



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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7062
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/22/15
[TEST DATE]07/22/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCL-5-LED-HO-NW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]57636

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	57636
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	544.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	19008
Maximum Candela Angle	0H 5V
Maximum Candela (<90 Degrees Vertical)	19008
Maximum Candela Angle (<90 Degrees Vertical)	0H 5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2370 (4.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	6316.4	N.A.	11.0
FM - Front-Medium (30-60)	13480.5	N.A.	23.4
FH - Front-High (60-80)	8794.9	N.A.	15.3
FVH - Front-Very High (80-90)	226.4	N.A.	0.4
BL - Back-Low (0-30)	6316.4	N.A.	11.0
BM - Back-Medium (30-60)	13480.5	N.A.	23.4
BH - Back-High (60-80)	8794.9	N.A.	15.3
BVH - Back-Very High (80-90)	226.4	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	57636.4	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	18934	18934	18934	18934	18934	18934	18934	18934	18934	18934
2.5	18986	18998	18901	18972	18944	18887	18882	18900	18859	18839
5.0	19008	18995	18921	18990	18907	18865	18839	18861	18836	18807
7.5	18925	18928	18865	18830	18792	18723	18719	18774	18797	18772
10.0	18621	18640	18565	18580	18538	18522	18541	18555	18595	18595
12.5	17734	17803	17757	17810	17746	17745	17729	17713	17686	17647
15.0	16712	16751	16783	16919	16890	16757	16761	16803	16784	16638
17.5	15750	15818	15757	15854	15738	15624	15675	15695	15669	15660
20.0	15105	15140	14944	14687	14420	14206	14312	14569	15000	15216
22.5	14603	14607	14361	13776	13137	12916	13216	13844	14558	14894
25.0	14138	14086	13797	13108	12190	11697	12410	13431	14221	14513
27.5	13980	13917	13345	12465	11423	10722	11779	12998	13883	14328
30.0	13916	13818	13035	11796	10664	10115	11085	12413	13506	14207
32.5	13827	13709	12965	11247	9944	9775	10370	11751	13276	14217
35.0	13606	13533	12738	10777	9575	9487	9805	11207	13135	14126
37.5	13171	13298	12368	10345	9425	9229	9442	10662	12673	13589
40.0	13256	13356	12139	10008	9351	9067	9226	10223	12325	13222
42.5	13857	13765	12070	10014	9292	8961	9037	9928	11994	13426
45.0	14554	14385	12160	10230	9374	8929	9012	9686	11813	13761
47.5	15209	14918	12459	10538	9582	9074	9085	9689	11914	14286
50.0	15666	15336	12833	11059	9858	9401	9261	9993	12395	14485
52.5	15506	15304	13010	11676	10371	9811	9703	10713	12630	14288
55.0	15321	15046	12986	12000	11148	10477	10586	11287	12657	14184
57.5	15463	15115	13144	12038	11682	11546	11397	11485	12934	14428
60.0	15319	15086	13410	12148	11926	12473	12019	11725	13369	14472
62.5	14655	14454	13409	12276	12380	12794	12608	11968	13554	14046
65.0	13485	13086	12787	12013	12655	13001	13058	11892	12686	12391
67.5	11606	10954	11192	11105	12356	13192	12676	10871	10548	10033
70.0	9125	8434	8761	9513	11404	12634	11284	9145	7806	7356
72.5	6702	5960	6488	7384	9640	10559	9146	6928	5292	4913
75.0	4368	3814	4482	5364	7255	7570	6689	4788	3354	2917
77.5	2542	2168	2703	3412	4621	4629	4196	2814	1831	1437
80.0	1263	1153	1540	1803	2370	2360	2088	1322	943	657
82.5	523	500	878	682	913	915	813	491	511	265
85.0	171	173	297	169	218	220	200	118	181	90
87.5	27	30	30	30	30	28	27	24	25	22
90.0	0	0	0	0	0	0	0	0	0	0

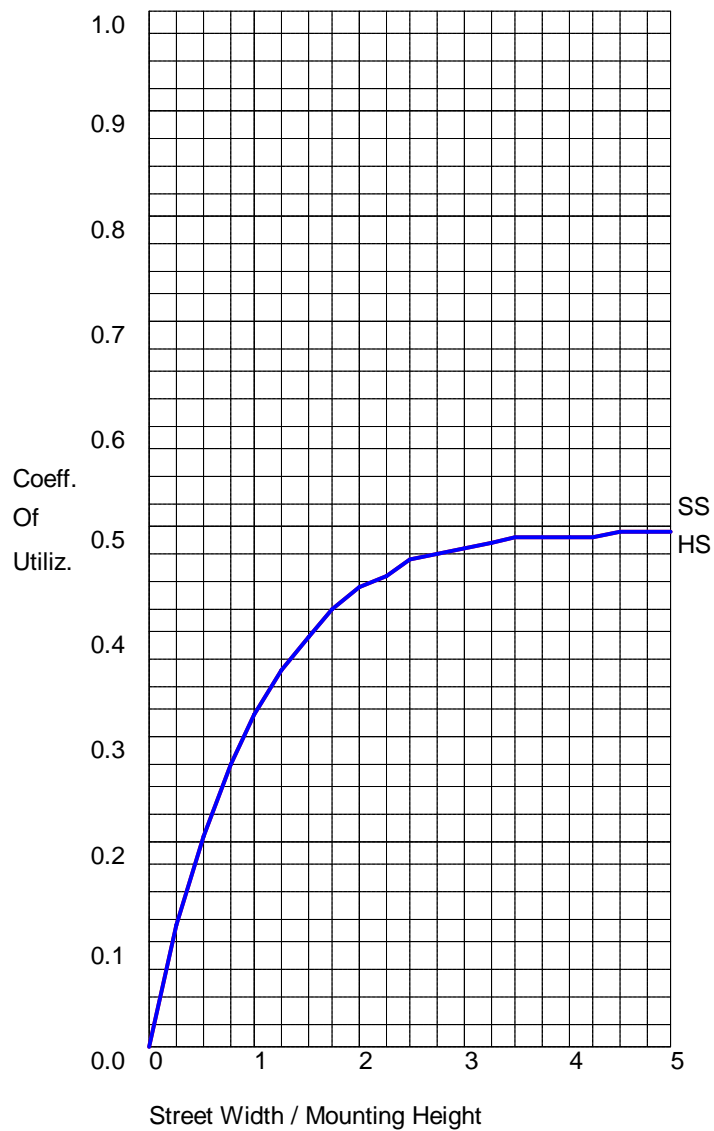
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	18934
2.5	18886
5.0	18854
7.5	18805
10.0	18607
12.5	17601
15.0	16636
17.5	15675
20.0	15248
22.5	14949
25.0	14592
27.5	14373

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CANDELA TABULATION - (Cont.)

30.0	14287
32.5	14275
35.0	14191
37.5	13601
40.0	13228
42.5	13542
45.0	13929
47.5	14577
50.0	14874
52.5	14654
55.0	14376
57.5	14778
60.0	14557
62.5	14002
65.0	12425
67.5	10235
70.0	7517
72.5	5163
75.0	3098
77.5	1449
80.0	627
82.5	257
85.0	84
87.5	22
90.0	0

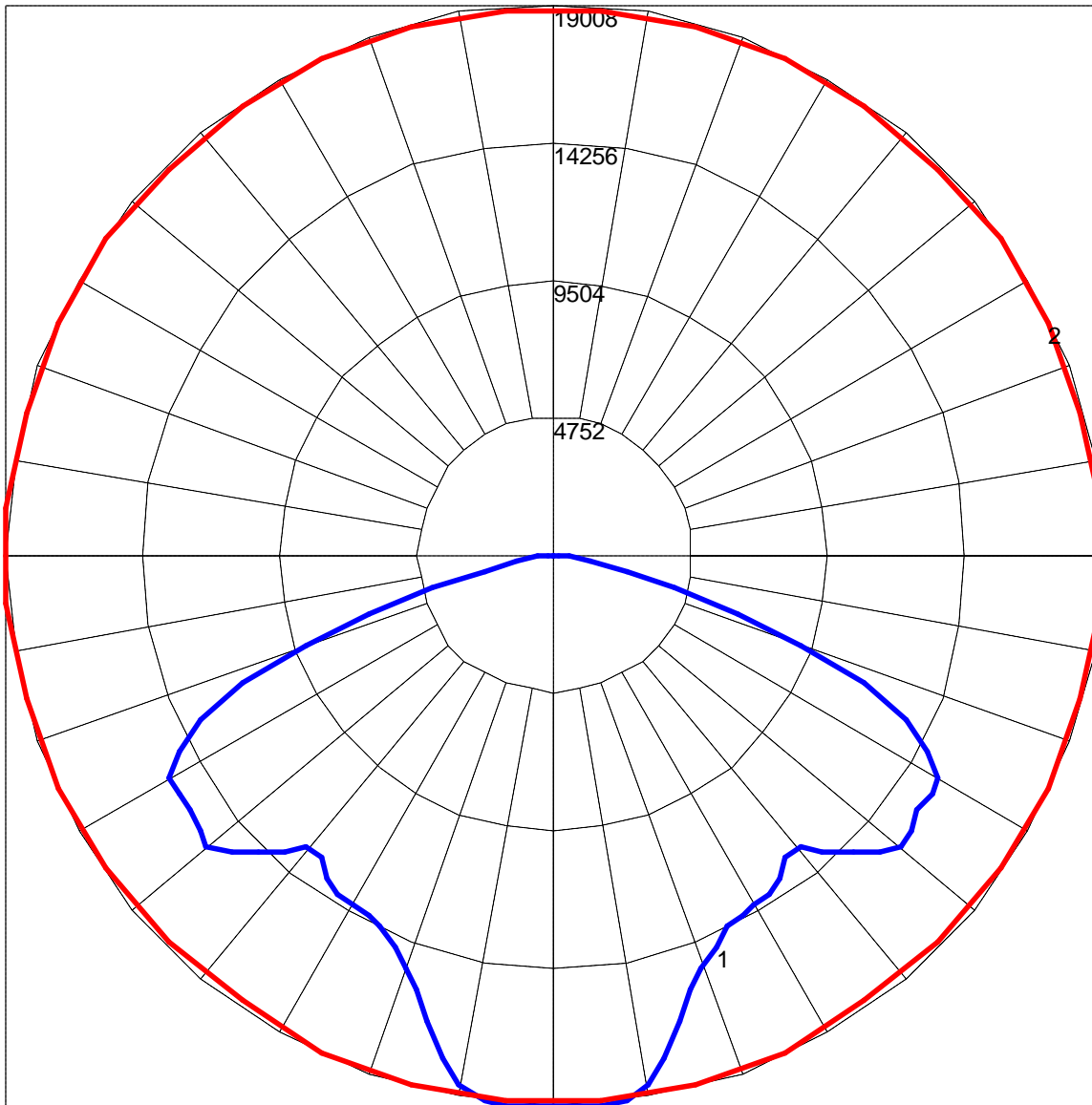
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

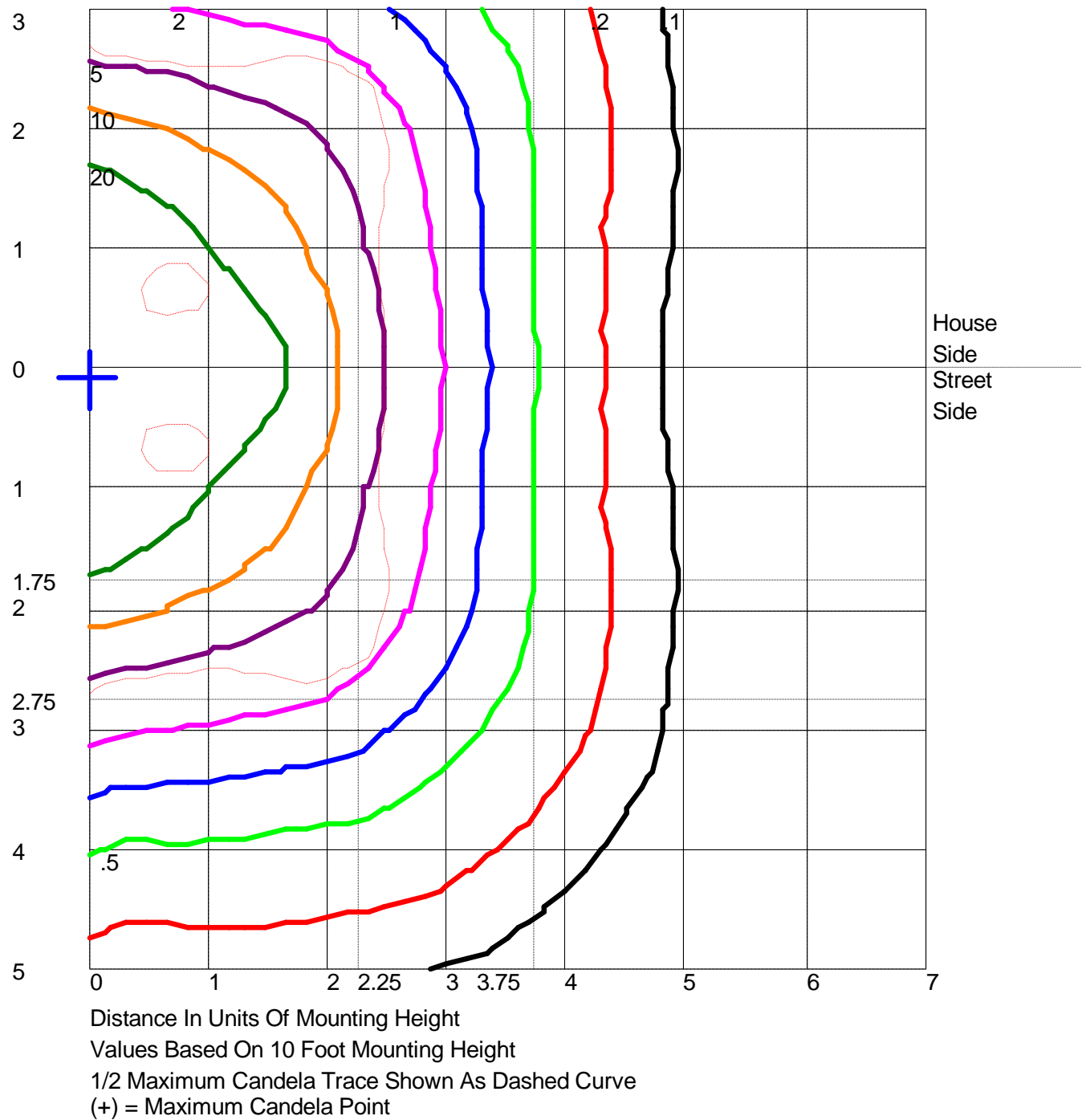
	Lumens	Percent Of Luminaire
Downward Street Side	28818.2	50.0
Downward House Side	28818.2	50.0
Downward Total	57636.4	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	57636.4	100.0

POLAR GRAPH

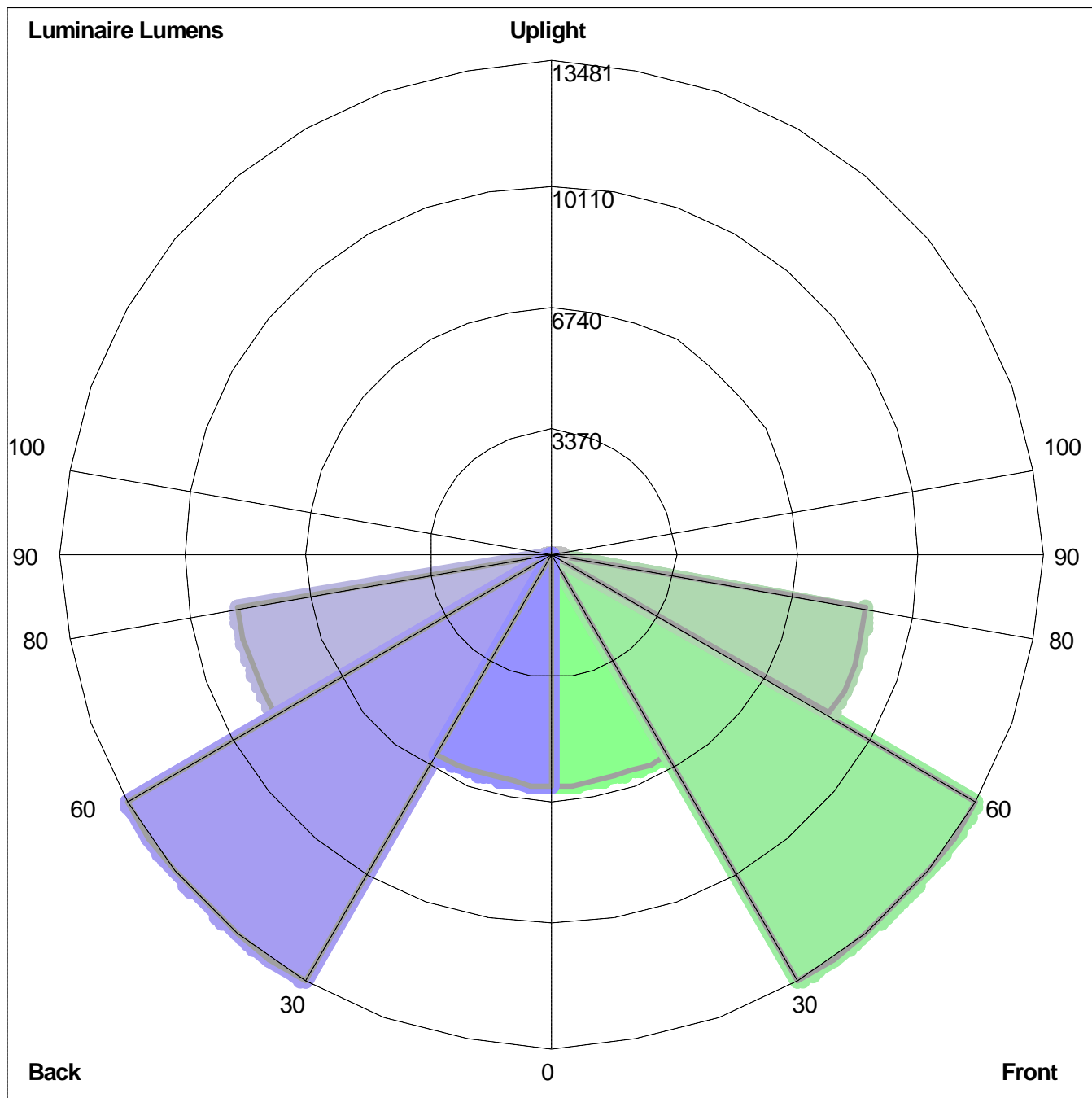


Maximum Candela = 19008 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=6316.4, Medium=13480.5, High=8794.9, Very High=226.4
Back: Low=6316.4, Medium=13480.5, High=8794.9, Very High=226.4
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4