

DATE: 21 March 2024
DESIGNER: MMA Lighting Consultancy Ltd
PROJECT No: MMA18541
PROJECT NAME: Land at St. Columba's, Gravesend DA12



S38 Footpath Proposed Lighting Design R0

5m Kent CC Specification Mid-hinged Raise & Lower Columns with
CU Phosco P852 4000K LED Luminaires

BS5489-1:2020
Lighting Class: P5
Eav 3.00 - 4.50 Lux
Emin 0.60 Lux

Base drawing number used in this calculation 'SCC-BPTW-04-00-
M2-A-0210-C03-A3'

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	36.29	96.16	72.00	27.00	1.50	1.50
2	Contour Grid	-56.17	82.33	167.00	85.73	1.50	1.50

Luminaires



Luminaire A Data

Supplier	C U Phosco
Type	P852K-12-R2B-NW-CB0500-20W
Lamp(s)	740C NW
Lamp Flux (klm)	2.50
File Name	P852K-12-R2B-NW-CB0500-20W.ies
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	1

Luminaire B Data

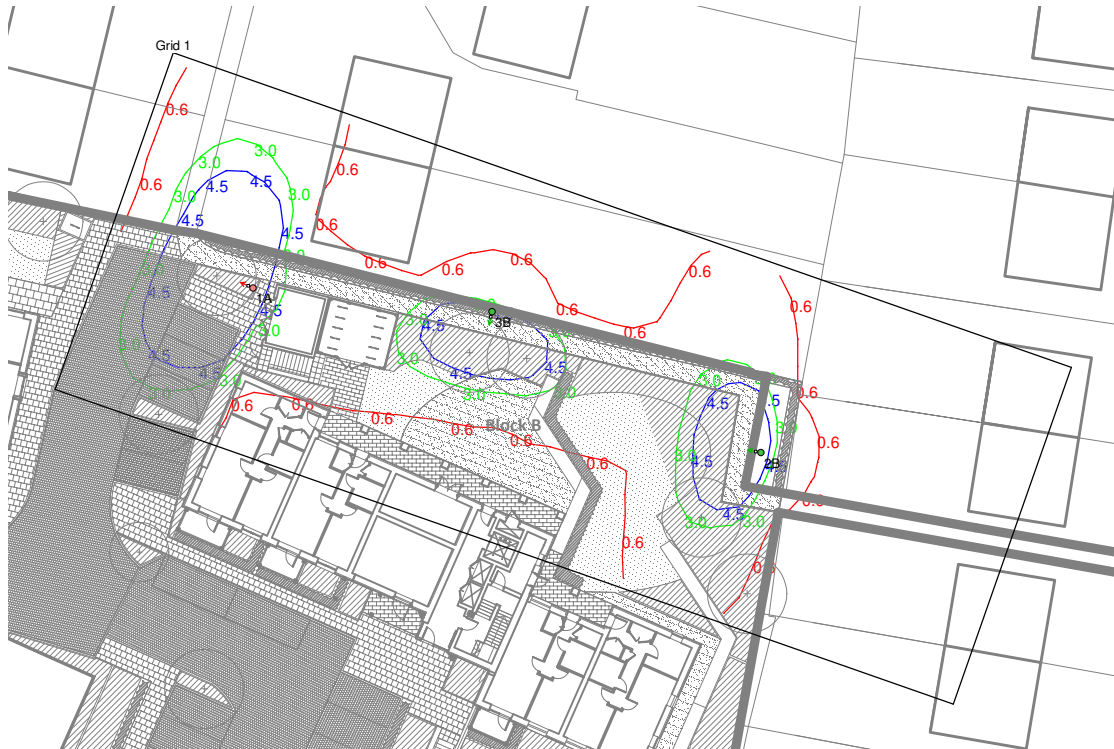
Supplier	
Type	P852-12-R2B-NW-CB0200-9W
Lamp(s)	740C NW
Lamp Flux (klm)	1.09
File Name	P852-12-R2B-NW-CB0200-9W.idt
Maintenance Factor	0.76
Lum. Int. Class	G3
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	51.25	103.85	6.00	156.00	0.00	0.00	0.40			
2	B	89.68	91.41	5.00	169.00	0.00	0.00	0.40			
3	B	69.34	102.05	5.00	257.00	0.00	0.00	0.40			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	4.49
Emin	0.92
Emax	9.86
Emin/Emax	0.09
Emin/Eav	0.20