

DATE: 27 July 2026
DESIGNER: SHD Lighting Consultancy Limited
PROJECT No: SHD2828
PROJECT NAME: Glen Dimplex



CAD layout reference: 25053-1000U Site Layout_2025-10-31

Lighting classification: P5 (BS 5489-1: 2020, Table A.5)

Minimum maintained average illuminance (Eav): >3.00 lux <4.50 lux

Minimum illuminance (Emin): >0.60 lux

Lighting uniformity (Emin/Eav): >0.20 (20%)

Outdoor Lighting Report

PREPARED BY: SHD Lighting Consultancy Ltd
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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	347793.62	391344.04	416.07	320.75	1.66	1.50
2	Grid 2: Lighting Class P5	347803.79	391525.26	48.00	20.00	1.00	1.00
3	Grid 3: Lighting Class P5	348101.26	391364.13	60.00	60.00	1.00	1.00

Luminaires



Luminaire A Data

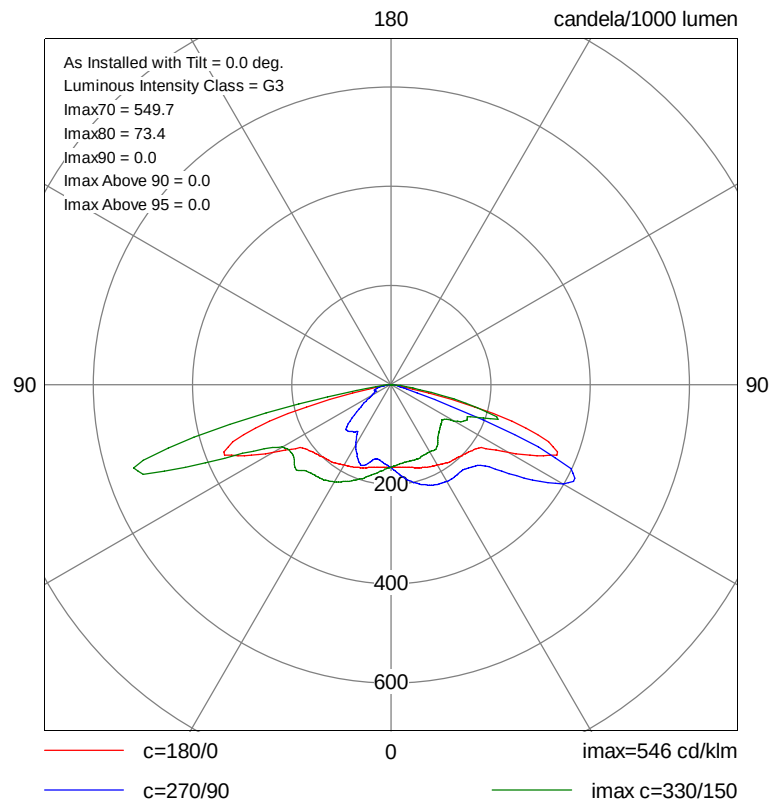
Supplier	Thorn Lighting UK & Ireland
Type	Isaro Pro Small 12LED 350mA EWR optic
Lamp(s)	LED 3000K CRI 70
LampFlux(klm)/Colour	1.87 3000/70
File Name	IP12L35EWR730.LDT
Maintenance Factor	0.84
Lum. Int. Class	G3
No. in Project	2

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	A	347831.86	391528.94	6.00	246.00	0.00	0.00	0.40			
2	A	348128.26	391384.32	6.00	21.00	0.00	0.00	0.40			

Polar Diagram

Luminaire A Isaro Pro Small 12LED 350mA EWR optic



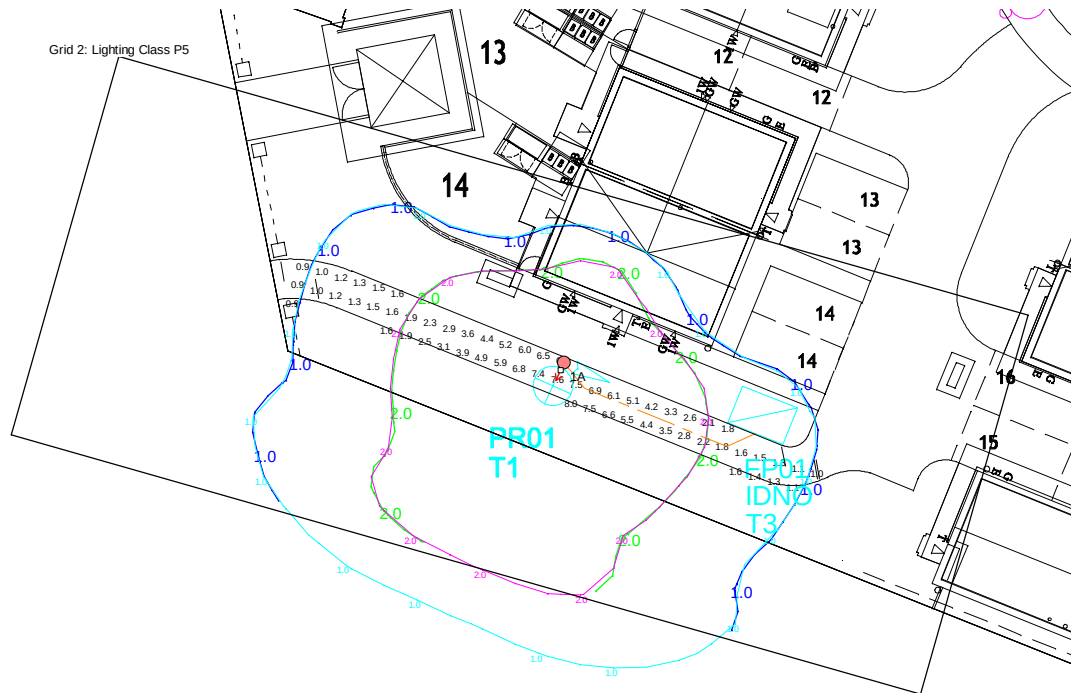
Horizontal Illuminance (lux)

Grid 1: Whole Area



Horizontal Illuminance (lux)

Grid 2: Lighting Class P5

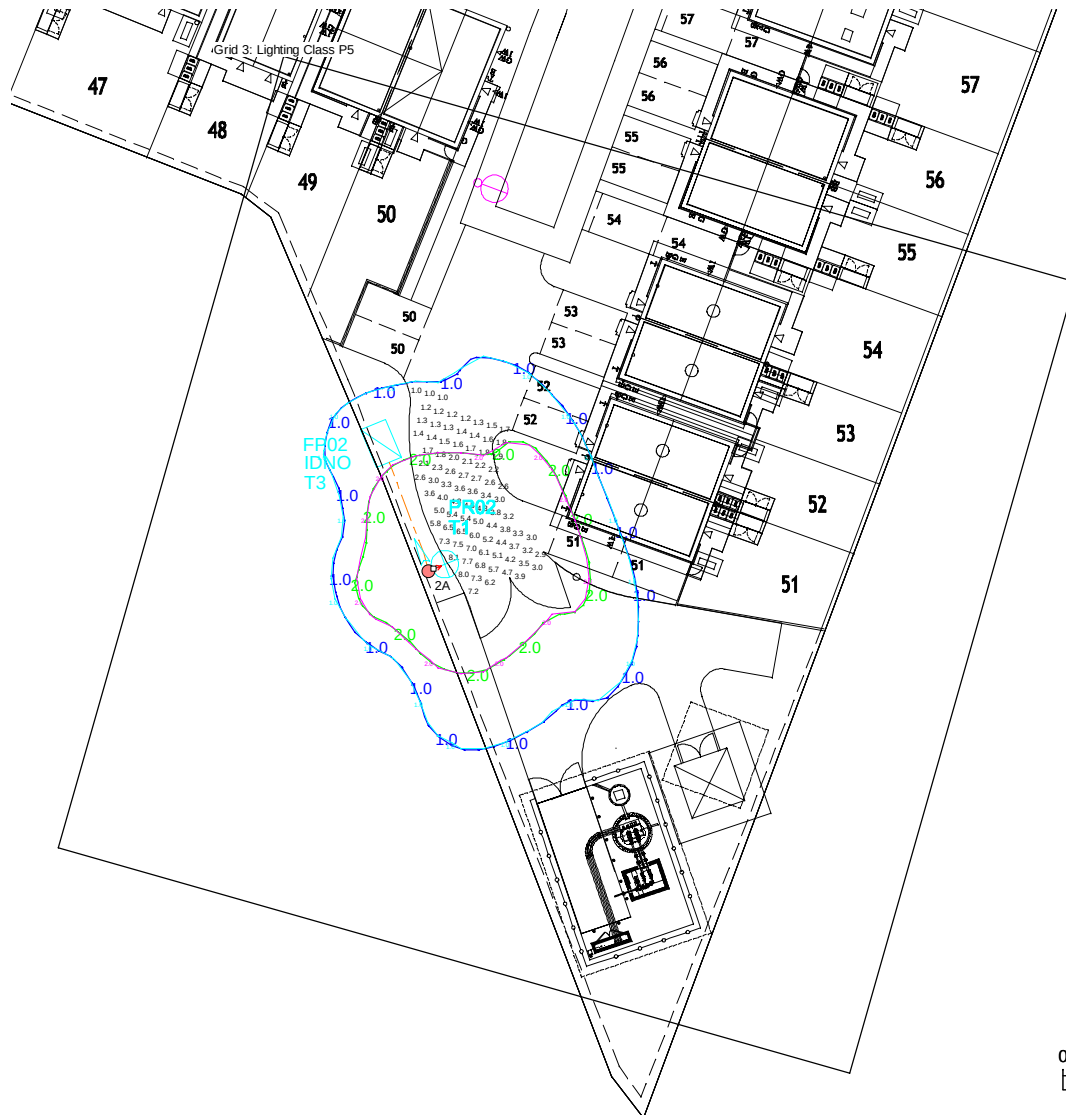


Results

Eav	3.31
Emin	0.89
Emax	8.03
Emin/Emax	0.11
Emin/Eav	0.27

Horizontal Illuminance (lux)

Grid 3: Lighting Class P5



Results

Eav	3.52
Emin	1.02
Emax	8.05
Emin/Emax	0.13
Emin/Eav	0.29