



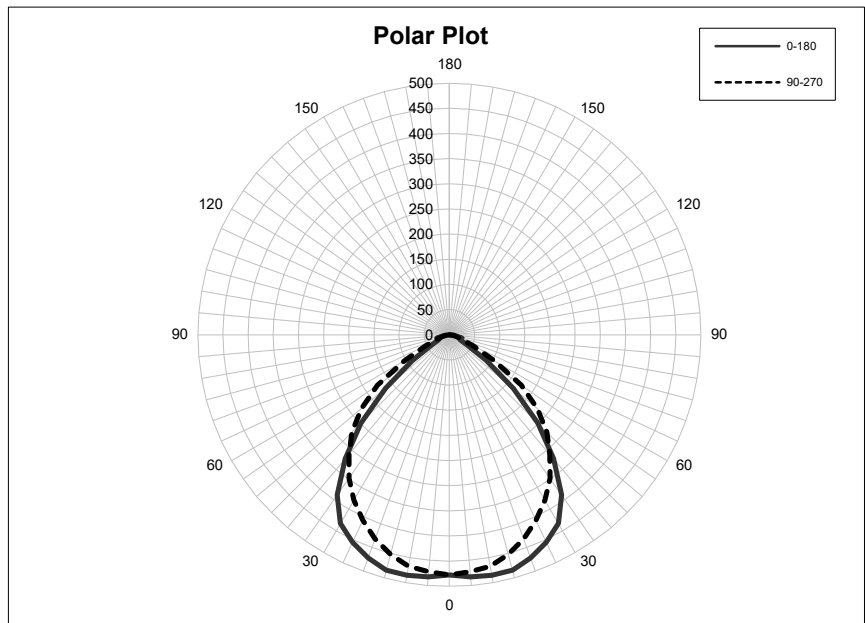
Company Whitecroft Lighting
Test Report Number 12412lu
Luminaire name PP-42148
Lamp ID REGEN GEAR TRAY
File Name 12412lu
Date / User 07/09/2022

Length/diameter of luminaire	594 mm	Number of standard sets of lamps	1
Width of luminaire	595 mm	Number of lamps	-1
Height of luminaire	95 mm	Type of lamp(s)	LED
Length/diameter of horizontal luminous area	575 mm	Total luminous flux	3374 lm
Width of horizontal luminous area	575 mm	Colour temperature	4000k
Height of verticle luminous area C0, C180 planes	0 mm	Colour rendering group	1
Height of verticle luminous area C90, C270 planes	0 mm	Wattage, including ballast	25 w

Utilisation Factors - UF(F) Standard Presentation						SHR NOM= 1.50		SHR MAX= 1.61			
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.733	0.812	0.873	0.915	0.969	1.004	1.028	1.059	1.079
0.70	0.30	0.20	0.675	0.756	0.820	0.865	0.926	0.965	0.993	1.030	1.055
0.70	0.10	0.20	0.632	0.713	0.778	0.826	0.890	0.932	0.963	1.005	1.033
0.50	0.50	0.20	0.719	0.794	0.851	0.890	0.940	0.971	0.993	1.021	1.038
0.50	0.30	0.20	0.667	0.744	0.805	0.848	0.904	0.939	0.964	0.997	1.018
0.50	0.10	0.20	0.628	0.706	0.769	0.813	0.873	0.912	0.940	0.977	1.001
0.30	0.50	0.20	0.707	0.777	0.831	0.867	0.913	0.941	0.961	0.985	1.001
0.30	0.30	0.20	0.660	0.734	0.792	0.831	0.883	0.915	0.937	0.967	0.986
0.30	0.10	0.20	0.625	0.700	0.760	0.802	0.857	0.892	0.918	0.950	0.971
0.00	0.00	0.00	0.607	0.679	0.736	0.775	0.825	0.856	0.879	0.907	0.925

LOR	100.0	%
DLOR	100.0	%
ULOR	0.0	%
DFF	100.0	%
SHR NOM	1.50	
SHR MAX	1.61	
SHR TR MAX	1.93	
British Zonal Class	BZ1	
Max Luminance >=65 Deg	1285	cd/m2
Conversion Factor	1.000	

Luminous Intensity Distribution (cd/Klm)				
G / C	Trns	30	60	Axial
0	477.4	477.4	477.4	477.4
5	483.1	479.7	474.3	473.1
10	485.3	481.1	471.8	467.0
15	484.3	479.4	462.6	452.1
20	472.1	468.7	446.3	431.7
25	455.1	449.1	428.0	406.5
30	432.8	427.7	402.9	379.7
35	388.8	394.1	372.1	348.4
40	322.0	341.3	334.6	310.6
45	249.0	275.0	292.4	274.3
50	165.4	199.7	239.2	227.8
55	89.5	126.4	171.8	174.1
60	40.0	66.4	100.3	103.0
65	24.3	30.9	45.2	53.2
70	20.6	18.1	22.5	25.6
75	26.0	17.5	12.1	14.2
80	10.4	20.4	8.4	8.1
85	2.2	2.5	4.3	4.1
90	0.5	0.6	0.7	1.2





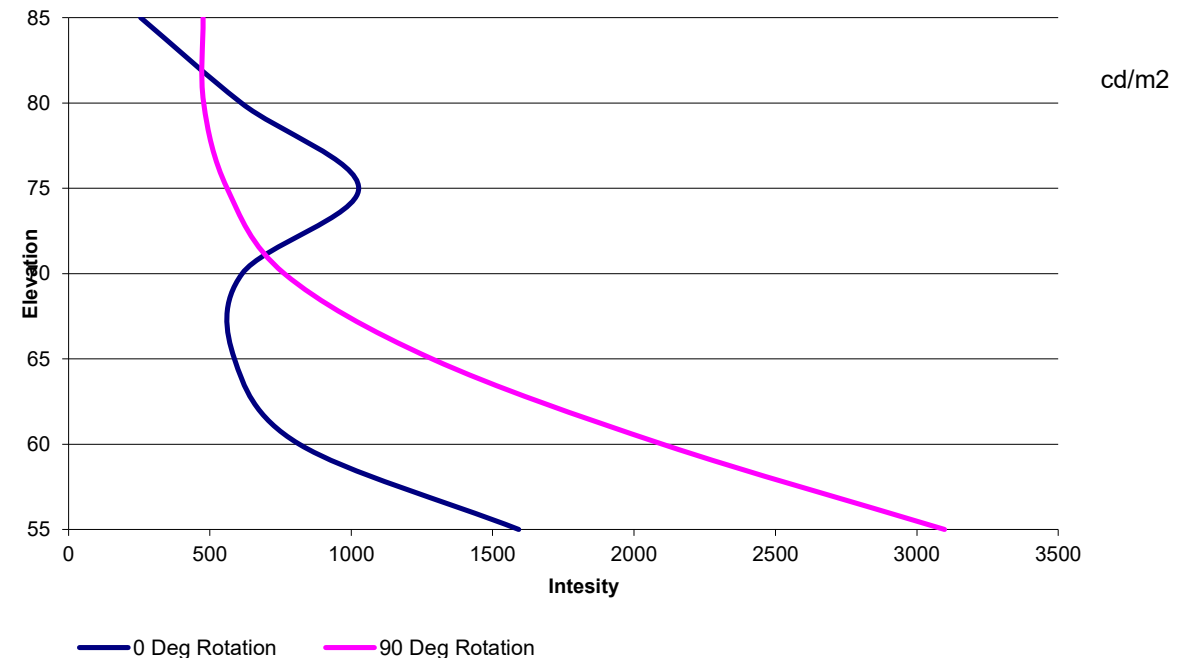
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Maximum Value related to Lamp used 938.7

Rotation Elevation	Values in cd/m2											
	0	15	30	45	60	75	90	105	120	135	150	165
55	1593	1597	2192	2249	2947	2875	3097	2946	3167	2352	2305	1626
60	816.7	884.8	1363	1307	1997	1853	2102	1891	2096	1334	1349	879.9
65	586.5	578.3	748.9	696.4	1053	1064	1285	1045	1132	630.9	745.4	576
70	613.6	610.7	538.5	480.8	669.9	633.8	763.7	643.9	671.3	459.1	541.4	612.1
75	1026	1051	690.6	501.8	469.3	465.5	560.9	461.7	488.4	503.7	690.6	1044
80	611.4	344.1	1237	830.3	489.1	386.7	477.7	406.6	500.5	773.4	1163	290
85	254.9	232.3	288.9	226.6	577.9	334.3	475.9	322.9	424.9	209.6	294.6	232.3

Rotation Elevation	180	195	210	225	240	255	270	285	300	315	330	345
55	1593	1597	2192	2249	2947	2875	3097	2946	3167	2352	2305	1626
60	816.7	884.8	1363	1307	1997	1853	2102	1891	2096	1334	1349	879.9
65	586.5	578.3	748.9	696.4	1053	1064	1285	1045	1132	630.9	745.4	576
70	613.6	610.7	538.5	480.8	669.9	633.8	763.7	643.9	671.3	459.1	541.4	612.1
75	1026	1051	690.6	501.8	469.3	465.5	560.9	461.7	488.4	503.7	690.6	1044
80	611.4	344.1	1237	830.3	489.1	386.7	477.7	406.6	500.5	773.4	1163	290
85	254.9	232.3	288.9	226.6	577.9	334.3	475.9	322.9	424.9	209.6	294.6	232.3

Maximum Value 1285 Lumens / Watt 135



Power Consumption against Stated #####