

DATE: 27 February 2026
DESIGNER: Alex Naper
PROJECT No: SES 02726
PROJECT NAME: Broomfield - Birchwell Developments Ltd.



Area designed in accordance with EN13201-2:2015 Category P3.

MF derived from: 0.92 x 0.90 (LMF (Low pollution environment & 72 month cleaning cycle) x LLMF LLMF value @ 100,000 hours & 25 degrees C Ta.

Outdoor Lighting Report

PREPARED BY: Sabre Electrical Services Ltd.
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D11 VN59
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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 722232.3m x 744849.6m
Area 75.0m x 72.0m
Sample Spacing 1.50m x 1.50m

Luminaires

Luminaire A Data

Supplier	Acrospire
Type	Chelsea SymA 12-400mA 740
Lamp(s)	LED
LampFlux(klm)/Colour	2.35 4000/>70
File Name	Chelsea SymA 12-400mA 740.Idt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	351.1, 145.2, 28.0
No. in Project	1

Luminaire B Data

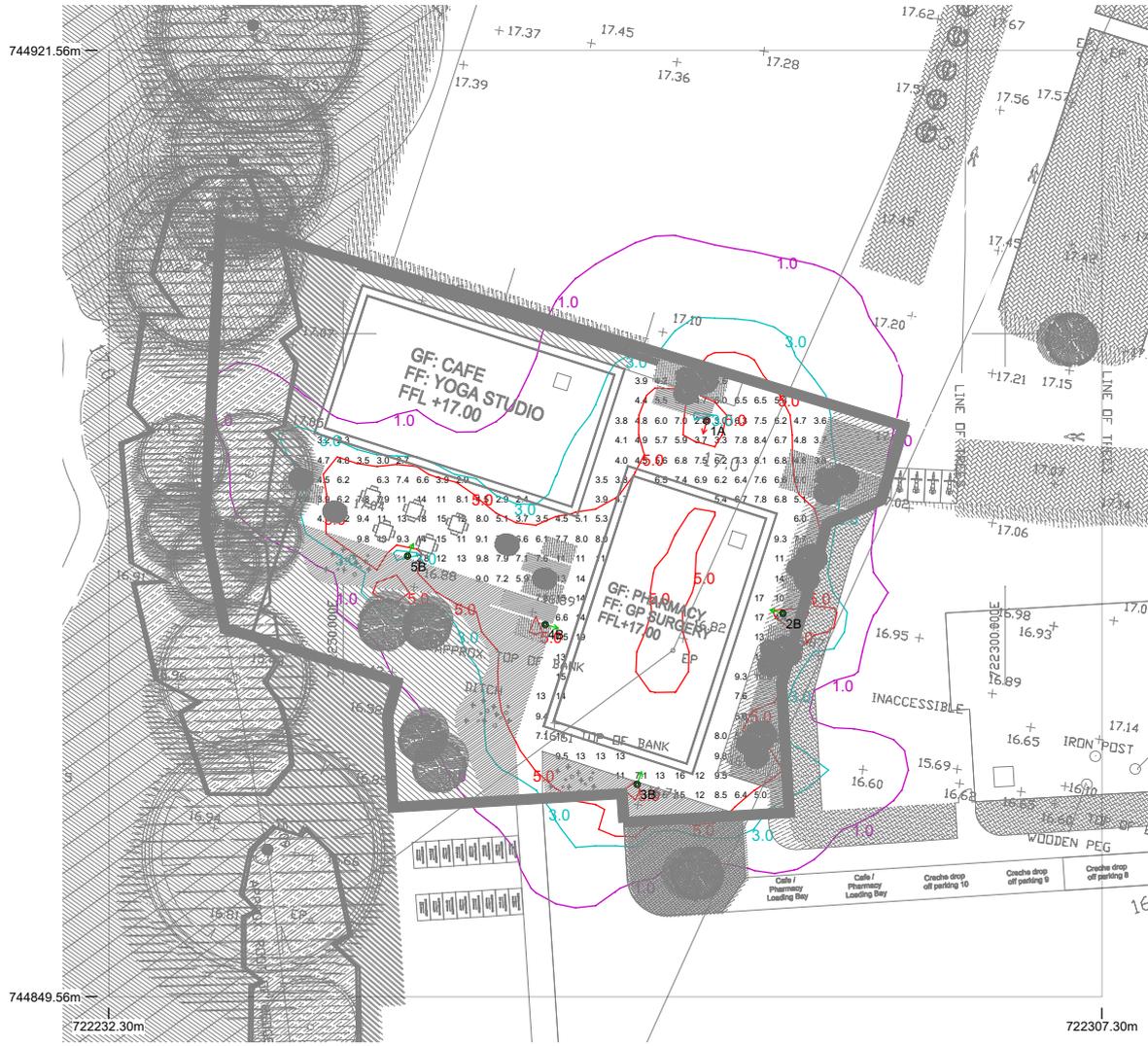
Supplier	Acrospire
Type	Chelsea-ME 12-400mA 740
Lamp(s)	LED
LampFlux(klm)/Colour	2.35 4000/>70
File Name	Chelsea ME 12-400mA 740.Idt
Maintenance Factor	0.83
Imax70,80,90(cd/klm)	1010.7, 107.3, 43.8
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	722277.45	744893.37	5.30	254.00	0.00	0.00	0.00			
2	B	722283.20	744878.73	5.30	165.00	0.00	0.00	0.00			
3	B	722272.19	744865.74	5.30	70.00	0.00	0.00	0.00			
4	B	722265.26	744877.89	5.30	343.00	0.00	0.00	0.00			
5	B	722254.88	744883.11	5.30	66.00	0.00	0.00	0.00			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.73
Emin	2.26
Emax	19.07
Emin/Emax	0.12
Emin/Eav	0.29