



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-07L-DA-W-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]3367_Scaled
[TESTLAB]LSI INDUSTRIES, INC
[TESTDATE]3/19/2018
[ISSUE DATE]7/10/2018
[MANUFACTURER]LSI INDUSTRIES, INC
[LUMCAT]WCP-07L-DA-W-50
[OTHER]TEST PROCEDURE: IESNA
[_ABSOLUTE]NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED
[OTHER]SCALED FROM ORIGINAL TEST DATA
[_SEARCH_SOURCETYPE] FL
[_SEARCH_APPLICATION] Outdoor

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7788
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2803.819
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	2803.819
Maximum Candela Angle (<90 Degrees Vertical)	270H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	248.924 (3.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1105.2	N.A.	14.2
FM - Front-Medium (30-60)	2067.9	N.A.	26.6
FH - Front-High (60-80)	675.1	N.A.	8.7
FVH - Front-Very High (80-90)	45.9	N.A.	0.6
BL - Back-Low (0-30)	1105.2	N.A.	14.2
BM - Back-Medium (30-60)	2067.9	N.A.	26.6
BH - Back-High (60-80)	675.1	N.A.	8.7
BVH - Back-Very High (80-90)	45.9	N.A.	0.6
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7788.2	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	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168
2.5	2800.819	2797.447	2797.912	2798.958	2803.819	2798.958	2797.912	2797.447	2800.819	2797.447
5.0	2790.493	2788.144	2790.307	2790.842	2794.144	2790.842	2790.307	2788.144	2790.493	2788.144
7.5	2782.376	2780.725	2778.887	2775.375	2776.306	2775.375	2778.887	2780.725	2782.376	2780.725
10.0	2772.678	2770.096	2762.305	2749.048	2746.839	2749.048	2762.305	2770.096	2772.678	2770.096
12.5	2767.166	2759.305	2739.326	2718.255	2711.790	2718.255	2739.326	2759.305	2767.166	2759.305
15.0	2756.165	2744.420	2715.418	2684.090	2674.438	2684.090	2715.418	2744.420	2756.165	2744.420
17.5	2736.675	2722.511	2689.300	2639.599	2628.528	2639.599	2689.300	2722.511	2736.675	2722.511
20.0	2706.650	2691.207	2660.926	2589.572	2579.990	2589.572	2660.926	2691.207	2706.650	2691.207
22.5	2660.879	2647.506	2621.109	2548.546	2543.778	2548.546	2621.109	2647.506	2660.879	2647.506
25.0	2599.433	2586.409	2567.431	2510.660	2510.102	2510.660	2567.431	2586.409	2599.433	2586.409
27.5	2532.126	2518.777	2509.450	2474.401	2477.123	2474.401	2509.450	2518.777	2532.126	2518.777
30.0	2456.237	2448.307	2448.051	2436.817	2429.957	2436.817	2448.051	2448.307	2456.237	2448.307
32.5	2370.162	2367.580	2383.349	2381.721	2351.253	2381.721	2383.349	2367.580	2370.162	2367.580
35.0	2270.201	2265.108	2317.019	2299.506	2253.572	2299.506	2317.019	2265.108	2270.201	2265.108
37.5	2168.776	2148.798	2234.129	2202.476	2170.171	2202.476	2234.129	2148.798	2168.776	2148.798
40.0	2080.561	2048.372	2132.285	2113.819	2093.841	2113.819	2132.285	2048.372	2080.561	2048.372
42.5	1995.322	1953.994	2019.161	2026.138	2006.951	2026.138	2019.161	1953.994	1995.322	1953.994
45.0	1901.944	1864.825	1897.920	1925.945	1898.223	1925.945	1897.920	1864.825	1901.944	1864.825
47.5	1785.145	1768.842	1783.494	1804.263	1767.656	1804.263	1783.494	1768.842	1785.145	1768.842
50.0	1653.392	1651.996	1673.230	1665.835	1628.576	1665.835	1673.230	1651.996	1653.392	1651.996
52.5	1519.104	1523.825	1559.409	1523.569	1493.753	1523.569	1559.409	1523.825	1519.104	1523.825
55.0	1394.491	1393.281	1430.400	1386.071	1369.373	1386.071	1430.400	1393.281	1394.491	1393.281
57.5	1271.110	1265.249	1287.274	1259.202	1244.573	1259.202	1287.274	1265.249	1271.110	1265.249
60.0	1144.776	1141.590	1142.590	1133.356	1118.588	1133.356	1142.590	1141.590	1144.776	1141.590
62.5	1014.162	1016.441	1006.697	1007.441	996.370	1007.441	1006.697	1016.441	1014.162	1016.441
65.0	878.339	886.619	883.735	886.642	879.734	886.642	883.735	886.619	878.339	886.619
67.5	757.889	762.192	768.471	770.401	764.727	770.401	768.471	762.192	757.889	762.192
70.0	648.323	647.905	657.510	661.208	660.278	661.208	657.510	647.905	648.323	647.905
72.5	549.782	546.316	553.084	558.410	554.619	558.410	553.084	546.316	549.782	546.316
75.0	447.914	446.496	455.659	454.705	448.031	454.705	455.659	446.496	447.914	446.496
77.5	326.557	332.627	360.862	343.651	327.162	343.651	360.862	332.627	326.557	332.627
80.0	218.852	222.690	248.924	232.272	218.340	232.272	248.924	222.690	218.852	222.690
82.5	127.358	133.218	137.916	139.289	126.706	139.289	137.916	133.218	127.358	133.218
85.0	58.213	65.353	67.656	68.493	60.795	68.493	67.656	65.353	58.213	65.353
87.5	18.420	23.118	24.769	24.188	21.350	24.188	24.769	23.118	18.420	23.118
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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PHOTOMETRIC FILENAME : WCP-07L-DA-W-50.IES

CANDELA TABULATION - (Cont.)

132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

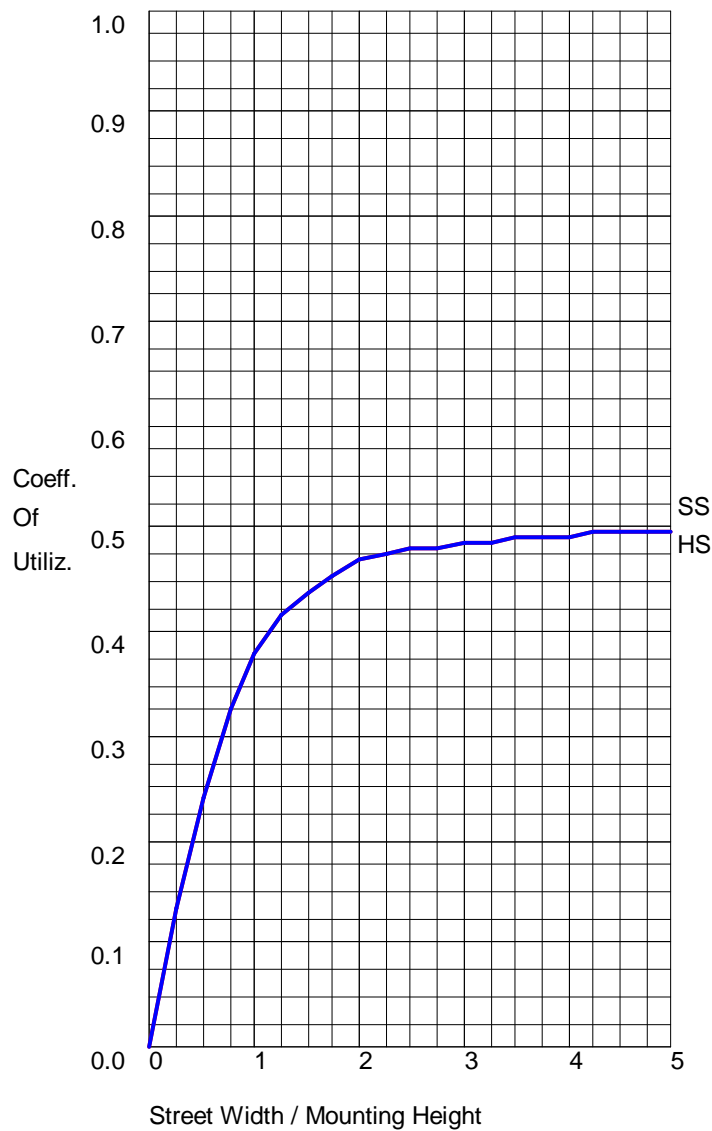
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168	2802.168
2.5	2797.912	2798.958	2803.819	2798.958	2797.912	2797.447	2800.819
5.0	2790.307	2790.842	2794.144	2790.842	2790.307	2788.144	2790.493
7.5	2778.887	2775.375	2776.306	2775.375	2778.887	2780.725	2782.376
10.0	2762.305	2749.048	2746.839	2749.048	2762.305	2770.096	2772.678
12.5	2739.326	2718.255	2711.790	2718.255	2739.326	2759.305	2767.166
15.0	2715.418	2684.090	2674.438	2684.090	2715.418	2744.420	2756.165
17.5	2689.300	2639.599	2628.528	2639.599	2689.300	2722.511	2736.675
20.0	2660.926	2589.572	2579.990	2589.572	2660.926	2691.207	2706.650
22.5	2621.109	2548.546	2543.778	2548.546	2621.109	2647.506	2660.879
25.0	2567.431	2510.660	2510.102	2510.660	2567.431	2586.409	2599.433
27.5	2509.450	2474.401	2477.123	2474.401	2509.450	2518.777	2532.126
30.0	2448.051	2436.817	2429.957	2436.817	2448.051	2448.307	2456.237
32.5	2383.349	2381.721	2351.253	2381.721	2383.349	2367.580	2370.162
35.0	2317.019	2299.506	2253.572	2299.506	2317.019	2265.108	2270.201
37.5	2234.129	2202.476	2170.171	2202.476	2234.129	2148.798	2168.776
40.0	2132.285	2113.819	2093.841	2113.819	2132.285	2048.372	2080.561
42.5	2019.161	2026.138	2006.951	2026.138	2019.161	1953.994	1995.322
45.0	1897.920	1925.945	1898.223	1925.945	1897.920	1864.825	1901.944
47.5	1783.494	1804.263	1767.656	1804.263	1783.494	1768.842	1785.145
50.0	1673.230	1665.835	1628.576	1665.835	1673.230	1651.996	1653.392
52.5	1559.409	1523.569	1493.753	1523.569	1559.409	1523.825	1519.104
55.0	1430.400	1386.071	1369.373	1386.071	1430.400	1393.281	1394.491
57.5	1287.274	1259.202	1244.573	1259.202	1287.274	1265.249	1271.110
60.0	1142.590	1133.356	1118.588	1133.356	1142.590	1141.590	1144.776
62.5	1006.697	1007.441	996.370	1007.441	1006.697	1016.441	1014.162
65.0	883.735	886.642	879.734	886.642	883.735	886.619	878.339
67.5	768.471	770.401	764.727	770.401	768.471	762.192	757.889
70.0	657.510	661.208	660.278	661.208	657.510	647.905	648.323
72.5	553.084	558.410	554.619	558.410	553.084	546.316	549.782
75.0	455.659	454.705	448.031	454.705	455.659	446.496	447.914
77.5	360.862	343.651	327.162	343.651	360.862	332.627	326.557

IES ROAD REPORT
PHOTOMETRIC FILENAME : WCP-07L-DA-W-50.IES

CANDELA TABULATION - (Cont.)

80.0	248.924	232.272	218.340	232.272	248.924	222.690	218.852
82.5	137.916	139.289	126.706	139.289	137.916	133.218	127.358
85.0	67.656	68.493	60.795	68.493	67.656	65.353	58.213
87.5	24.769	24.188	21.350	24.188	24.769	23.118	18.420
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

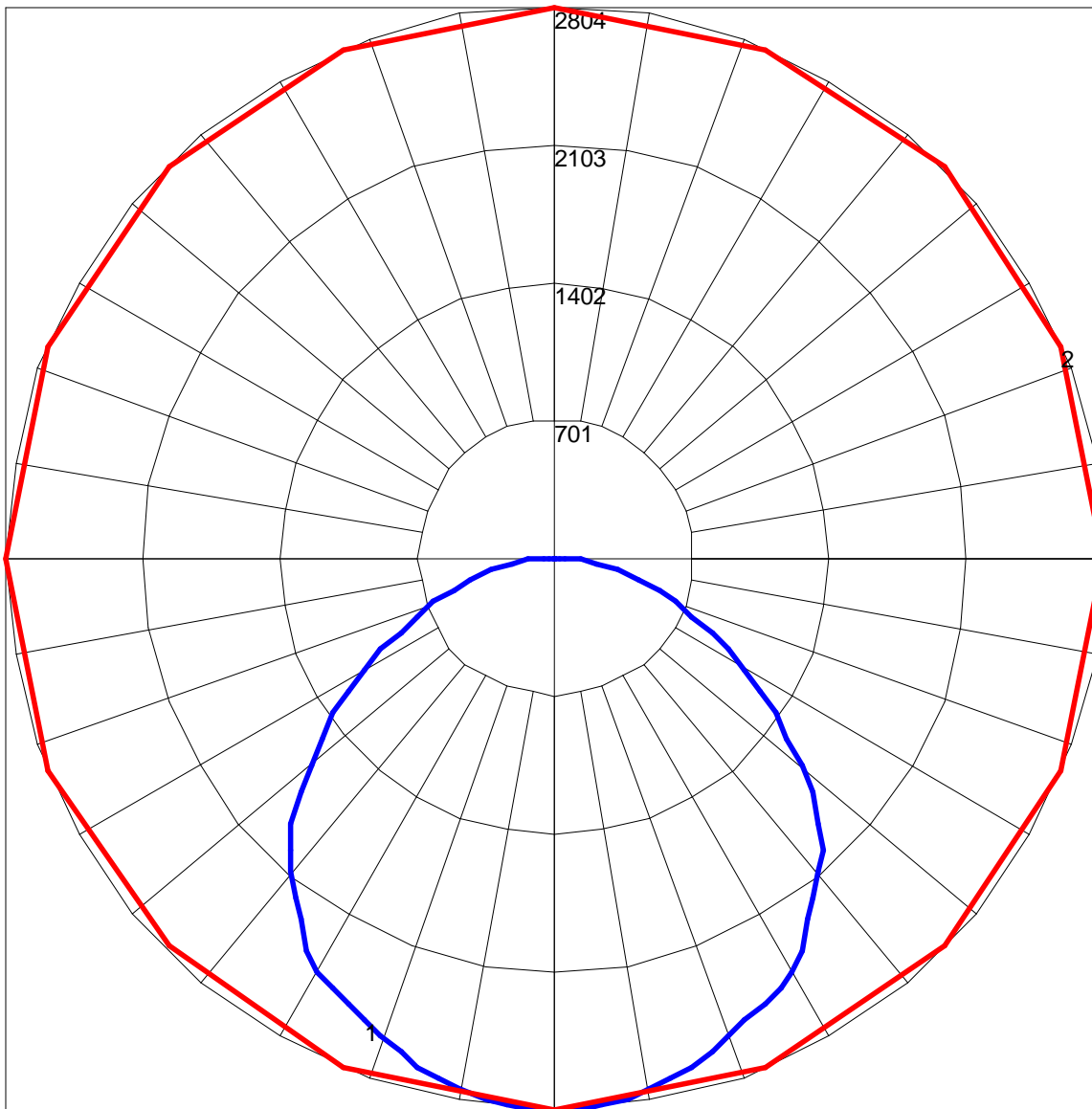
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

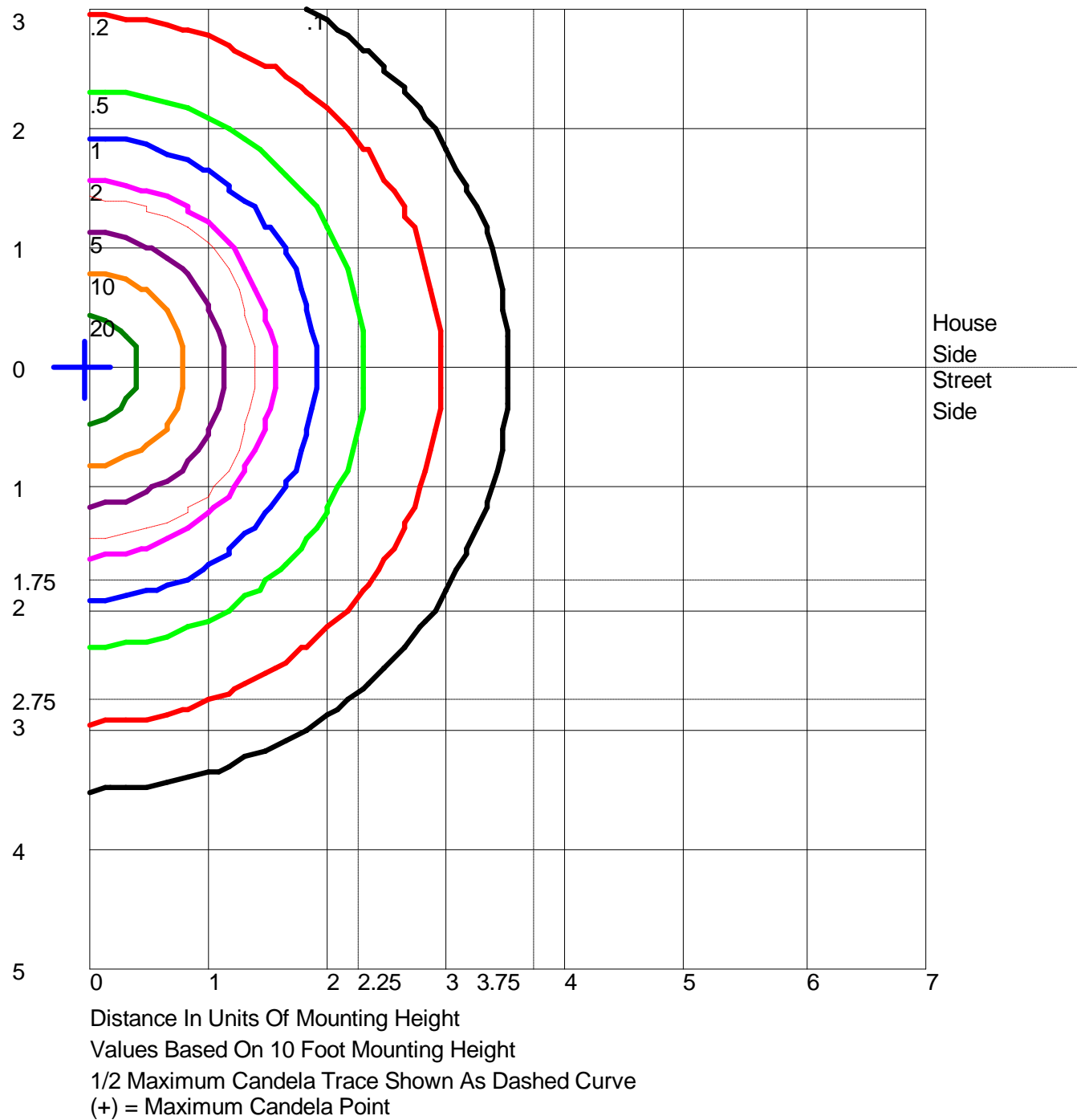
	Lumens	Percent Of Luminaire
Downward Street Side	3894.1	50.0
Downward House Side	3894.1	50.0
Downward Total	7788.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7788.2	100.0

POLAR GRAPH

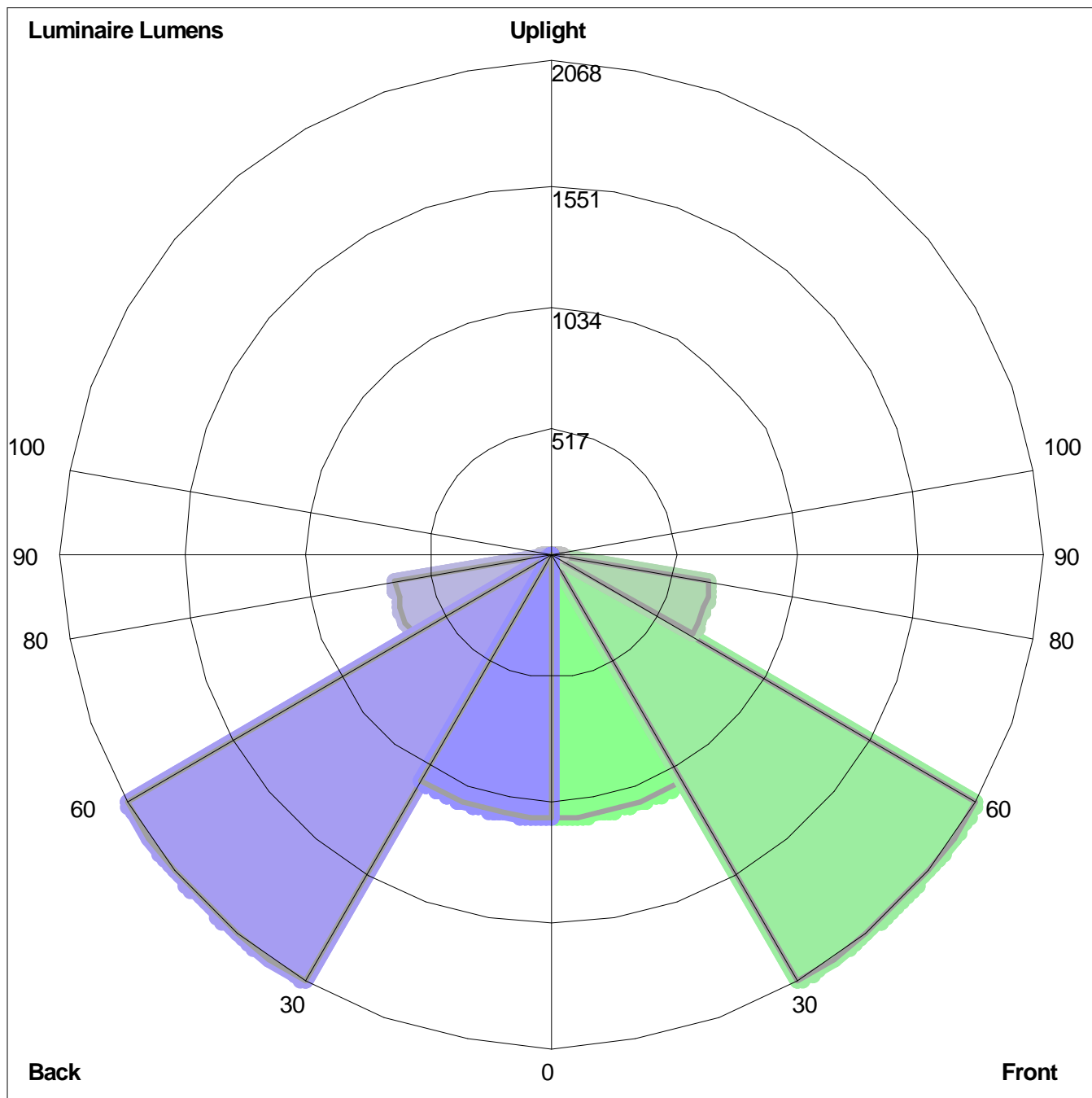


Maximum Candela = 2803.819 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1105.2, Medium=2067.9, High=675.1, Very High=45.9
Back: Low=1105.2, Medium=2067.9, High=675.1, Very High=45.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1