



Consulting Engineers
London | Kent | East Sussex

DAY LIGHT CALCULATION

FIRST URBAN GROUP

THE RAILWAY, LONDON, NW6 2LU



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THE RAILWAY, LONDON, NW6 2LU

Client:

First Urban (WH) Limited

Project Site Address:

The Railway
100 West End Lane
London
NW6 2LU

Prepared By:

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1.0 INTRODUCTION

Crofton have been appointed to calculate the day lighting levels for the proposed new office and residential development at The Railway.

In order to calculate the day light levels a 3D model of the building was created using the software package IES Virtual Environment, version 6.1.1.

This report details the results, which indicate that all of the occupied spaces to the residential units are above the threshold of 1% daylight factor.

2.0 TABULATED DAYLIGHT CALCULATIONS

Room Name	Floor Area	Av Illumination (%)
Office Accommodation		
1 st Office East WC1	0.27	9.46
1 st Office East WC2	0.18	0
1 st Office East WC3	2.198	0
1 st Office East	72.3	2.51
1 st Office West WC1	0.27	0
1 st Office West WC2	0.359	0
1 st Office West	72.249	3.73
Residential Plot 1 – Second Floor		
Bath	1.51	1.96
Bed 1	11.771	2.37
Bed 2	6.076	1.30
En-Suite	0.45	0
Hall	2.158	0
Living/Kitchen	17.38	1.68
Residential Plot 2 – Second Floor		
Bath	1.082	0
Bed	10.872	1.58
Hall	2.18	0
Living/Kitchen	14.274	1.45
Residential Plot 3 – Second Floor		
Bath	1.17	4.56
Bed 1	8.125	4.04
Bed 2	7.167	1.56
Hall	1.35	0
Living/Kitchen	13.85	2.37
Residential Plot 4 – Third Floor		
Bath	0.91	0
Bed 1	9.946	1.33
Bed 2	4.708	2.43
Living/Kitchen	11.969	2.13
Residential Plot 5 – Third Floor		
Bath	1.2	0
Bed	7.0	1.58
Hall	1.1	0
Living/Kitchen	12.6	2.37
Residential Plot 6 – Third Floor		
Bath	0.84	1.81
Living/Kitchen	18.869	1.97