

DATE: 1 December 2025
DESIGNER: SHD Lighting Consultancy Limited
PROJECT No: SHD2504
PROJECT NAME: Glen Dimplex



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

Lighting classification: P3 (BS 5489-1: 2020, Table A.5)

Minimum maintained average illuminance (Eav): >7.50 lux <11.25 lux

Minimum illuminance (Emin): >2.00 lux

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

Designed to P2, using CMS dimming to achieve class P3

Dimmed to 70% lumen output

Outdoor Lighting Report

PREPARED BY: SHD Lighting Consultancy Ltd
Contact: info@shdlighting.co.uk
Phone: 07834 490 192
Website: www.shdlighting.co.uk

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	347805.74	391449.01	375.00	280.00	1.50	1.50
2	Grid 2: Lighting Class P3	347857.39	391605.74	220.00	69.00	1.50	1.50

Luminaires

Luminaire A Data

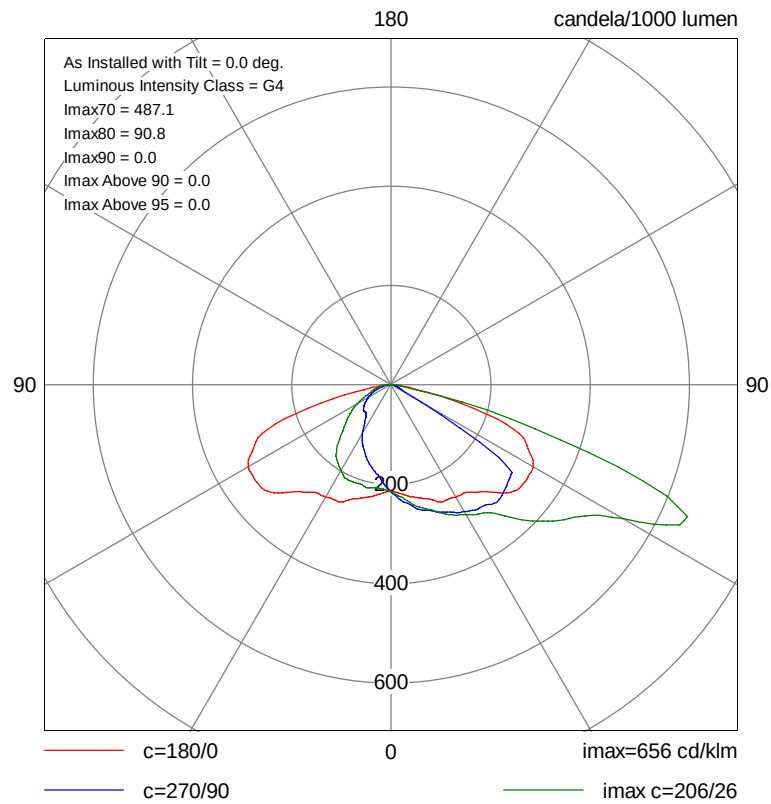
Supplier	Knowsley Council
Type	[I] ISARO PRO L - 48 x WW 3000K LED CRI 70 500mA - WR Optic
Lamp(s)	LEDs
LampFlux(klm)/Colour	10.22 3000/70
File Name	I IP48L50WR730G36_DC.LDT
Maintenance Factor	0.84
Lum. Int. Class	G4
No. in Project	7

Layout

ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
2	A	347845.48	391658.82	10.00	61.00	0.00	0.00	0.50			
3	A	347880.00	391649.89	10.00	81.00	0.00	0.00	0.50			
4	A	347918.84	391653.20	10.00	260.00	0.00	0.00	0.50			
5	A	347959.26	391634.70	10.00	81.00	0.00	0.00	0.50			
6	A	347991.72	391639.61	10.00	261.00	0.00	0.00	0.50			
7	A	348026.01	391622.37	10.00	78.00	0.00	0.00	0.50			
8	A	348061.79	391615.56	10.00	75.00	0.00	0.00	0.50			

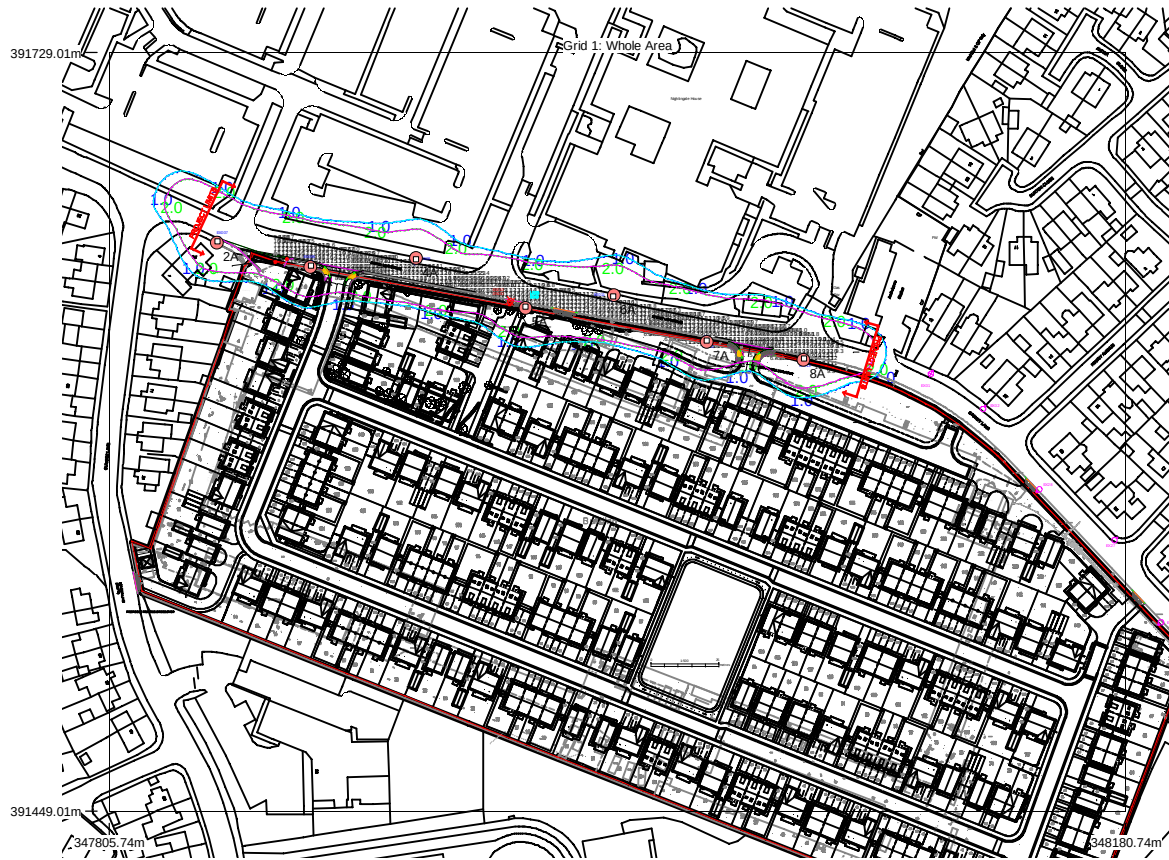
Polar Diagram

Luminaire A [I] ISARO PRO L - 48 x WW 3000K LED CRI70 500mA - WR Optic



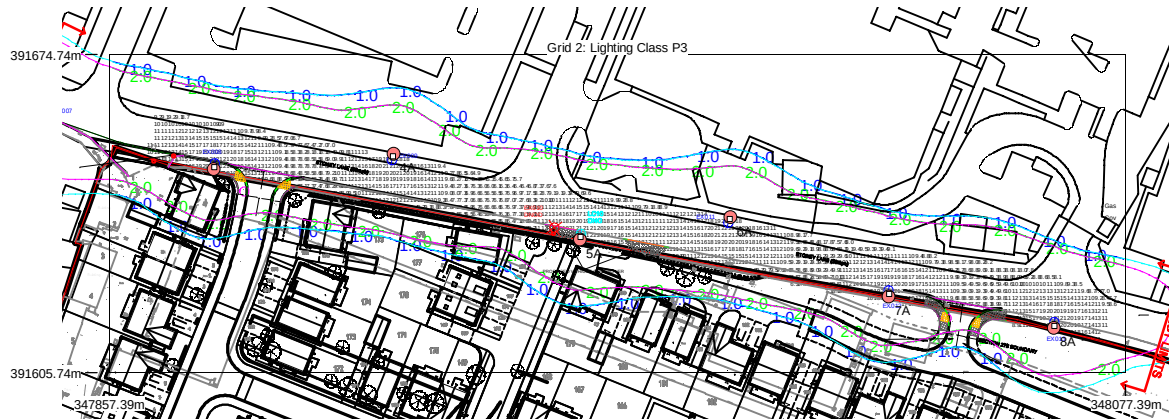
Horizontal Illuminance (lux)

Grid 1: Whole Area



Horizontal Illuminance (lux)

Grid 2: Lighting Class P3



Results

Eav	12.09
Emin	4.91
Emax	21.57
Emin/Emax	0.23
Emin/Eav	0.41