

DATE: 30 July 2026
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA20362
PROJECT NAME: Foxhole Farm, Bolney S278



Foxhole Farm, Bolney - Proposed Lighting - Area Calculation - R0

Proposed 6m & 8m West Sussex specification road lighting columns with posttop mounted Urbis Axia 3.1 & 3.2 LED lanterns.

Lighting class P2 & C3 selected in accordance with BS5489-1:2020

Lighting Class - P2	Lighting Class - C3
Eav > 10.00 <15.00 Lux	Eav >15.00 Lux
Emin >2.00 Lux	Uo >0.40 (40%)
Uo >0.20 (20%)	

Base used for this calculation "CALA250729 SL01 P19"

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	P2 Class	525684.28	122361.18	264.20	128.71	1.50	1.50
2	C3 Class	525784.32	122406.86	45.00	30.00	1.50	1.50

Luminaires

Luminaire A Data

Supplier	Urbis
Type	AXIA 3.2 5295 Integrated lenses 24 OSLO N SQUARE GIANT@1000mA
Lamp(s)	24 OSLO N SQUARE GIANT@1000mA NW 740 230V 01-50-748
LampFlux(klm)/Colour	10.34 NW 4000K/70
File Name	AXIA 3.2 5295 24 OSLO N SQUARE GIANT 1000mA NW 740 75W 441022 Integrated I...
Maintenance Factor	0.93
Lum. Int. Class	G3
No. in Project	7

Luminaire B Data

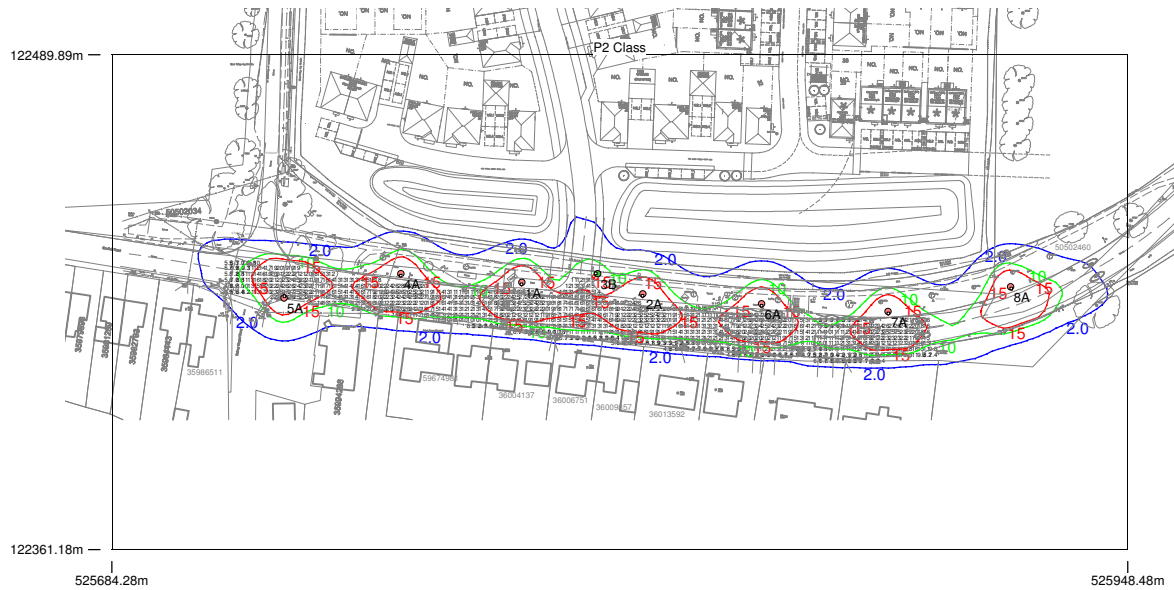
Supplier	Urbis Council Pref
Type	AXIA 3.1 5295 Integrated lenses 8 OSLO N SQUARE GIANT@700mA N
Lamp(s)	8 OSLO N SQUARE GIANT@700mA NW 740 230V 01-37-041
LampFlux(klm)/Colour	2.65 NW 4000K/70
File Name	AXIA 3.1 5295 8 OSLO N SQUARE GIANT 700mA NW 740 19.4W 435822 Integrated I...
Maintenance Factor	0.87
Lum. Int. Class	G3
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	525790.87	122430.73	8.00	264.00	0.00	0.00	0.50			
2	A	525822.33	122427.69	8.00	264.00	0.00	0.00	0.50			
3	B	525810.59	122432.96	6.00	172.00	0.00	0.00	0.50			
4	A	525759.45	122432.94	8.00	264.00	0.00	0.00	0.50			
5	A	525729.03	122426.63	8.00	83.00	0.00	0.00	0.50			
6	A	525853.19	122425.15	8.00	267.00	0.00	0.00	0.50			
7	A	525886.10	122423.14	8.00	273.00	0.00	0.00	0.50			
8	A	525917.96	122429.60	8.00	289.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

P2 Class

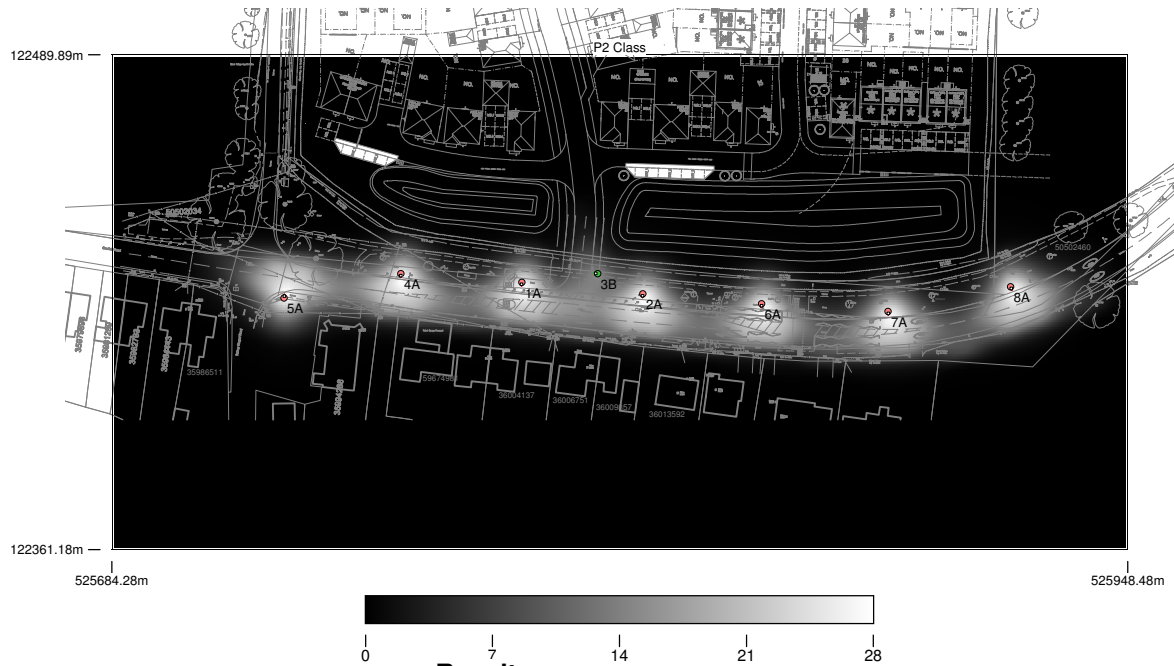


Results

Eav	15.62
Emin	3.86
Emax	28.26
Emin/Emax	0.14
Emin/Eav	0.25

Horizontal Illuminance (lux)

P2 Class

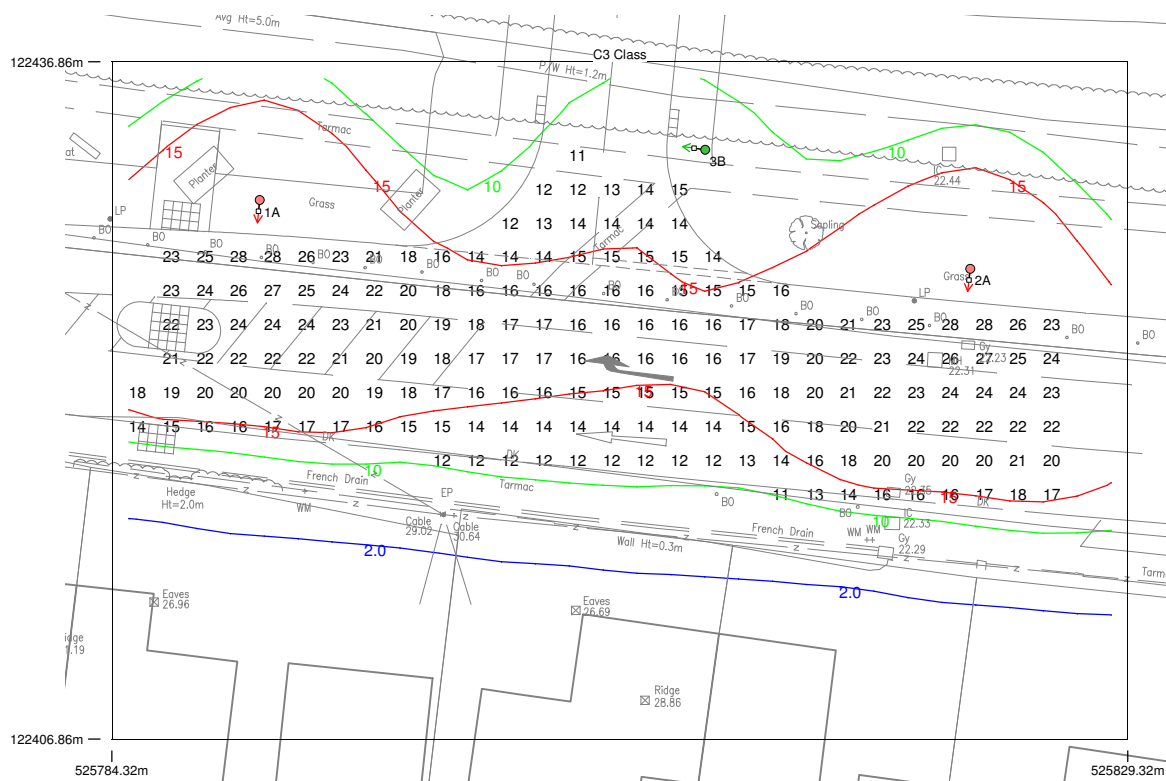


Results

Eav	15.62
Emin	3.86
Emax	28.26
Emin/Emax	0.14
Emin/Eav	0.25

Horizontal Illuminance (lux)

C3 Class

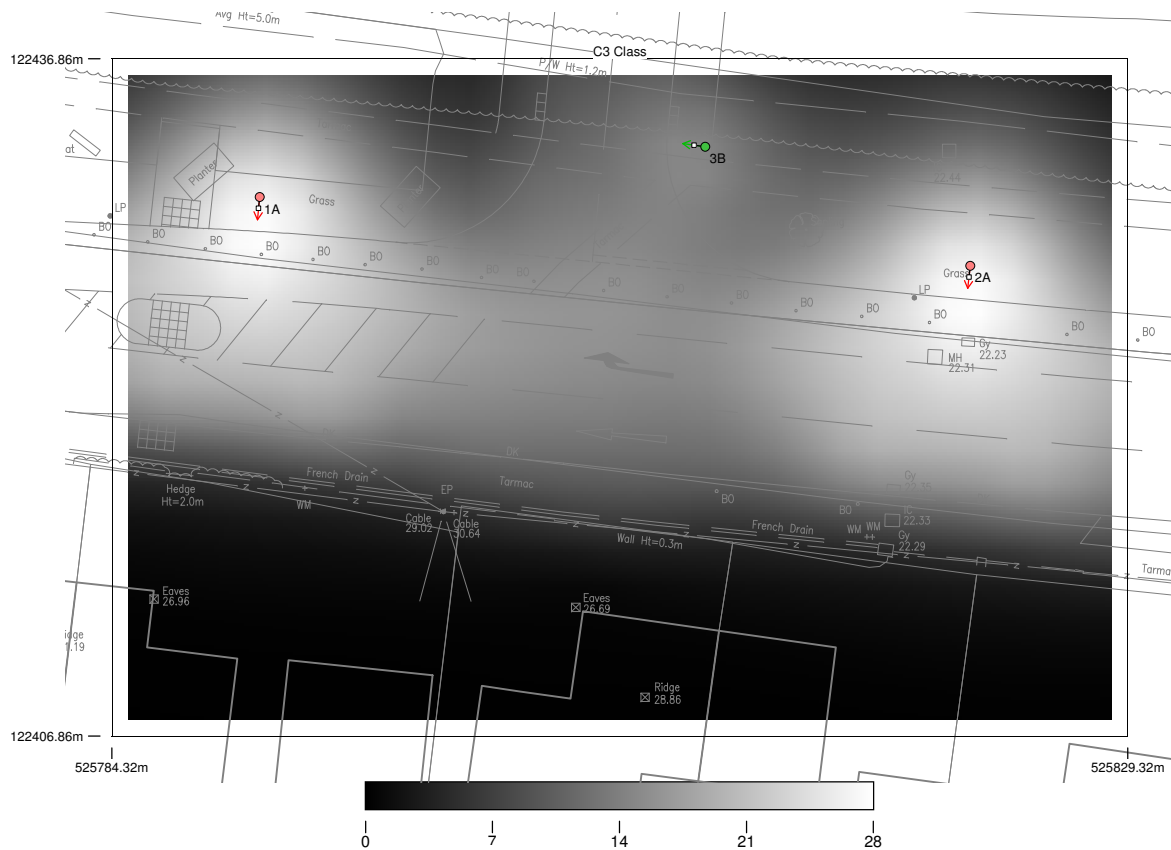


Results

Eav	18.20
Emin	11.13
Emax	28.14
Emin/Emax	0.40
Emin/Eav	0.61

Horizontal Illuminance (lux)

C3 Class



Results

Eav	18.20
Emin	11.13
Emax	28.14
Emin/Emax	0.40
Emin/Eav	0.61