DATE: **15 May 2025**

DESIGNER: **MMA Lighting Consultancy Ltd**

PROJECT No: **MMA19394**

PROJECT NAME: **Langdale Mews**

MMA19394 - Langdale Mews - Private Lighting - Area Calculation - R0

Proposed 5m road lighting columns with post top mounted DW Windsor Kirium Pro Mini LED lanterns.

Lighting Class selected in accordance with BS5489-1:2020 Table 4 - Maintained lighting levels for outdoor car parks.

Results required - Light Traffic

Eav = 5.00 Lux
Emin / Eav = 0.25

Base used "Langdale Mews - Site Plan"

Outdoor Lighting Report

PREPARED BY:

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin -9.5m x 356.8m
Area 100.5m x 99.0m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire B Data

Supplier	
Type	KIRIUM PRO MINI 8LED 3k C2 Rear Shield 650mA UMSUG 42 0016 0000
Lamp(s)	8x3k
Lamp Flux (klm)	1.93
File Name	KIRIUM PRO MINI 8LED 3k C2 Rear Shield _650mA UMSUG 42 0016 0000 100.ies
Maintenance Factor	0.76
Lum. Int. Class	G2
No. in Project	3

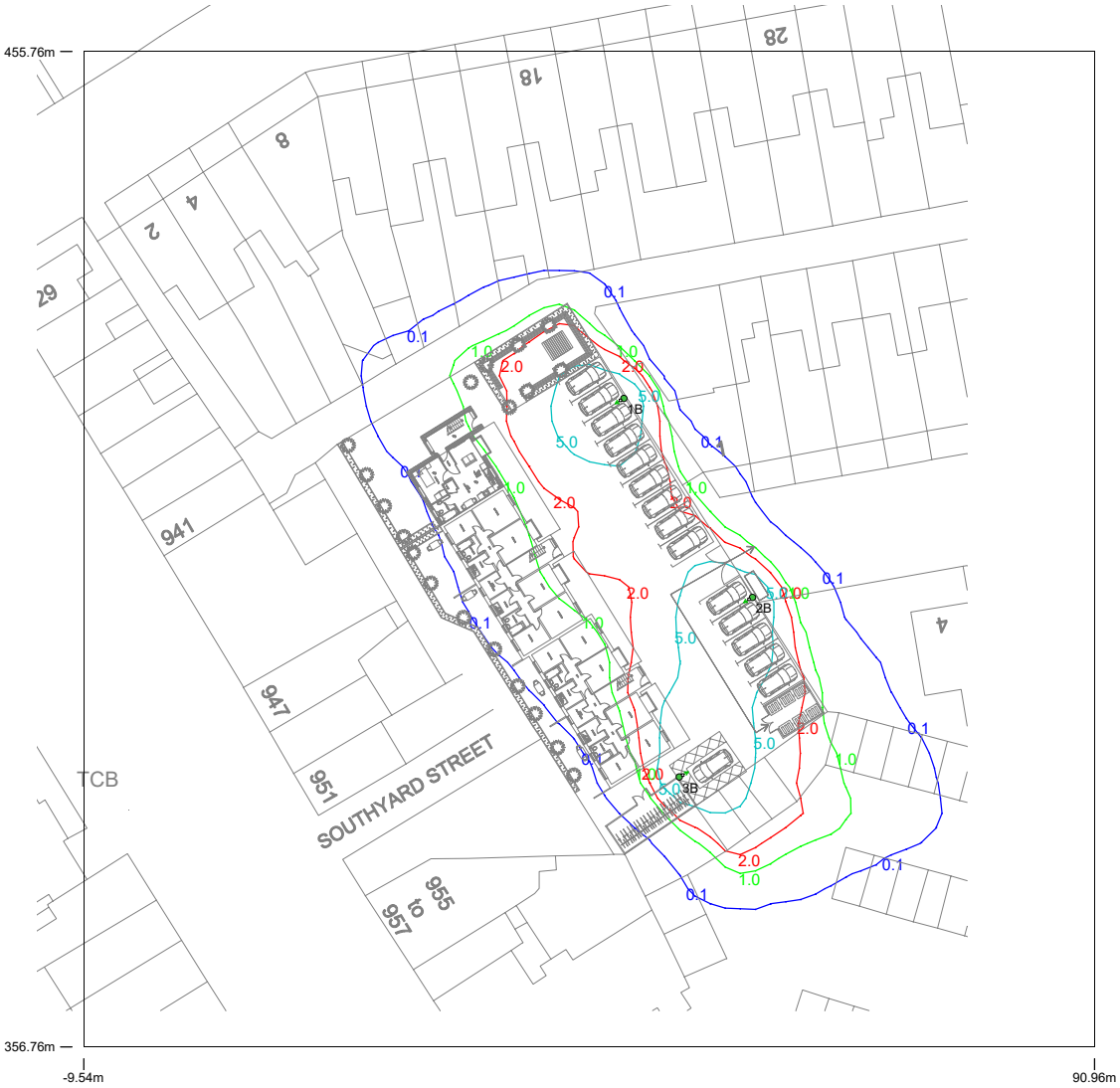
Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	44.14	421.27	5.00	212.00	0.00	0.00	0.40			
2	B	56.92	401.49	5.00	211.00	0.00	0.00	0.40			
3	B	49.66	383.62	5.00	30.00	0.00	0.00	0.40			

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Horizontal Illuminance (lux)

Grid 1

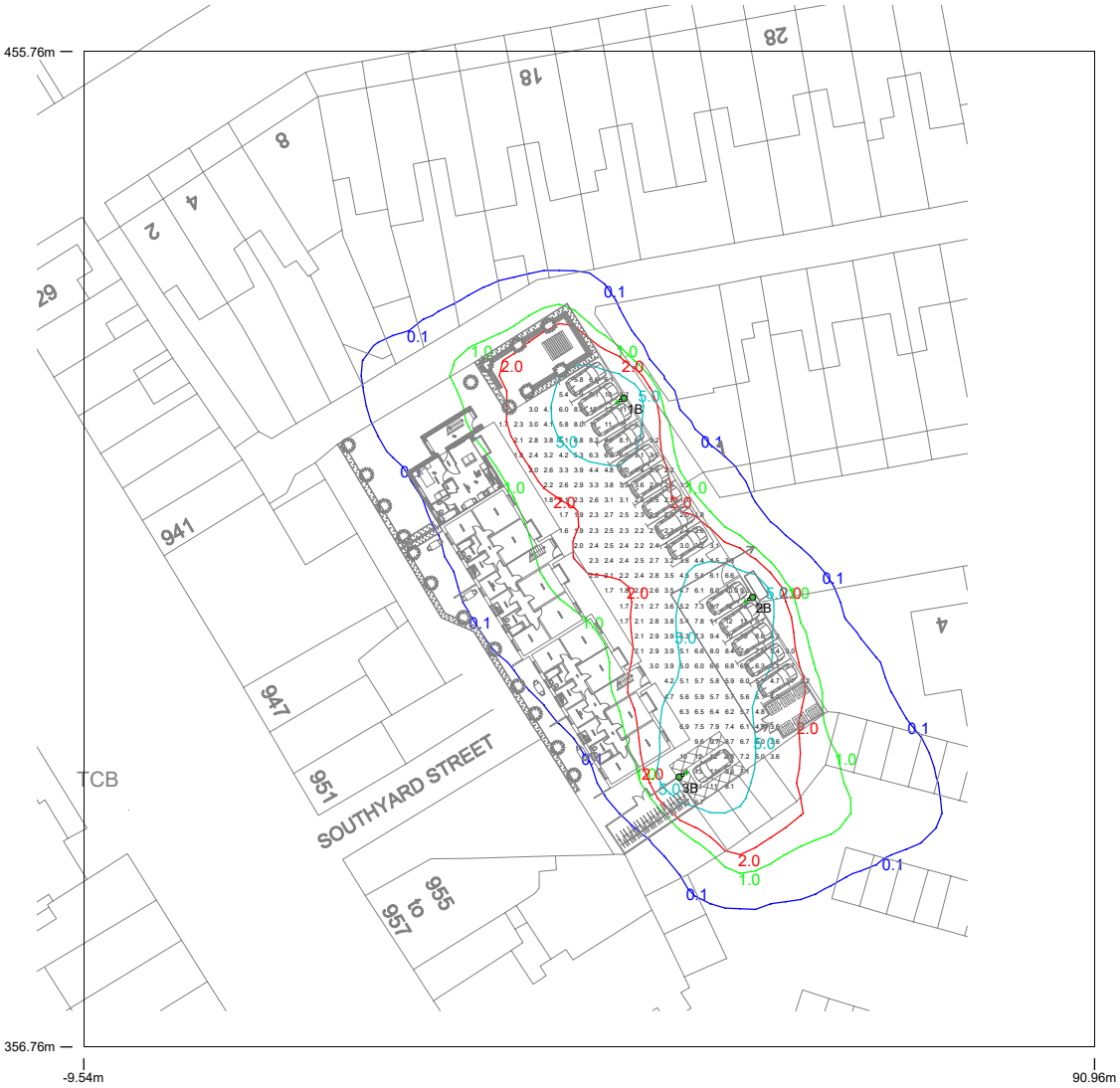


Results

Eav	5.15
Emin	1.28
Emax	13.46
Emin/Emax	0.09
Emin/Eav	0.25

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