

Co-Op Milton Road Gravesend

Installation : Exterior Spill Light

Project number :

Customer :

Processed by : HSR

Date : 30.01.2024

Project description:

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

The following values are based on precise calculations performed on calibrated lamps and luminaires, and their configurations, whereby gradual, unavoidable deviations can occur in practice. All guarantee claims are excluded for the specified data.

This exclusion of liability applies irrespective of the legal grounds for both damages and consequential damages suffered by users and third parties.

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1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Luminaire data/Room elements

Product data:

Type No. Make

2	3 x	Order No.	:	
		Luminaire name	:	
		Equipment	:	1 x 49 10 W / 624 lm

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1 Exterior 1

1.1 Description, Exterior 1

1.1.1 Luminaire data/Room elements

Floor with luminaire and sensor positions:



No.	Centre point			Rotation angle			Target coordinates		
	X [m]	Y [m]	Z [m]	Z [°]	C0 [°]	C90 [°]	Xa [m]	Ya [m]	Za [m]
1	104.95	21.59	3.40	350.16	-10.00	0.00	104.85	21.00	0.00
2	99.51	22.76	3.40	350.16	-10.00	0.00	99.40	22.17	0.00
3	93.92	23.93	3.40	350.16	-10.00	0.00	93.82	23.33	0.00

Structural elements

Measuring surface

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle	
							L axis	Q axis
Ref. plane 1.1	86.12	50.51	0.00	29.58	40.86	270.00	0.00	0.00
Footpath								
M 1	92.17	23.76	0.00	14.98	4.98	347.69	0.00	0.00

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1 Exterior 1

1.1 Description, Exterior 1

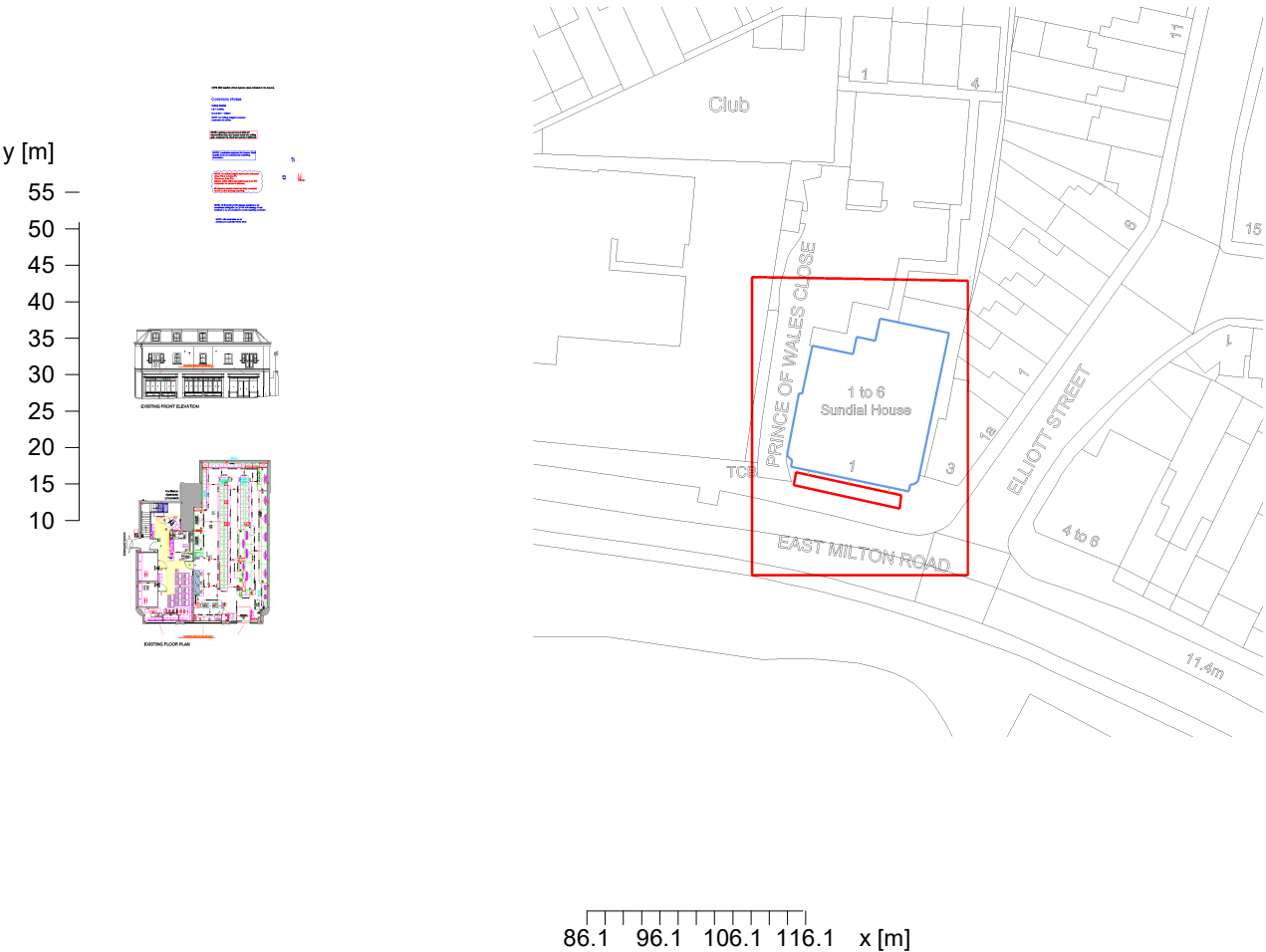
1.1.1 Luminaire data/Room elements

Others

No.	xm[m]	ym[m]	zm[m]	Length	Width	z axis	Rotation angle		rho[%]
							L axis	Q axis	
A 1	91.46	24.53	0.00	22.57	25.64	78.86	0.00	0.00	30

1.1 Description, Exterior 1

1.1.2 Floor plan



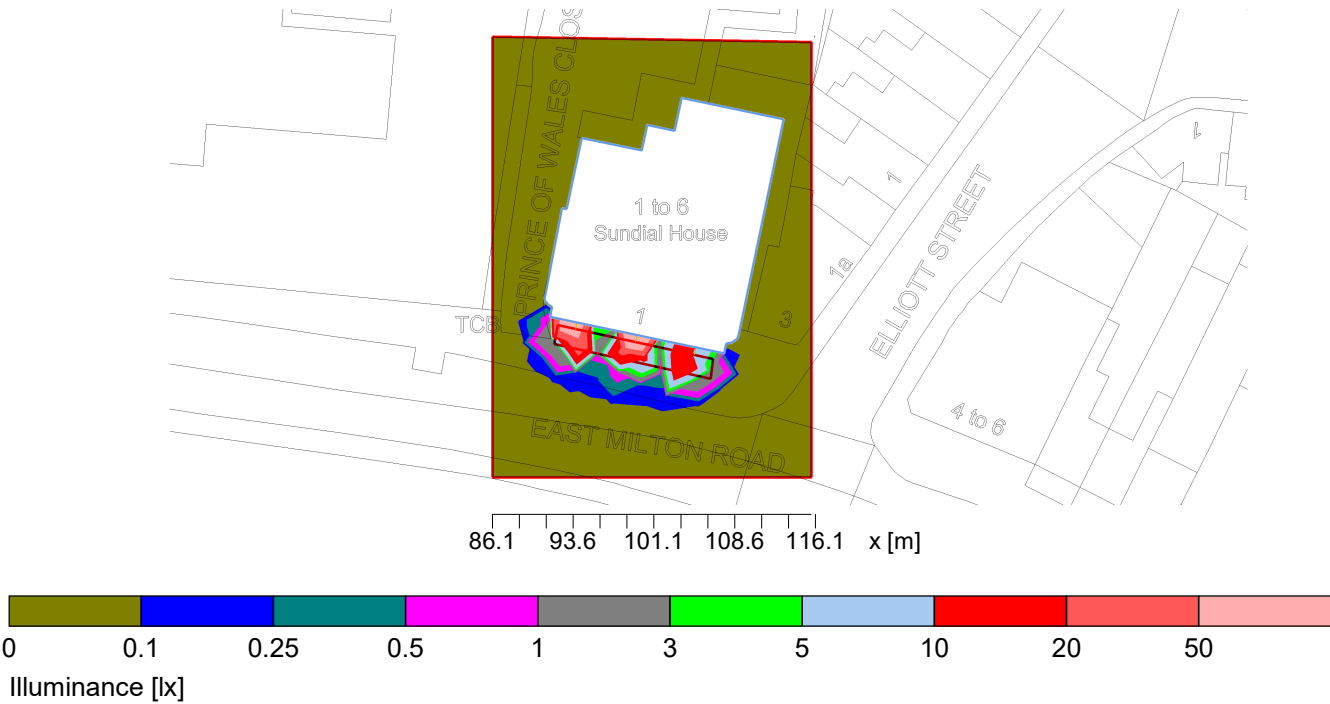
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1 Exterior 1

1.2 Summary, Exterior 1

1.2.1 Result overview, Evaluation area 1



General

Calculation algorithm used	Average indirect fraction
Height (phot centre)	3.40 m
Maintenance factor	1.00
Total luminous flux	1872.00 lm
Total power	30.0 W
Total power per area (1201.42 m²)	0.02 W/m² (2.59 W/m²/100lx)

Evaluation area 1

Reference plane 1.1

$\bar{E}_m$	Horizontal
E_{min}	0.96 lx
E_{min}	0 lx
$E_{min}/\bar{E}_m (U_o)$	---
$E_{min}/E_{max} (U_d)$	---
Position	0.00 m

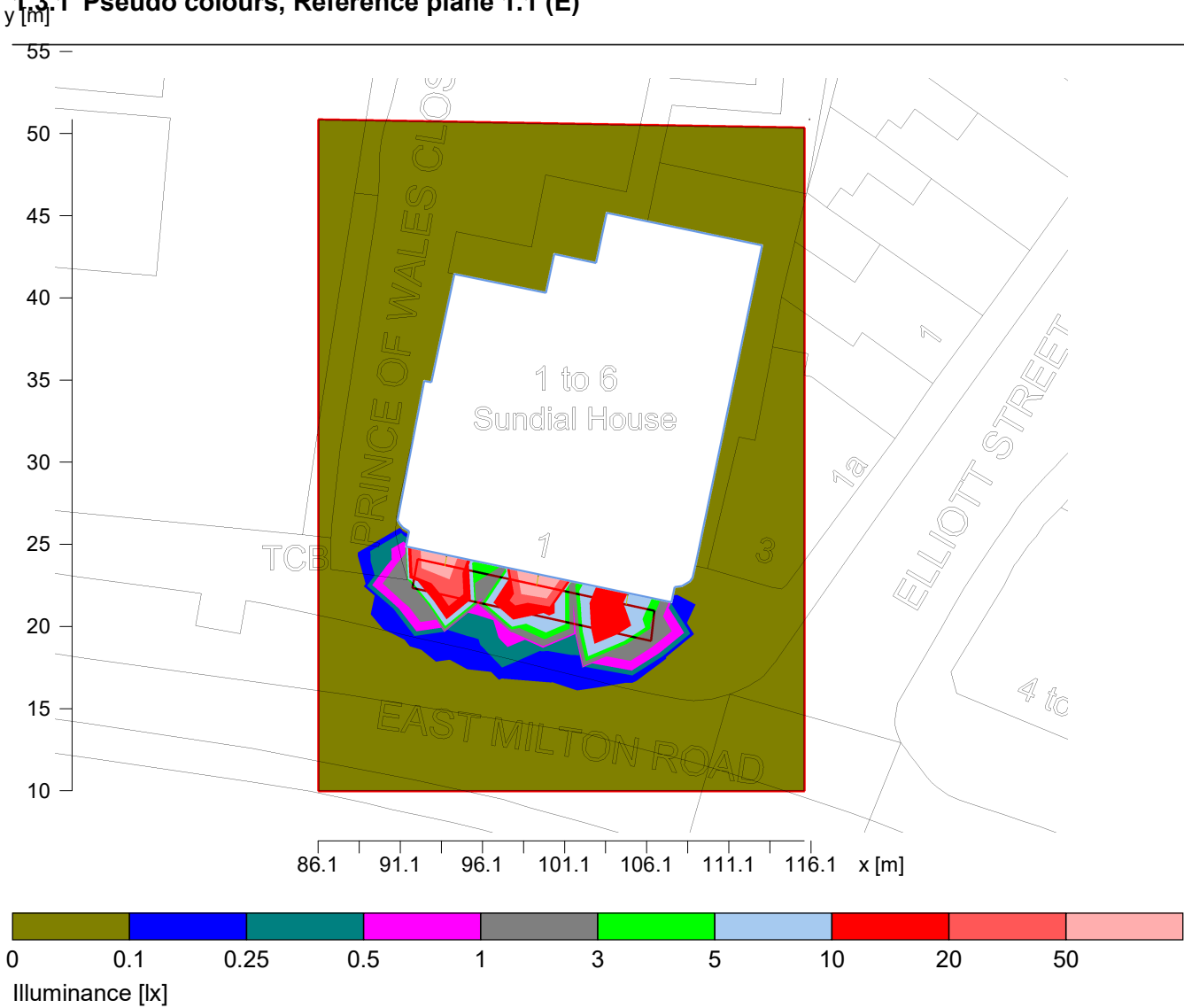
Type No. Make

2	3 x	Order No.	:
		Luminaire name	:
		Equipment	: 1 x 49 10 W / 624 lm

1 Exterior 1

1.3 Calculation results, Exterior 1

1.3.1 Pseudo colours, Reference plane 1.1 (E)

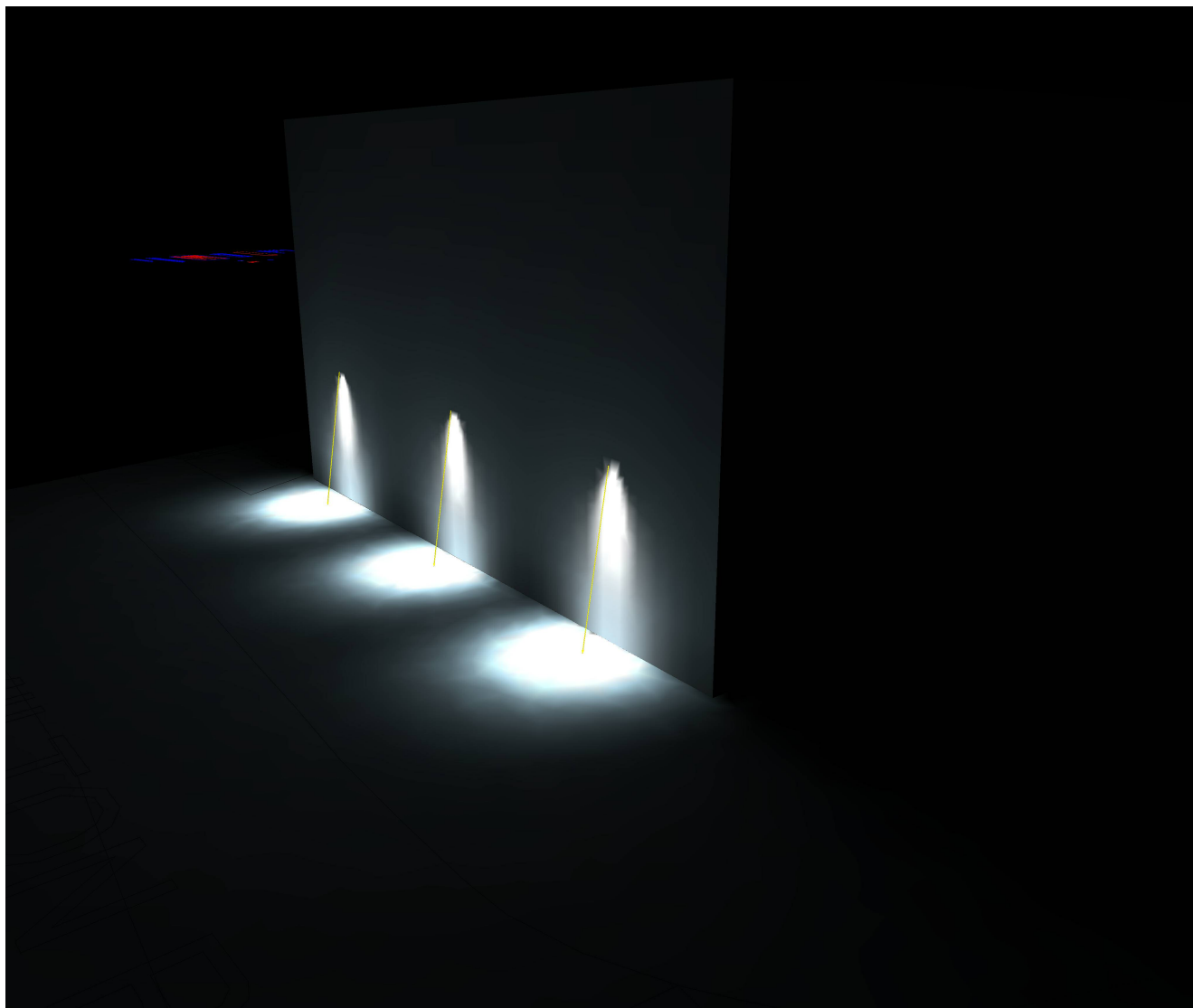


Height reference plane		: 0.00 m
Average illuminance	$\bar{E}_m$	: 1 lx
Minimum illuminance	E_{min}	: 0 lx
Maximum illuminance	E_{max}	: 36.6 lx
Uniformity U_o	$E_{min}/\bar{E}_m$	: ---
Diversity U_d	E_{min}/E_{max}	: ---

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1.3 Calculation results, Exterior 1

1.3.2 3D luminance, View 1



1.3 Calculation results, Exterior 1

1.3.3 3D pseudo colours, View 1 (E)

