
Window 74	Living/Dining	55%	52%	3%	0.95	17%	16%	1%	0.94
Window 75	Living/Dining	55%	52%	3%	0.95	17%	16%	1%	0.94
Window 78	Kitchen	54%	50%	4%	0.93	16%	14%	2%	0.88
Window 79	Kitchen	52%	49%	3%	0.94	14%	12%	2%	0.86
Window 80	Kitchen	51%	49%	2%	0.96	13%	11%	2%	0.85
Window 81	Lounge	45%	35%	10%	0.78	11%	2%	9%	0.18
First Floor									
Window 85	Bedroom	57%	56%	1%	0.98	19%	19%	0%	1.0
Window 86	Bedroom	57%	56%	1%	0.98	19%	18%	1%	0.95
Window 87	Bathroom/WC	84%	81%	3%	0.96	27%	24%	3%	0.89
13 Middle Lane									
Ground Floor									
Window 88	Domestic	56%	57%	-1%	1.02	20%	21%	-1%	1.05
Window 89	Domestic	75%	76%	-1%	1.01	24%	25%	-1%	1.04
Window 90	Domestic	48%	50%	-2%	1.04	16%	18%	-2%	1.13
Window 91	Domestic	46%	48%	-2%	1.04	16%	18%	-2%	1.13
Window 92	Domestic & Staircase	54%	54%	0%	1.0	19%	19%	0%	1.0
First Floor									
Window 94	Domestic	77%	79%	-2%	1.03	27%	29%	-2%	1.07
Window 95	Domestic	81%	83%	-2%	1.02	28%	30%	-2%	1.07
Window 96	Domestic	56%	57%	-1%	1.02	24%	25%	-1%	1.04
15 Middle Lane									
Ground Floor									
Window 97	Living Room & Staircase	77%	79%	-2%	1.03	25%	27%	-2%	1.08
Window 99	Kitchen	66%	68%	-2%	1.03	23%	25%	-2%	1.09
Window 100	Kitchen	67%	72%	-5%	1.07	22%	25%	-3%	1.14
Window 101	Bathroom/WC	31%	25%	6%	0.81	2%	2%	0%	1.0
First Floor									
Window 102	Bedroom	64%	66%	-2%	1.03	27%	29%	-2%	1.07
21 Middle Lane									-
Ground Floor									
Window 107	Domestic	76%	76%	0%	1.0	24%	24%	0%	1.0
Window 108	Domestic	78%	77%	1%	0.99	22%	22%	0%	1.0

	d Last Gal Tark, Lond	Sunlight to Windows							
Reference	Room Use	Total Sunlight		light Hou	ht Hours		Winter Sunlight Ho		ours
		Before	After	Loss	Ratio	Before	After	Loss	Ratio
First Floor									
Window 114	Domestic	80%	79%	1%	0.99	30%	29%	1%	0.97
Window 115	Domestic	77%	77%	0%	1.0	30%	30%	0%	1.0
23 Middle Lane									
Ground Floor									
Window 117	Unknown	79%	78%	1%	0.99	26%	25%	1%	0.96
Window 118	Unknown	38%	38%	0%	1.0	13%	13%	0%	1.0
Window 119	Living/Dining/Kitchen	4%	3%	1%	0.75	3%	2%	1%	0.67
Window 120	Living/Dining/Kitchen	74%	74%	0%	1.0	22%	22%	0%	1.0
Window 125	Hallway & Staircase	35%	35%	0%	1.0	6%	6%	0%	1.0
First Floor									
Window 126	Bedroom	71%	71%	0%	1.0	29%	29%	0%	1.0
Window 127	Bedroom	72%	72%	0%	1.0	30%	30%	0%	1.0
27 Middle Lane									
Ground Floor									
Window 137	Domestic	13%	13%	0%	1.0	0%	0%	0%	1.0
Window 139	Domestic	44%	44%	0%	1.0	15%	15%	0%	1.0

				ng of logat two-	ouro of o	uplight on Odet	lorab	
Reference	Total Area	Area receiving at least two hours of sunlight on 21st March Before After Loss			warch	Ratio		
10 North Long		Belore		Alter		Loss		Ratio
19 North Lane								
Ground Floor	45.000	04.750	FF0 /	04750	FF 0/	0.00	00/	1.0
Garden 1	45.32 m2	24.75 m2	55%	24.75 m2	55%	0.0 m2	0%	1.0
21 North Lane								
Ground Floor								
Garden 2	43.9 m2	24.81 m2	57%	25.35 m2	58%	-0.54 m2	-1%	1.02
49 North Lane								
Ground Floor								
Garden 3	45.51 m2	29.57 m2	65%	29.57 m2	65%	0.0 m2	0%	1.0
49A North Lane								
Ground Floor								
Garden 4	54.87 m2	30.36 m2	55%	30.36 m2	55%	0.0 m2	0%	1.0
51 North Lane								
Ground Floor								
Garden 5	34.94 m2	23.89 m2	68%	23.89 m2	68%	0.0 m2	0%	1.0
53 North Lane								
Ground Floor								
Garden 6	31.62 m2	6.81 m2	22%	6.81 m2	22%	0.0 m2	0%	1.0
55 North Lane								
Ground Floor								
Garden 7	25.01 m2	18.25 m2	73%	18.25 m2	73%	0.0 m2	0%	1.0
57 North Lane								
Ground Floor								
Garden 8	26.17 m2	18.74 m2	72%	18.74 m2	72%	0.0 m2	0%	1.0
19 Elleray Road								
Ground Floor								
Garden 9	10.66 m2	5.87 m2	55%	5.87 m2	55%	0.0 m2	0%	1.0
20 Elleray Road								
Ground Floor								
Garden 10	35.71 m2	25.55 m2	72%	25.55 m2	72%	0.0 m2	0%	1.0
22 Elleray Road								
<u>Ground Floor</u> Garden 11	32.1 m2	22.61 m2	70%	22.61 m2	70%	0.0 m2	0%	1.0
						5.0 mL	0,0	

Appendix 2 - Overshadowing to Gardens and Open Spaces Elleray Hall and East Car Park, London TW11 0HN

Elleray Hall and I Reference	East Car Park, I Total Area			ng at least two k		unlight on 21st I	Jareb -	
24 Elleray Road		Are	ea receivi	ng at least two r	IOUIS OFS	unlight off 21St I	marcri	
<u>Ground Floor</u> Garden 12	37.41 m2	27.71 m2	74%	27.71 m2	74%	0.0 m2	0%	1.0
26 Elleray Road								
<u>Ground Floor</u> Garden 13	32.73 m2	18.65 m2	57%	18.57 m2	57%	0.08 m2	0%	1.0
13 Middle Lane								
<u>Ground Floor</u> Garden 14	186.93 m2	173.35 m2	93%	173.35 m2	93%	0.0 m2	0%	1.0
15 Middle Lane								
<u>Ground Floor</u> Garden 15	286.24 m2	263.2 m2	92%	264.86 m2	93%	-1.66 m2	-1%	1.01
21 Middle Lane								
<u>Ground Floor</u> Garden 16	87.04 m2	62.19 m2	71%	62.19 m2	71%	0.0 m2	0%	1.0
23 Middle Lane								
<u>Ground Floor</u> Garden 17 Garden 18	94.02 m2 11.34 m2	71.03 m2 2.94 m2	76% 26%	71.03 m2 2.94 m2	76% 26%	0.0 m2 0.0 m2	0% 0%	1.0 1.0
25 Middle Lane								
<u>Ground Floor</u> Garden 19 Garden 20	29.01 m2 8.24 m2	13.53 m2 0.0 m2	47% 0%	13.53 m2 0.0 m2	47% 0%	0.0 m2 0.0 m2	0% 0%	1.0 1.0
27 Middle Lane								
<u>Ground Floor</u> Garden 21	26.3 m2	8.42 m2	32%	8.42 m2	32%	0.0 m2	0%	1.0
20 Park Lane								
<u>Ground Floor</u> Garden 22	78.61 m2	68.91 m2	88%	68.91 m2	88%	0.0 m2	0%	1.0
22 Park Lane								
<u>Ground Floor</u> Garden 23	210.86 m2	183.21 m2	87%	183.21 m2	87%	0.0 m2	0%	1.0
24 Park Lane								
<u>Ground Floor</u> Garden 24	66.98 m2	56.28 m2	84%	56.28 m2	84%	0.0 m2	0%	1.0

Appendix 2 - Overshadowing to Gardens and Open Spaces Elleray Hall and East Car Park, London TW11 0HN

Elleray hall allu East Car Fark, London TWTT offin								
Reference	Total Area	Total Area Area receiving at least two hours of sunlight on 21st March						
26 Park Lane								
Ground Floor								
Garden 25	95.73 m2	70.86 m2	74%	70.86 m2	74%	0.0 m2	0%	1.0
28 Park Lane								
Ground Floor								
Garden 26	104.84 m2	58.55 m2	56%	58.55 m2	56%	0.0 m2	0%	1.0

Appendix 2 - Overshadowing to Gardens and Open Spaces Elleray Hall and East Car Park, London TW11 0HN

APPENDIX 3

ALTERNATIVE DAYLIGHT RESULT

Appendix 3 - Alternative Vertical Sky Component Result Elleray Hall and East Car Park, London TW11 0HN

Reference	Room Use	Vertical Sky Component				
		Before	After	Loss	Ratio	
21 North Lane						
Ground Floor Window 8	Domestic	35.1%	27.6%	7.5%	0.79	

APPENDIX 4

OVERSHADOWING TO GARDENS AND OPEN SPACES

