

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

**DESCRIPTIVE INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST]LED-7059  
[TESTLAB]LSI INDUSTRIES, INC  
[ISSUE DATE]07/21/15  
[TEST DATE]07/21/15  
[MANUFACTURER]LSI INDUSTRIES, INC  
[LUMEN CATEGORY]XLCL-5-LED-SS-CW  
[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.  
[OTHER]TEST PROCEDURE: IESNA LM-79-08  
[ABSOLUTE LUMENS]50680

**CHARACTERISTICS**

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	50680
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	433.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	15778
Maximum Candela Angle	60H 7.5V
Maximum Candela (<90 Degrees Vertical)	15778
Maximum Candela Angle (<90 Degrees Vertical)	60H 7.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	2369 (4.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	5335.9	N.A.	10.5
FM - Front-Medium (30-60)	11488.8	N.A.	22.7
FH - Front-High (60-80)	8296.5	N.A.	16.4
FVH - Front-Very High (80-90)	219.0	N.A.	0.4
BL - Back-Low (0-30)	5335.9	N.A.	10.5
BM - Back-Medium (30-60)	11488.8	N.A.	22.7
BH - Back-High (60-80)	8296.5	N.A.	16.4
BVH - Back-Very High (80-90)	219.0	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	50680.4	N.A.	100.0
BUG Rating	B5-U0-G4		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0</b></u>	<u><b>5</b></u>	<u><b>15</b></u>	<u><b>25</b></u>	<u><b>35</b></u>	<u><b>45</b></u>	<u><b>55</b></u>	<u><b>60</b></u>	<u><b>65</b></u>	<u><b>75</b></u>
<b>0.0</b>	14894	14894	14894	14894	14894	14894	14894	14894	14894	14894
<b>2.5</b>	14932	14966	14949	14952	14928	14895	14909	14890	14900	14902
<b>5.0</b>	14999	15035	15034	15060	15052	15033	15064	15078	15066	15073
<b>7.5</b>	15654	15661	15659	15706	15630	15543	15693	15778	15637	15733
<b>10.0</b>	15242	15269	15313	15302	15339	15434	15399	15408	15378	15475
<b>12.5</b>	14606	14640	14666	14669	14677	14625	14641	14619	14591	14616
<b>15.0</b>	14135	14176	14262	14341	14148	14023	14007	14120	14111	14185
<b>17.5</b>	13293	13356	13402	13448	13417	13254	13507	13575	13467	13458
<b>20.0</b>	12546	12623	12823	12722	12355	12221	12492	12849	12759	12890
<b>22.5</b>	11958	12005	12157	11949	11363	11163	11477	12038	12106	12429
<b>25.0</b>	11688	11741	11580	11099	10551	10184	10767	11360	11578	12115
<b>27.5</b>	11606	11600	11231	10733	9793	9376	10149	10841	11136	11838
<b>30.0</b>	11491	11493	10961	10151	9184	8692	9472	10243	10635	11518
<b>32.5</b>	11448	11646	10978	9756	8637	8223	8871	9631	10075	11407
<b>35.0</b>	11188	11242	10702	9441	8260	7982	8407	9128	9611	11191
<b>37.5</b>	10925	10999	10411	8992	8082	7875	8047	8665	9184	10742
<b>40.0</b>	11238	11256	10321	8623	7953	7760	7916	8249	8764	10466
<b>42.5</b>	11700	11671	10198	8501	7882	7654	7721	7947	8443	10187
<b>45.0</b>	12099	12074	10470	8592	7901	7546	7664	7786	8212	10123
<b>47.5</b>	12709	12713	10857	8878	8021	7555	7701	7807	8120	10128
<b>50.0</b>	13242	13088	11395	9394	8321	7788	7784	7970	8217	10371
<b>52.5</b>	13333	13156	11613	10031	8883	8192	8014	8385	8716	10568
<b>55.0</b>	13421	13318	11659	10407	9621	8741	8699	9087	9114	10435
<b>57.5</b>	13772	13683	11994	10616	10166	9644	9314	9497	9321	10851
<b>60.0</b>	13939	13902	12500	11058	10499	10609	9979	10183	9896	11675
<b>62.5</b>	13722	13676	12685	11369	11024	11153	10866	11116	10549	12100
<b>65.0</b>	12551	12464	12056	11317	11560	11694	11568	11775	10910	11631
<b>67.5</b>	10648	10322	10391	10421	11527	12232	11669	11682	10632	10137
<b>70.0</b>	8329	7876	8119	8822	10639	11884	10946	10703	9322	7768
<b>72.5</b>	5952	5604	5997	6876	9004	10215	9184	8572	7092	5532
<b>75.0</b>	3723	3552	4139	4989	6962	7468	6711	6305	5006	3712
<b>77.5</b>	2148	2027	2554	3234	4558	4672	4179	3873	2977	2012
<b>80.0</b>	1145	1087	1465	1780	2323	2369	2043	1688	1341	986
<b>82.5</b>	485	480	846	685	905	840	741	601	475	471
<b>85.0</b>	160	169	305	162	212	177	171	149	110	158
<b>87.5</b>	28	28	35	30	27	26	27	37	25	25
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0

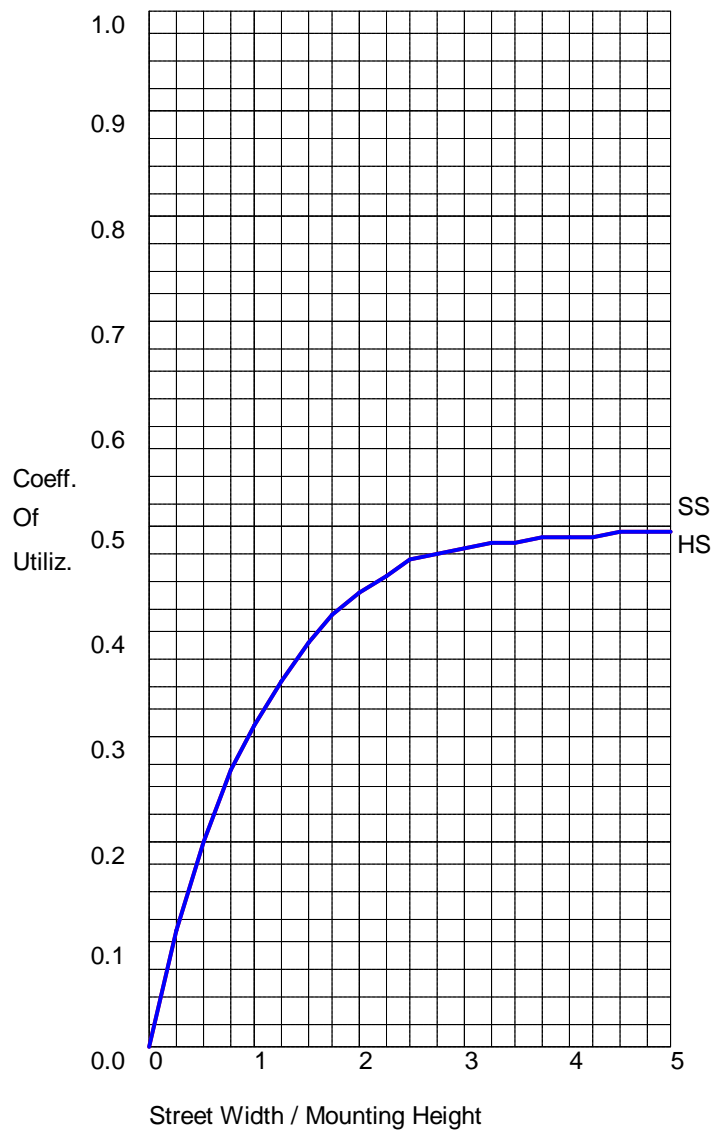
<b>Vert. Angles</b>	<b>Horizontal Angles</b>	
	<u><b>85</b></u>	<u><b>90</b></u>
<b>0.0</b>	14894	14894
<b>2.5</b>	14899	14927
<b>5.0</b>	15076	15100
<b>7.5</b>	15669	15748
<b>10.0</b>	15334	15416
<b>12.5</b>	14569	14580
<b>15.0</b>	14114	14112
<b>17.5</b>	13454	13457
<b>20.0</b>	12910	12902
<b>22.5</b>	12466	12463
<b>25.0</b>	12297	12312
<b>27.5</b>	12205	12262

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	12061	12150
<b>32.5</b>	12110	12121
<b>35.0</b>	11864	11871
<b>37.5</b>	11288	11321
<b>40.0</b>	11200	11222
<b>42.5</b>	11528	11624
<b>45.0</b>	11771	11884
<b>47.5</b>	12027	12266
<b>50.0</b>	12120	12383
<b>52.5</b>	11826	12064
<b>55.0</b>	11871	12092
<b>57.5</b>	12392	12655
<b>60.0</b>	12808	12926
<b>62.5</b>	12780	12871
<b>65.0</b>	11940	12167
<b>67.5</b>	10177	10393
<b>70.0</b>	7631	7871
<b>72.5</b>	5251	5462
<b>75.0</b>	3225	3322
<b>77.5</b>	1563	1612
<b>80.0</b>	646	664
<b>82.5</b>	246	240
<b>85.0</b>	89	80
<b>87.5</b>	24	25
<b>90.0</b>	0	0

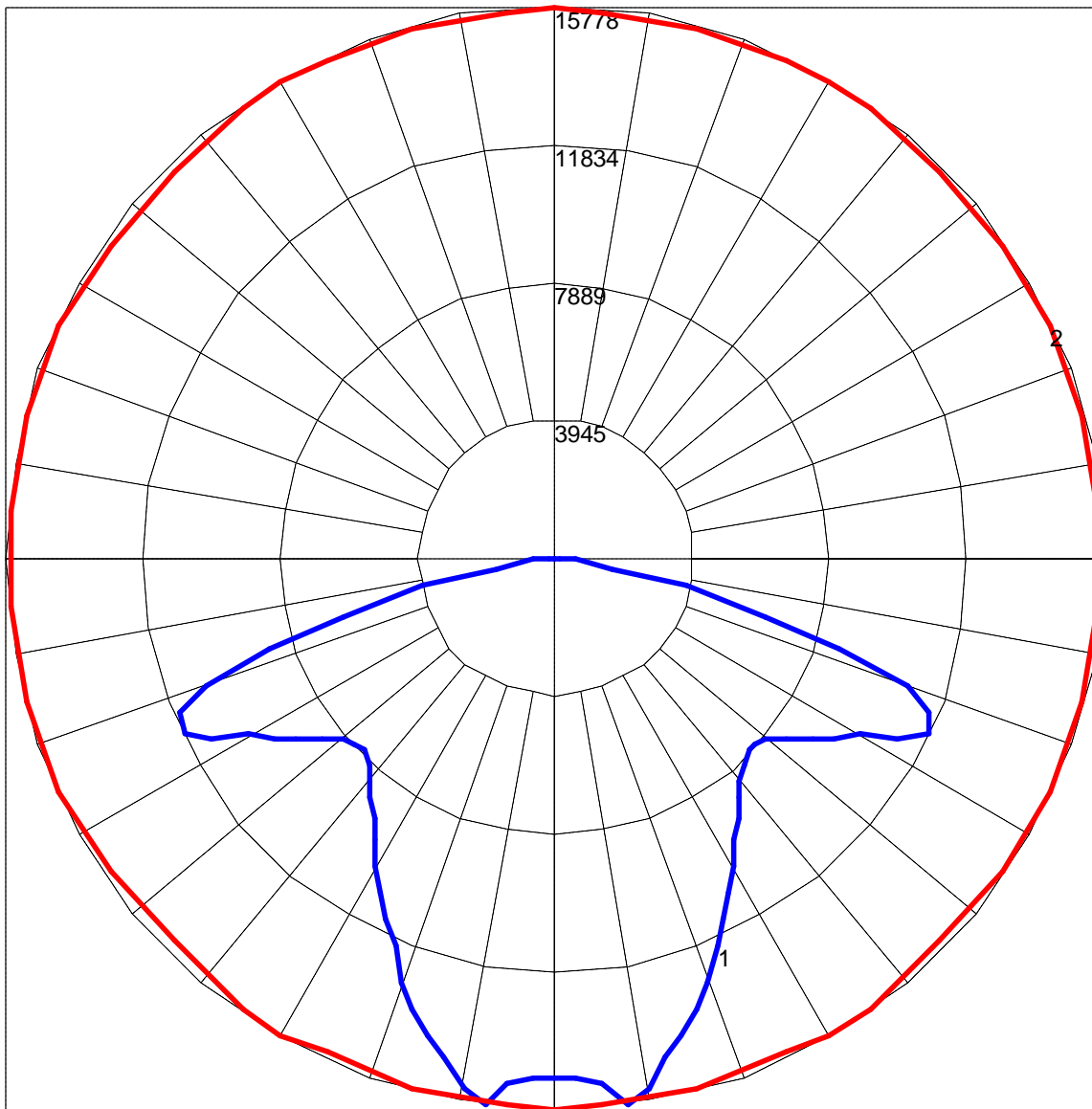
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

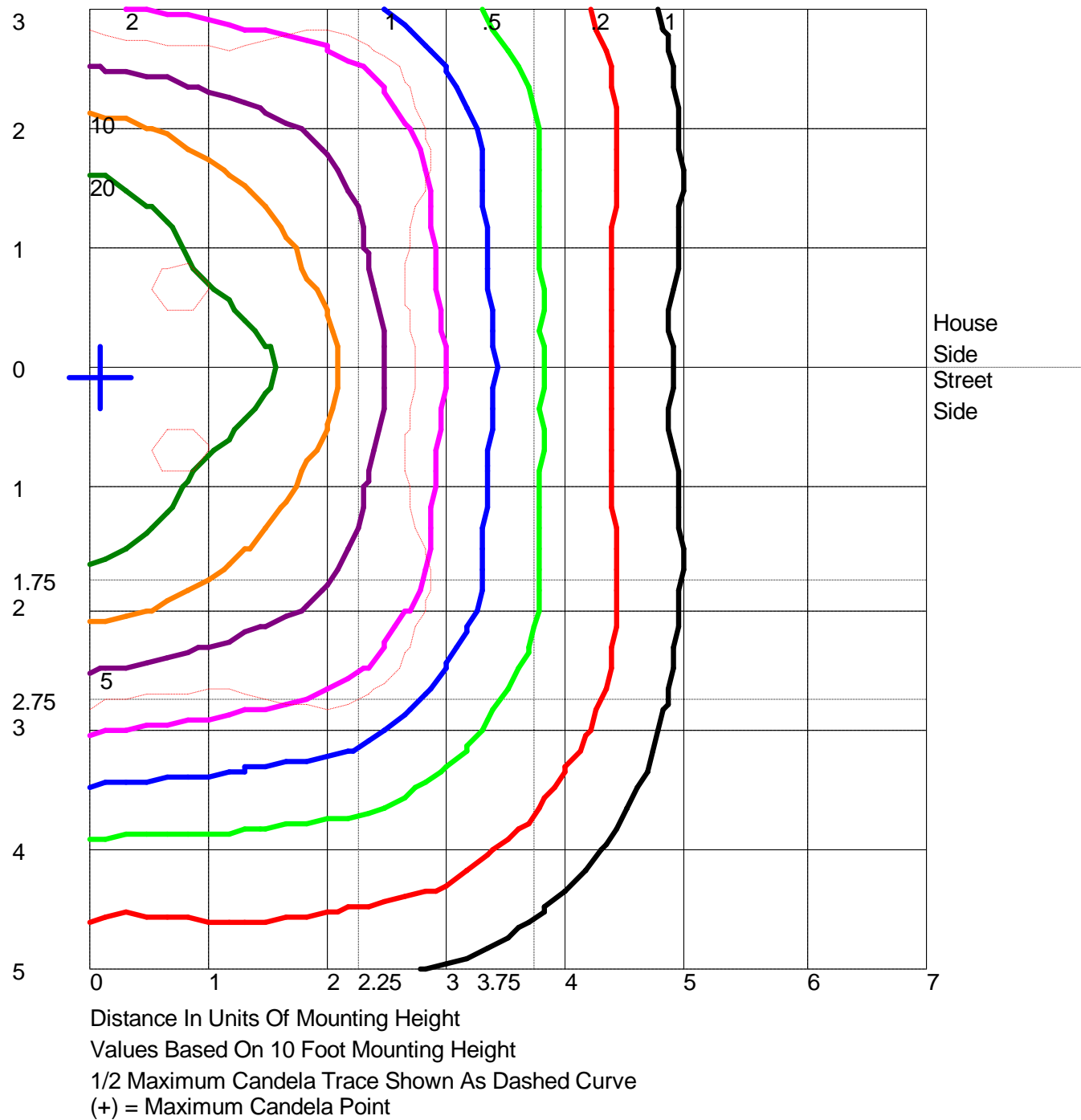
	Lumens	Percent Of Luminaire
Downward Street Side	25340.1	50.0
Downward House Side	25340.1	50.0
Downward Total	50680.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	50680.2	100.0

POLAR GRAPH

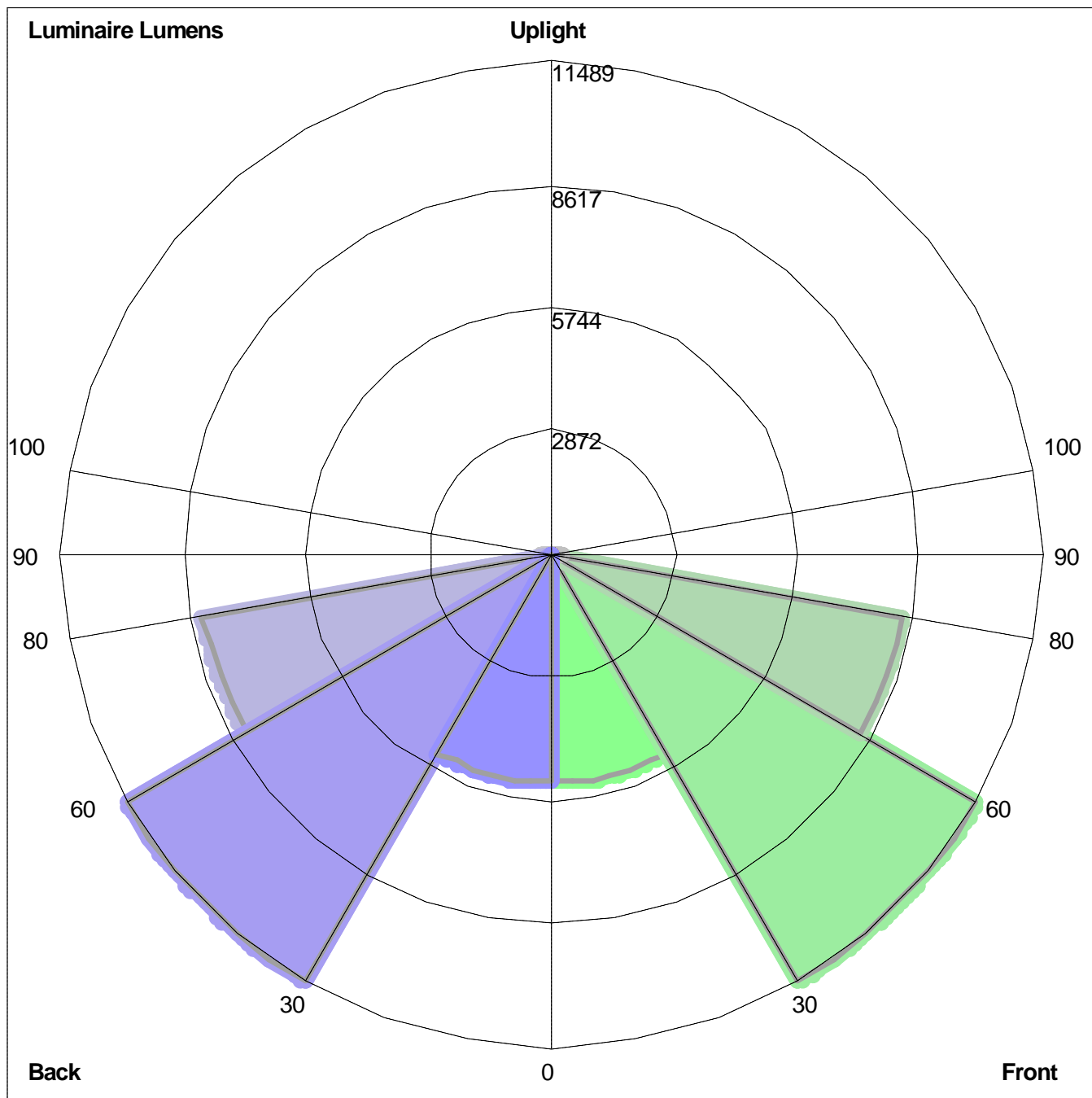


Maximum Candela = 15778 Located At Horizontal Angle = 60, Vertical Angle = 7.5  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=5335.9, Medium=11488.8, High=8296.5, Very High=219.0  
Back: Low=5335.9, Medium=11488.8, High=8296.5, Very High=219.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B5-U0-G4