

IES ROAD REPORT
PHOTOMETRIC FILENAME : XLCL-5-LED-HO-CW.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7052
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/20/15
[TEST DATE]07/20/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCL-5-LED-HO-CW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]59153

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	59153
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	546.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	18801
Maximum Candela Angle	90H 7.5V
Maximum Candela (<90 Degrees Vertical)	18801
Maximum Candela Angle (<90 Degrees Vertical)	90H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2380 (4.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	6313.1	N.A.	10.7
FM - Front-Medium (30-60)	13714.3	N.A.	23.2
FH - Front-High (60-80)	9330.5	N.A.	15.8
FVH - Front-Very High (80-90)	218.8	N.A.	0.4
BL - Back-Low (0-30)	6313.1	N.A.	10.7
BM - Back-Medium (30-60)	13714.3	N.A.	23.2
BH - Back-High (60-80)	9330.5	N.A.	15.8
BVH - Back-Very High (80-90)	218.8	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	59153.4	N.A.	100.0
BUG Rating	B5-U0-G4		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>15</u>	<u>25</u>	<u>35</u>	<u>45</u>	<u>55</u>	<u>65</u>	<u>75</u>	<u>85</u>
0.0	18216	18216	18216	18216	18216	18216	18216	18216	18216	18216
2.5	18301	18225	18261	18217	18157	18086	18155	18178	18209	18154
5.0	18383	18344	18348	18368	18365	18300	18419	18452	18485	18436
7.5	18586	18511	18538	18591	18543	18454	18600	18673	18752	18695
10.0	18362	18332	18401	18419	18375	18318	18475	18477	18547	18486
12.5	17647	17648	17742	17756	17738	17707	17700	17594	17646	17495
15.0	16797	16724	16866	16952	16920	16716	16821	16790	16844	16630
17.5	15696	15653	15823	15891	15743	15555	15860	15897	15820	15796
20.0	14768	14791	15048	14889	14458	14317	14637	14965	15138	15153
22.5	14000	14077	14223	13915	13324	13113	13468	14123	14484	14659
25.0	13752	13811	13719	13110	12347	11924	12619	13650	14261	14450
27.5	13670	13715	13311	12537	11524	10839	12009	13172	13958	14329
30.0	13588	13682	13070	11978	10791	10099	11177	12595	13639	14232
32.5	13498	13650	12994	11492	10041	9694	10358	11943	13484	14236
35.0	13318	13386	12731	11035	9636	9409	9793	11412	13276	14031
37.5	13002	13139	12426	10533	9491	9253	9384	10788	12776	13436
40.0	13244	13372	12208	10081	9364	9123	9225	10265	12438	13259
42.5	13753	13887	12202	10018	9293	8979	9062	9856	12162	13635
45.0	14395	14489	12441	10234	9400	8915	9046	9654	12028	13978
47.5	15140	15167	12876	10602	9594	8982	9131	9616	12161	14532
50.0	15958	15655	13539	11289	9890	9305	9286	9953	12649	14798
52.5	16107	15782	13735	12075	10539	9844	9737	10744	12922	14478
55.0	16096	15977	13722	12524	11518	10619	10665	11319	12916	14461
57.5	16519	16301	14068	12691	12238	11871	11539	11564	13373	14925
60.0	16648	16298	14560	13021	12600	13047	12278	12037	14118	15180
62.5	16042	15637	14594	13236	13174	13492	13236	12592	14456	14817
65.0	14428	13959	13710	13041	13585	13869	13963	12656	13454	13390
67.5	12199	11519	11682	11734	13270	14301	13652	11774	11272	10977
70.0	9458	8556	8925	9805	12099	13673	12256	10022	8366	8082
72.5	6898	6106	6518	7629	10178	11230	9994	7612	5691	5402
75.0	4377	3709	4443	5484	7587	7903	7262	5198	3579	3134
77.5	2436	2033	2681	3471	4713	4753	4360	2919	1892	1445
80.0	1235	1065	1521	1841	2380	2284	2041	1229	951	597
82.5	517	455	943	639	910	817	720	428	526	253
85.0	171	169	354	155	199	184	170	103	166	87
87.5	26	27	29	28	30	27	26	25	28	26
90.0	0	0	0	0	0	0	0	0	0	0

**Vert.
Angles** **Horizontal Angles**

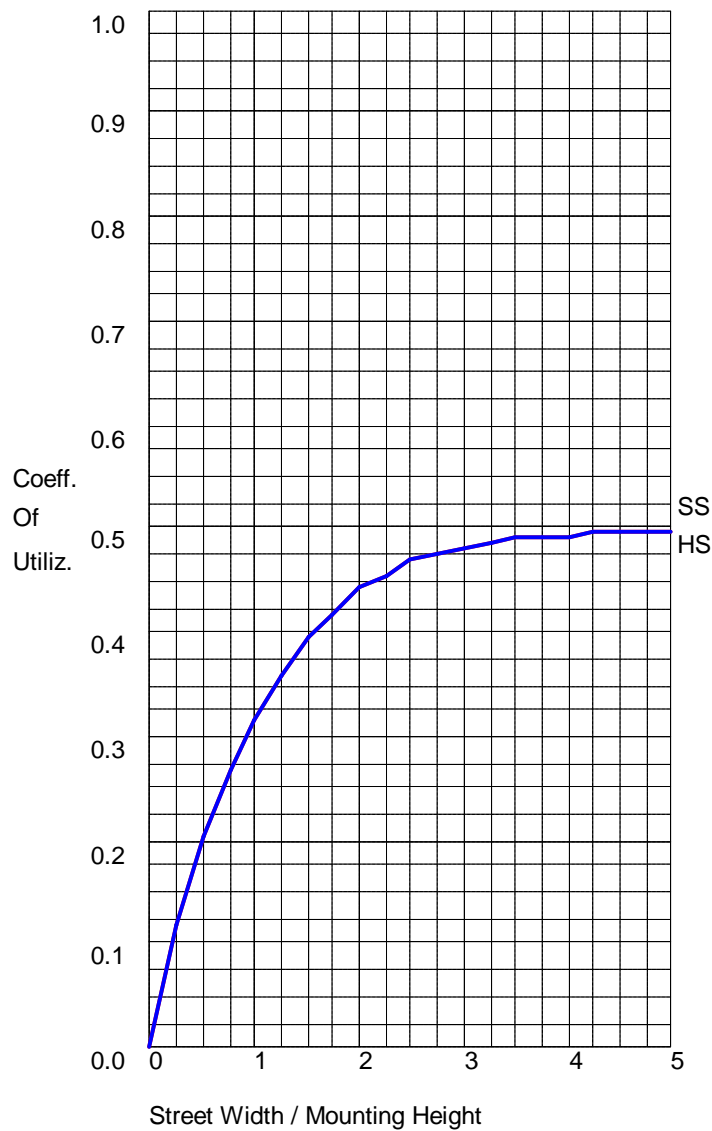
	<u>90</u>
0.0	18216
2.5	18257
5.0	18575
7.5	18801
10.0	18574
12.5	17598
15.0	16705
17.5	15828
20.0	15240
22.5	14676
25.0	14442
27.5	14366

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CANDELA TABULATION - (Cont.)

30.0	14288
32.5	14228
35.0	14049
37.5	13454
40.0	13241
42.5	13724
45.0	14071
47.5	14651
50.0	15128
52.5	14776
55.0	14777
57.5	15236
60.0	15231
62.5	14859
65.0	13433
67.5	11126
70.0	8208
72.5	5663
75.0	3307
77.5	1483
80.0	576
82.5	237
85.0	83
87.5	26
90.0	0

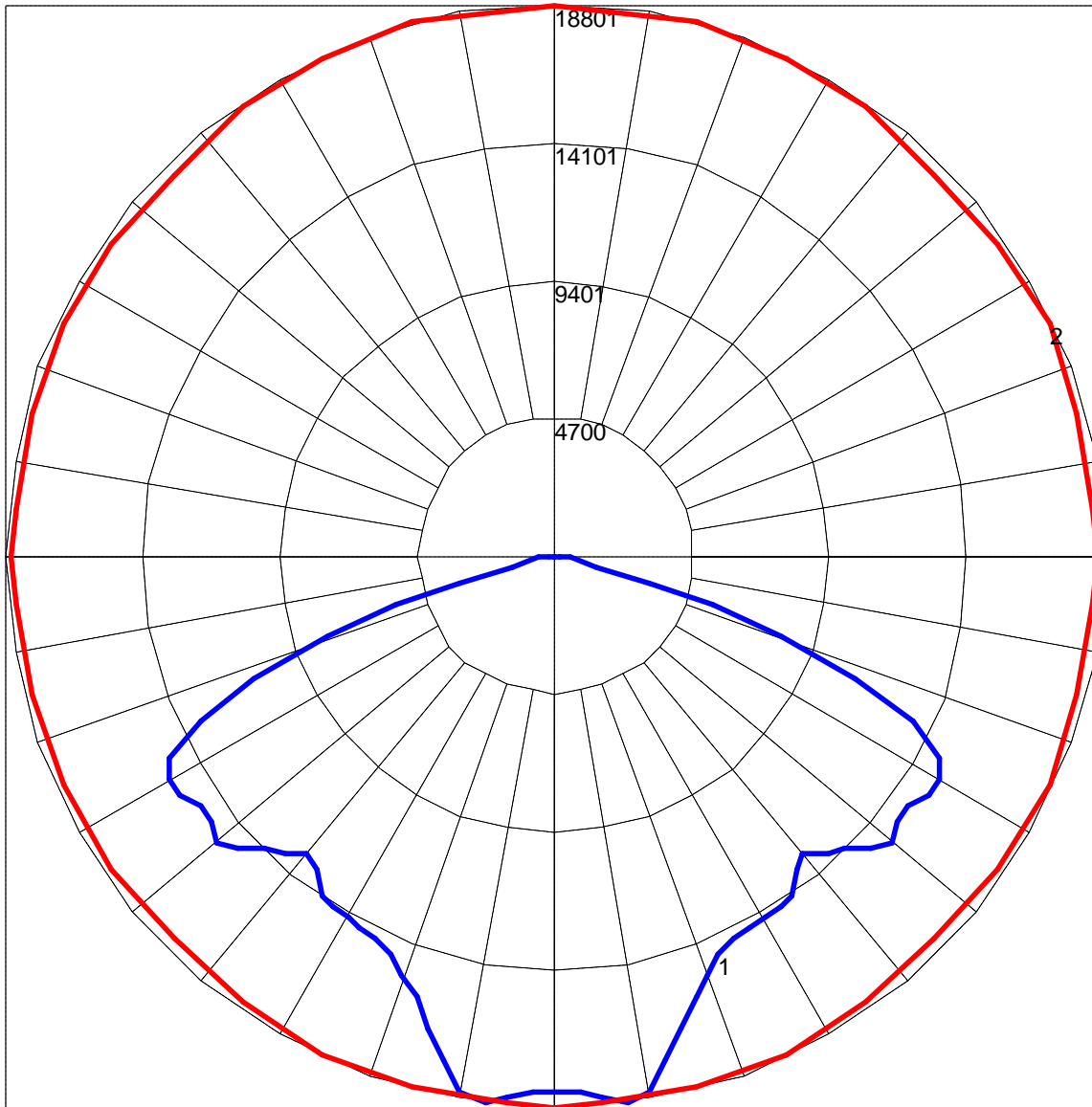
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

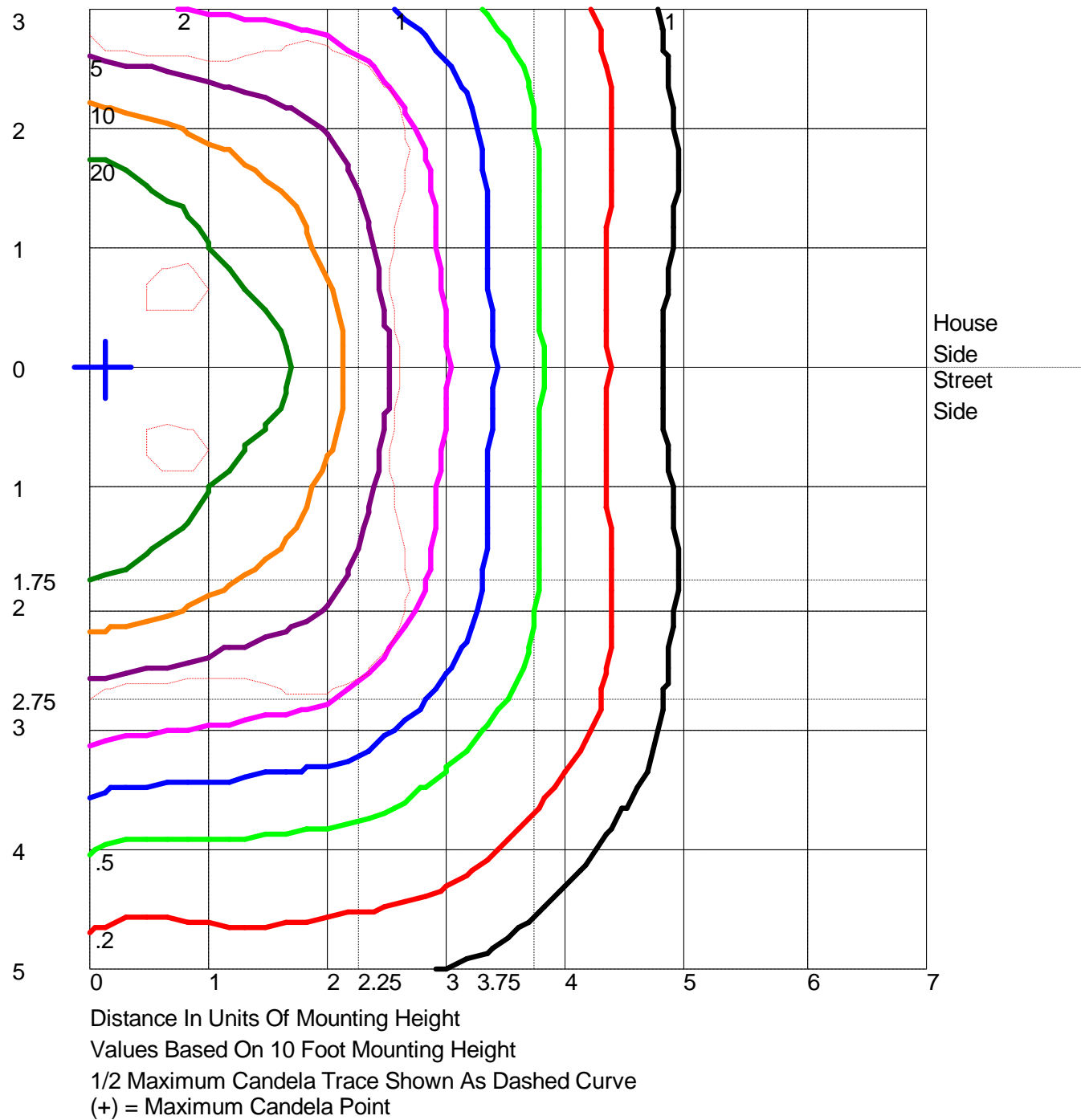
	Lumens	Percent Of Luminaire
Downward Street Side	29576.7	50.0
Downward House Side	29576.7	50.0
Downward Total	59153.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	59153.4	100.0

POLAR GRAPH

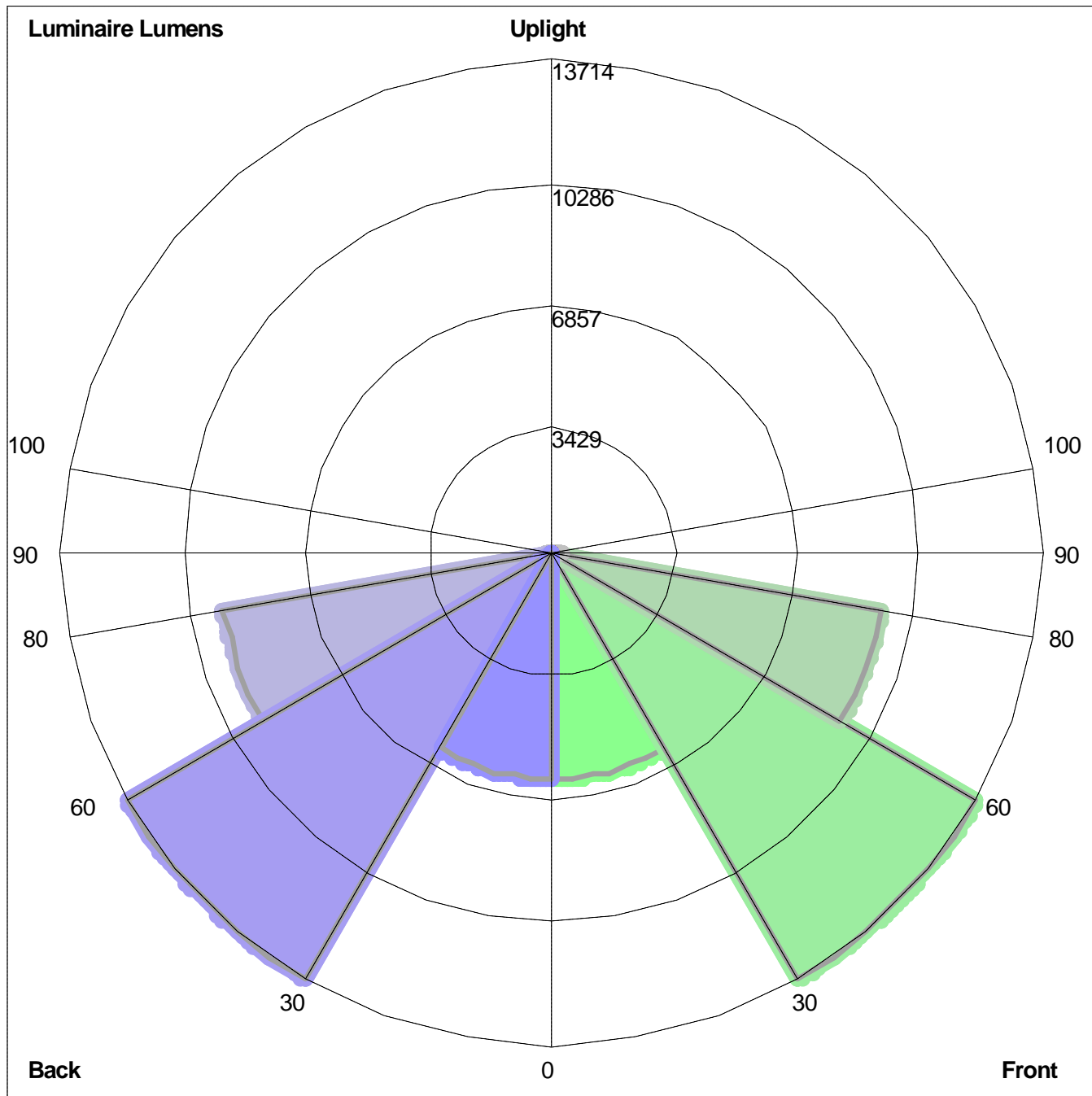


Maximum Candela = 18801 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=6313.1, Medium=13714.3, High=9330.5, Very High=218.8
Back: Low=6313.1, Medium=13714.3, High=9330.5, Very High=218.8
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4