

DATE: 13 December 2021
DESIGNER: SGA
PROJECT No: SL20-78
PROJECT NAME: Bleachcroft Way



Outdoor Lighting Report

PREPARED BY: SHD Lighting Consultancy Ltd
Contact: info@shdlighting.co.uk
Phone: 07834 490 192
Website: www.shdlighting.co.uk

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 437006.4m x 404777.6m
Area 458.1m x 403.3m
Sample Spacing 1.83m x 1.61m

Luminaires



Luminaire A Data

Supplier	Urbis Schreder
Type	AXIA 3.1 5267 Integrated lenses 16 OSLO N SQUARE GIANT@700mA
Lamp(s)	16 OSLO SQUARE GIANT@700mA WW 730 230V
LampFlux(klm)/Colour	4.34 WW 3000K/70
File Name	AXIA 3.1 5267 16 OSLO SQUARE GIAN T 700mA WW 730 35.6W 429102 Integrat...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	985.2, 145.1, 0.0
No. in Project	42

Luminaire C Data

Supplier	
Type	AXIA 3.1 5270 Integrated lenses - 16 OSLO ON SQUARE GIANT@660m
Lamp(s)	16 OSLO SQUARE GIANT@660mA Neutral White 230V 00-53-397
Lamp Flux (klm)	4.78
File Name	AXIA 3.1 5270 16 OSLO SQUARE GIAN T 660mA Neutral White Integrated lenses -...
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	1090.6, 90.5, 0.0
No. in Project	5

Layout

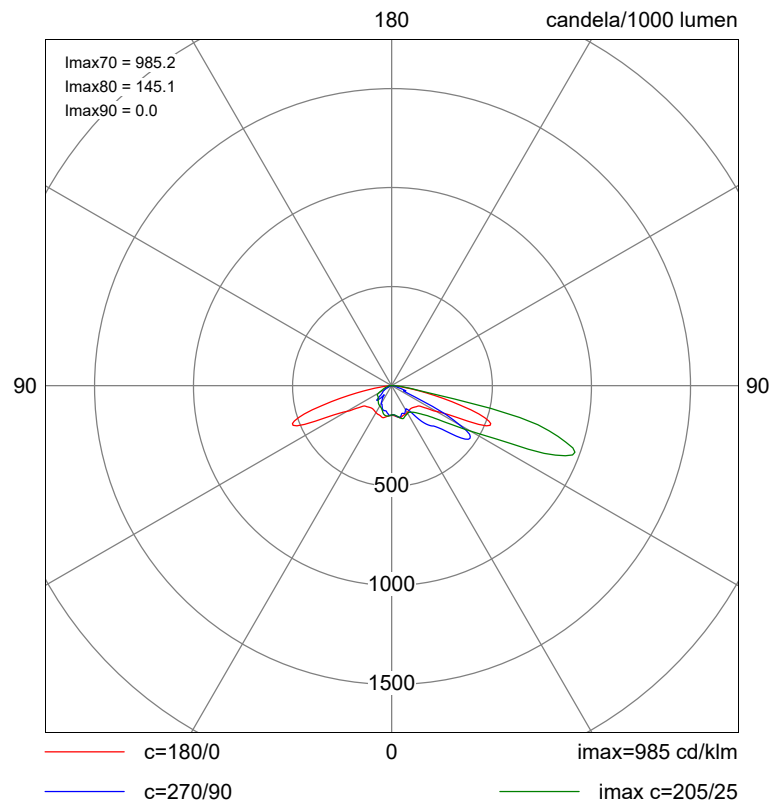
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	C	437223.09	405153.48	10.00	0.00	5.00	0.00	0.50			
2	A	437219.98	405128.39	6.00	138.00	5.00	0.00	0.50			
3	A	437192.27	405110.20	6.00	350.00	5.00	0.00	0.50			
4	A	437189.24	405073.39	6.00	18.00	5.00	0.00	0.50			
5	A	437209.28	405056.91	6.00	188.00	5.00	0.00	0.50			
6	A	437141.12	405069.08	6.00	259.00	5.00	0.00	0.50			
7	A	437174.14	405055.38	6.00	81.00	5.00	0.00	0.50			
8	A	437081.55	405034.65	6.00	21.00	5.00	0.00	0.50			
9	A	437117.29	405073.50	6.00	257.00	5.00	0.00	0.50			
10	A	437085.04	405062.27	6.00	133.00	5.00	0.00	0.50			
11	A	437155.00	404891.59	6.00	256.00	5.00	0.00	0.50			
12	A	437139.13	405009.03	6.00	172.00	5.00	0.00	0.50			
13	A	437246.33	404971.94	6.00	84.00	5.00	0.00	0.50			
14	A	437205.39	405024.70	6.00	172.00	5.00	0.00	0.50			
15	A	437189.12	404986.22	6.00	345.00	5.00	0.00	0.50			
16	A	437210.74	404980.26	6.00	91.00	5.00	0.00	0.50			
17	A	437181.49	404948.76	6.00	348.00	5.00	0.00	0.50			
18	A	437216.40	404942.16	6.00	259.00	5.00	0.00	0.50			
19	A	437385.19	405073.21	6.00	177.00	5.00	0.00	0.50			
20	A	437364.93	405041.58	6.00	81.00	5.00	0.00	0.60			

Layout Continued

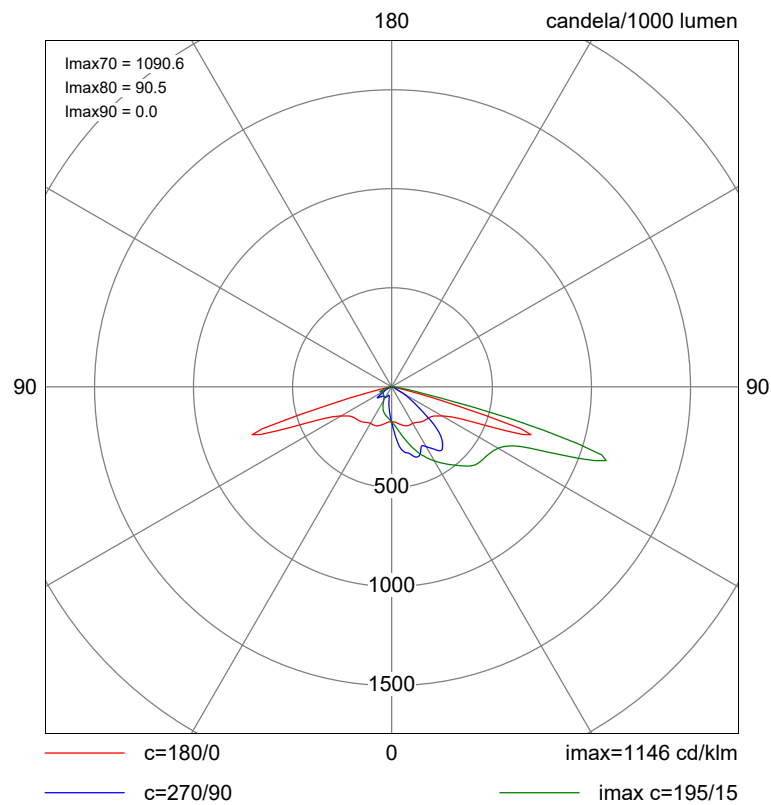
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
21	A	437305.13	404970.55	6.00	126.00	5.00	0.00	0.50			
22	A	437178.02	404921.02	6.00	346.00	5.00	0.00	0.50			
23	A	437170.25	404890.26	6.00	306.00	5.00	0.00	0.50			
24	A	437163.58	404848.45	6.00	350.00	5.00	0.00	0.50			
25	A	437159.61	404826.83	6.00	81.00	5.00	0.00	0.50			
26	A	437201.23	404876.71	6.00	79.00	5.00	0.00	0.50			
27	A	437312.37	405063.49	6.00	342.00	5.00	0.00	0.50			
28	A	437248.53	405005.87	6.00	349.00	5.00	0.00	0.50			
31	A	437262.44	405066.31	6.00	0.00	10.00	0.00	0.50			
32	A	437265.34	405094.02	6.00	354.00	5.00	0.00	0.50			
33	A	437323.68	405030.93	6.00	178.00	5.00	0.00	0.50			
36	A	437329.29	405103.21	6.00	166.00	5.00	0.00	0.50			
37	A	437321.83	405139.14	6.00	219.00	5.00	0.00	0.50			
38	A	437342.83	405053.67	6.00	258.00	5.00	0.00	0.50			
39	A	437386.55	405047.57	6.00	196.00	5.00	0.00	0.50			
42	A	437113.22	405002.30	6.00	77.00	5.00	0.00	0.50			
43	C	437307.43	405162.03	10.00	351.00	5.00	0.00	0.50			
44	C	437293.04	405139.07	10.00	91.00	5.00	0.00	0.50			
45	C	437269.08	405154.45	10.00	248.00	5.00	0.00	0.50			
46	C	437250.63	405146.10	10.00	76.00	5.00	0.00	0.50			
47	A	437282.30	404965.21	6.00	81.00	5.00	0.00	0.50			
48	A	437307.58	404993.86	6.00	343.00	5.00	0.00	0.50			
49	A	437256.50	405042.54	6.00	336.00	5.00	0.00	0.50			
50	A	437274.66	405111.63	6.00	171.00	5.00	0.00	0.50			
51	A	437274.75	405129.78	6.00	257.00	5.00	0.00	0.50			
52	A	437174.99	404864.80	6.00	165.00	5.00	0.00	0.50			
47	A	437100.36	404999.23	6.00	195.00	5.00	0.00	0.60			

Polar Diagrams

Luminaire A AXIA 3.1 5267 Integrated lenses 16 OSLON SQUARE GIANT@700mA



Luminaire C AXIA 3.1 5270 Integrated lenses - 16 OSLON SQUARE GIANT@660m



Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.00
Emin	0.81
Emax	18.85
Emin/Emax	0.04
Emin/Eav	0.12