DATE:	**20 August 2026**
DESIGNER:	**T Carr**
PROJECT No:	**7728**
PROJECT NAME:	**Parcel N Arborfield**

LIGHTING REALITY

Lighting Designed to Class P5

Rev A Column adjacent to plot 9 removed 26.08.26

Outdoor Lighting Report

Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 476923.5m x 165302.3m
Area 282.5m x 177.7m
Sample Spacing 1.49m x 1.49m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP702 DS50
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	2.40
File Name	Luma Gen2 Micro_BGP702_DS50_2400_10LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	302.7, 88.4, 0.0
No. in Project	13

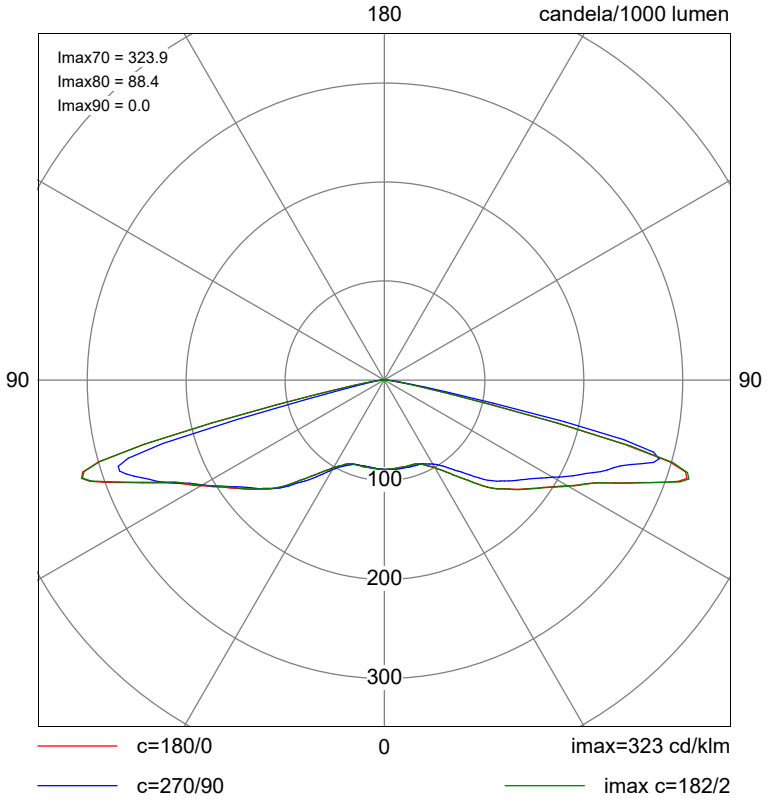
Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	477050.77	165303.99	6.00	0.00	5.00	0.00	0.30			
2	A	477086.98	165335.27	6.00	300.00	5.00	0.00	0.30			
3	A	477044.61	165325.17	6.00	283.00	5.00	0.00	0.30			
4	A	477010.54	165336.54	6.00	241.00	5.00	0.00	0.30			
5	A	476983.75	165360.63	6.00	213.00	5.00	0.00	0.30			
6	A	476957.14	165391.81	6.00	239.00	5.00	0.00	0.30			
7	A	477122.61	165357.44	6.00	299.00	5.00	0.00	0.30			
8	A	477159.91	165381.16	6.00	300.00	5.00	0.00	0.30			
9	A	477192.22	165402.65	6.00	270.00	5.00	0.00	0.30			
11	A	477046.95	165357.52	6.00	0.00	5.00	0.00	0.30			
12	A	477051.18	165393.69	6.00	275.00	5.00	0.00	0.30			
13	A	477011.89	165399.12	6.00	64.00	5.00	0.00	0.30			
14	A	476992.84	165429.12	6.00	305.00	5.00	0.00	0.30			

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Polar Diagram

Luminaire A BGP702 DS50



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Horizontal Illuminance (lux)

Grid 1



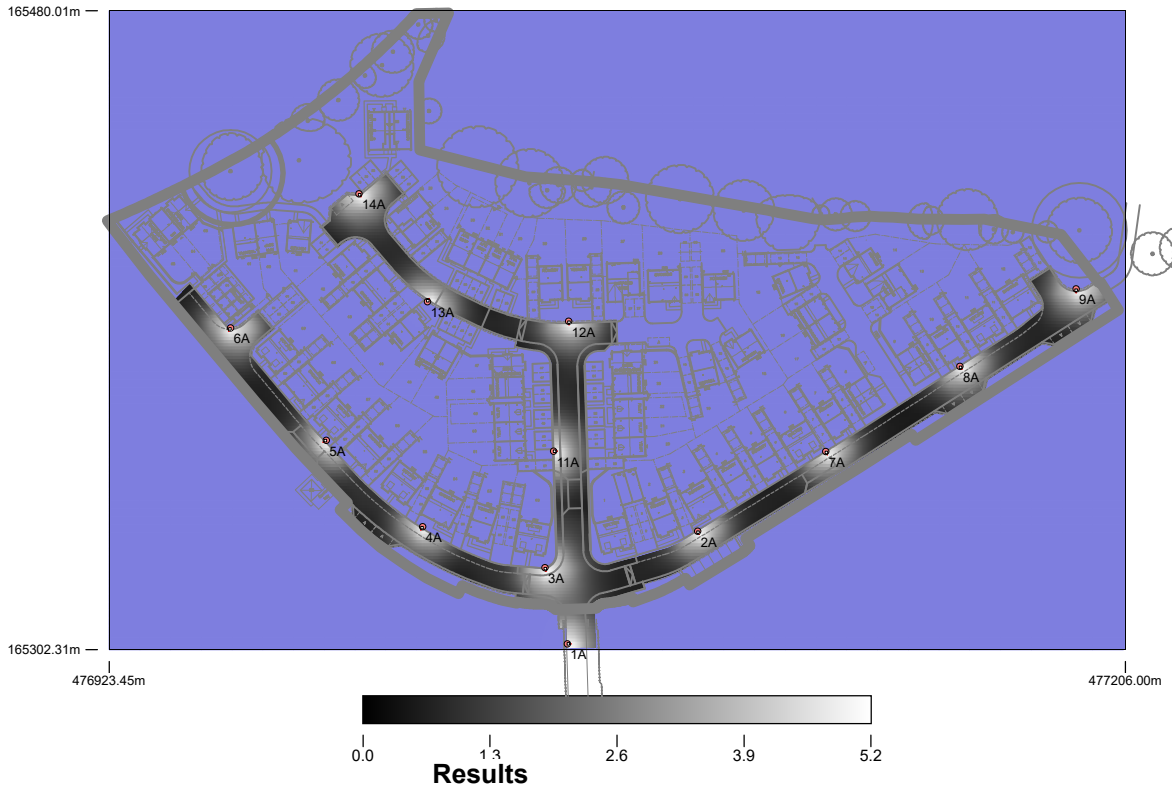
Results

Eav	1.79
Emin	0.50
Emax	5.16
Emin/Emax	0.10
Emin/Eav	0.28

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