



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-10L-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-10L-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	9821
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3535.739
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	3535.739
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	313.904 (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)	1393.7	N.A.	14.2
FM - Front-Medium (30-60)	2607.7	N.A.	26.6
FH - Front-High (60-80)	851.4	N.A.	8.7
FVH - Front-Very High (80-90)	57.9	N.A.	0.6
BL - Back-Low (0-30)	1393.7	N.A.	14.2
BM - Back-Medium (30-60)	2607.7	N.A.	26.6
BH - Back-High (60-80)	851.4	N.A.	8.7
BVH - Back-Very High (80-90)	57.9	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	9821.4	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	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656
2.5	3531.955	3527.703	3528.289	3529.609	3535.739	3529.609	3528.289	3527.703	3531.955	3527.703
5.0	3518.933	3515.971	3518.699	3519.373	3523.538	3519.373	3518.699	3515.971	3518.933	3515.971
7.5	3508.698	3506.615	3504.298	3499.870	3501.043	3499.870	3504.298	3506.615	3508.698	3506.615
10.0	3496.468	3493.212	3483.387	3466.670	3463.884	3466.670	3483.387	3493.212	3496.468	3493.212
12.5	3489.517	3479.604	3454.410	3427.839	3419.685	3427.839	3454.410	3479.604	3489.517	3479.604
15.0	3475.644	3460.833	3424.261	3384.755	3372.584	3384.755	3424.261	3460.833	3475.644	3460.833
17.5	3451.067	3433.206	3391.325	3328.649	3314.689	3328.649	3391.325	3433.206	3451.067	3433.206
20.0	3413.204	3393.730	3355.544	3265.564	3253.480	3265.564	3355.544	3393.730	3413.204	3393.730
22.5	3355.485	3338.621	3305.333	3213.828	3207.816	3213.828	3305.333	3338.621	3355.485	3338.621
25.0	3277.999	3261.575	3237.643	3166.052	3165.348	3166.052	3237.643	3261.575	3277.999	3261.575
27.5	3193.122	3176.287	3164.527	3120.328	3123.760	3120.328	3164.527	3176.287	3193.122	3176.287
30.0	3097.423	3087.422	3087.099	3072.933	3064.281	3072.933	3087.099	3087.422	3097.423	3087.422
32.5	2988.878	2985.622	3005.507	3003.454	2965.033	3003.454	3005.507	2985.622	2988.878	2985.622
35.0	2862.823	2856.400	2921.862	2899.777	2841.853	2899.777	2921.862	2856.400	2862.823	2856.400
37.5	2734.921	2709.728	2817.335	2777.418	2736.681	2777.418	2817.335	2709.728	2734.921	2709.728
40.0	2623.678	2583.087	2688.905	2665.618	2640.424	2665.618	2688.905	2583.087	2623.678	2583.087
42.5	2516.188	2464.072	2546.250	2555.049	2530.853	2555.049	2546.250	2464.072	2516.188	2464.072
45.0	2398.434	2351.626	2393.360	2428.701	2393.742	2428.701	2393.360	2351.626	2398.434	2351.626
47.5	2251.146	2230.587	2249.064	2275.254	2229.091	2275.254	2249.064	2230.587	2251.146	2230.587
50.0	2084.999	2083.240	2110.017	2100.690	2053.706	2100.690	2110.017	2083.240	2084.999	2083.240
52.5	1915.656	1921.610	1966.483	1921.287	1883.688	1921.287	1966.483	1921.610	1915.656	1921.610
55.0	1758.513	1756.988	1803.797	1747.897	1726.839	1747.897	1803.797	1756.988	1758.513	1756.988
57.5	1602.925	1595.534	1623.309	1587.909	1569.461	1587.909	1623.309	1595.534	1602.925	1595.534
60.0	1443.612	1439.594	1440.855	1429.212	1410.588	1429.212	1440.855	1439.594	1443.612	1439.594
62.5	1278.903	1281.777	1269.488	1270.427	1256.467	1270.427	1269.488	1281.777	1278.903	1281.777
65.0	1107.624	1118.065	1114.428	1118.094	1109.384	1118.094	1114.428	1118.065	1107.624	1118.065
67.5	955.731	961.157	969.076	971.510	964.354	971.510	969.076	961.157	955.731	961.157
70.0	817.564	817.036	829.149	833.812	832.639	833.812	829.149	817.036	817.564	817.036
72.5	693.299	688.929	697.463	704.180	699.399	704.180	697.463	688.929	693.299	688.929
75.0	564.839	563.050	574.606	573.403	564.986	573.403	574.606	563.050	564.839	563.050
77.5	411.803	419.458	455.063	433.359	412.565	433.359	455.063	419.458	411.803	419.458
80.0	275.982	280.821	313.904	292.905	275.337	292.905	313.904	280.821	275.982	280.821
82.5	160.603	167.994	173.919	175.649	159.782	175.649	173.919	167.994	160.603	167.994
85.0	73.409	82.413	85.317	86.373	76.665	86.373	85.317	82.413	73.409	82.413
87.5	23.228	29.153	31.235	30.502	26.924	30.502	31.235	29.153	23.228	29.153
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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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**

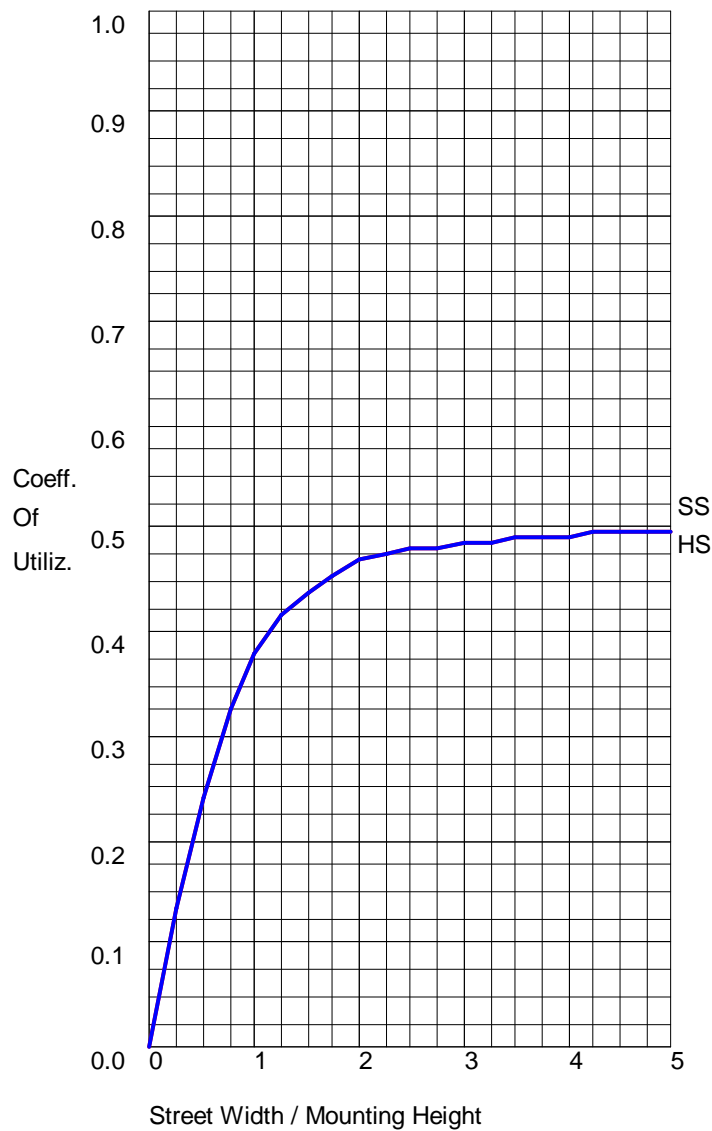
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656	3533.656
2.5	3528.289	3529.609	3535.739	3529.609	3528.289	3527.703	3531.955
5.0	3518.699	3519.373	3523.538	3519.373	3518.699	3515.971	3518.933
7.5	3504.298	3499.870	3501.043	3499.870	3504.298	3506.615	3508.698
10.0	3483.387	3466.670	3463.884	3466.670	3483.387	3493.212	3496.468
12.5	3454.410	3427.839	3419.685	3427.839	3454.410	3479.604	3489.517
15.0	3424.261	3384.755	3372.584	3384.755	3424.261	3460.833	3475.644
17.5	3391.325	3328.649	3314.689	3328.649	3391.325	3433.206	3451.067
20.0	3355.544	3265.564	3253.480	3265.564	3355.544	3393.730	3413.204
22.5	3305.333	3213.828	3207.816	3213.828	3305.333	3338.621	3355.485
25.0	3237.643	3166.052	3165.348	3166.052	3237.643	3261.575	3277.999
27.5	3164.527	3120.328	3123.760	3120.328	3164.527	3176.287	3193.122
30.0	3087.099	3072.933	3064.281	3072.933	3087.099	3087.422	3097.423
32.5	3005.507	3003.454	2965.033	3003.454	3005.507	2985.622	2988.878
35.0	2921.862	2899.777	2841.853	2899.777	2921.862	2856.400	2862.823
37.5	2817.335	2777.418	2736.681	2777.418	2817.335	2709.728	2734.921
40.0	2688.905	2665.618	2640.424	2665.618	2688.905	2583.087	2623.678
42.5	2546.250	2555.049	2530.853	2555.049	2546.250	2464.072	2516.188
45.0	2393.360	2428.701	2393.742	2428.701	2393.360	2351.626	2398.434
47.5	2249.064	2275.254	2229.091	2275.254	2249.064	2230.587	2251.146
50.0	2110.017	2100.690	2053.706	2100.690	2110.017	2083.240	2084.999
52.5	1966.483	1921.287	1883.688	1921.287	1966.483	1921.610	1915.656
55.0	1803.797	1747.897	1726.839	1747.897	1803.797	1756.988	1758.513
57.5	1623.309	1587.909	1569.461	1587.909	1623.309	1595.534	1602.925
60.0	1440.855	1429.212	1410.588	1429.212	1440.855	1439.594	1443.612
62.5	1269.488	1270.427	1256.467	1270.427	1269.488	1281.777	1278.903
65.0	1114.428	1118.094	1109.384	1118.094	1114.428	1118.065	1107.624
67.5	969.076	971.510	964.354	971.510	969.076	961.157	955.731
70.0	829.149	833.812	832.639	833.812	829.149	817.036	817.564
72.5	697.463	704.180	699.399	704.180	697.463	688.929	693.299
75.0	574.606	573.403	564.986	573.403	574.606	563.050	564.839
77.5	455.063	433.359	412.565	433.359	455.063	419.458	411.803

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

80.0	313.904	292.905	275.337	292.905	313.904	280.821	275.982
82.5	173.919	175.649	159.782	175.649	173.919	167.994	160.603
85.0	85.317	86.373	76.665	86.373	85.317	82.413	73.409
87.5	31.235	30.502	26.924	30.502	31.235	29.153	23.228
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

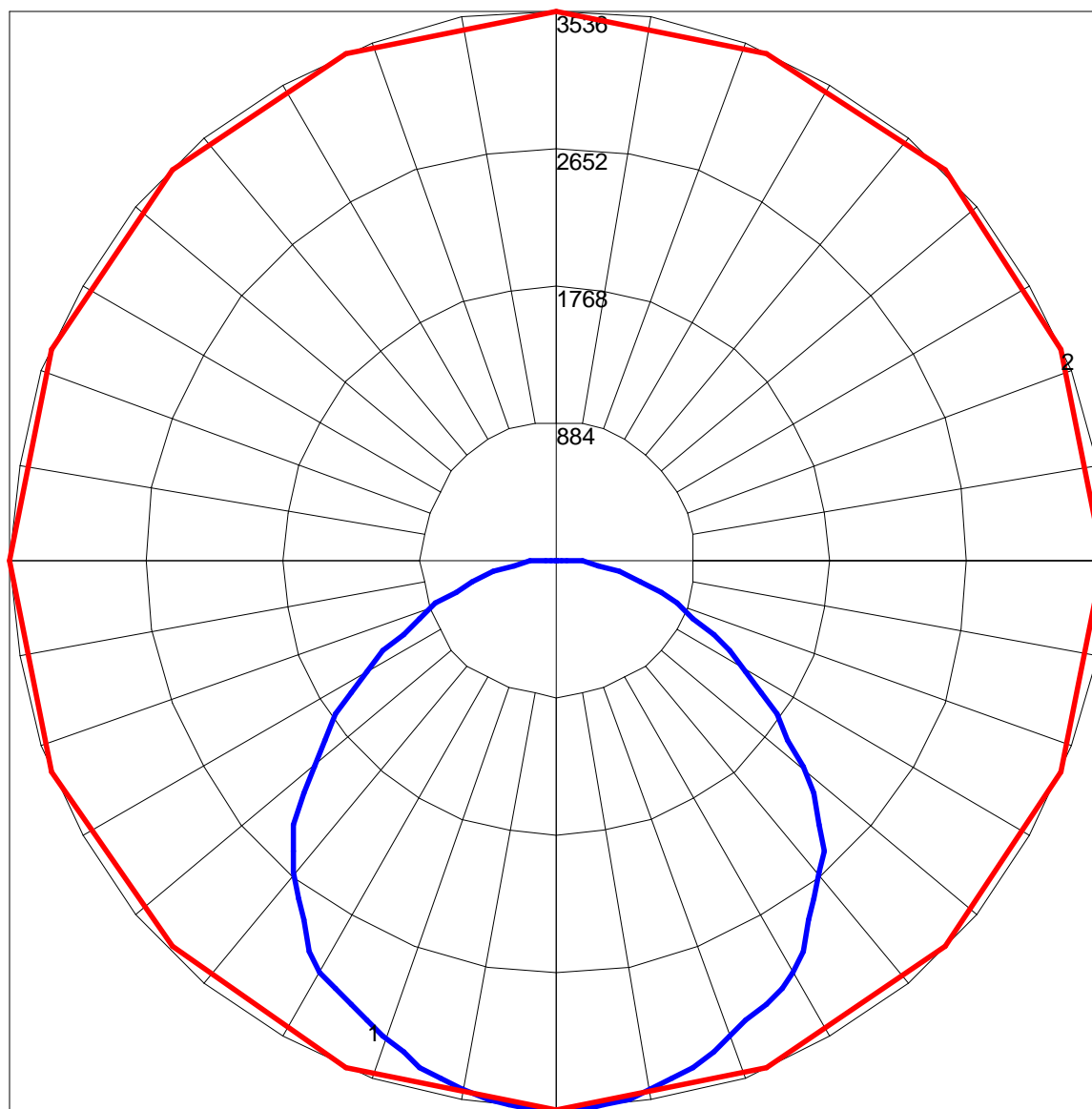
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	4910.6	50.0
Downward House Side	4910.6	50.0
Downward Total	9821.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	9821.2	100.0

POLAR GRAPH

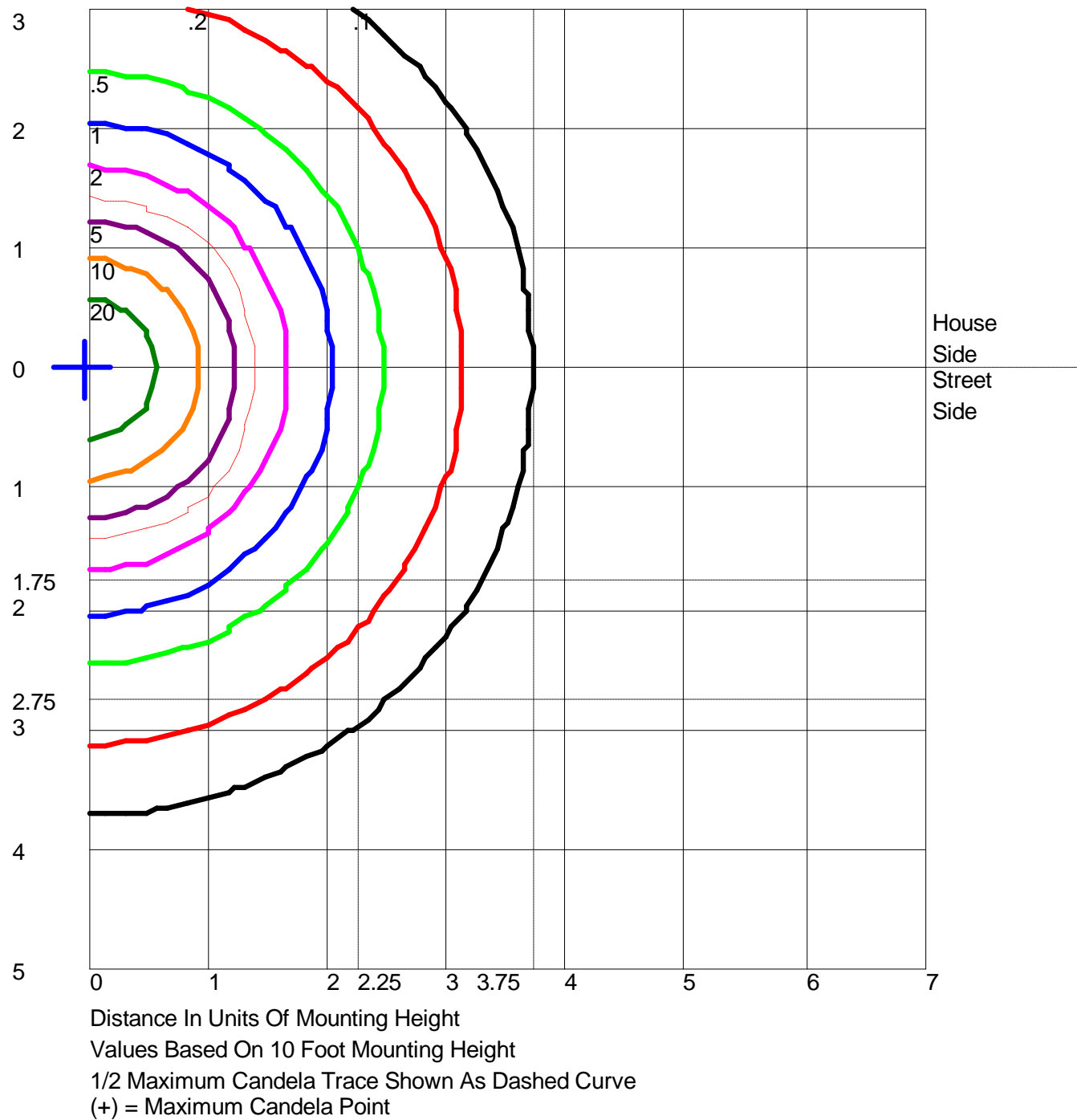


Maximum Candela = 3535.739 Located At Horizontal Angle = 270, Vertical Angle = 2.5

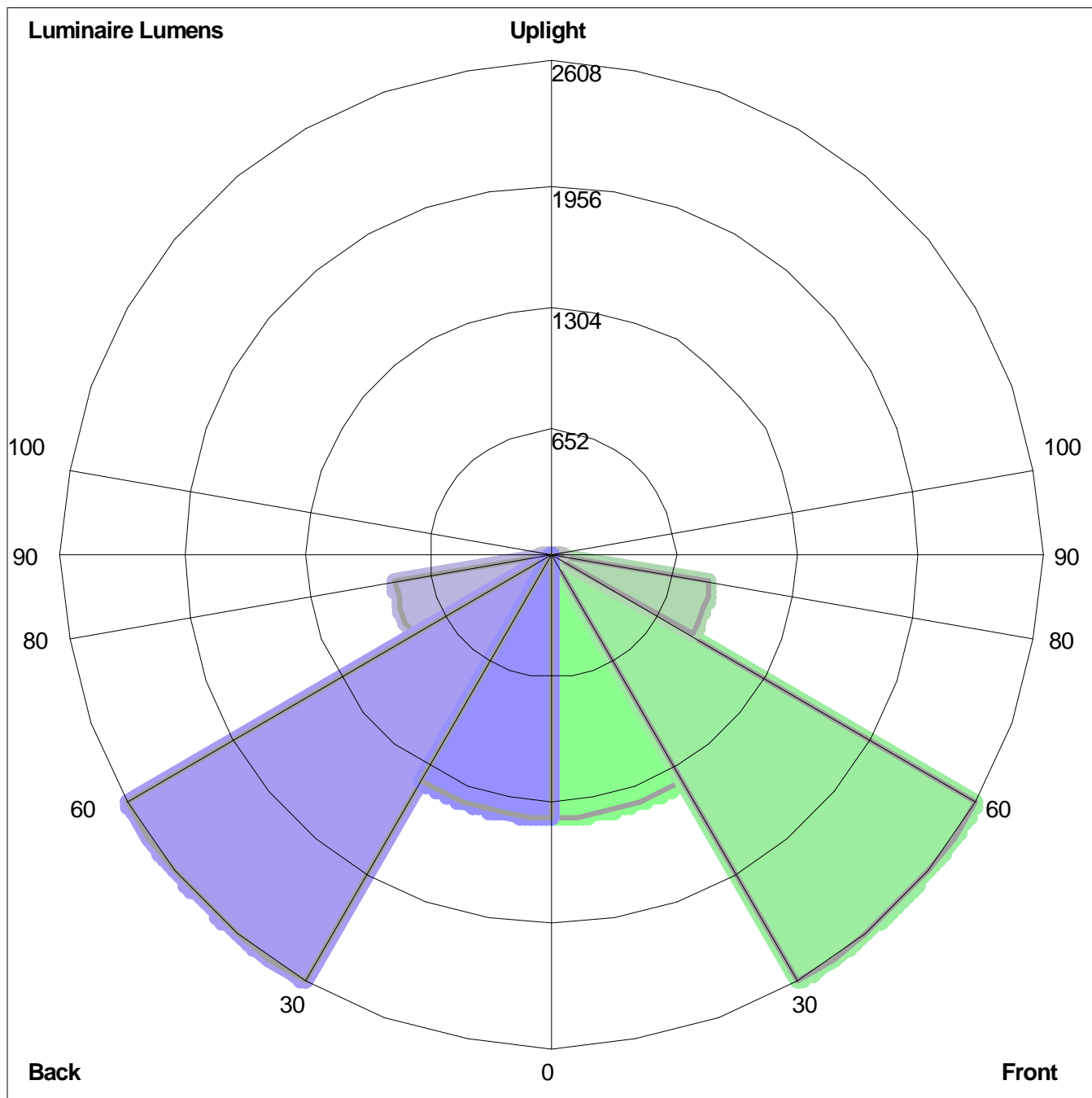
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

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=1393.7, Medium=2607.7, High=851.4, Very High=57.9
Back: Low=1393.7, Medium=2607.7, High=851.4, Very High=57.9
Uplight: Low=0.0, High=0.0

BUG Rating : B3-U0-G1