

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%)

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	347898.67	391433.30	375.00	280.00	1.50	1.50
2	Grid 2: Lighting Class P3	348035.74	391624.27	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	1

Luminaire B Data

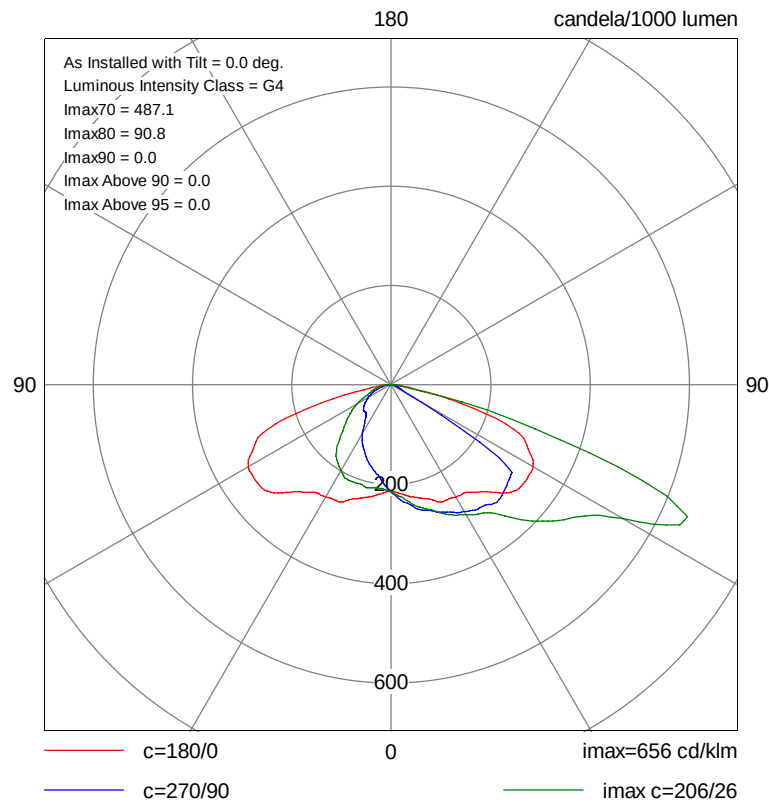
Supplier	St Helens
Type	BGP292 DW52
Lamp(s)	LED-HB 5.2S 740
Lamp Flux (klm)	12.00
File Name	LumiStreet Gen2 Mini_BGP292_DW52_1200 0_40LED_5.2S_CLO_L90_740.ies
Maintenance Factor	0.84
Lum. Int. Class	G2
No. in Project	5

Layout

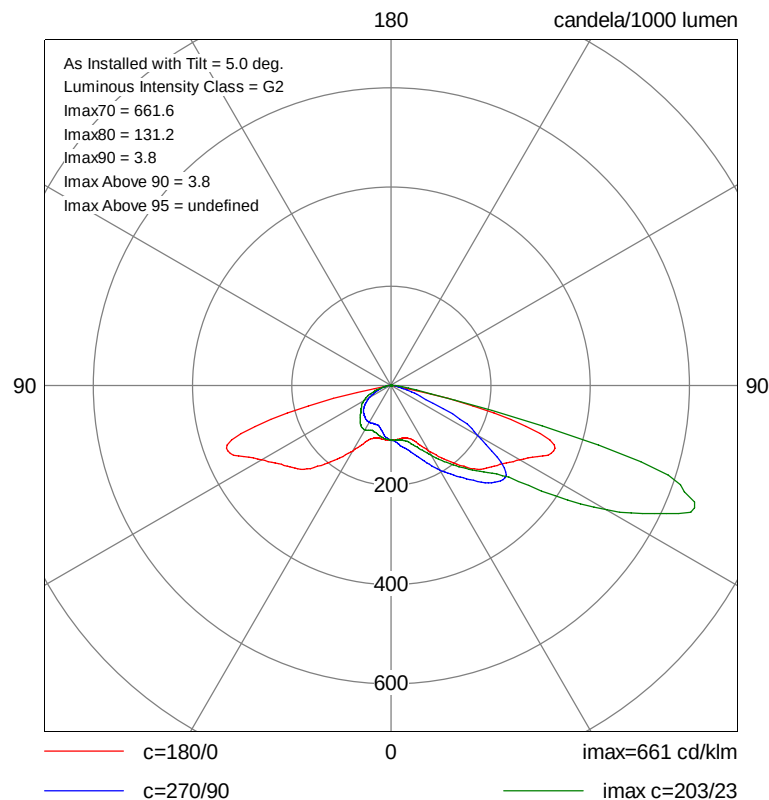
ID	Type	X	Y	Height	Angle	Tilt	Cant	Out-reach	Target X	Target Y	Target Z
1	B	348109.52	391611.52	10.00	241.00	5.00	0.00	1.50			
2	B	348128.95	391598.55	10.00	232.00	5.00	0.00	1.50			
3	B	348147.57	391565.70	10.00	40.00	5.00	0.00	1.50			
4	B	348177.63	391549.87	10.00	222.00	5.00	0.00	1.50			
5	B	348192.89	391517.81	10.00	39.00	5.00	0.00	1.50			
6	A	348061.74	391615.52	10.00	77.00	0.00	0.00	0.50			

Polar Diagrams

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

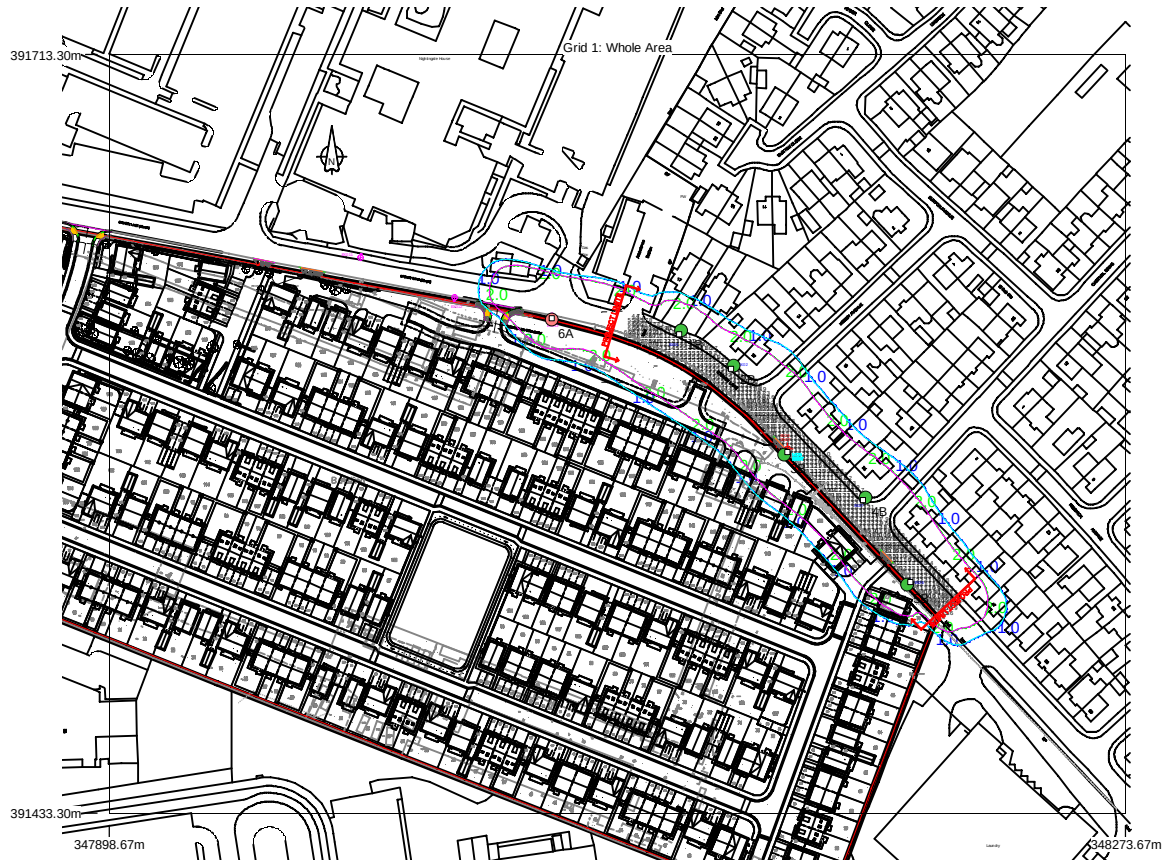


Luminaire B BGP292 DW52



Horizontal Illuminance (lux)

Grid 1: Whole Area



Horizontal Illuminance (lux)

Grid 2: Lighting Class P3



Results

Eav	10.61
Emin	4.68
Emax	16.36
Emin/Emax	0.29
Emin/Eav	0.44