

DATE: 7 March 2024
DESIGNER: HHP
PROJECT No: 23ME018
PROJECT NAME: Cloughduv



Design:
Lighting Classes according to EN13201:2015:
- Residential: P3
($7.5 < E_{av} < 12.5$; $E_{min} > 1.5$, MF=0.8)

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 545633.7m x 566199.4m
Area 101.7m x 120.2m
Sample Spacing 1.50m x 1.48m

Luminaires

Luminaire A Data

Supplier	
Type	BGP701 T25 1 xLED45-4S/727 DW50
Lamp(s)	LED45-4S/727
Lamp Flux (klm)	4.50
File Name	BGP701 T25 1 xLED45-4S_727 DW50.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	589.5, 50.5, 0.0
No. in Project	4

Luminaire B Data

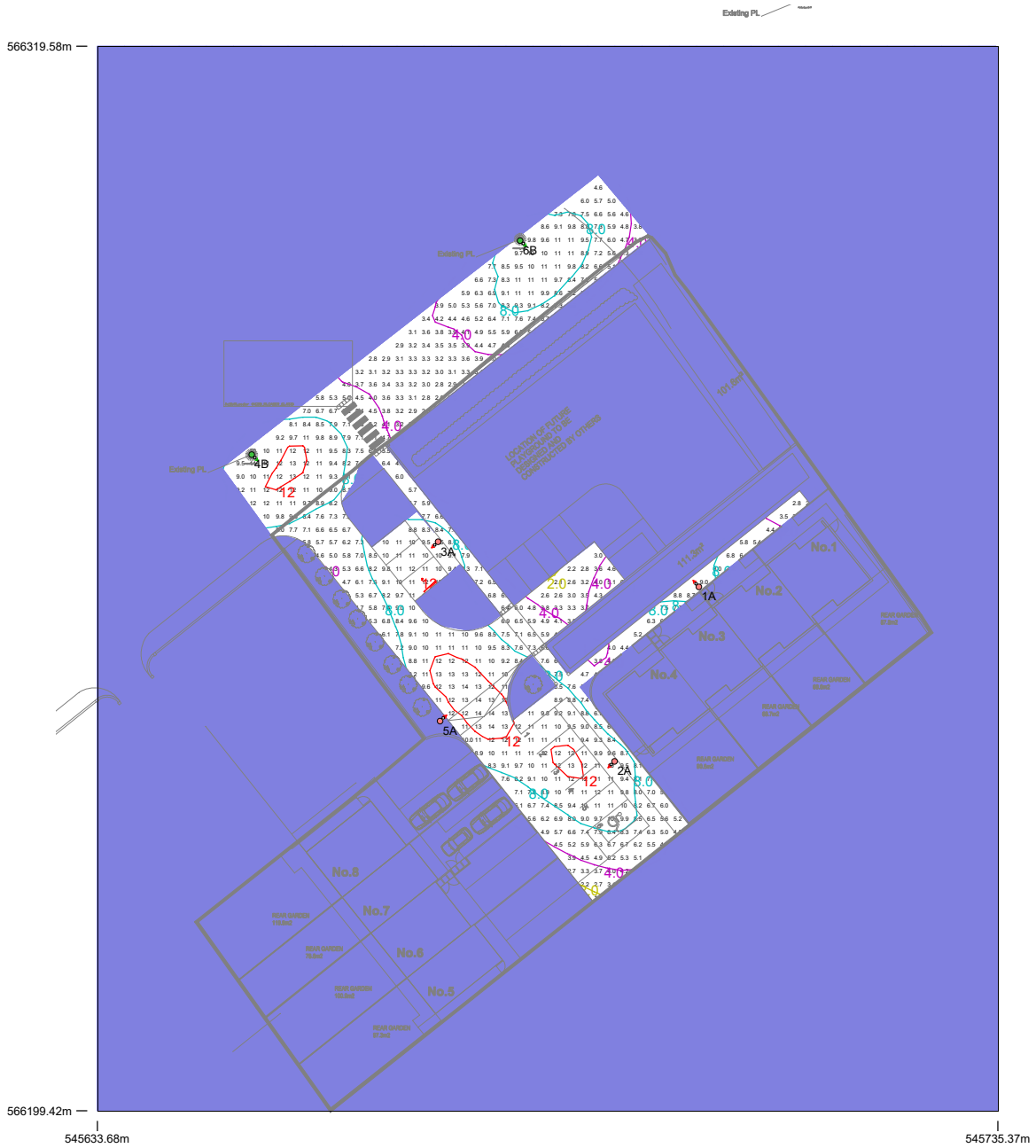
Supplier	
Type	BGP701 T25 1 xLED50-4S/727 DW50
Lamp(s)	LED50-4S/727
Lamp Flux (klm)	5.00
File Name	BGP701 T25 1 xLED50-4S_727 DW50.ies
Maintenance Factor	0.80
Imax70,80,90(cd/klm)	589.5, 50.5, 0.0
No. in Project	2

Layout

No.	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	545701.59	566258.55	6.00	131.00	0.00	0.00	0.50			
2	A	545692.06	566238.86	6.00	223.00	0.00	0.00	0.50			
3	A	545672.14	566263.65	6.00	223.00	0.00	0.00	0.50			
4	B	545651.09	566273.48	6.00	317.00	0.00	0.00	0.50			
5	A	545672.36	566243.42	6.00	43.00	0.00	0.00	0.50			
6	B	545681.39	566297.65	6.00	317.00	0.00	0.00	0.50			

Horizontal Illuminance (lux)

Grid 1



Results

Eav	7.60
Emin	1.86
Emax	13.67
Emin/Emax	0.14
Emin/Eav	0.24