



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-06L-50.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 3207\_scaled

[TESTLAB] TUV SUD America

[TESTDATE] 6/23/2017 8:25:50 AM

[ISSUEDATE] 10/25/2018

[MANUFAC]LSI INDUSTRIES, INC

[LUMCAT] WPSLL-06L-50

[OTHER]TEST PROCEDURE: IESNA

[ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED[OTHER]SCALED FROM ORIGINAL TEST I

[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	7401
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	58.14
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3859.314
Maximum Candela Angle	360H 27.5V
Maximum Candela (<90 Degrees Vertical)	3859.314
Maximum Candela Angle (<90 Degrees Vertical)	360H 27.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	100.458 (1.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1375.2	N.A.	18.6
FM - Front-Medium (30-60)	3209.2	N.A.	43.4
FH - Front-High (60-80)	971.0	N.A.	13.1
FVH - Front-Very High (80-90)	7.0	N.A.	0.1
BL - Back-Low (0-30)	779.1	N.A.	10.5
BM - Back-Medium (30-60)	846.2	N.A.	11.4
BH - Back-High (60-80)	205.4	N.A.	2.8
BVH - Back-Very High (80-90)	7.9	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	7401.0	N.A.	100.0
BUG Rating	B2-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>22.5</b></u>	<u><b>45.0</b></u>	<u><b>67.5</b></u>	<u><b>90.0</b></u>	<u><b>112.5</b></u>	<u><b>135.0</b></u>	<u><b>157.5</b></u>	<u><b>180.0</b></u>	<u><b>202.5</b></u>
<b>0.0</b>	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025
<b>2.5</b>	2893.163	2957.763	2929.974	2886.827	2833.464	2778.208	2728.954	2695.771	2599.823	2695.771
<b>5.0</b>	3027.815	3078.916	3019.160	2929.274	2821.274	2710.876	2617.408	2554.829	2446.382	2554.829
<b>7.5</b>	3158.220	3195.582	3102.539	2962.940	2800.384	2636.784	2499.354	2409.456	2291.918	2409.456
<b>10.0</b>	3287.420	3307.116	3178.295	2989.374	2771.481	2553.474	2375.182	2260.387	2130.855	2260.387
<b>12.5</b>	3407.758	3405.945	3247.555	3007.820	2735.015	2464.483	2246.303	2107.359	1964.913	2107.359
<b>15.0</b>	3509.949	3499.022	3309.550	3019.585	2690.961	2367.927	2112.857	1947.363	1783.280	1947.363
<b>17.5</b>	3611.406	3584.880	3363.406	3024.188	2637.231	2265.288	1976.437	1771.549	1545.255	1771.549
<b>20.0</b>	3709.362	3666.617	3413.210	3020.170	2576.546	2157.599	1836.080	1558.386	1282.149	1558.386
<b>22.5</b>	3789.882	3730.803	3457.746	3008.049	2507.664	2045.433	1680.894	1313.565	1024.197	1313.565
<b>25.0</b>	3834.223	3768.050	3497.771	2987.882	2431.953	1925.301	1496.082	1074.794	880.420	1074.794
<b>27.5</b>	3859.314	3783.099	3526.157	2958.601	2345.694	1797.995	1297.255	909.437	825.990	909.437
<b>30.0</b>	3847.147	3766.076	3533.939	2919.471	2252.077	1666.236	1102.020	831.522	744.620	831.522
<b>32.5</b>	3787.277	3719.394	3520.647	2874.867	2149.404	1534.236	929.513	762.251	657.810	762.251
<b>35.0</b>	3745.817	3663.988	3488.163	2824.006	2037.513	1400.020	820.274	678.000	600.315	678.000
<b>37.5</b>	3695.450	3609.569	3424.677	2767.545	1918.173	1262.085	760.793	608.258	576.211	608.258
<b>40.0</b>	3632.125	3542.674	3339.738	2701.854	1791.866	1120.305	692.520	569.025	560.876	569.025
<b>42.5</b>	3541.928	3457.849	3241.598	2625.133	1660.359	980.109	610.680	548.582	544.772	548.582
<b>45.0</b>	3483.148	3379.246	3139.969	2531.620	1525.007	850.967	541.351	531.376	523.996	531.376
<b>47.5</b>	3441.252	3314.302	3022.259	2417.032	1384.627	742.233	499.306	511.255	496.253	511.255
<b>50.0</b>	3391.757	3250.942	2886.494	2274.735	1238.084	663.939	474.444	485.968	462.610	485.968
<b>52.5</b>	3342.286	3181.521	2751.199	2106.773	1088.063	603.104	452.279	453.324	425.305	453.324
<b>55.0</b>	3282.208	3101.861	2613.632	1919.723	941.037	536.553	427.119	416.398	387.450	416.398
<b>57.5</b>	3206.429	3007.062	2478.073	1726.302	796.342	460.613	397.138	377.774	347.460	377.774
<b>60.0</b>	3087.307	2864.605	2331.151	1530.585	660.668	383.237	360.809	337.393	306.643	337.393
<b>62.5</b>	2720.851	2572.264	2173.738	1339.621	536.852	320.256	320.164	296.060	265.665	296.060
<b>65.0</b>	2144.548	2070.972	1995.916	1148.817	436.072	278.108	277.545	254.394	226.375	254.394
<b>67.5</b>	1489.803	1463.346	1761.563	955.167	365.595	243.328	234.467	213.956	188.520	213.956
<b>70.0</b>	868.322	862.560	1404.381	736.781	297.357	205.002	192.204	175.526	151.823	175.526
<b>72.5</b>	369.085	391.835	934.299	520.208	226.341	163.543	151.250	139.392	118.468	139.392
<b>75.0</b>	151.341	145.602	479.678	347.115	157.666	122.129	114.048	105.727	85.789	105.727
<b>77.5</b>	54.017	55.830	175.021	214.357	95.258	84.411	80.325	73.656	55.337	73.656
<b>80.0</b>	25.493	21.223	48.542	100.458	48.794	52.261	51.308	45.833	30.337	45.833
<b>82.5</b>	14.107	10.250	13.567	35.984	19.777	27.755	26.997	23.622	12.890	23.622
<b>85.0</b>	4.901	3.639	4.890	8.058	6.600	11.226	10.652	9.033	3.685	9.033
<b>87.5</b>	1.354	0.666	1.067	1.286	1.618	2.755	2.778	2.009	0.218	2.009
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

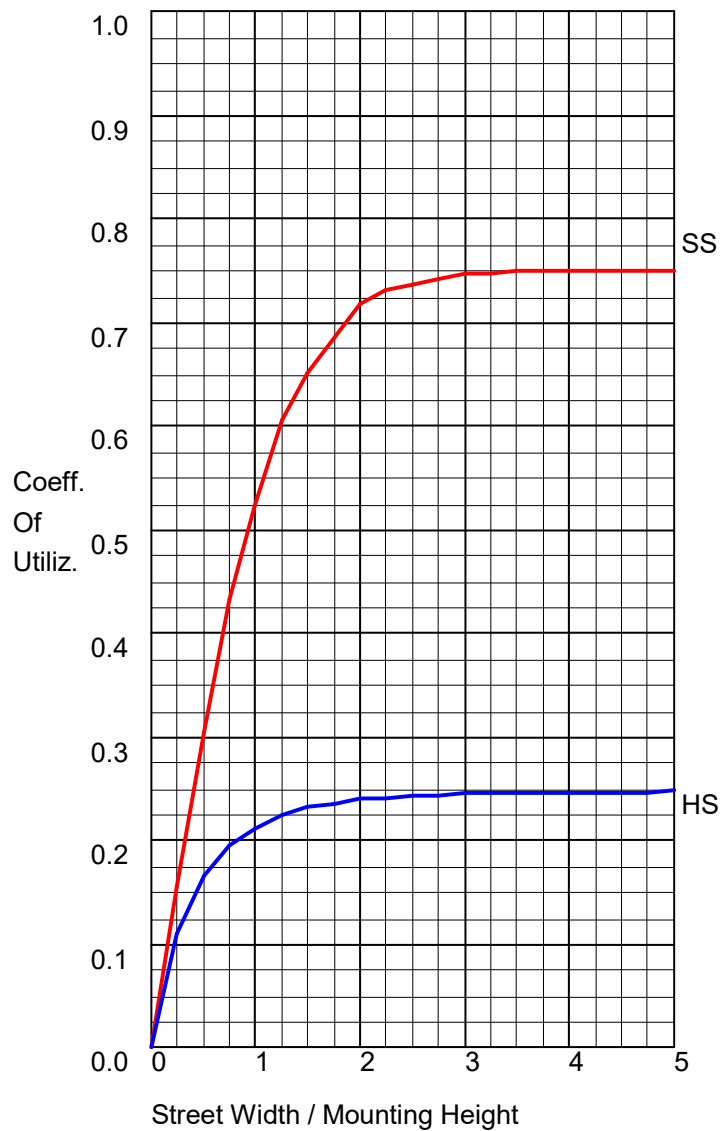
<b>Vert. Angles</b>	<b>Horizontal Angles</b>						
	<u><b>225.0</b></u>	<u><b>247.5</b></u>	<u><b>270.0</b></u>	<u><b>292.5</b></u>	<u><b>315.0</b></u>	<u><b>337.5</b></u>	<u><b>360.0</b></u>
<b>0.0</b>	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025	2819.025
<b>2.5</b>	2728.954	2778.208	2833.464	2886.827	2929.974	2957.763	2893.163
<b>5.0</b>	2617.408	2710.876	2821.274	2929.274	3019.160	3078.916	3027.815
<b>7.5</b>	2499.354	2636.784	2800.384	2962.940	3102.539	3195.582	3158.220
<b>10.0</b>	2375.182	2553.474	2771.481	2989.374	3178.295	3307.116	3287.420
<b>12.5</b>	2246.303	2464.483	2735.015	3007.820	3247.555	3405.945	3407.758
<b>15.0</b>	2112.857	2367.927	2690.961	3019.585	3309.550	3499.022	3509.949
<b>17.5</b>	1976.437	2265.288	2637.231	3024.188	3363.406	3584.880	3611.406
<b>20.0</b>	1836.080	2157.599	2576.546	3020.170	3413.210	3666.617	3709.362
<b>22.5</b>	1680.894	2045.433	2507.664	3008.049	3457.746	3730.803	3789.882
<b>25.0</b>	1496.082	1925.301	2431.953	2987.882	3497.771	3768.050	3834.223
<b>27.5</b>	1297.255	1797.995	2345.694	2958.601	3526.157	3783.099	3859.314

**IES ROAD REPORT**  
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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1102.020	1666.236	2252.077	2919.471	3533.939	3766.076	3847.147
<b>32.5</b>	929.513	1534.236	2149.404	2874.867	3520.647	3719.394	3787.277
<b>35.0</b>	820.274	1400.020	2037.513	2824.006	3488.163	3663.988	3745.817
<b>37.5</b>	760.793	1262.085	1918.173	2767.545	3424.677	3609.569	3695.450
<b>40.0</b>	692.520	1120.305	1791.866	2701.854	3339.738	3542.674	3632.125
<b>42.5</b>	610.680	980.109	1660.359	2625.133	3241.598	3457.849	3541.928
<b>45.0</b>	541.351	850.967	1525.007	2531.620	3139.969	3379.246	3483.148
<b>47.5</b>	499.306	742.233	1384.627	2417.032	3022.259	3314.302	3441.252
<b>50.0</b>	474.444	663.939	1238.084	2274.735	2886.494	3250.942	3391.757
<b>52.5</b>	452.279	603.104	1088.063	2106.773	2751.199	3181.521	3342.286
<b>55.0</b>	427.119	536.553	941.037	1919.723	2613.632	3101.861	3282.208
<b>57.5</b>	397.138	460.613	796.342	1726.302	2478.073	3007.062	3206.429
<b>60.0</b>	360.809	383.237	660.668	1530.585	2331.151	2864.605	3087.307
<b>62.5</b>	320.164	320.256	536.852	1339.621	2173.738	2572.264	2720.851
<b>65.0</b>	277.545	278.108	436.072	1148.817	1995.916	2070.972	2144.548
<b>67.5</b>	234.467	243.328	365.595	955.167	1761.563	1463.346	1489.803
<b>70.0</b>	192.204	205.002	297.357	736.781	1404.381	862.560	868.322
<b>72.5</b>	151.250	163.543	226.341	520.208	934.299	391.835	369.085
<b>75.0</b>	114.048	122.129	157.666	347.115	479.678	145.602	151.341
<b>77.5</b>	80.325	84.411	95.258	214.357	175.021	55.830	54.017
<b>80.0</b>	51.308	52.261	48.794	100.458	48.542	21.223	25.493
<b>82.5</b>	26.997	27.755	19.777	35.984	13.567	10.250	14.107
<b>85.0</b>	10.652	11.226	6.600	8.058	4.890	3.639	4.901
<b>87.5</b>	2.778	2.755	1.618	1.286	1.067	0.666	1.354
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000

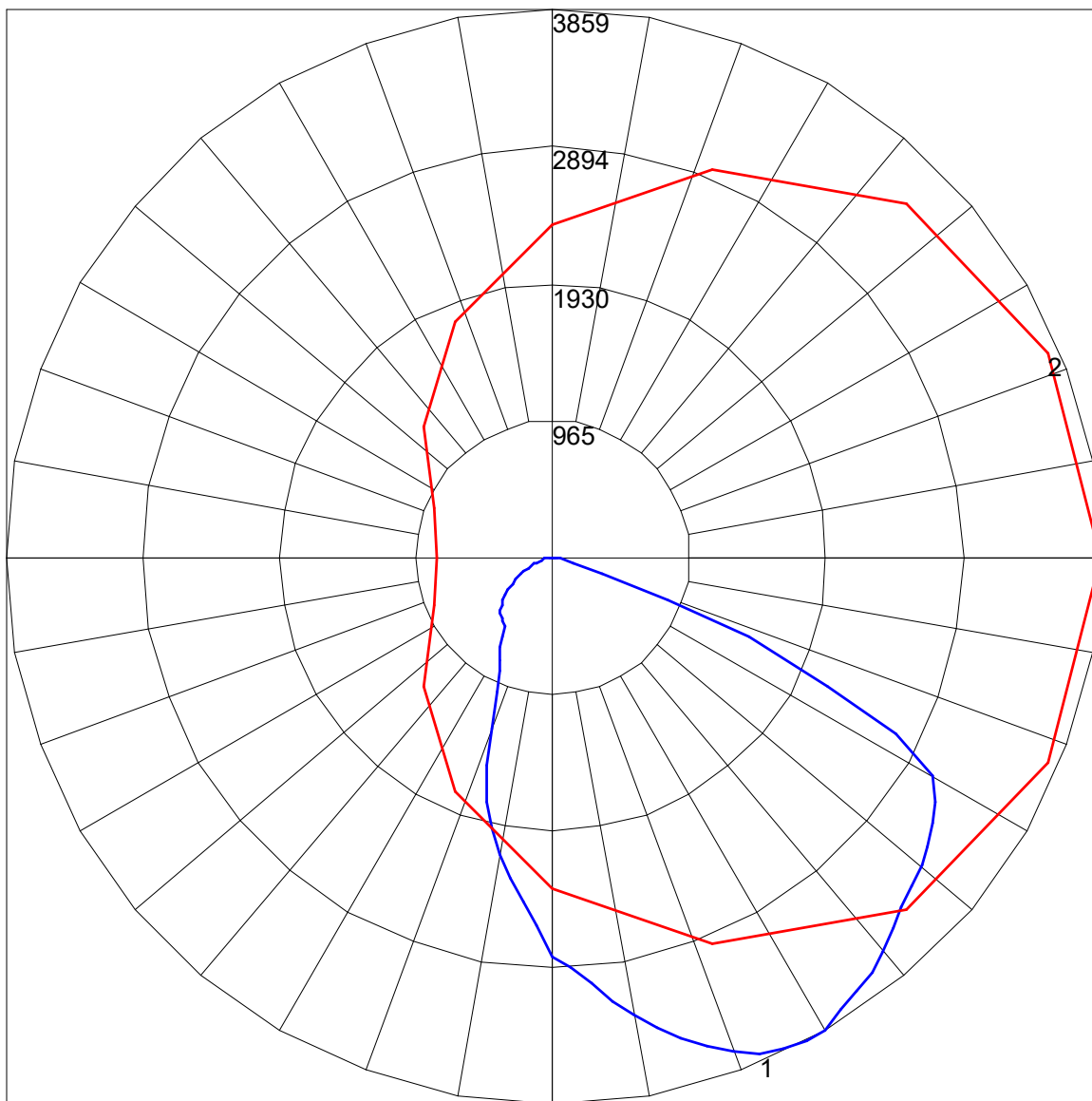
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

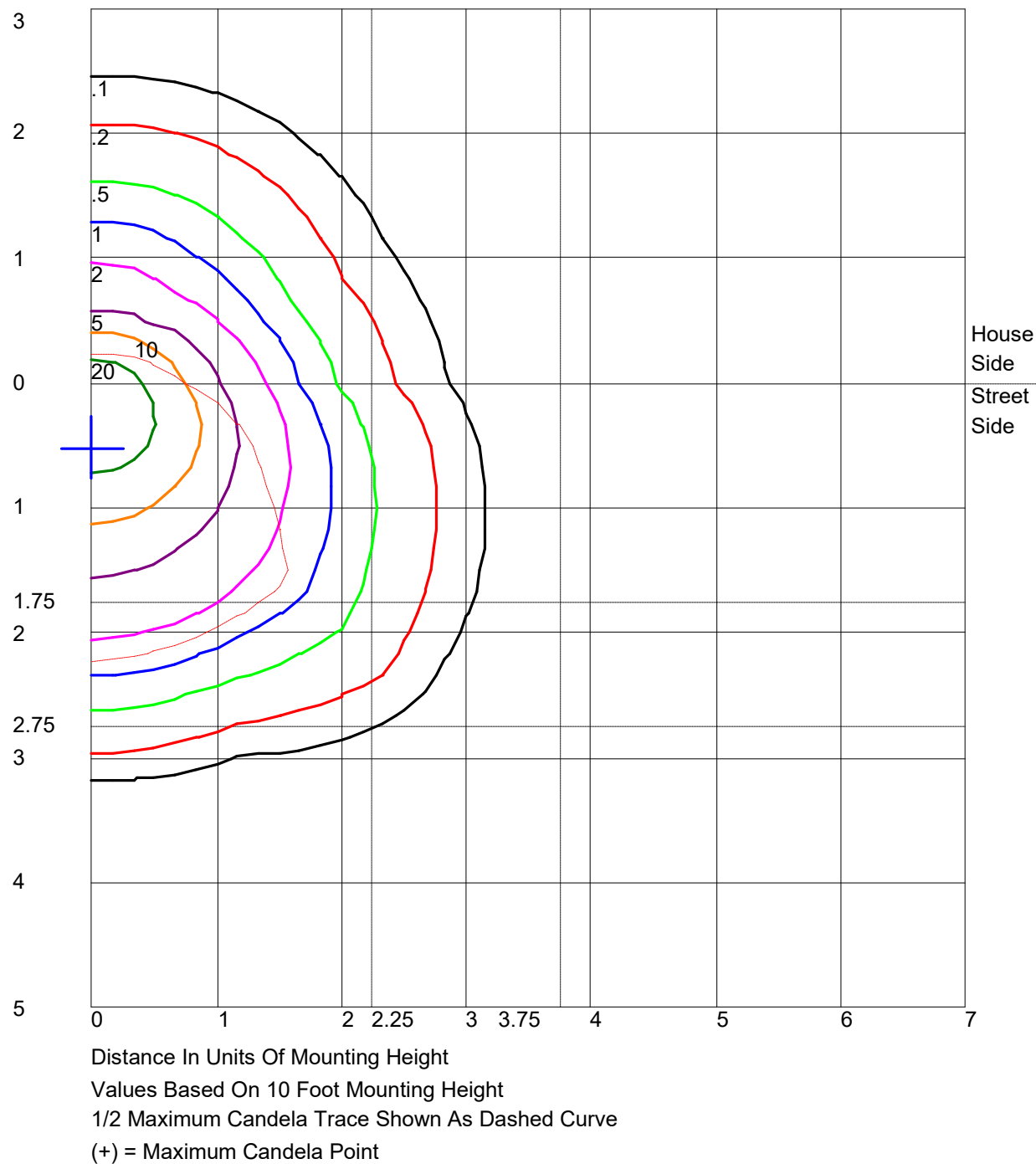
	Lumens	Percent Of Luminaire
Downward Street Side	5562.4	75.2
Downward House Side	1838.6	24.8
Downward Total	7401.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7401.0	100.0

POLAR GRAPH

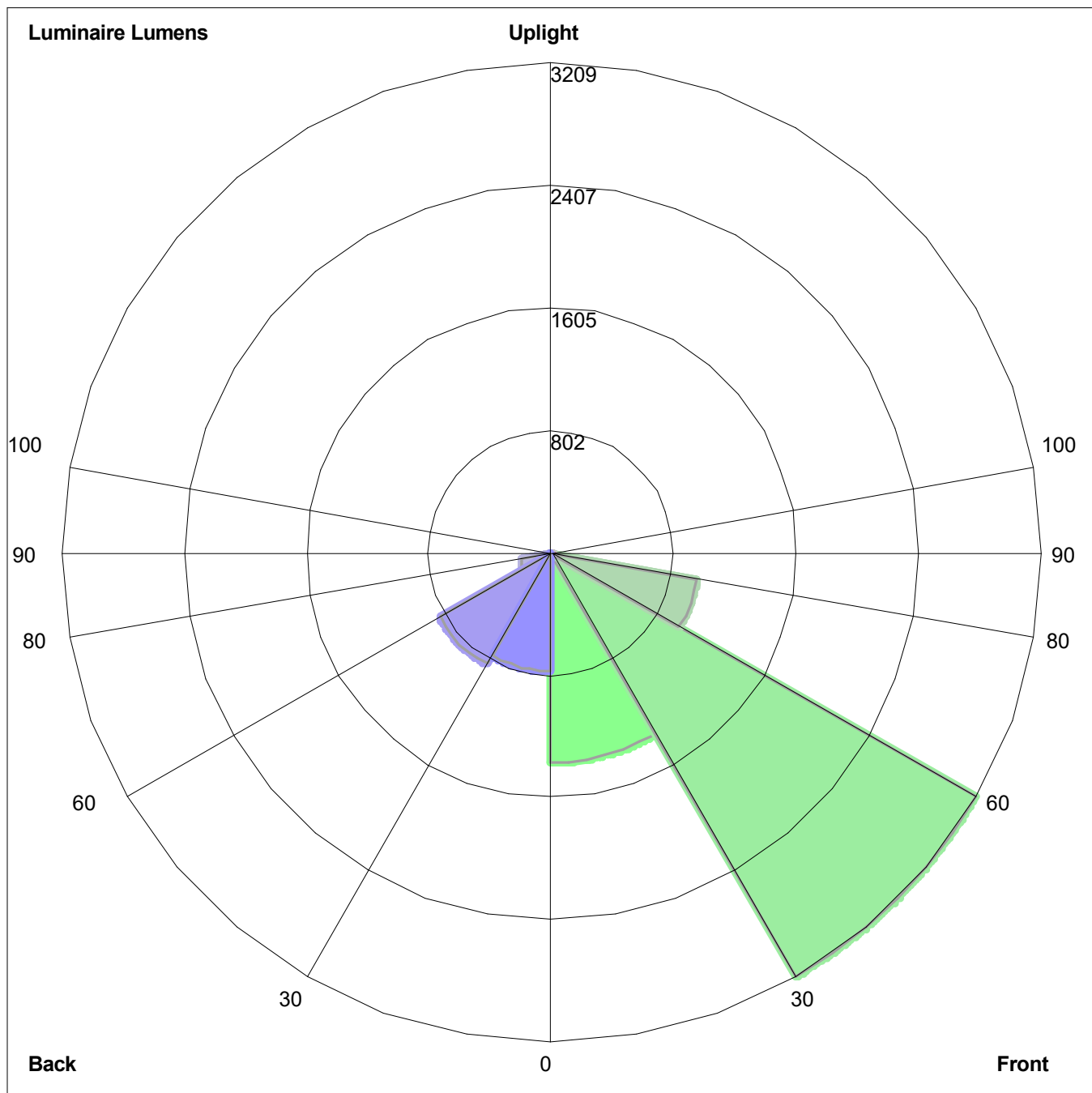


Maximum Candela = 3859.314 Located At Horizontal Angle = 360, Vertical Angle = 27.5  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1375.2, Medium=3209.2, High=971.0, Very High=7.0  
Back: Low=779.1, Medium=846.2, High=205.4, Very High=7.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1