



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-10L-DA-W-30.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST]3367\_Scaled  
[TESTLAB]LSI INDUSTRIES, INC  
[TESTDATE]3/19/2018  
[ISSUEDATE]7/10/2018  
[MANUFAC]LSI INDUSTRIES, INC  
[LUMCAT]WCP-10L-DA-W-30  
[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	9691
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3488.939
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	3488.939
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	309.749 (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)	1375.2	N.A.	14.2
FM - Front-Medium (30-60)	2573.2	N.A.	26.6
FH - Front-High (60-80)	840.1	N.A.	8.7
FVH - Front-Very High (80-90)	57.2	N.A.	0.6
BL - Back-Low (0-30)	1375.2	N.A.	14.2
BM - Back-Medium (30-60)	2573.2	N.A.	26.6
BH - Back-High (60-80)	840.1	N.A.	8.7
BVH - Back-Very High (80-90)	57.2	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	9691.4	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>	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884
<b>2.5</b>	3485.206	3481.009	3481.588	3482.890	3488.939	3482.890	3481.588	3481.009	3485.206	3481.009
<b>5.0</b>	3472.356	3469.433	3472.125	3472.790	3476.900	3472.790	3472.125	3469.433	3472.356	3469.433
<b>7.5</b>	3462.256	3460.201	3457.915	3453.545	3454.702	3453.545	3457.915	3460.201	3462.256	3460.201
<b>10.0</b>	3450.188	3446.975	3437.280	3420.784	3418.035	3420.784	3437.280	3446.975	3450.188	3446.975
<b>12.5</b>	3443.329	3433.547	3408.687	3382.467	3374.422	3382.467	3408.687	3433.547	3443.329	3433.547
<b>15.0</b>	3429.640	3415.025	3378.937	3339.954	3327.944	3339.954	3378.937	3415.025	3429.640	3415.025
<b>17.5</b>	3405.388	3387.763	3346.436	3284.591	3270.815	3284.591	3346.436	3387.763	3405.388	3387.763
<b>20.0</b>	3368.026	3348.810	3311.129	3222.340	3210.417	3222.340	3311.129	3348.810	3368.026	3348.810
<b>22.5</b>	3311.071	3294.431	3261.583	3171.289	3165.356	3171.289	3261.583	3294.431	3311.071	3294.431
<b>25.0</b>	3234.611	3218.404	3194.789	3124.145	3123.451	3124.145	3194.789	3218.404	3234.611	3218.404
<b>27.5</b>	3150.857	3134.245	3122.640	3079.027	3082.413	3079.027	3122.640	3134.245	3150.857	3134.245
<b>30.0</b>	3056.425	3046.556	3046.238	3032.259	3023.722	3032.259	3046.238	3046.556	3056.425	3046.556
<b>32.5</b>	2949.316	2946.104	2965.725	2963.700	2925.788	2963.700	2965.725	2946.104	2949.316	2946.104
<b>35.0</b>	2824.930	2818.592	2883.187	2861.395	2804.238	2861.395	2883.187	2818.592	2824.930	2818.592
<b>37.5</b>	2698.721	2673.862	2780.044	2740.656	2700.458	2740.656	2780.044	2673.862	2698.721	2673.862
<b>40.0</b>	2588.950	2548.897	2653.314	2630.335	2605.475	2630.335	2653.314	2548.897	2588.950	2548.897
<b>42.5</b>	2482.884	2431.457	2512.548	2521.230	2497.354	2521.230	2512.548	2431.457	2482.884	2431.457
<b>45.0</b>	2366.688	2320.499	2361.681	2396.555	2362.058	2396.555	2361.681	2320.499	2366.688	2320.499
<b>47.5</b>	2221.349	2201.062	2219.295	2245.138	2199.586	2245.138	2219.295	2201.062	2221.349	2201.062
<b>50.0</b>	2057.402	2055.666	2082.088	2072.885	2026.523	2072.885	2082.088	2055.666	2057.402	2055.666
<b>52.5</b>	1890.300	1896.175	1940.454	1895.857	1858.755	1895.857	1940.454	1896.175	1890.300	1896.175
<b>55.0</b>	1735.238	1733.733	1779.921	1724.761	1703.982	1724.761	1779.921	1733.733	1735.238	1733.733
<b>57.5</b>	1581.709	1574.416	1601.822	1566.891	1548.688	1566.891	1601.822	1574.416	1581.709	1574.416
<b>60.0</b>	1424.504	1420.540	1421.784	1410.295	1391.918	1410.295	1421.784	1420.540	1424.504	1420.540
<b>62.5</b>	1261.975	1264.811	1252.685	1253.611	1239.836	1253.611	1252.685	1264.811	1261.975	1264.811
<b>65.0</b>	1092.963	1103.266	1099.677	1103.295	1094.700	1103.295	1099.677	1103.266	1092.963	1103.266
<b>67.5</b>	943.081	948.435	956.249	958.651	951.589	958.651	956.249	948.435	943.081	948.435
<b>70.0</b>	806.743	806.222	818.174	822.776	821.618	822.776	818.174	806.222	806.743	806.222
<b>72.5</b>	684.122	679.810	688.232	694.859	690.142	694.859	688.232	679.810	684.122	679.810
<b>75.0</b>	557.363	555.598	567.000	565.814	557.508	565.814	567.000	555.598	557.363	555.598
<b>77.5</b>	406.352	413.906	449.039	427.623	407.105	427.623	449.039	413.906	406.352	413.906
<b>80.0</b>	272.329	277.104	309.749	289.028	271.692	289.028	309.749	277.104	272.329	277.104
<b>82.5</b>	158.478	165.771	171.617	173.324	157.667	173.324	171.617	165.771	158.478	165.771
<b>85.0</b>	72.438	81.323	84.188	85.229	75.650	85.229	84.188	81.323	72.438	81.323
<b>87.5</b>	22.921	28.767	30.822	30.098	26.567	30.098	30.822	28.767	22.921	28.767
<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

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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**

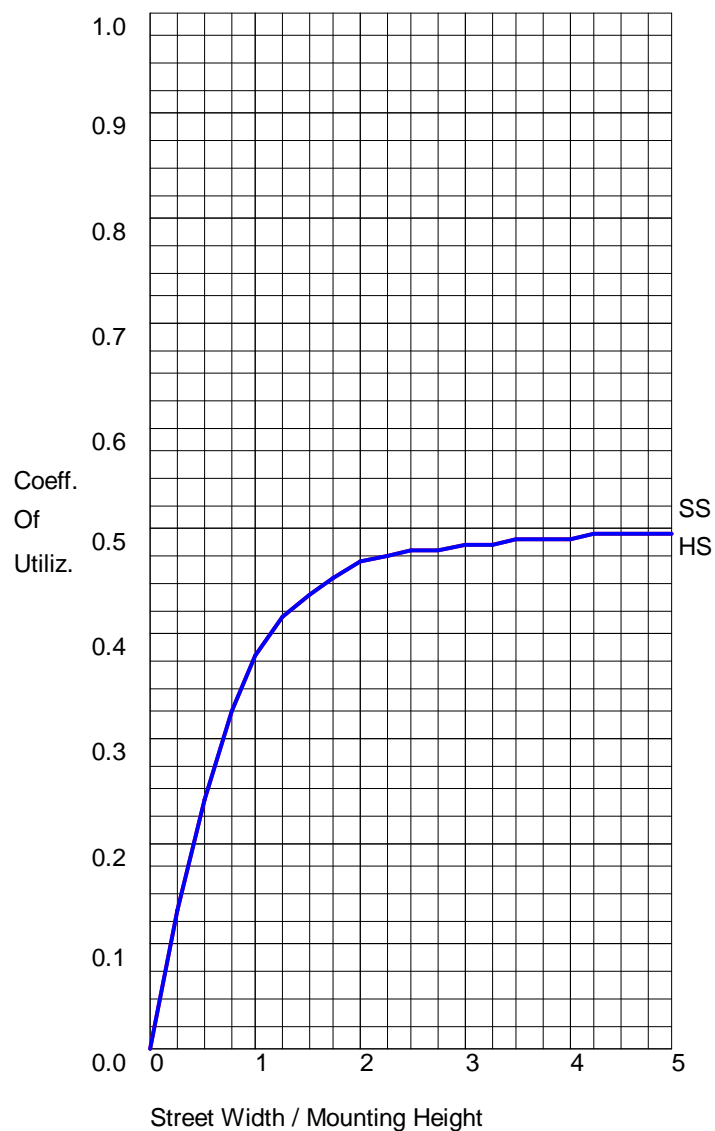
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884	3486.884
2.5	3481.588	3482.890	3488.939	3482.890	3481.588	3481.009	3485.206
5.0	3472.125	3472.790	3476.900	3472.790	3472.125	3469.433	3472.356
7.5	3457.915	3453.545	3454.702	3453.545	3457.915	3460.201	3462.256
10.0	3437.280	3420.784	3418.035	3420.784	3437.280	3446.975	3450.188
12.5	3408.687	3382.467	3374.422	3382.467	3408.687	3433.547	3443.329
15.0	3378.937	3339.954	3327.944	3339.954	3378.937	3415.025	3429.640
17.5	3346.436	3284.591	3270.815	3284.591	3346.436	3387.763	3405.388
20.0	3311.129	3222.340	3210.417	3222.340	3311.129	3348.810	3368.026
22.5	3261.583	3171.289	3165.356	3171.289	3261.583	3294.431	3311.071
25.0	3194.789	3124.145	3123.451	3124.145	3194.789	3218.404	3234.611
27.5	3122.640	3079.027	3082.413	3079.027	3122.640	3134.245	3150.857
30.0	3046.238	3032.259	3023.722	3032.259	3046.238	3046.556	3056.425
32.5	2965.725	2963.700	2925.788	2963.700	2965.725	2946.104	2949.316
35.0	2883.187	2861.395	2804.238	2861.395	2883.187	2818.592	2824.930
37.5	2780.044	2740.656	2700.458	2740.656	2780.044	2673.862	2698.721
40.0	2653.314	2630.335	2605.475	2630.335	2653.314	2548.897	2588.950
42.5	2512.548	2521.230	2497.354	2521.230	2512.548	2431.457	2482.884
45.0	2361.681	2396.555	2362.058	2396.555	2361.681	2320.499	2366.688
47.5	2219.295	2245.138	2199.586	2245.138	2219.295	2201.062	2221.349
50.0	2082.088	2072.885	2026.523	2072.885	2082.088	2055.666	2057.402
52.5	1940.454	1895.857	1858.755	1895.857	1940.454	1896.175	1890.300
55.0	1779.921	1724.761	1703.982	1724.761	1779.921	1733.733	1735.238
57.5	1601.822	1566.891	1548.688	1566.891	1601.822	1574.416	1581.709
60.0	1421.784	1410.295	1391.918	1410.295	1421.784	1420.540	1424.504
62.5	1252.685	1253.611	1239.836	1253.611	1252.685	1264.811	1261.975
65.0	1099.677	1103.295	1094.700	1103.295	1099.677	1103.266	1092.963
67.5	956.249	958.651	951.589	958.651	956.249	948.435	943.081
70.0	818.174	822.776	821.618	822.776	818.174	806.222	806.743
72.5	688.232	694.859	690.142	694.859	688.232	679.810	684.122
75.0	567.000	565.814	557.508	565.814	567.000	555.598	557.363
77.5	449.039	427.623	407.105	427.623	449.039	413.906	406.352

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

80.0	309.749	289.028	271.692	289.028	309.749	277.104	272.329
82.5	171.617	173.324	157.667	173.324	171.617	165.771	158.478
85.0	84.188	85.229	75.650	85.229	84.188	81.323	72.438
87.5	30.822	30.098	26.567	30.098	30.822	28.767	22.921
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

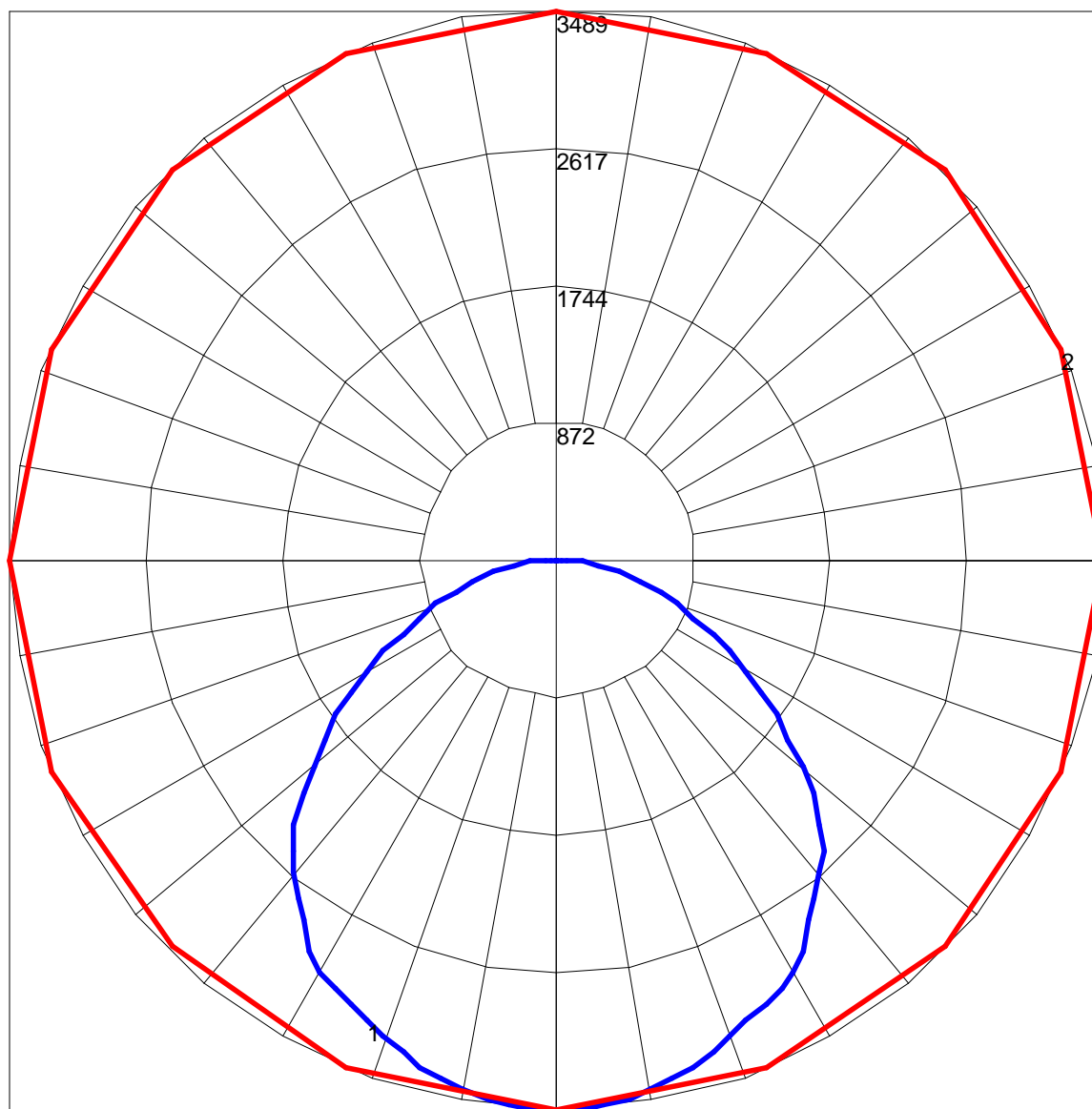
# COEFFICIENTS OF UTILIZATION



# FLUX DISTRIBUTION

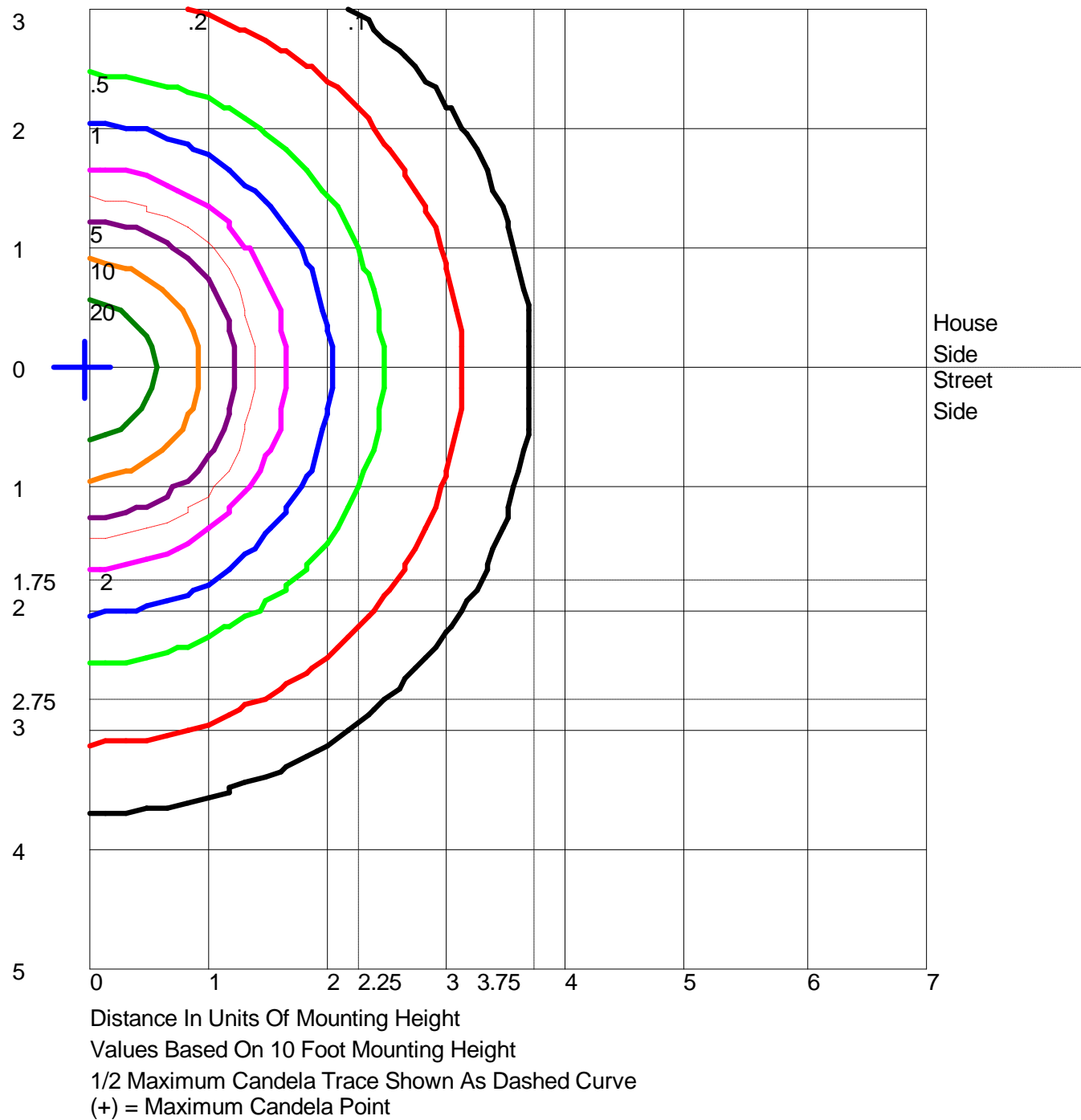
	Lumens	Percent Of Luminaire
Downward Street Side	4845.6	50.0
Downward House Side	4845.6	50.0
Downward Total	9691.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9691.2	100.0

POLAR GRAPH



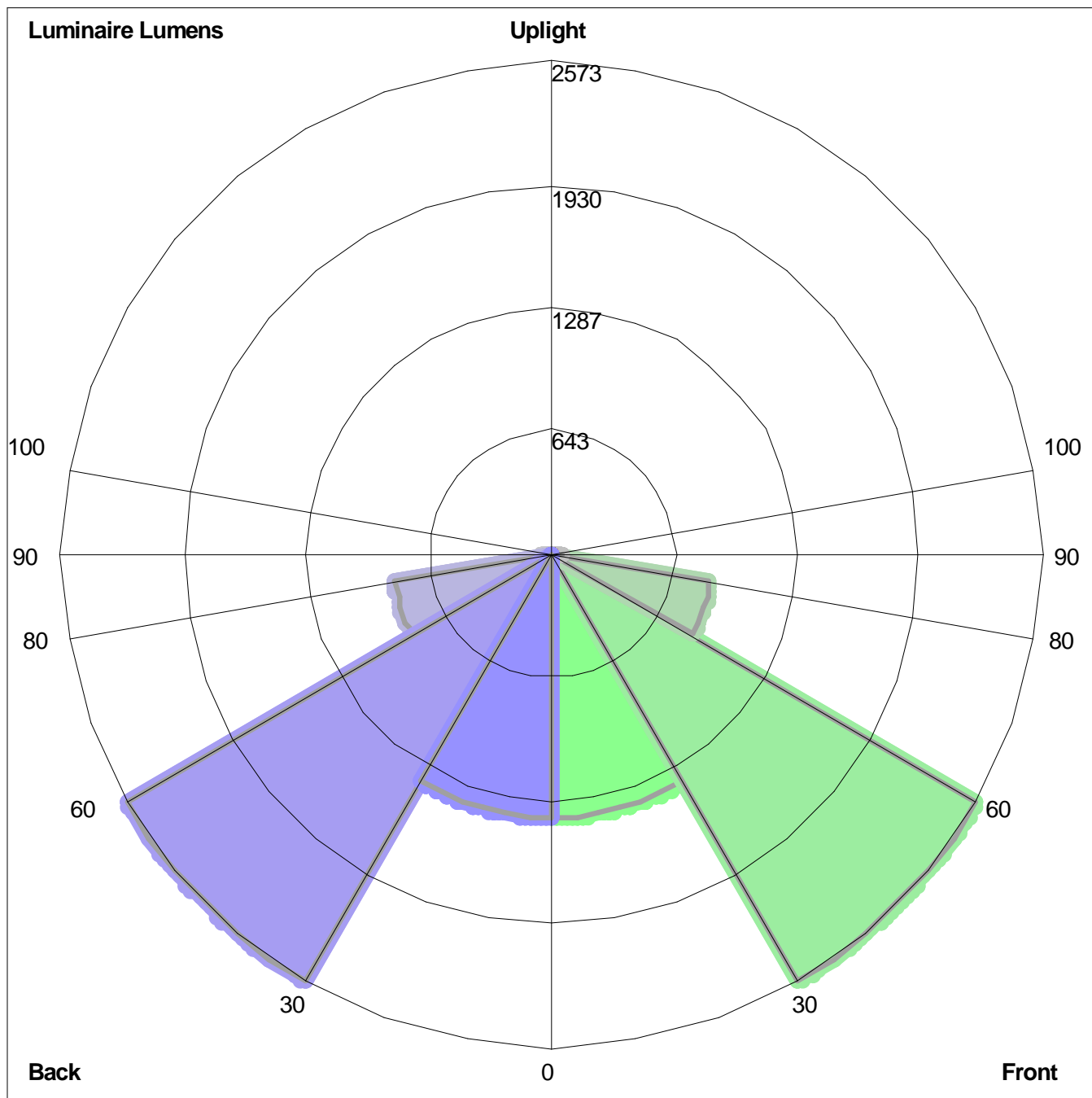
Maximum Candela = 3488.939 Located At Horizontal Angle = 270, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1375.2, Medium=2573.2, High=840.1, Very High=57.2  
Back: Low=1375.2, Medium=2573.2, High=840.1, Very High=57.2  
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1