DATE:	**24 June 2025**
DESIGNER:	**SHD Lighting Consultancy Limited**
PROJECT No:	**SHD2225**
PROJECT NAME:	**Pitsford Road**

CAD layout reference: BHM282 - Pitsford Road - PL01 Planning Layout Rev G

Lighting classification: P4 (BS 5489-1: 2020, Table A.5)

Minimum maintained average illuminance (Eav): >5.00 lux <7.50 lux
Minimum illuminance (Emin): >1.00 lux
Lighting uniformity (Emin/Eav): >0.20 (20%)

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

Calculation Grids

ID	Grid Name	X	Y	X' Length	Y' Length	X' Spacing	Y' Spacing
1	Grid 1: Whole Area	385946.58	400030.78	436.15	267.17	1.74	1.49
2	Grid 2: Lighting Class P4	386004.03	400035.61	231.00	87.00	1.50	1.50
3	Grid 3: Lighting Class P4	386209.85	400133.16	195.00	78.00	1.50	1.50

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP702 DW50
Lamp(s)	LED-HB 5.2S 730
Lamp Flux (klm)	3.60
File Name	Luma Gen2 Micro_BGP702_DW50_3600_20 LED_5.2S_CLO_L90_730.ies
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	17

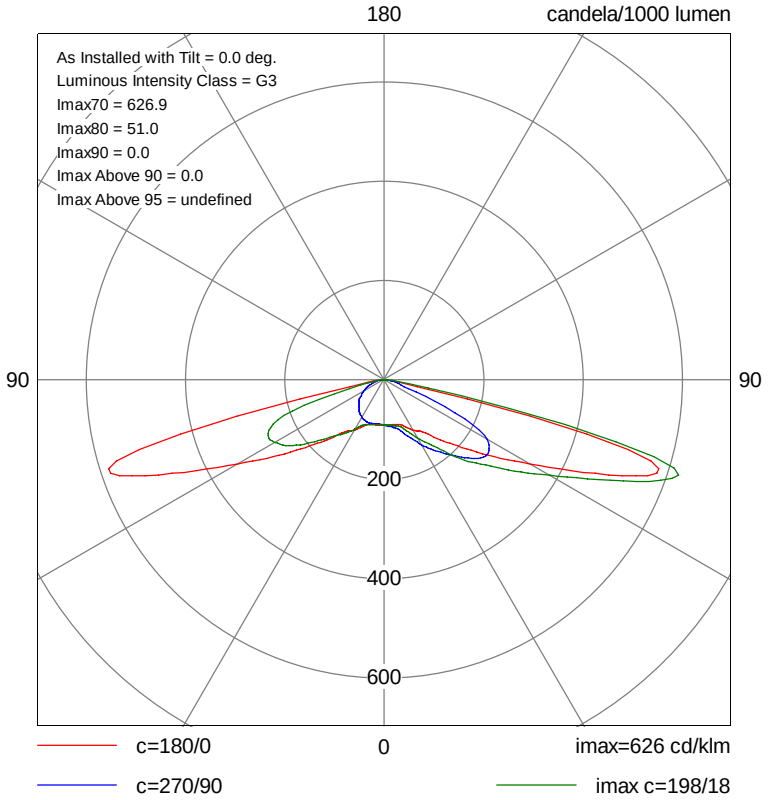
Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	385980.81	400093.87	6.00	123.00	0.00	0.00	0.40			
2	A	386009.65	400110.23	6.00	258.00	0.00	0.00	0.40			
3	A	386041.61	400103.91	6.00	268.00	0.00	0.00	0.40			
4	A	386075.70	400117.21	6.00	297.00	0.00	0.00	0.40			
5	A	386089.44	400133.94	6.00	25.00	0.00	0.00	0.40			
6	A	386111.26	400115.82	6.00	252.00	0.00	0.00	0.40			
7	A	386137.80	400125.61	6.00	297.00	0.00	0.00	0.40			
8	A	386152.09	400147.41	6.00	202.00	0.00	0.00	0.40			
9	A	386142.96	400168.54	6.00	249.00	0.00	0.00	0.40			
10	A	386175.57	400144.57	6.00	297.00	0.00	0.00	0.40			
11	A	386203.94	400157.34	6.00	298.00	0.00	0.00	0.40			
12	A	386237.31	400173.39	6.00	206.00	0.00	0.00	0.40			
13	A	386233.60	400194.19	6.00	295.00	0.00	0.00	0.40			
14	A	386268.00	400213.10	6.00	296.00	0.00	0.00	0.40			
15	A	386298.64	400228.95	6.00	300.00	0.00	0.00	0.40			
16	A	386323.78	400241.83	6.00	298.00	0.00	0.00	0.40			
17	A	386339.45	400250.66	6.00	256.00	0.00	0.00	0.40			

9750919090

Polar Diagram

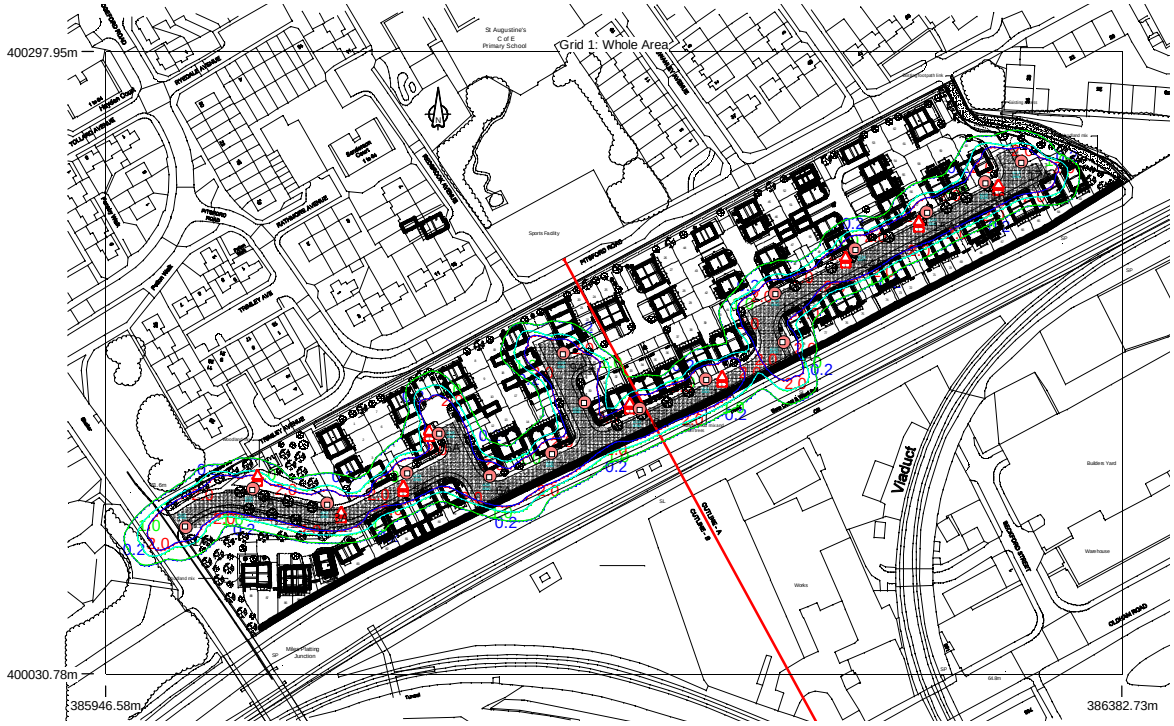
Luminaire A BGP702 DW50



9750919090

Horizontal Illuminance (lux)

Grid 1: Whole Area



Horizontal Illuminance (lux)

Grid 2: Lighting Class P4



Results

Eav	5.08
Emin	1.00
Emax	9.91
Emin/Emax	0.10
Emin/Eav	0.20

Horizontal Illuminance (lux)

Grid 3: Lighting Class P4



Results

Eav	5.27
Emin	1.06
Emax	11.16
Emin/Emax	0.09
Emin/Eav	0.20

9750919090