

DATE: 17 May 2021

DESIGNER: SSE

PROJECT No: 303880

PROJECT NAME: SSE303880-AC-001-A



Road lit to BS5489-1:2020 lighting class P5.

Boorley Green

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	450766.28	114947.22	127.82	75.29	1.49	1.48
2	Grid 2	450806.77	114993.18	3.29	5.00	0.13	0.20

Luminaire

Luminaire A Data

Supplier	
Type	BGP702 DM10
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.00
File Name	Luma Gen2 Micro_BGP702_DM10_200 0_10LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	523.4, 90.0, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire B Data

Supplier	
Type	BGP702 DM10 BL1
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.00
File Name	Luma Gen2 Micro_BGP702_DM10 BL1 2000_10LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	512.4, 86.8, 0.0
Lamp S/P Ratio	1.61
No. in Project	1

Luminaire M Data

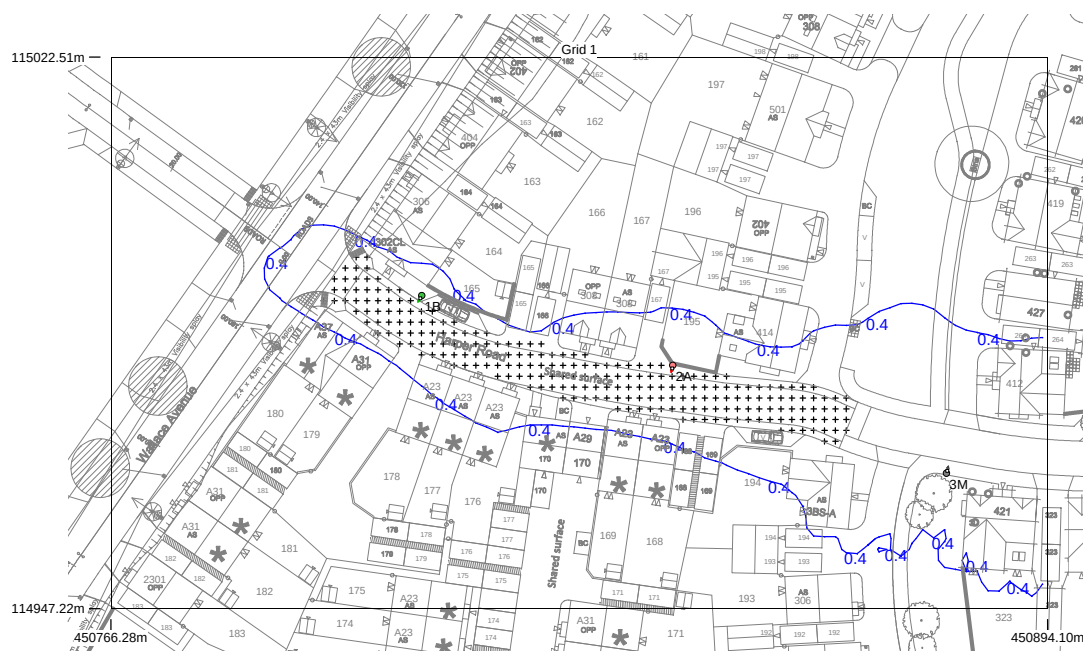
Supplier	
Type	2680 XNN G#
Lamp(s)	721MT 60W 7200 PGZ12
Lamp Flux (klm)	7.20
File Name	Arc 2680 XNN G# 1MT 60W 6900 PGZ 12.LDT
Maintenance Factor	0.85
Imax70,80,90(cd/klm)	450.2, 88.4, 10.0
Lamp S/P Ratio	0.00
No. in Project	1

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out- reach	Target X	Target Y	Target Z
1	B	450808.68	114989.97	6.00	238.00	0.00	0.00	0.40			
2	A	450842.94	114980.46	6.00	256.00	0.00	0.00	0.40			
3	M	450880.25	114965.72	6.00	75.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1

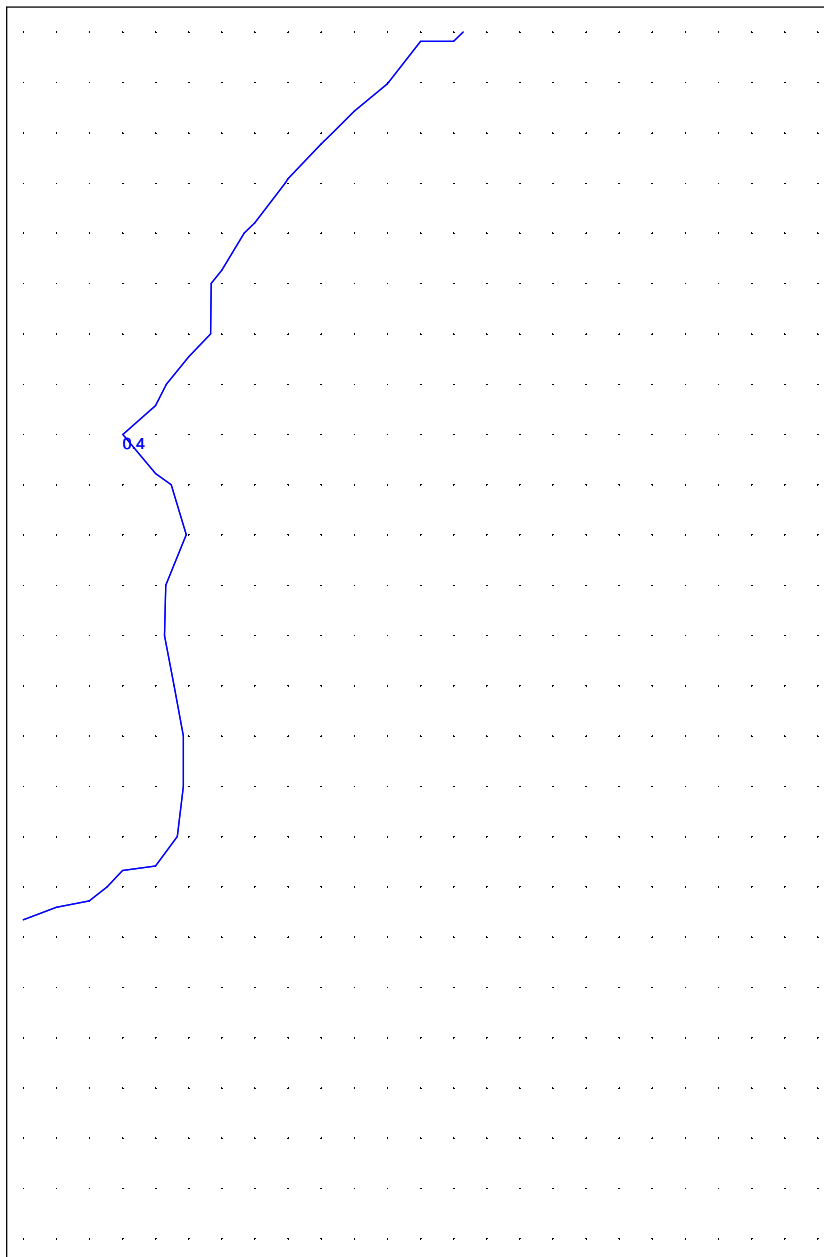


Results

Eav	3.38
Emin	0.60
Emax	11.01
Emin/Emax	0.05
Emin/Eav	0.18

Illuminance (lux)

Grid 2



Results

Eav	0.72
Emin	0.14
Emax	2.02
Emin/Emax	0.07
Emin/Eav	0.20