



IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-08L-40.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 3209_scaled
[TESTLAB] TUV SUD America
[TESTDATE] 6/26/2017 1:53:38 PM
[ISSUE DATE] 10/25/2018
[MANUFACTURER] LSI INDUSTRIES, INC
[LUMCAT] WPSLL-08L-40
[OTHER] TEST PROCEDURE: IESNA
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8696
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	76.39
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4556.195
Maximum Candela Angle	360H 25V
Maximum Candela (<90 Degrees Vertical)	4556.195
Maximum Candela Angle (<90 Degrees Vertical)	360H 25V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	74.929 (0.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1692.4	N.A.	19.5
FM - Front-Medium (30-60)	3735.5	N.A.	43.0
FH - Front-High (60-80)	896.3	N.A.	10.3
FVH - Front-Very High (80-90)	4.8	N.A.	0.1
BL - Back-Low (0-30)	1028.8	N.A.	11.8
BM - Back-Medium (30-60)	1076.3	N.A.	12.4
BH - Back-High (60-80)	251.5	N.A.	2.9
BVH - Back-Very High (80-90)	10.2	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	8695.8	N.A.	100.0
BUG Rating	B3-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles										
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>	
0.0	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	
2.5	3688.353	3760.831	3731.289	3683.853	3626.959	3566.795	3514.750	3473.461	3361.285	3473.461	
5.0	3834.932	3892.621	3826.279	3726.450	3610.929	3492.248	3385.836	3311.681	3183.497	3311.681	
7.5	3977.293	4015.172	3914.143	3758.521	3583.185	3404.525	3245.916	3141.521	2998.975	3141.521	
10.0	4105.171	4124.067	3990.522	3781.601	3546.341	3306.559	3098.150	2964.834	2808.176	2964.834	
12.5	4214.263	4216.170	4055.905	3796.791	3499.865	3197.260	2943.268	2780.235	2607.548	2780.235	
15.0	4312.730	4300.809	4108.931	3803.232	3442.916	3081.140	2780.922	2589.829	2401.242	2589.829	
17.5	4412.712	4380.631	4156.791	3801.466	3375.277	2953.762	2611.928	2388.732	2141.387	2388.732	
20.0	4492.916	4443.573	4199.846	3789.000	3294.714	2816.501	2435.143	2149.832	1821.260	2149.832	
22.5	4538.292	4477.921	4239.065	3763.653	3203.886	2672.669	2253.203	1858.300	1476.745	1858.300	
25.0	4556.195	4485.342	4264.053	3728.074	3101.539	2520.228	2045.143	1542.466	1174.914	1542.466	
27.5	4543.021	4458.219	4263.334	3682.251	2989.887	2361.717	1804.805	1251.031	1042.056	1251.031	
30.0	4465.989	4398.633	4239.654	3628.572	2869.723	2194.064	1551.075	1062.913	964.162	1062.913	
32.5	4404.844	4323.203	4192.610	3569.138	2733.486	2018.347	1311.794	975.866	852.303	975.866	
35.0	4339.102	4251.161	4114.489	3503.439	2589.840	1840.297	1095.256	881.028	752.114	881.028	
37.5	4254.496	4165.836	4014.605	3426.058	2435.219	1665.463	961.776	775.761	697.715	775.761	
40.0	4141.099	4057.158	3895.052	3326.686	2274.573	1488.242	882.466	700.843	675.953	700.843	
42.5	4056.799	3957.122	3770.082	3204.987	2103.552	1306.705	793.283	661.613	657.875	661.613	
45.0	3996.711	3873.236	3627.307	3057.482	1930.123	1129.277	691.896	639.677	637.137	639.677	
47.5	3932.821	3792.487	3464.547	2889.404	1746.331	967.552	612.248	617.730	609.132	617.730	
50.0	3867.776	3704.896	3300.380	2690.976	1557.548	838.049	568.082	591.042	572.528	591.042	
52.5	3789.861	3604.009	3135.473	2466.919	1369.309	746.709	539.575	556.847	529.506	556.847	
55.0	3694.979	3481.492	2969.836	2229.872	1180.690	669.753	511.602	515.863	485.111	515.863	
57.5	3558.088	3304.097	2794.293	1992.084	995.699	584.286	478.300	469.974	436.738	469.974	
60.0	3140.998	2955.582	2605.433	1758.296	816.603	489.807	438.296	421.536	387.439	421.536	
62.5	2453.472	2381.409	2396.327	1526.153	654.900	398.020	391.493	372.205	338.162	372.205	
65.0	1708.866	1682.037	2127.885	1297.257	515.645	326.099	341.333	322.535	289.277	322.535	
67.5	992.038	991.122	1730.584	1053.247	413.527	279.655	289.582	273.171	241.940	273.171	
70.0	435.485	458.195	1188.143	779.270	329.673	235.162	238.485	225.289	196.694	225.289	
72.5	186.462	179.651	641.453	532.187	248.827	188.718	188.892	180.294	155.470	180.294	
75.0	78.057	74.384	252.150	354.933	172.361	141.108	142.187	138.667	115.783	138.667	
77.5	32.637	28.191	75.528	191.595	102.597	96.974	102.020	99.818	77.523	99.818	
80.0	19.288	14.613	23.843	74.929	50.705	59.542	66.266	64.206	45.093	64.206	
82.5	8.652	6.081	9.023	22.405	18.961	31.602	36.102	34.991	20.901	34.991	
85.0	2.408	1.504	2.692	4.915	6.135	12.455	14.798	14.461	5.449	14.461	
87.5	0.196	0.174	0.338	0.752	1.428	2.964	3.792	4.086	0.774	4.086	
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

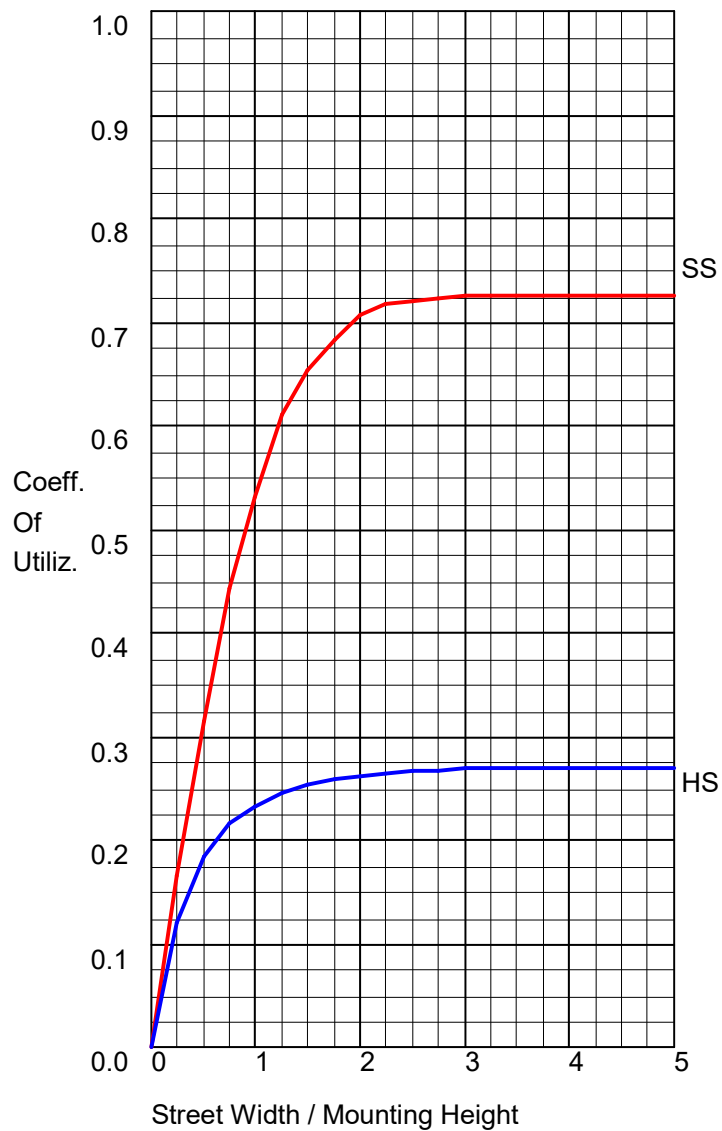
Vert. Angles	Horizontal Angles						
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822	3611.822
2.5	3514.750	3566.795	3626.959	3683.853	3731.289	3760.831	3688.353
5.0	3385.836	3492.248	3610.929	3726.450	3826.279	3892.621	3834.932
7.5	3245.916	3404.525	3583.185	3758.521	3914.143	4015.172	3977.293
10.0	3098.150	3306.559	3546.341	3781.601	3990.522	4124.067	4105.171
12.5	2943.268	3197.260	3499.865	3796.791	4055.905	4216.170	4214.263
15.0	2780.922	3081.140	3442.916	3803.232	4108.931	4300.809	4312.730
17.5	2611.928	2953.762	3375.277	3801.466	4156.791	4380.631	4412.712
20.0	2435.143	2816.501	3294.714	3789.000	4199.846	4443.573	4492.916
22.5	2253.203	2672.669	3203.886	3763.653	4239.065	4477.921	4538.292
25.0	2045.143	2520.228	3101.539	3728.074	4264.053	4485.342	4556.195
27.5	1804.805	2361.717	2989.887	3682.251	4263.334	4458.219	4543.021

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CANDELA TABULATION - (Cont.)

30.0	1551.075	2194.064	2869.723	3628.572	4239.654	4398.633	4465.989
32.5	1311.794	2018.347	2733.486	3569.138	4192.610	4323.203	4404.844
35.0	1095.256	1840.297	2589.840	3503.439	4114.489	4251.161	4339.102
37.5	961.776	1665.463	2435.219	3426.058	4014.605	4165.836	4254.496
40.0	882.466	1488.242	2274.573	3326.686	3895.052	4057.158	4141.099
42.5	793.283	1306.705	2103.552	3204.987	3770.082	3957.122	4056.799
45.0	691.896	1129.277	1930.123	3057.482	3627.307	3873.236	3996.711
47.5	612.248	967.552	1746.331	2889.404	3464.547	3792.487	3932.821
50.0	568.082	838.049	1557.548	2690.976	3300.380	3704.896	3867.776
52.5	539.575	746.709	1369.309	2466.919	3135.473	3604.009	3789.861
55.0	511.602	669.753	1180.690	2229.872	2969.836	3481.492	3694.979
57.5	478.300	584.286	995.699	1992.084	2794.293	3304.097	3558.088
60.0	438.296	489.807	816.603	1758.296	2605.433	2955.582	3140.998
62.5	391.493	398.020	654.900	1526.153	2396.327	2381.409	2453.472
65.0	341.333	326.099	515.645	1297.257	2127.885	1682.037	1708.866
67.5	289.582	279.655	413.527	1053.247	1730.584	991.122	992.038
70.0	238.485	235.162	329.673	779.270	1188.143	458.195	435.485
72.5	188.892	188.718	248.827	532.187	641.453	179.651	186.462
75.0	142.187	141.108	172.361	354.933	252.150	74.384	78.057
77.5	102.020	96.974	102.597	191.595	75.528	28.191	32.637
80.0	66.266	59.542	50.705	74.929	23.843	14.613	19.288
82.5	36.102	31.602	18.961	22.405	9.023	6.081	8.652
85.0	14.798	12.455	6.135	4.915	2.692	1.504	2.408
87.5	3.792	2.964	1.428	0.752	0.338	0.174	0.196
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

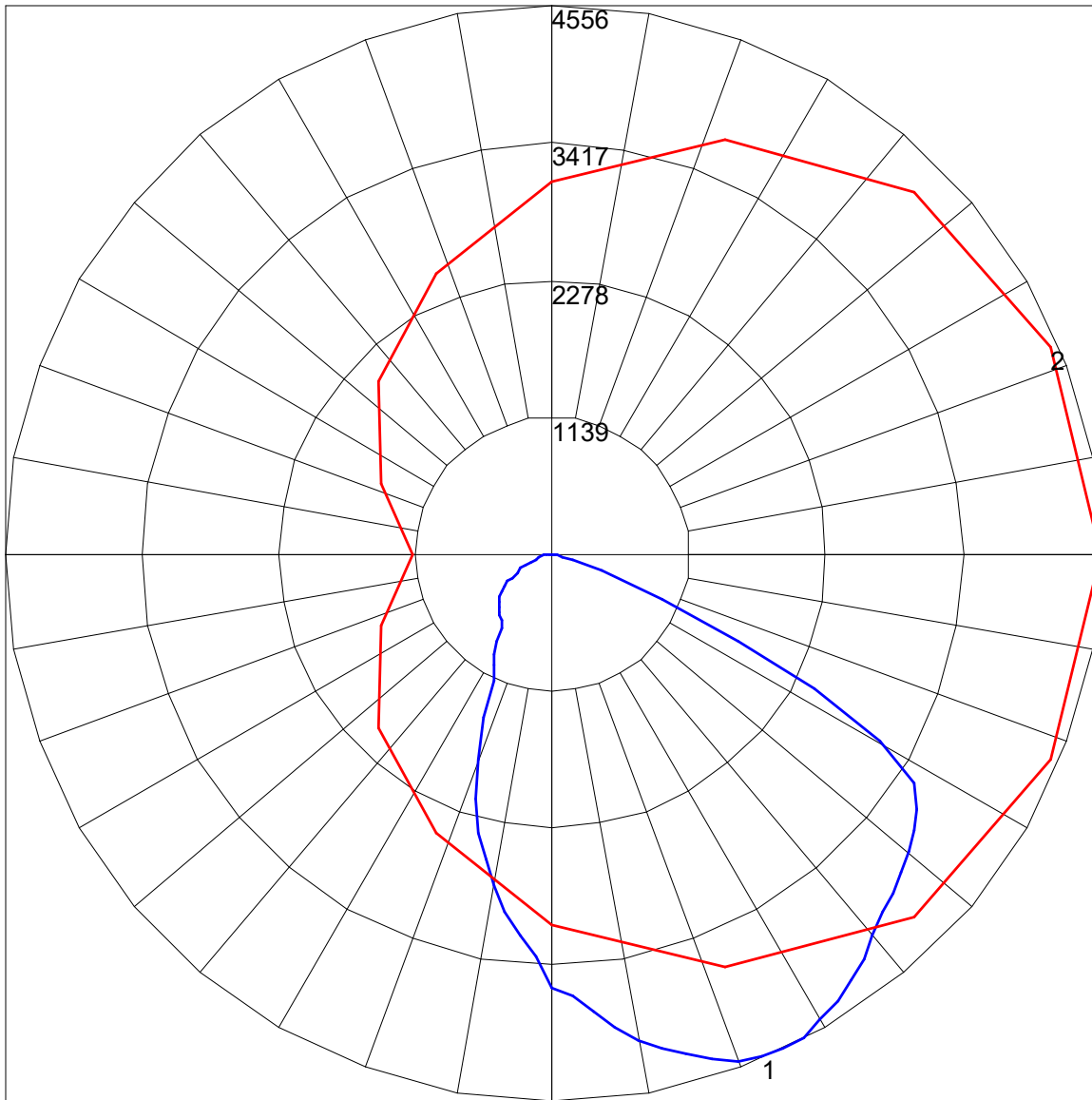
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

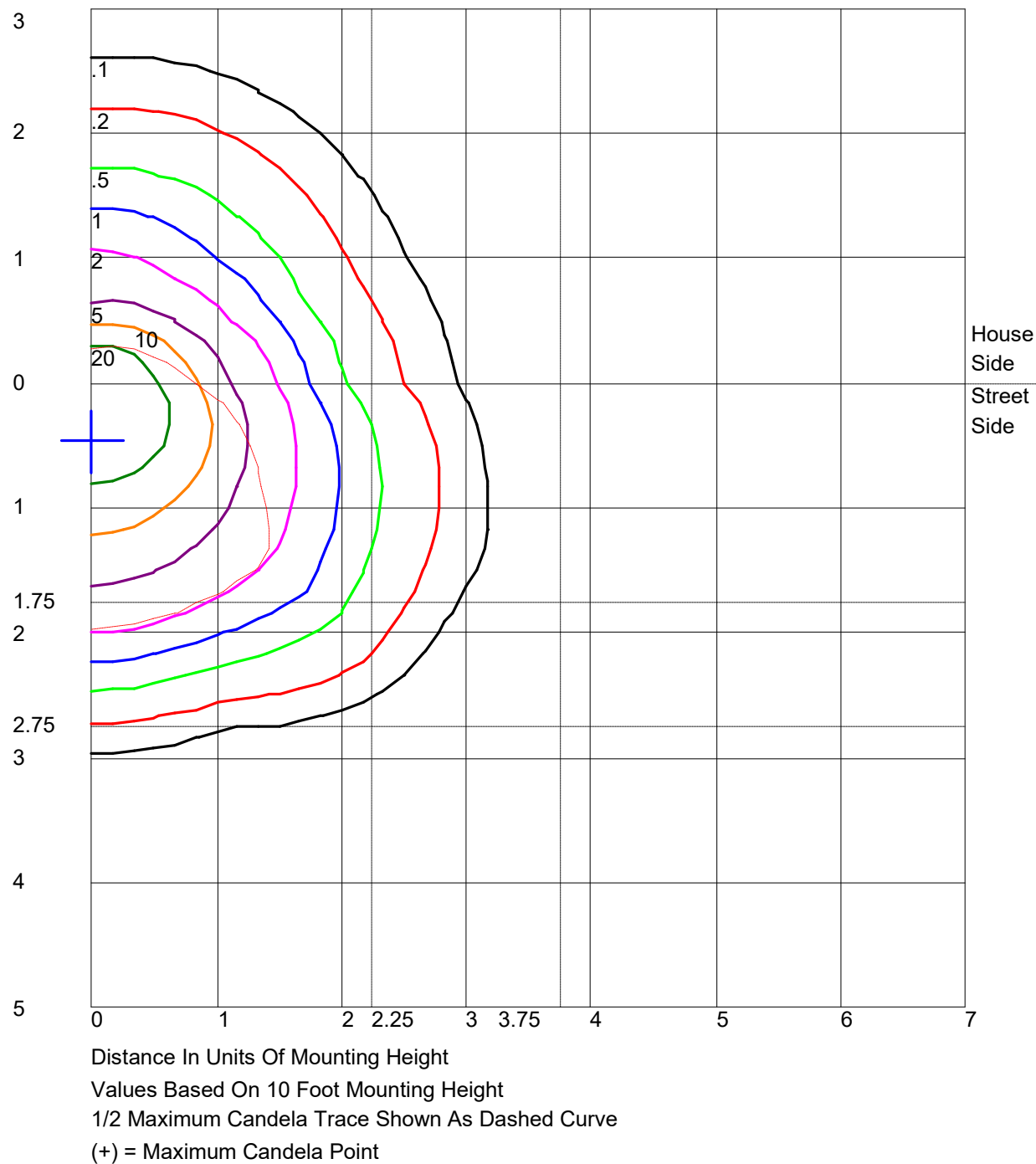
	Lumens	Percent Of Luminaire
Downward Street Side	6329.1	72.8
Downward House Side	2366.9	27.2
Downward Total	8696.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	8696.0	100.0

POLAR GRAPH

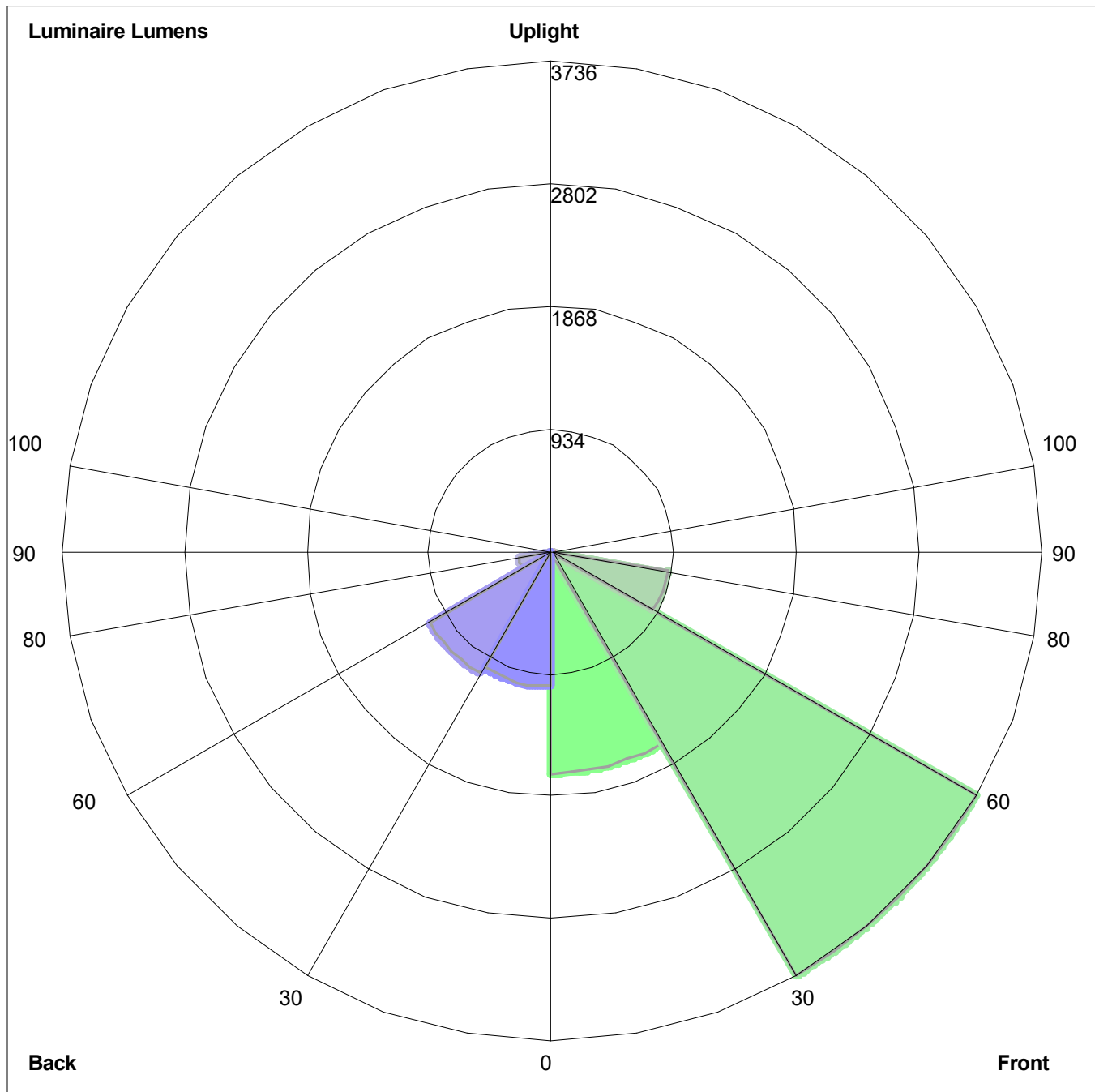


Maximum Candela = 4556.195 Located At Horizontal Angle = 360, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1692.4, Medium=3735.5, High=896.3, Very High=4.8
Back: Low=1028.8, Medium=1076.3, High=251.5, Very High=10.2
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1