

DATE: 6 July 2026
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA19973
PROJECT NAME: St Lppolyts



Proposed S38 Lighting Design - R1
6m Hertfordshire CC Specification Columns with
Urbis Axia 3.1 4000K LED Luminaires
BS5489-1:2020
Lighting Class: P4
Eav 5.00 - 7.50 Lux
Emin 1.00 Lux
Base drawing number used in this calculation 'St Lppolyts -
Gosmore - Site Layout'

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	Grid 1	519312.27	226839.22	136.42	72.00	1.50	1.50
2	Grid 2	519213.08	226786.88	72.00	119.86	1.50	1.50
3	Grid 3	519105.39	226805.11	106.15	87.00	1.50	1.50
4	Contour Grid	519103.83	226683.44	338.75	278.14	1.50	1.50

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5418 Integrated lenses 8 OSLO N SQUARE GIANT LED@700
Lamp(s)	8 OSLO SQUARE GIANT@700mA NW 7 40 230V 01-11-802
LampFlux(klm)/Colour	2.64 NW 4000K/70
File Name	AXIA 3.1 5418 8 OSLO SQUARE GIANT Drv 700mA NW 740 18.3W 567902 Integra...
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	16

Luminaire E Data



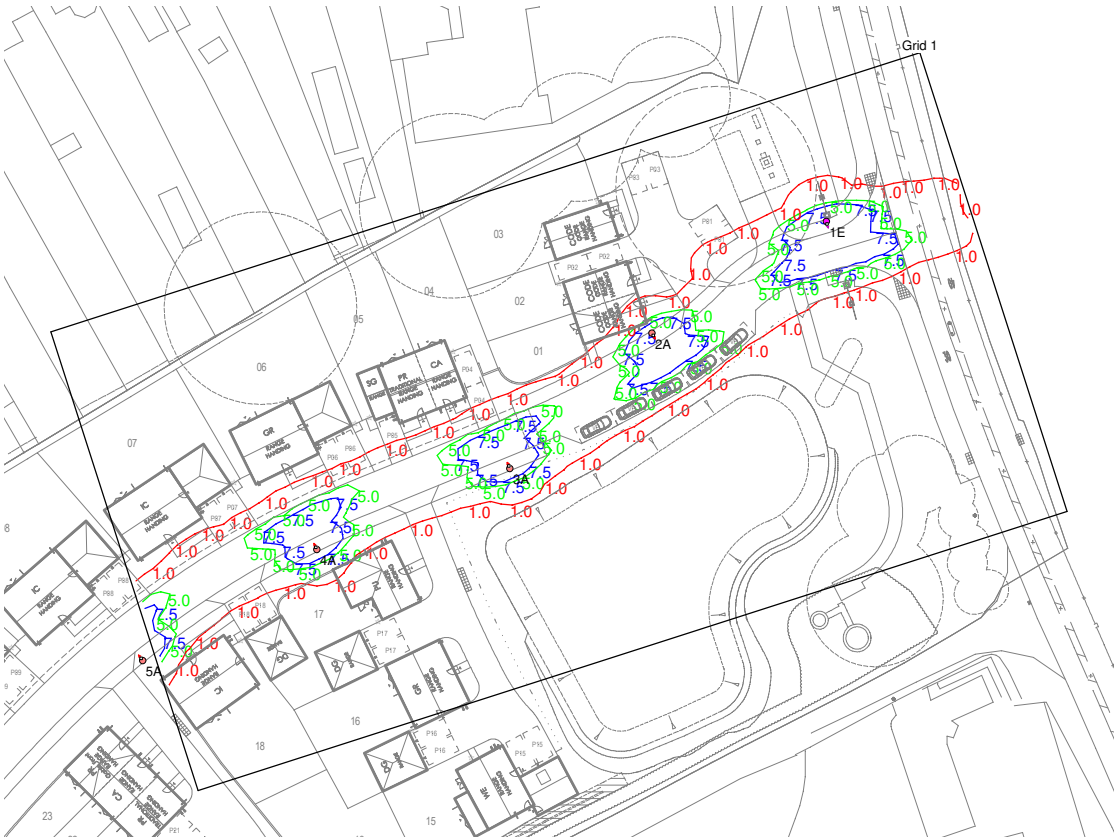
Supplier	Urbis Schreder
Type	AXIA 3.1 5418 Integrated lenses 16 OSLO N SQUARE GIANT LED@50
Lamp(s)	16 OSLO SQUARE GIANT@500mA NW 740 230V 01-11-814
LampFlux(klm)/Colour	3.98 NW 4000K/70
File Name	AXIA 3.1 5418 16 OSLO SQUARE GIANT Drv 500mA NW 740 25.7W 567902 Integra...
Maintenance Factor	0.84
Lum. 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	E	519406.17	226924.28	6.00	286.00	0.00	0.00	0.40			
2	A	519380.09	226907.55	6.00	301.00	0.00	0.00	0.40			
3	A	519358.87	226887.34	6.00	113.00	0.00	0.00	0.40			
4	A	519330.03	226875.22	6.00	116.00	0.00	0.00	0.40			
5	A	519304.01	226858.64	6.00	129.00	0.00	0.00	0.40			
6	A	519276.42	226830.13	6.00	141.00	0.00	0.00	0.40			
7	A	519258.45	226802.75	6.00	151.00	0.00	0.00	0.40			
8	A	519263.03	226783.23	6.00	227.00	0.00	0.00	0.40			
9	A	519231.03	226810.38	6.00	244.00	0.00	0.00	0.40			
10	A	519167.56	226841.11	6.00	262.00	0.00	0.00	0.40			
11	A	519182.31	226766.81	6.00	60.00	0.00	0.00	0.40			
12	A	519193.92	226785.63	6.00	147.00	0.00	0.00	0.40			
13	A	519195.43	226829.53	6.00	245.00	0.00	0.00	0.40			
14	A	519153.87	226818.55	6.00	153.00	0.00	0.00	0.40			
15	A	519123.74	226817.85	6.00	67.00	0.00	0.00	0.40			
16	A	519126.97	226804.33	6.00	332.00	0.00	0.00	0.40			
17	A	519200.48	226809.92	6.00	334.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	5.44
Emin	1.24
Emax	16.73
Emin/Emax	0.07
Emin/Eav	0.23

Horizontal Illuminance (lux)

Grid 2



Results

Eav	5.30
Emin	1.05
Emax	15.31
Emin/Emax	0.07
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3



Results

Eav	6.30
Emin	1.25
Emax	15.72
Emin/Emax	0.08
Emin/Eav	0.20