



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-07L-DA-W-40.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  
[MANUFACT]LSI INDUSTRIES, INC  
[LUMCAT]WCP-07L-DA-W-40  
[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	7680
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	60
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2764.94
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	2764.94
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	245.472 (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)	1089.9	N.A.	14.2
FM - Front-Medium (30-60)	2039.2	N.A.	26.6
FH - Front-High (60-80)	665.8	N.A.	8.7
FVH - Front-Very High (80-90)	45.3	N.A.	0.6
BL - Back-Low (0-30)	1089.9	N.A.	14.2
BM - Back-Medium (30-60)	2039.2	N.A.	26.6
BH - Back-High (60-80)	665.8	N.A.	8.7
BVH - Back-Very High (80-90)	45.3	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	7680.4	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>	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311
<b>2.5</b>	2761.981	2758.656	2759.114	2760.146	2764.940	2760.146	2759.114	2758.656	2761.981	2758.656
<b>5.0</b>	2751.798	2749.482	2751.615	2752.142	2755.399	2752.142	2751.615	2749.482	2751.798	2749.482
<b>7.5</b>	2743.794	2742.165	2740.354	2736.890	2737.808	2736.890	2740.354	2742.165	2743.794	2742.165
<b>10.0</b>	2734.230	2731.684	2724.001	2710.928	2708.749	2710.928	2724.001	2731.684	2734.230	2731.684
<b>12.5</b>	2728.794	2721.042	2701.341	2680.562	2674.186	2680.562	2701.341	2721.042	2728.794	2721.042
<b>15.0</b>	2717.946	2706.364	2677.764	2646.871	2637.353	2646.871	2677.764	2706.364	2717.946	2706.364
<b>17.5</b>	2698.727	2684.759	2652.008	2602.996	2592.079	2602.996	2652.008	2684.759	2698.727	2684.759
<b>20.0</b>	2669.118	2653.889	2624.028	2553.663	2544.214	2553.663	2624.028	2653.889	2669.118	2653.889
<b>22.5</b>	2623.982	2610.794	2584.763	2513.206	2508.505	2513.206	2584.763	2610.794	2623.982	2610.794
<b>25.0</b>	2563.388	2550.544	2531.829	2475.845	2475.295	2475.845	2531.829	2550.544	2563.388	2550.544
<b>27.5</b>	2497.014	2483.850	2474.653	2440.090	2442.773	2440.090	2474.653	2483.850	2497.014	2483.850
<b>30.0</b>	2422.178	2414.357	2414.105	2403.027	2396.261	2403.027	2414.105	2414.357	2422.178	2414.357
<b>32.5</b>	2337.296	2334.750	2350.300	2348.694	2318.650	2348.694	2350.300	2334.750	2337.296	2334.750
<b>35.0</b>	2238.721	2233.699	2284.889	2267.619	2222.323	2267.619	2284.889	2233.699	2238.721	2233.699
<b>37.5</b>	2138.702	2119.001	2203.149	2171.935	2140.078	2171.935	2203.149	2119.001	2138.702	2119.001
<b>40.0</b>	2051.710	2019.968	2102.717	2084.507	2064.806	2084.507	2102.717	2019.968	2051.710	2019.968
<b>42.5</b>	1967.654	1926.899	1991.162	1998.043	1979.121	1998.043	1991.162	1926.899	1967.654	1926.899
<b>45.0</b>	1875.570	1838.966	1871.602	1899.239	1871.901	1899.239	1871.602	1838.966	1875.570	1838.966
<b>47.5</b>	1760.391	1744.314	1758.763	1779.244	1743.144	1779.244	1758.763	1744.314	1760.391	1744.314
<b>50.0</b>	1630.465	1629.089	1650.028	1642.735	1605.993	1642.735	1650.028	1629.089	1630.465	1629.089
<b>52.5</b>	1498.039	1502.695	1537.785	1502.442	1473.040	1502.442	1537.785	1502.695	1498.039	1502.695
<b>55.0</b>	1375.154	1373.961	1410.565	1366.851	1350.384	1366.851	1410.565	1373.961	1375.154	1373.961
<b>57.5</b>	1253.484	1247.704	1269.424	1241.741	1227.315	1241.741	1269.424	1247.704	1253.484	1247.704
<b>60.0</b>	1128.902	1125.760	1126.746	1117.641	1103.077	1117.641	1126.746	1125.760	1128.902	1125.760
<b>62.5</b>	1000.099	1002.347	992.737	993.471	982.554	993.471	992.737	1002.347	1000.099	1002.347
<b>65.0</b>	866.159	874.324	871.480	874.347	867.536	874.347	871.480	874.324	866.159	874.324
<b>67.5</b>	747.380	751.623	757.815	759.719	754.122	759.719	757.815	751.623	747.380	751.623
<b>70.0</b>	639.333	638.920	648.393	652.039	651.122	652.039	648.393	638.920	639.333	638.920
<b>72.5</b>	542.158	538.741	545.415	550.667	546.929	550.667	545.415	538.741	542.158	538.741
<b>75.0</b>	441.703	440.304	449.341	448.400	441.818	448.400	449.341	440.304	441.703	440.304
<b>77.5</b>	322.029	328.015	355.858	338.886	322.625	338.886	355.858	328.015	322.029	328.015
<b>80.0</b>	215.817	219.602	245.472	229.051	215.313	229.051	245.472	219.602	215.817	219.602
<b>82.5</b>	125.592	131.371	136.004	137.357	124.949	137.357	136.004	131.371	125.592	131.371
<b>85.0</b>	57.406	64.447	66.718	67.543	59.952	67.543	66.718	64.447	57.406	64.447
<b>87.5</b>	18.164	22.797	24.426	23.852	21.054	23.852	24.426	22.797	18.164	22.797
<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>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES ROAD REPORT**  
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**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. Angles**      **Horizontal Angles**

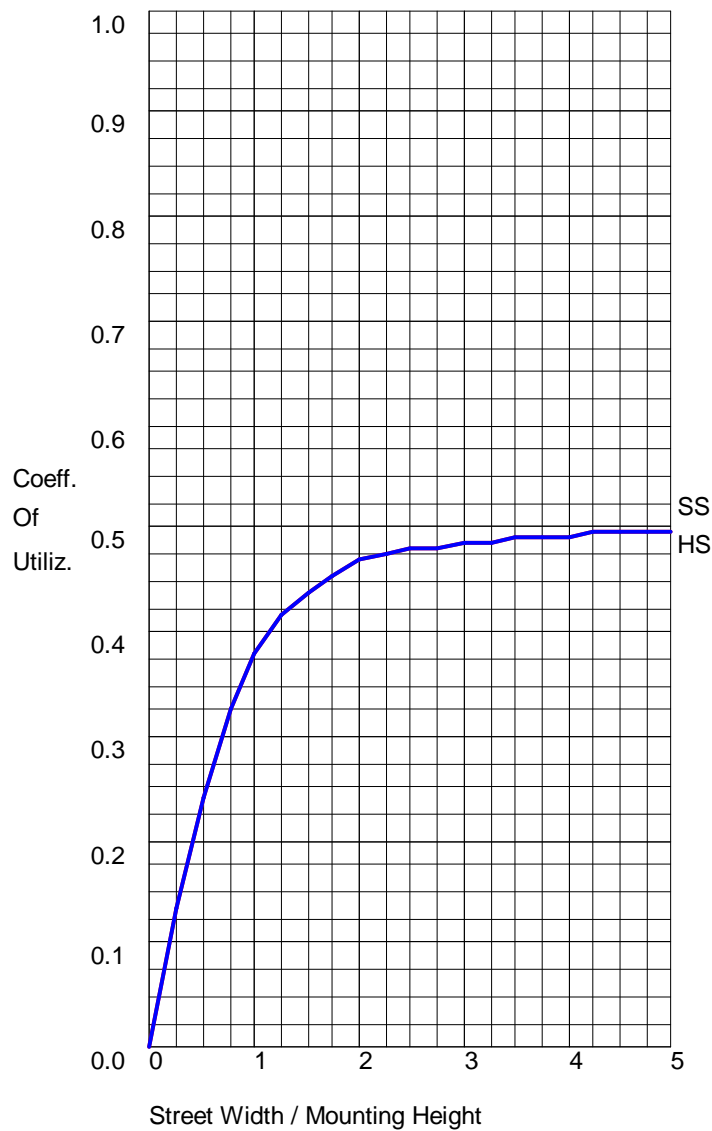
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311	2763.311
2.5	2759.114	2760.146	2764.940	2760.146	2759.114	2758.656	2761.981
5.0	2751.615	2752.142	2755.399	2752.142	2751.615	2749.482	2751.798
7.5	2740.354	2736.890	2737.808	2736.890	2740.354	2742.165	2743.794
10.0	2724.001	2710.928	2708.749	2710.928	2724.001	2731.684	2734.230
12.5	2701.341	2680.562	2674.186	2680.562	2701.341	2721.042	2728.794
15.0	2677.764	2646.871	2637.353	2646.871	2677.764	2706.364	2717.946
17.5	2652.008	2602.996	2592.079	2602.996	2652.008	2684.759	2698.727
20.0	2624.028	2553.663	2544.214	2553.663	2624.028	2653.889	2669.118
22.5	2584.763	2513.206	2508.505	2513.206	2584.763	2610.794	2623.982
25.0	2531.829	2475.845	2475.295	2475.845	2531.829	2550.544	2563.388
27.5	2474.653	2440.090	2442.773	2440.090	2474.653	2483.850	2497.014
30.0	2414.105	2403.027	2396.261	2403.027	2414.105	2414.357	2422.178
32.5	2350.300	2348.694	2318.650	2348.694	2350.300	2334.750	2337.296
35.0	2284.889	2267.619	2222.323	2267.619	2284.889	2233.699	2238.721
37.5	2203.149	2171.935	2140.078	2171.935	2203.149	2119.001	2138.702
40.0	2102.717	2084.507	2064.806	2084.507	2102.717	2019.968	2051.710
42.5	1991.162	1998.043	1979.121	1998.043	1991.162	1926.899	1967.654
45.0	1871.602	1899.239	1871.901	1899.239	1871.602	1838.966	1875.570
47.5	1758.763	1779.244	1743.144	1779.244	1758.763	1744.314	1760.391
50.0	1650.028	1642.735	1605.993	1642.735	1650.028	1629.089	1630.465
52.5	1537.785	1502.442	1473.040	1502.442	1537.785	1502.695	1498.039
55.0	1410.565	1366.851	1350.384	1366.851	1410.565	1373.961	1375.154
57.5	1269.424	1241.741	1227.315	1241.741	1269.424	1247.704	1253.484
60.0	1126.746	1117.641	1103.077	1117.641	1126.746	1125.760	1128.902
62.5	992.737	993.471	982.554	993.471	992.737	1002.347	1000.099
65.0	871.480	874.347	867.536	874.347	871.480	874.324	866.159
67.5	757.815	759.719	754.122	759.719	757.815	751.623	747.380
70.0	648.393	652.039	651.122	652.039	648.393	638.920	639.333
72.5	545.415	550.667	546.929	550.667	545.415	538.741	542.158
75.0	449.341	448.400	441.818	448.400	449.341	440.304	441.703
77.5	355.858	338.886	322.625	338.886	355.858	328.015	322.029

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

<b>80.0</b>	245.472	229.051	215.313	229.051	245.472	219.602	215.817
<b>82.5</b>	136.004	137.357	124.949	137.357	136.004	131.371	125.592
<b>85.0</b>	66.718	67.543	59.952	67.543	66.718	64.447	57.406
<b>87.5</b>	24.426	23.852	21.054	23.852	24.426	22.797	18.164
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>137.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>142.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000

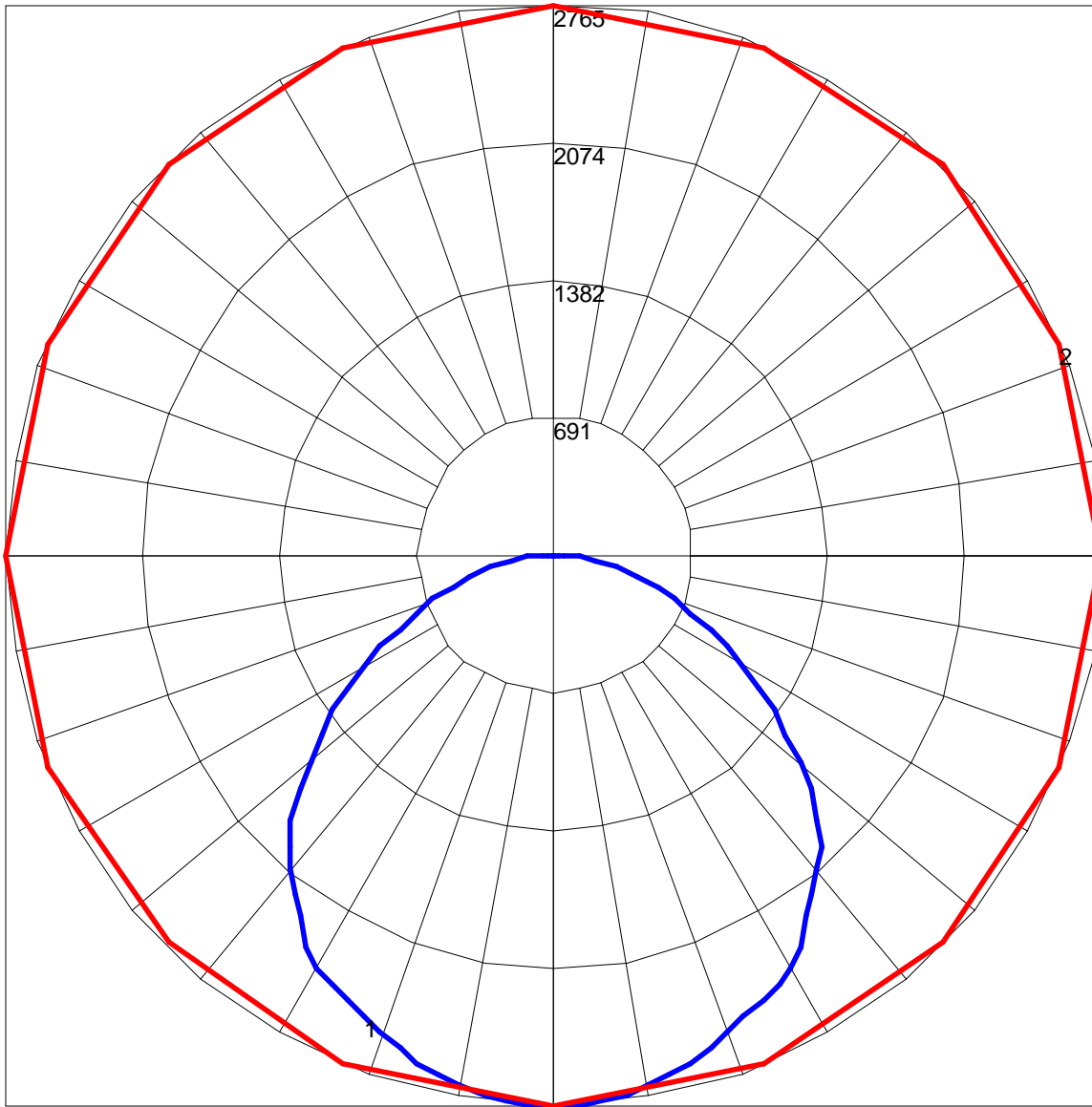
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

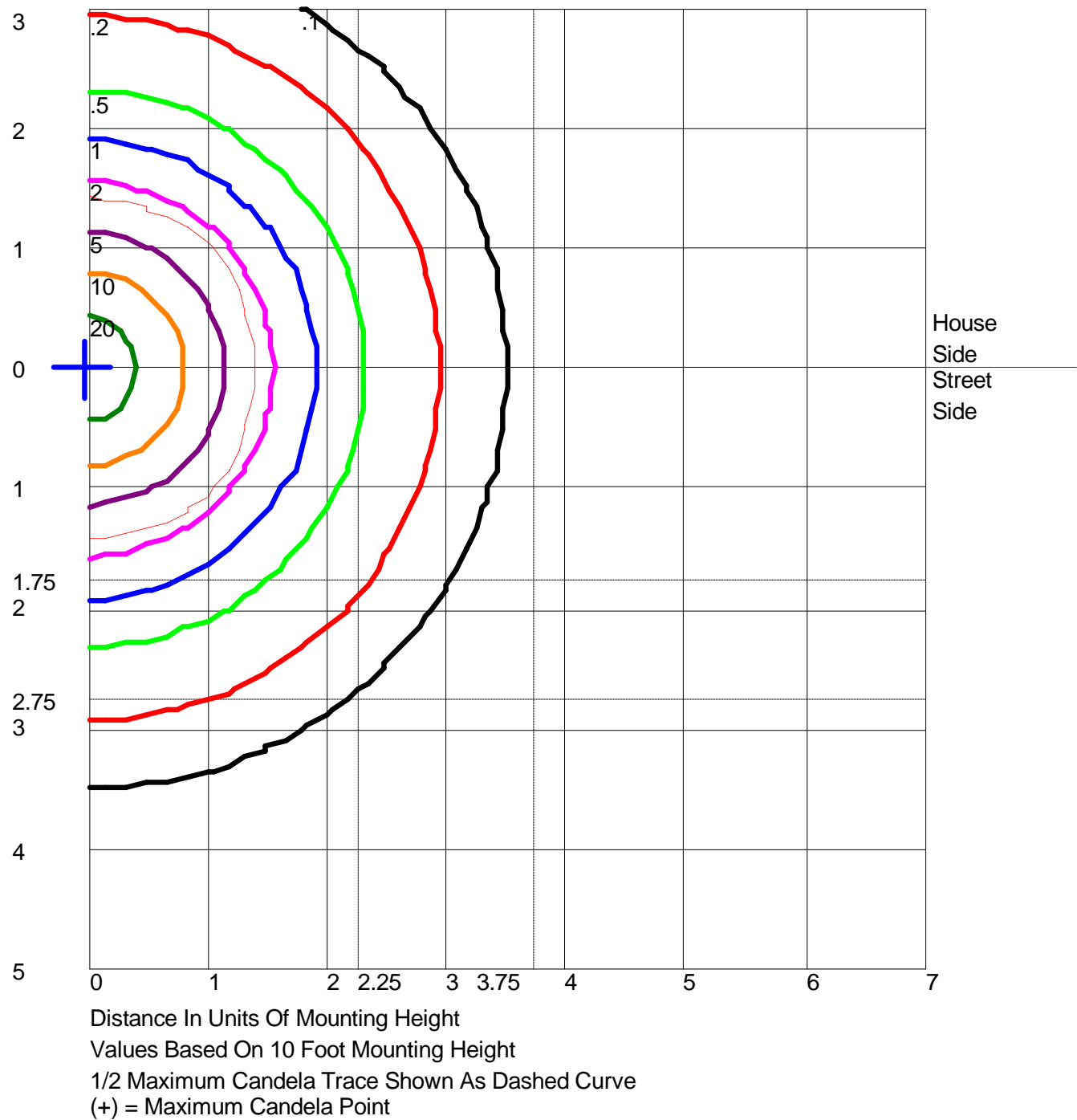
	Lumens	Percent Of Luminaire
Downward Street Side	3840.1	50.0
Downward House Side	3840.1	50.0
Downward Total	7680.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7680.2	100.0

POLAR GRAPH



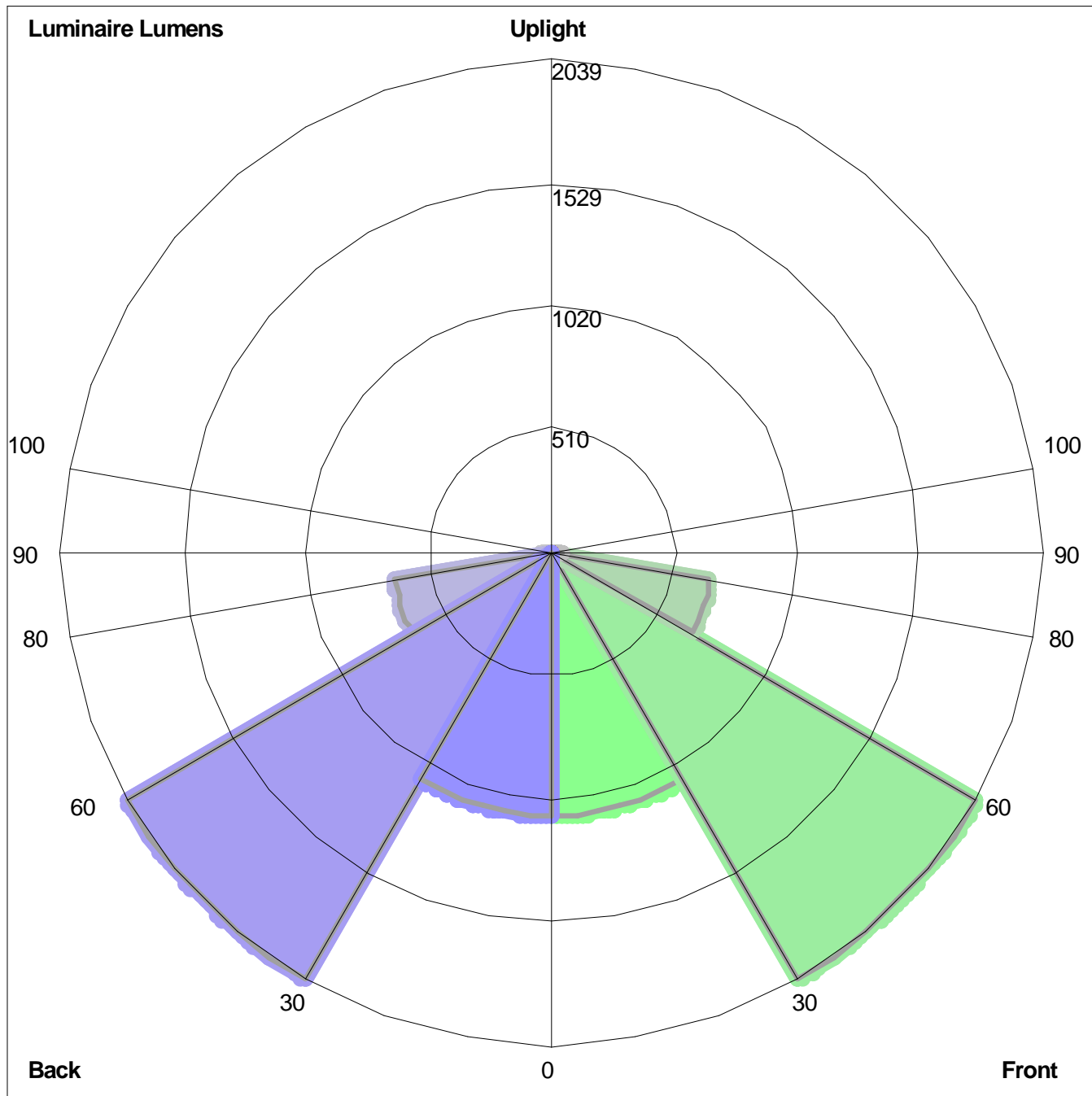
Maximum Candela = 2764.94 Located At Horizontal Angle = 270, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1089.9, Medium=2039.2, High=665.8, Very High=45.3  
Back: Low=1089.9, Medium=2039.2, High=665.8, Very High=45.3  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1