

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
Footpath Lighting Class: P5
Eav 3.00 - 4.50 Lux
Emin 0.60 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	519115.59	226860.76	193.49	36.00	1.50	1.50
2	Contour Grid	519096.31	226683.45	346.27	278.14	1.50	1.50

Luminaires

Luminaire A Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5383 Integrated lenses 8 OSLO SQUARE GIANT@300mA N
Lamp(s)	8 OSLO SQUARE GIANT@300mA NW 7 40 230V 01-37-041
LampFlux(klm)/Colour	1.16 NW 4000K/70
File Name	AXIA 3.1 5383 8 OSLO SQUARE GIANT 3 00mA NW 740 8.4W 487492 Integrated le...
Maintenance Factor	0.76
Lum. Int. Class	G1
No. in Project	4

Luminaire F Data



Supplier	Urbis Schreder
Type	AXIA 3.1 5418 Integrated lenses 8 OSLO 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	7

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	F	519276.42	226830.13	6.00	141.00	0.00	0.00	0.40			
2	F	519258.45	226802.75	6.00	151.00	0.00	0.00	0.40			
3	F	519263.03	226783.23	6.00	227.00	0.00	0.00	0.40			
4	F	519231.03	226810.38	6.00	244.00	0.00	0.00	0.40			
5	F	519195.43	226829.53	6.00	245.00	0.00	0.00	0.40			
6	F	519200.48	226809.92	6.00	334.00	0.00	0.00	0.40			
7	F	519167.56	226841.11	6.00	262.00	0.00	0.00	0.40			
8	A	519276.83	226788.04	6.00	236.00	0.00	0.00	0.40			
9	A	519213.46	226824.45	6.00	243.00	0.00	0.00	0.40			
10	A	519151.69	226852.34	6.00	64.00	0.00	0.00	0.40			
11	A	519245.38	226808.76	6.00	237.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	3.37
Emin	0.66
Emax	12.41
Emin/Emax	0.05
Emin/Eav	0.20