



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WPSLL-08L-50.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  
[ISSUEDATE] 10/25/2018  
[MANUFAC] LSI INDUSTRIES, INC  
[LUMCAT] WPSLL-08L-50  
[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	9332
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	76.39
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4889.427
Maximum Candela Angle	360H 25V
Maximum Candela (<90 Degrees Vertical)	4889.427
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	80.409 (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)	1816.2	N.A.	19.5
FM - Front-Medium (30-60)	4008.7	N.A.	43.0
FH - Front-High (60-80)	961.9	N.A.	10.3
FVH - Front-Very High (80-90)	5.1	N.A.	0.1
BL - Back-Low (0-30)	1104.1	N.A.	11.8
BM - Back-Medium (30-60)	1155.0	N.A.	12.4
BH - Back-High (60-80)	269.9	N.A.	2.9
BVH - Back-Very High (80-90)	11.0	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	9331.9	N.A.	100.0
BUG Rating	B3-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>	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984
<b>2.5</b>	3958.112	4035.891	4004.188	3953.283	3892.227	3827.664	3771.812	3727.503	3607.123	3727.503
<b>5.0</b>	4115.411	4177.320	4106.126	3998.995	3875.025	3747.664	3633.470	3553.891	3416.332	3553.891
<b>7.5</b>	4268.184	4308.833	4200.416	4033.412	3845.252	3653.525	3483.316	3371.286	3218.314	3371.286
<b>10.0</b>	4405.416	4425.693	4282.381	4058.180	3805.714	3548.395	3324.743	3181.676	3013.560	3181.676
<b>12.5</b>	4522.486	4524.533	4352.546	4074.481	3755.838	3431.102	3158.533	2983.576	2798.258	2983.576
<b>15.0</b>	4628.155	4615.362	4409.450	4081.393	3694.724	3306.488	2984.313	2779.244	2576.864	2779.244
<b>17.5</b>	4735.449	4701.022	4460.811	4079.498	3622.138	3169.795	2802.959	2563.439	2298.004	2563.439
<b>20.0</b>	4821.519	4768.567	4507.015	4066.120	3535.683	3022.495	2613.244	2307.067	1954.463	2307.067
<b>22.5</b>	4870.213	4805.428	4549.102	4038.919	3438.212	2868.143	2417.998	1994.212	1584.751	1994.212
<b>25.0</b>	4889.427	4813.391	4575.917	4000.738	3328.380	2704.553	2194.721	1655.279	1260.845	1655.279
<b>27.5</b>	4875.289	4784.284	4575.145	3951.564	3208.561	2534.449	1936.805	1342.529	1118.270	1342.529
<b>30.0</b>	4792.622	4720.340	4549.734	3893.958	3079.609	2354.534	1664.517	1140.652	1034.679	1140.652
<b>32.5</b>	4727.006	4639.393	4499.250	3830.178	2933.408	2165.965	1407.736	1047.239	914.638	1047.239
<b>35.0</b>	4656.455	4562.083	4415.414	3759.674	2779.255	1974.893	1175.361	945.464	807.122	945.464
<b>37.5</b>	4565.661	4470.517	4308.225	3676.633	2613.326	1787.271	1032.118	832.498	748.745	832.498
<b>40.0</b>	4443.971	4353.891	4179.928	3569.994	2440.930	1597.089	947.008	752.101	725.391	752.101
<b>42.5</b>	4353.505	4246.538	4045.819	3439.393	2257.402	1402.275	851.303	710.002	705.991	710.002
<b>45.0</b>	4289.023	4156.516	3892.601	3281.100	2071.288	1211.870	742.500	686.461	683.736	686.461
<b>47.5</b>	4220.460	4069.862	3717.937	3100.729	1874.054	1038.316	657.027	662.909	653.682	662.909
<b>50.0</b>	4150.658	3975.864	3541.764	2887.789	1671.464	899.342	609.630	634.270	614.402	634.270
<b>52.5</b>	4067.044	3867.599	3364.796	2647.345	1469.458	801.322	579.038	597.574	568.233	597.574
<b>55.0</b>	3965.223	3736.122	3187.044	2392.961	1267.043	718.737	549.019	553.592	520.591	553.592
<b>57.5</b>	3818.320	3545.752	2998.662	2137.782	1068.522	627.020	513.282	504.347	468.680	504.347
<b>60.0</b>	3370.724	3171.748	2795.990	1886.894	876.328	525.631	470.352	452.367	415.776	452.367
<b>62.5</b>	2632.914	2555.580	2571.590	1637.773	702.798	427.131	420.126	399.427	362.894	399.427
<b>65.0</b>	1833.849	1805.058	2283.515	1392.136	553.358	349.949	366.297	346.125	310.434	346.125
<b>67.5</b>	1064.593	1063.611	1857.156	1130.280	443.772	300.108	310.762	293.150	259.635	293.150
<b>70.0</b>	467.335	491.706	1275.042	836.264	353.785	252.361	255.928	241.766	211.080	241.766
<b>72.5</b>	200.099	192.791	688.367	571.110	267.025	202.520	202.707	193.481	166.841	193.481
<b>75.0</b>	83.766	79.825	270.592	380.892	184.967	151.428	152.586	148.809	124.251	148.809
<b>77.5</b>	35.024	30.253	81.053	205.607	110.101	104.067	109.481	107.119	83.193	107.119
<b>80.0</b>	20.699	15.682	25.587	80.409	54.413	63.897	71.112	68.902	48.391	68.902
<b>82.5</b>	9.285	6.525	9.683	24.043	20.348	33.913	38.743	37.550	22.429	37.550
<b>85.0</b>	2.584	1.614	2.888	5.274	6.584	13.366	15.881	15.518	5.847	15.518
<b>87.5</b>	0.210	0.187	0.363	0.807	1.532	3.181	4.070	4.385	0.830	4.385
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

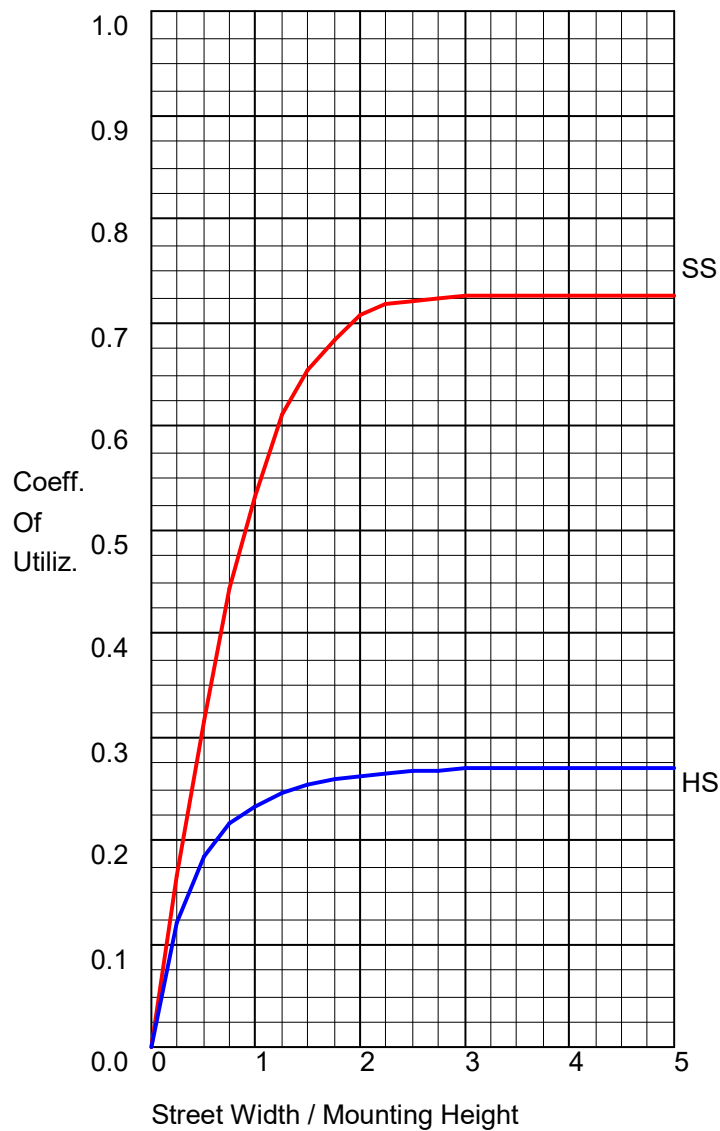
<b>Vert. Angles</b>	<b>Horizontal Angles</b>						
	<u><b>225.0</b></u>	<u><b>247.5</b></u>	<u><b>270.0</b></u>	<u><b>292.5</b></u>	<u><b>315.0</b></u>	<u><b>337.5</b></u>	<u><b>360.0</b></u>
<b>0.0</b>	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984	3875.984
<b>2.5</b>	3771.812	3827.664	3892.227	3953.283	4004.188	4035.891	3958.112
<b>5.0</b>	3633.470	3747.664	3875.025	3998.995	4106.126	4177.320	4115.411
<b>7.5</b>	3483.316	3653.525	3845.252	4033.412	4200.416	4308.833	4268.184
<b>10.0</b>	3324.743	3548.395	3805.714	4058.180	4282.381	4425.693	4405.416
<b>12.5</b>	3158.533	3431.102	3755.838	4074.481	4352.546	4524.533	4522.486
<b>15.0</b>	2984.313	3306.488	3694.724	4081.393	4409.450	4615.362	4628.155
<b>17.5</b>	2802.959	3169.795	3622.138	4079.498	4460.811	4701.022	4735.449
<b>20.0</b>	2613.244	3022.495	3535.683	4066.120	4507.015	4768.567	4821.519
<b>22.5</b>	2417.998	2868.143	3438.212	4038.919	4549.102	4805.428	4870.213
<b>25.0</b>	2194.721	2704.553	3328.380	4000.738	4575.917	4813.391	4889.427
<b>27.5</b>	1936.805	2534.449	3208.561	3951.564	4575.145	4784.284	4875.289

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**CANDELA TABULATION - (Cont.)**

<b>30.0</b>	1664.517	2354.534	3079.609	3893.958	4549.734	4720.340	4792.622
<b>32.5</b>	1407.736	2165.965	2933.408	3830.178	4499.250	4639.393	4727.006
<b>35.0</b>	1175.361	1974.893	2779.255	3759.674	4415.414	4562.083	4656.455
<b>37.5</b>	1032.118	1787.271	2613.326	3676.633	4308.225	4470.517	4565.661
<b>40.0</b>	947.008	1597.089	2440.930	3569.994	4179.928	4353.891	4443.971
<b>42.5</b>	851.303	1402.275	2257.402	3439.393	4045.819	4246.538	4353.505
<b>45.0</b>	742.500	1211.870	2071.288	3281.100	3892.601	4156.516	4289.023
<b>47.5</b>	657.027	1038.316	1874.054	3100.729	3717.937	4069.862	4220.460
<b>50.0</b>	609.630	899.342	1671.464	2887.789	3541.764	3975.864	4150.658
<b>52.5</b>	579.038	801.322	1469.458	2647.345	3364.796	3867.599	4067.044
<b>55.0</b>	549.019	718.737	1267.043	2392.961	3187.044	3736.122	3965.223
<b>57.5</b>	513.282	627.020	1068.522	2137.782	2998.662	3545.752	3818.320
<b>60.0</b>	470.352	525.631	876.328	1886.894	2795.990	3171.748	3370.724
<b>62.5</b>	420.126	427.131	702.798	1637.773	2571.590	2555.580	2632.914
<b>65.0</b>	366.297	349.949	553.358	1392.136	2283.515	1805.058	1833.849
<b>67.5</b>	310.762	300.108	443.772	1130.280	1857.156	1063.611	1064.593
<b>70.0</b>	255.928	252.361	353.785	836.264	1275.042	491.706	467.335
<b>72.5</b>	202.707	202.520	267.025	571.110	688.367	192.791	200.099
<b>75.0</b>	152.586	151.428	184.967	380.892	270.592	79.825	83.766
<b>77.5</b>	109.481	104.067	110.101	205.607	81.053	30.253	35.024
<b>80.0</b>	71.112	63.897	54.413	80.409	25.587	15.682	20.699
<b>82.5</b>	38.743	33.913	20.348	24.043	9.683	6.525	9.285
<b>85.0</b>	15.881	13.366	6.584	5.274	2.888	1.614	2.584
<b>87.5</b>	4.070	3.181	1.532	0.807	0.363	0.187	0.210
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000

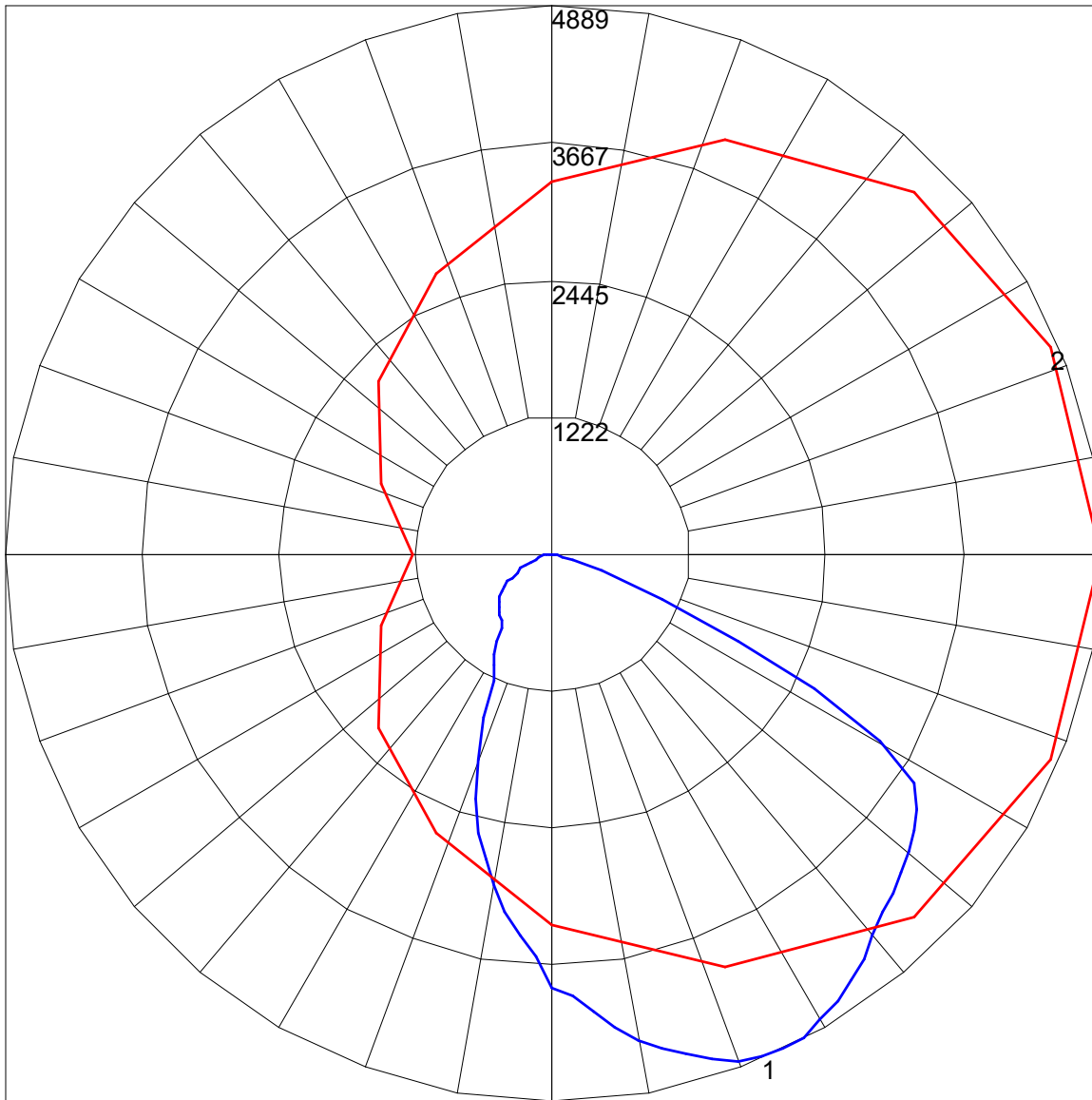
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

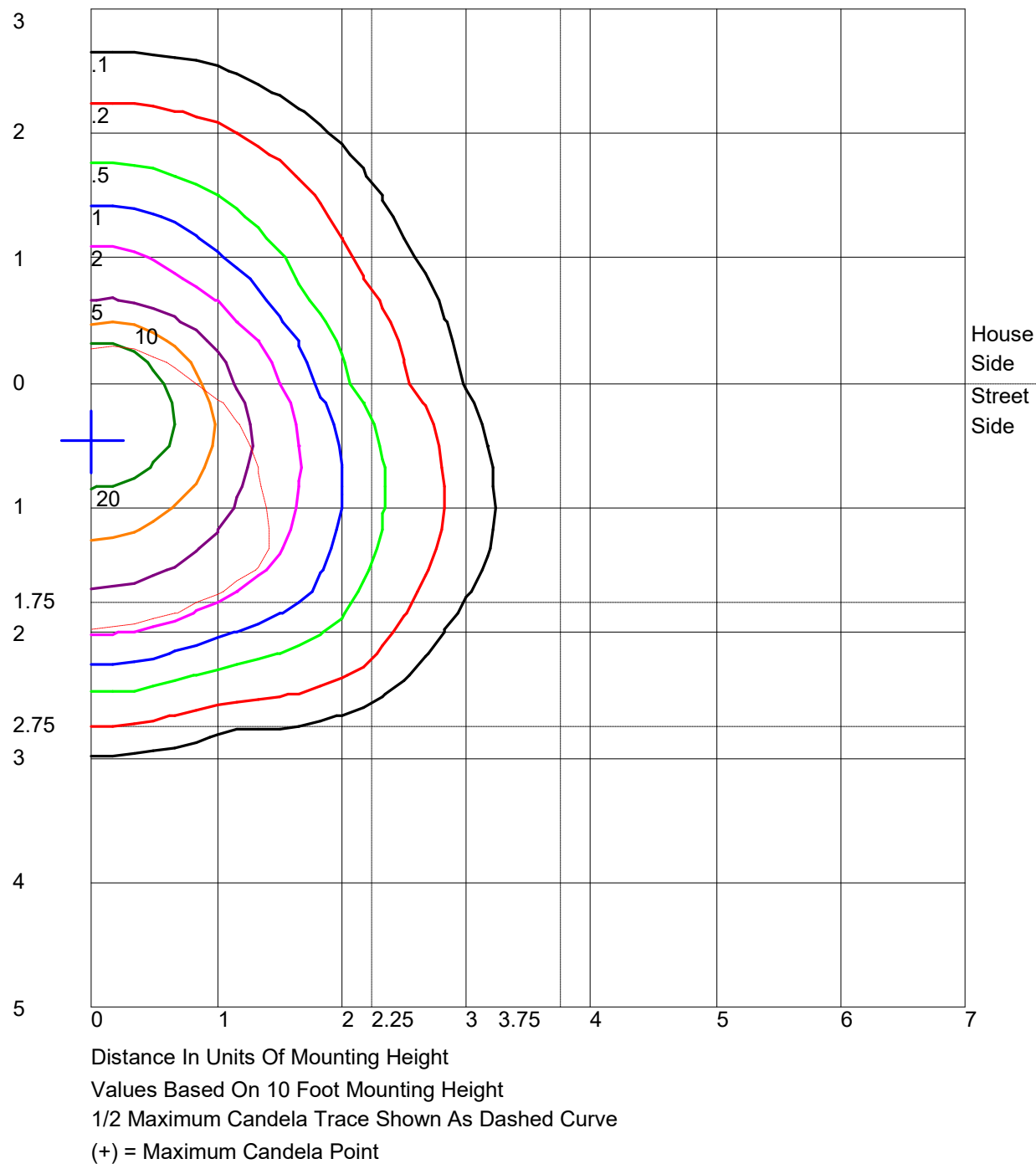
	Lumens	Percent Of Luminaire
Downward Street Side	6792.0	72.8
Downward House Side	2540.0	27.2
Downward Total	9332.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9332.0	100.0

POLAR GRAPH

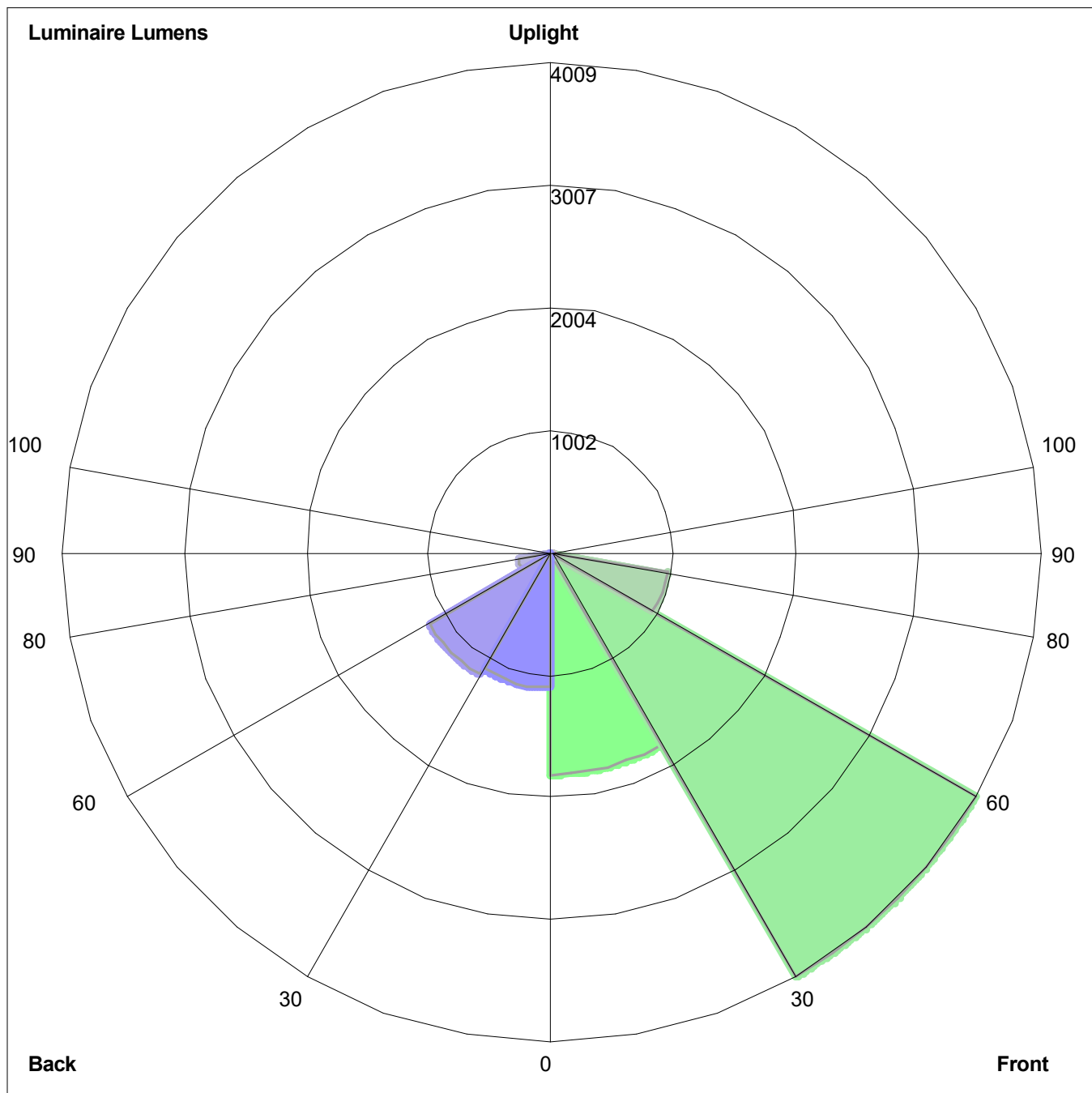


Maximum Candela = 4889.427 Located At Horizontal Angle = 360, Vertical Angle = 25  
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1816.2, Medium=4008.7, High=961.9, Very High=5.1  
Back: Low=1104.1, Medium= 1155.0, High=269.9, Very High=11.0  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1