

DATE: 2nd May 2019
DESIGNER: HEALY Consulting Engineers
PROJECT No: P0334
PROJECT NAME: New Car Park, Killeagh Church, Killeagh, Co. Cok



Lighting Design to BS5489:2013 Table 5 Maintained Lighting Levels for Outdoor Carpark.

Parking areas of medium traffic e.g. parking areas of sports complexes.

	Sought	Achieved
Eav	10 Lux	10.10 Lux
U0	0.25	0.43

Outdoor Lighting Report

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Layout Report

General Data

Dimensions in Metres Angles in Degrees
Grid Origin 274532.7m x 129454.9m
Area 63.1m x 59.7m
Sample Spacing 1.50m x 1.49m

Luminaires



Luminaire A Data

Supplier	Philips
Type	BGP615 DX10
Lamp(s)	LED-HB 5S/740
Lamp Flux (klm)	5.00
File Name	Luma Micro_BGP615_DX10_5000_20LED_4 69mA_5S_CLO L90_NW.ies
Maintenance Factor	0.76
Imax70,80,90(cd/klm)	519.4, 86.3, 0.0
No. in Project	4

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	274548.97	129482.64	6.00	45.00	0.00	0.00	0.30			
2	A	274570.07	129467.95	6.00	90.00	0.00	0.00	0.30			
3	A	274582.04	129480.75	6.00	174.00	0.00	0.00	0.30			
4	A	274571.11	129498.54	6.00	220.00	0.00	0.00	0.30			

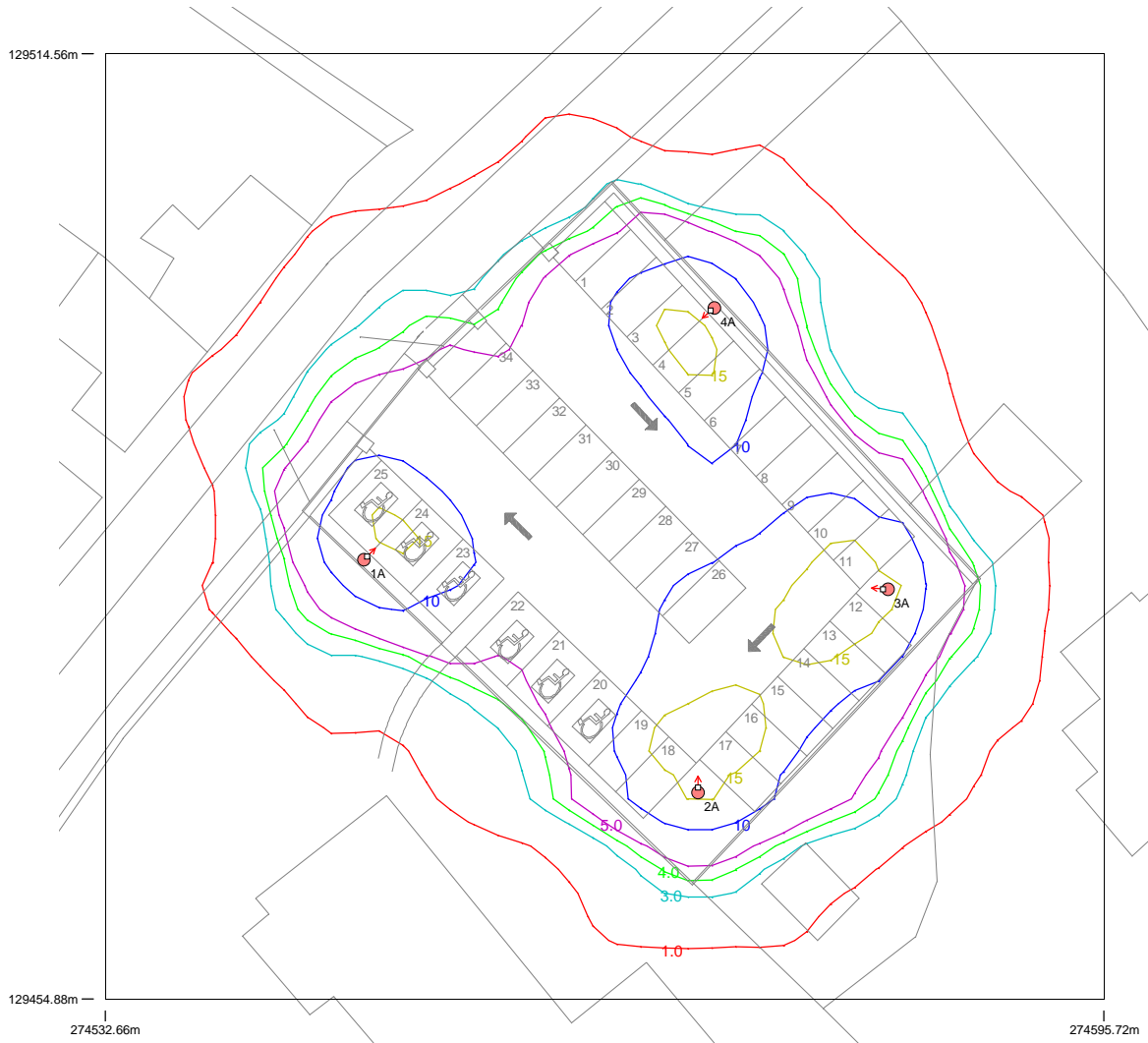
Horizontal Illuminance (lux)

Grid 1



Horizontal Illuminance (lux)

Grid 1



Results

Eav	10.10
Emin	4.30
E _{max}	18.70
E _{min} /E _{max}	0.23
E _{min} /E _{av}	0.43