



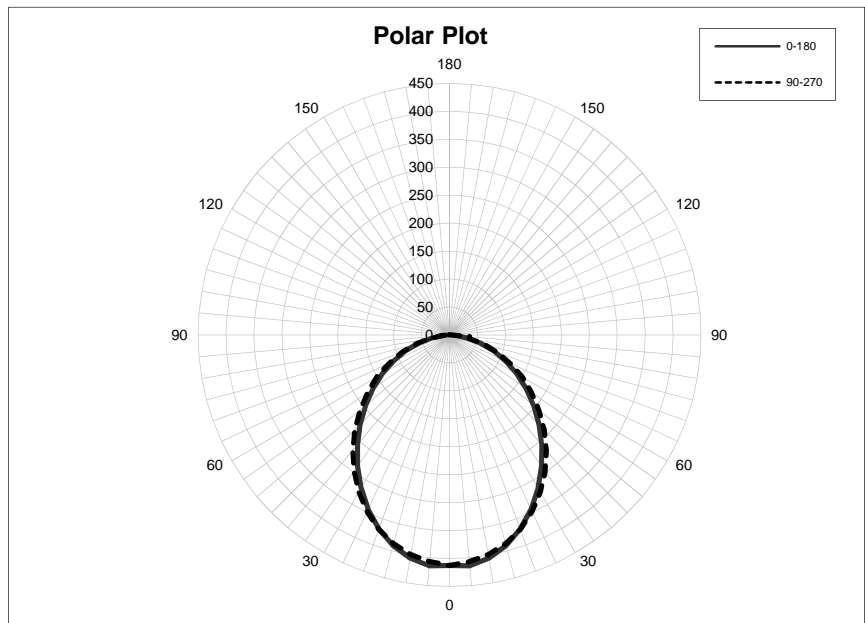
Company Whitecroft Lighting
 Test Report Number 11594
 Luminaire name Helm
 Lamp ID HEH24K
 File Name 11594lu3
 Date / User 22/07/2019

Length/diameter of luminaire	1198 mm	Number of standard sets of lamps	1
Width of luminaire	117 mm	Number of lamps	1
Height of luminaire	68 mm	Type of lamp(s)	LED
Length/diameter of horizontal luminous area	1168 mm	Total luminous flux	3063 lm
Width of horizontal luminous area	88 mm	Colour temperature	4000k
Height of verticle luminous area C0, C180 planes	0 0 mm	Colour rendering group	1
Height of verticle luminous area C90, C270 planes	0 0 mm	Wattage, including ballast	27 w

Utilisation Factors - UF(F) Standard Presentation										SHR NOM=	1.25	SHR MAX=	1.48
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	0.594	0.695	0.767	0.818	0.888	0.937	0.970	1.013	1.041		
0.70	0.30	0.20	0.519	0.622	0.696	0.751	0.830	0.884	0.922	0.974	1.008		
0.70	0.10	0.20	0.464	0.567	0.642	0.699	0.781	0.839	0.881	0.940	0.978		
0.50	0.50	0.20	0.578	0.675	0.743	0.791	0.857	0.902	0.933	0.974	0.999		
0.50	0.30	0.20	0.511	0.610	0.681	0.734	0.808	0.858	0.893	0.942	0.972		
0.50	0.10	0.20	0.461	0.561	0.633	0.688	0.765	0.820	0.859	0.913	0.947		
0.30	0.50	0.20	0.564	0.657	0.720	0.766	0.829	0.870	0.899	0.937	0.961		
0.30	0.30	0.20	0.504	0.600	0.668	0.718	0.787	0.834	0.867	0.911	0.939		
0.30	0.10	0.20	0.458	0.555	0.625	0.677	0.751	0.801	0.838	0.887	0.918		
0.00	0.00	0.00	0.437	0.531	0.598	0.648	0.717	0.764	0.798	0.843	0.871		

LOR	100.0	%
DLOR	100.0	%
ULOR	0.0	%
DFF	100.0	%
SHR NOM	1.25	
SHR MAX	1.48	
SHR TR MAX	1.71	
British Zonal Class	BZ4	
Max Luminance >=65 Deg	8405	cd/m2
Conversion Factor	1.000	

Luminous Intensity Distribution (cd/Klm)				
G / C	Tms	30	60	Axial
0	412.7	412.7	412.7	412.7
5	414.7	412.5	408.0	407.0
10	405.6	403.8	399.9	399.2
15	390.1	389.1	386.8	386.7
20	369.3	369.4	369.3	370.1
25	344.3	345.4	347.2	349.0
30	316.3	318.4	322.4	324.7
35	286.7	289.6	295.2	297.9
40	256.4	260.0	266.8	269.5
45	226.1	229.5	236.9	239.0
50	196.6	199.5	206.8	208.3
55	166.5	169.9	176.7	178.9
60	138.2	140.9	146.8	149.6
65	110.4	113.8	117.3	119.2
70	83.5	85.3	88.6	90.0
75	56.4	58.5	61.1	61.6
80	33.0	34.1	35.6	36.0
85	12.8	13.6	13.8	13.8
90	1.2	1.2	1.3	1.2





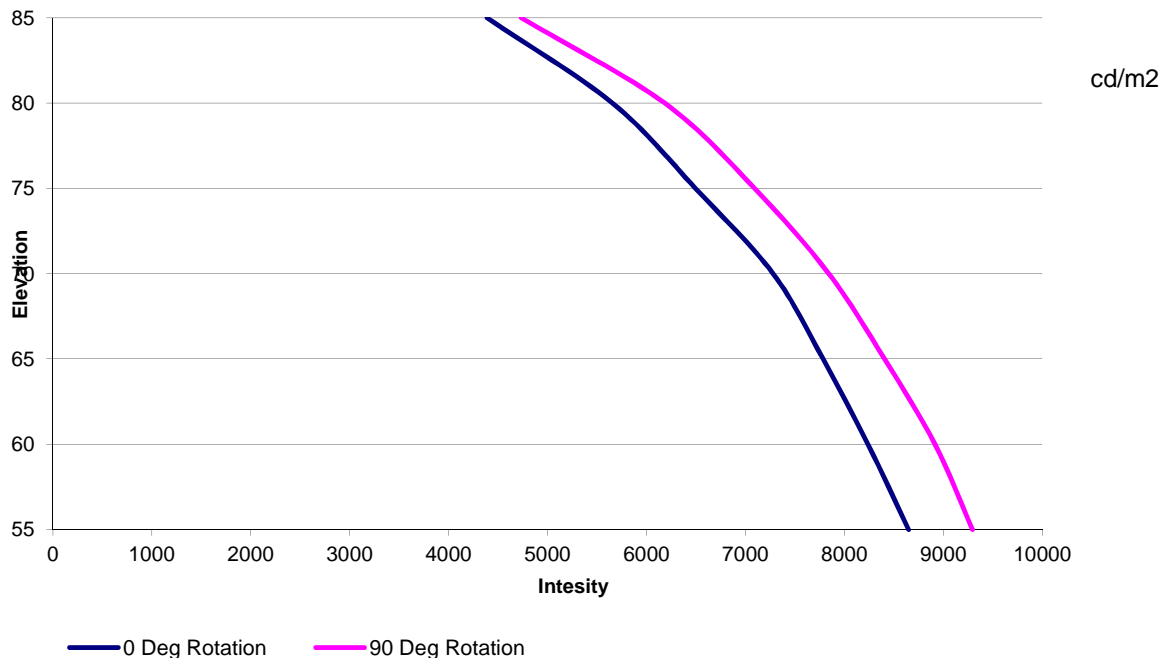
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Test Report Number 11594
Luminaire name Helm
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Maximum Value related to Lamp used 0

Rotation Elevation	Values in cd/m2											
	0	15	30	45	60	75	90	105	120	135	150	165
55	8648	8324	8879	8656	9216	8840	9293	8821	9148	8579	8774	8316
60	8237	7878	8423	8152	8753	8372	8914	8335	8747	8051	8369	7790
65	7783	7325	8137	7600	8323	7864	8405	7809	8218	7537	7917	7291
70	7279	6722	7472	7067	7785	7146	7841	7072	7652	6897	7385	6653
75	6494	5849	6779	6166	7078	6299	7090	6208	6992	5947	6683	5752
80	5655	4749	5991	4867	6245	5085	6182	4985	5964	4740	5701	4613
85	4387	2944	4893	2872	5057	3197	4732	2978	4407	2746	4407	2725

Rotation Elevation	180	195	210	225	240	255	270	285	300	315	330	345
55	8648	8324	8879	8656	9216	8840	9293	8821	9148	8579	8774	8316
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Maximum Value 8405 Lumens / Watt 113



Power Consumption against Stated ####