

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

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]LED-7066
[TESTLAB]LSI INDUSTRIES, INC
[ISSUE DATE]07/23/15
[TEST DATE]07/23/15
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMEN CATEGORY]XLCL-5-LED-SS-NW
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[ABSOLUTE LUMENS]49629

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	49629
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	434.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15969
Maximum Candela Angle	90H 7.5V
Maximum Candela (<90 Degrees Vertical)	15969
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	2293 (4.6% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5374.8	N.A.	10.8
FM - Front-Medium (30-60)	11363.9	N.A.	22.9
FH - Front-High (60-80)	7852.7	N.A.	15.8
FVH - Front-Very High (80-90)	223.1	N.A.	0.4
BL - Back-Low (0-30)	5374.8	N.A.	10.8
BM - Back-Medium (30-60)	11363.9	N.A.	22.9
BH - Back-High (60-80)	7852.7	N.A.	15.8
BVH - Back-Very High (80-90)	223.1	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	49629.0	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	15534	15534	15534	15534	15534	15534	15534	15534	15534	15534
2.5	15637	15669	15623	15579	15610	15555	15607	15640	15597	15524
5.0	15496	15567	15590	15549	15615	15505	15558	15728	15697	15635
7.5	15868	15869	15790	15738	15702	15640	15767	15890	15932	15889
10.0	15323	15348	15290	15160	15308	15345	15339	15419	15527	15371
12.5	15011	15018	14752	14671	14720	14688	14618	14603	14668	14693
15.0	14369	14401	14382	14286	14192	14204	14069	14140	14319	14287
17.5	13567	13592	13617	13536	13427	13398	13453	13552	13611	13630
20.0	12836	12871	12946	12827	12550	12367	12580	12837	12998	13061
22.5	12310	12301	12209	11908	11521	11310	11595	12104	12435	12618
25.0	12004	11947	11666	11109	10566	10333	10799	11569	12089	12410
27.5	11725	11611	11261	10721	9817	9486	10213	11140	11781	12159
30.0	11591	11500	10961	10159	9243	8818	9571	10620	11447	11988
32.5	11500	11531	10824	9771	8688	8327	8916	10115	11288	11992
35.0	11252	11248	10538	9446	8316	8033	8427	9681	11060	11680
37.5	11228	11180	10353	8975	8133	7909	8112	9203	10581	11314
40.0	11442	11384	10249	8573	7961	7754	7911	8756	10255	11213
42.5	11785	11594	10254	8455	7818	7611	7672	8285	10004	11246
45.0	12200	12026	10499	8624	7881	7538	7548	8008	9944	11502
47.5	12691	12489	10862	8908	8043	7530	7513	8005	10002	11735
50.0	13002	12803	11288	9321	8373	7694	7658	8189	10275	11853
52.5	13028	12856	11450	9847	8860	8086	7960	8648	10441	11610
55.0	13054	12967	11400	10190	9443	8695	8599	8996	10394	11716
57.5	13221	13164	11711	10297	9850	9554	9212	9225	10814	12106
60.0	13209	13283	12020	10564	10145	10328	9852	9727	11338	12286
62.5	12826	12963	12047	10772	10601	10848	10550	10225	11567	12211
65.0	11678	11763	11275	10591	11008	11248	10916	10491	11031	11327
67.5	9954	9814	9724	9714	10822	11453	10938	10096	9644	9695
70.0	7822	7549	7754	8346	9933	10914	10187	8666	7486	7359
72.5	5724	5369	5769	6586	8387	9313	8486	6625	5234	5032
75.0	3761	3466	3989	4856	6411	6891	6231	4654	3550	3157
77.5	2144	2030	2477	3169	4245	4368	3977	2873	2008	1622
80.0	1111	1100	1430	1715	2275	2293	2037	1409	1030	753
82.5	482	513	820	679	931	958	788	523	475	273
85.0	155	184	287	164	226	216	189	120	158	89
87.5	16	14	22	21	25	22	22	22	23	23
90.0	0	0	0	0	0	0	0	0	0	0

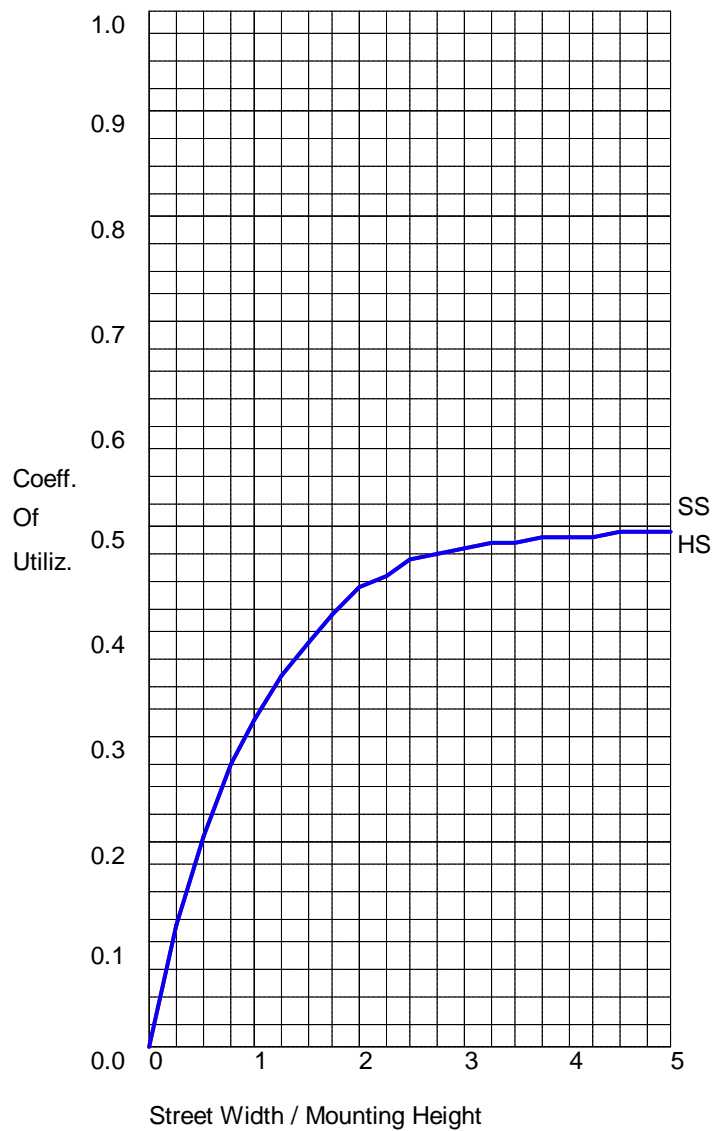
Vert. Angles	Horizontal Angles
	<u>90</u>
0.0	15534
2.5	15579
5.0	15713
7.5	15969
10.0	15280
12.5	14694
15.0	14283
17.5	13647
20.0	13092
22.5	12682
25.0	12497
27.5	12268

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CANDELA TABULATION - (Cont.)

30.0	12096
32.5	12187
35.0	11762
37.5	11407
40.0	11309
42.5	11461
45.0	11735
47.5	12017
50.0	12067
52.5	11809
55.0	11839
57.5	12263
60.0	12337
62.5	12249
65.0	11408
67.5	9756
70.0	7393
72.5	5142
75.0	3337
77.5	1719
80.0	741
82.5	260
85.0	81
87.5	23
90.0	0

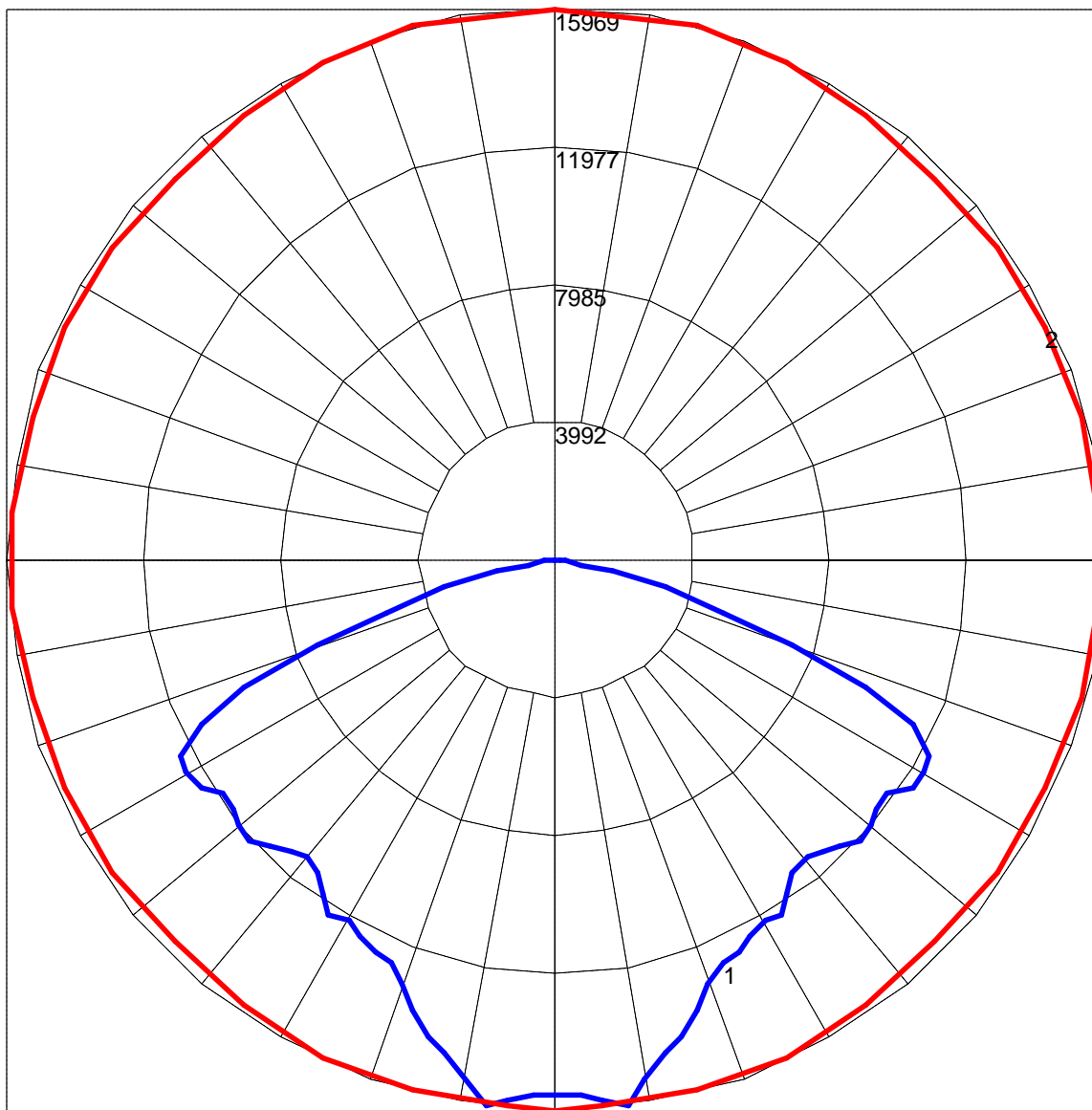
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

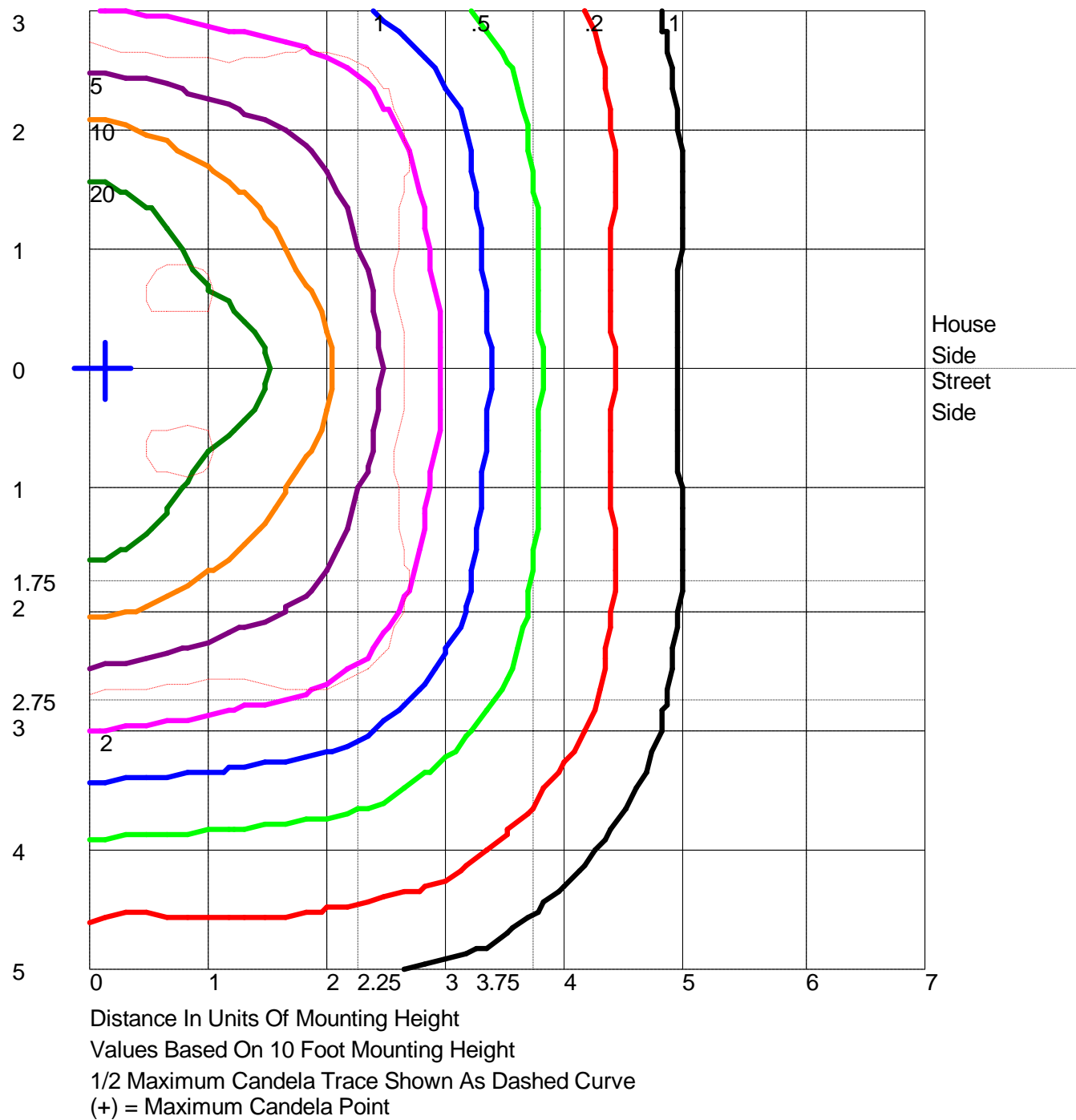
	Lumens	Percent Of Luminaire
Downward Street Side	24814.4	50.0
Downward House Side	24814.4	50.0
Downward Total	49628.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	49628.8	100.0

POLAR GRAPH

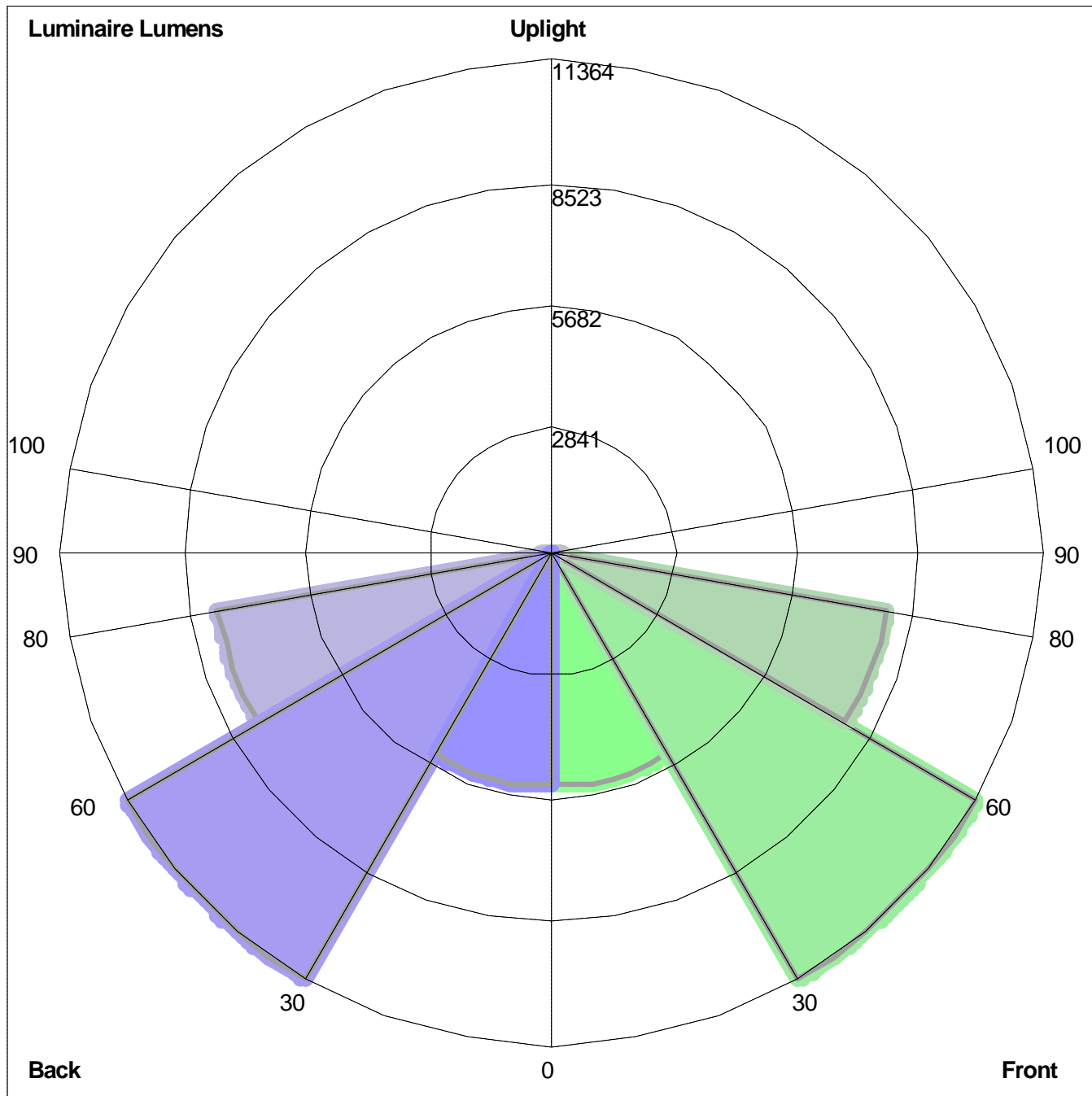


Maximum Candela = 15969 Located At Horizontal Angle = 90, Vertical Angle = 7.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=5374.8, Medium=11363.9, High=7852.7, Very High=223.1
Back: Low=5374.8, Medium=11363.9, High=7852.7, Very High=223.1
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4