



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-05L-DA-W-40.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-05L-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	5452
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1962.82
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	1962.82
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	174.26 (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)	773.7	N.A.	14.2
FM - Front-Medium (30-60)	1447.6	N.A.	26.6
FH - Front-High (60-80)	472.6	N.A.	8.7
FVH - Front-Very High (80-90)	32.2	N.A.	0.6
BL - Back-Low (0-30)	773.7	N.A.	14.2
BM - Back-Medium (30-60)	1447.6	N.A.	26.6
BH - Back-High (60-80)	472.6	N.A.	8.7
BVH - Back-Very High (80-90)	32.2	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	5452.2	N.A.	100.0
BUG Rating	B2-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	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664
2.5	1960.720	1958.359	1958.685	1959.418	1962.820	1959.418	1958.685	1958.359	1960.720	1958.359
5.0	1953.491	1951.847	1953.361	1953.735	1956.047	1953.735	1953.361	1951.847	1953.491	1951.847
7.5	1947.809	1946.653	1945.367	1942.908	1943.560	1942.908	1945.367	1946.653	1947.809	1946.653
10.0	1941.020	1939.212	1933.758	1924.478	1922.931	1924.478	1933.758	1939.212	1941.020	1939.212
12.5	1937.161	1931.658	1917.672	1902.921	1898.395	1902.921	1917.672	1931.658	1937.161	1931.658
15.0	1929.460	1921.238	1900.935	1879.004	1872.247	1879.004	1900.935	1921.238	1929.460	1921.238
17.5	1915.816	1905.901	1882.651	1847.857	1840.108	1847.857	1882.651	1905.901	1915.816	1905.901
20.0	1894.797	1883.986	1862.788	1812.836	1806.128	1812.836	1862.788	1883.986	1894.797	1883.986
22.5	1862.755	1853.393	1834.914	1784.116	1780.778	1784.116	1834.914	1853.393	1862.755	1853.393
25.0	1819.739	1810.622	1797.336	1757.593	1757.203	1757.593	1797.336	1810.622	1819.739	1810.622
27.5	1772.621	1763.276	1756.747	1732.211	1734.116	1732.211	1756.747	1763.276	1772.621	1763.276
30.0	1719.495	1713.943	1713.764	1705.900	1701.097	1705.900	1713.764	1713.943	1719.495	1713.943
32.5	1659.237	1657.430	1668.469	1667.329	1646.001	1667.329	1668.469	1657.430	1659.237	1657.430
35.0	1589.260	1585.694	1622.034	1609.775	1577.619	1609.775	1622.034	1585.694	1589.260	1585.694
37.5	1518.257	1504.271	1564.008	1541.849	1519.234	1541.849	1564.008	1504.271	1518.257	1504.271
40.0	1456.501	1433.968	1492.711	1479.784	1465.798	1479.784	1492.711	1433.968	1456.501	1433.968
42.5	1396.830	1367.898	1413.519	1418.403	1404.971	1418.403	1413.519	1367.898	1396.830	1367.898
45.0	1331.460	1305.475	1328.644	1348.263	1328.855	1348.263	1328.644	1305.475	1331.460	1305.475
47.5	1249.695	1238.282	1248.539	1263.078	1237.452	1263.078	1248.539	1238.282	1249.695	1238.282
50.0	1157.461	1156.484	1171.349	1166.172	1140.089	1166.172	1171.349	1156.484	1157.461	1156.484
52.5	1063.452	1066.757	1091.668	1066.578	1045.705	1066.578	1091.668	1066.757	1063.452	1066.757
55.0	976.216	975.370	1001.355	970.323	958.633	970.323	1001.355	975.370	976.216	975.370
57.5	889.844	885.741	901.159	881.508	871.267	881.508	901.159	885.741	889.844	885.741
60.0	801.403	799.173	799.873	793.409	783.070	793.409	799.873	799.173	801.403	799.173
62.5	709.967	711.562	704.740	705.261	697.511	705.261	704.740	711.562	709.967	711.562
65.0	614.883	620.680	618.661	620.696	615.860	620.696	618.661	620.680	614.883	620.680
67.5	530.562	533.574	537.970	539.321	535.349	539.321	537.970	533.574	530.562	533.574
70.0	453.860	453.567	460.291	462.880	462.229	462.880	460.291	453.567	453.860	453.567
72.5	384.876	382.450	387.188	390.916	388.263	390.916	387.188	382.450	384.876	382.450
75.0	313.563	312.570	318.985	318.318	313.645	318.318	318.985	312.570	313.563	312.570
77.5	228.607	232.857	252.622	240.574	229.030	240.574	252.622	232.857	228.607	232.857
80.0	153.208	155.894	174.260	162.602	152.850	162.602	174.260	155.894	153.208	155.894
82.5	89.157	93.260	96.549	97.509	88.701	97.509	96.549	93.260	89.157	93.260
85.0	40.752	45.751	47.363	47.949	42.560	47.949	47.363	45.751	40.752	45.751
87.5	12.895	16.184	17.340	16.933	14.946	16.933	17.340	16.184	12.895	16.184
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

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**

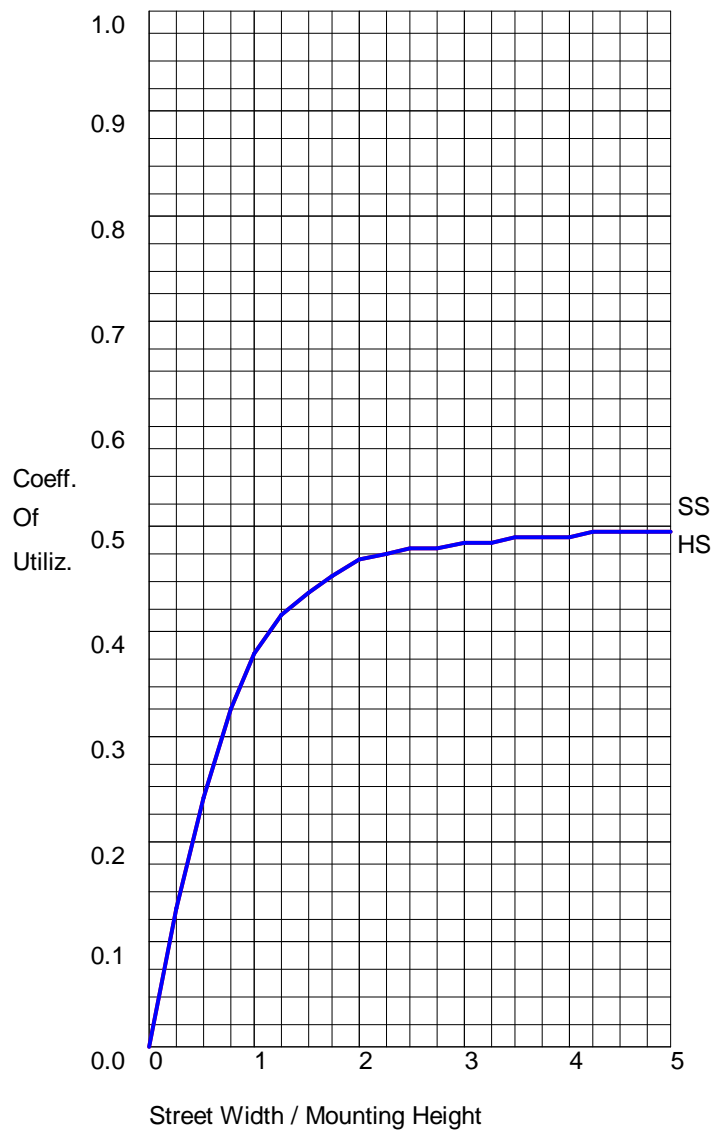
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664	1961.664
2.5	1958.685	1959.418	1962.820	1959.418	1958.685	1958.359	1960.720
5.0	1953.361	1953.735	1956.047	1953.735	1953.361	1951.847	1953.491
7.5	1945.367	1942.908	1943.560	1942.908	1945.367	1946.653	1947.809
10.0	1933.758	1924.478	1922.931	1924.478	1933.758	1939.212	1941.020
12.5	1917.672	1902.921	1898.395	1902.921	1917.672	1931.658	1937.161
15.0	1900.935	1879.004	1872.247	1879.004	1900.935	1921.238	1929.460
17.5	1882.651	1847.857	1840.108	1847.857	1882.651	1905.901	1915.816
20.0	1862.788	1812.836	1806.128	1812.836	1862.788	1883.986	1894.797
22.5	1834.914	1784.116	1780.778	1784.116	1834.914	1853.393	1862.755
25.0	1797.336	1757.593	1757.203	1757.593	1797.336	1810.622	1819.739
27.5	1756.747	1732.211	1734.116	1732.211	1756.747	1763.276	1772.621
30.0	1713.764	1705.900	1701.097	1705.900	1713.764	1713.943	1719.495
32.5	1668.469	1667.329	1646.001	1667.329	1668.469	1657.430	1659.237
35.0	1622.034	1609.775	1577.619	1609.775	1622.034	1585.694	1589.260
37.5	1564.008	1541.849	1519.234	1541.849	1564.008	1504.271	1518.257
40.0	1492.711	1479.784	1465.798	1479.784	1492.711	1433.968	1456.501
42.5	1413.519	1418.403	1404.971	1418.403	1413.519	1367.898	1396.830
45.0	1328.644	1348.263	1328.855	1348.263	1328.644	1305.475	1331.460
47.5	1248.539	1263.078	1237.452	1263.078	1248.539	1238.282	1249.695
50.0	1171.349	1166.172	1140.089	1166.172	1171.349	1156.484	1157.461
52.5	1091.668	1066.578	1045.705	1066.578	1091.668	1066.757	1063.452
55.0	1001.355	970.323	958.633	970.323	1001.355	975.370	976.216
57.5	901.159	881.508	871.267	881.508	901.159	885.741	889.844
60.0	799.873	793.409	783.070	793.409	799.873	799.173	801.403
62.5	704.740	705.261	697.511	705.261	704.740	711.562	709.967
65.0	618.661	620.696	615.860	620.696	618.661	620.680	614.883
67.5	537.970	539.321	535.349	539.321	537.970	533.574	530.562
70.0	460.291	462.880	462.229	462.880	460.291	453.567	453.860
72.5	387.188	390.916	388.263	390.916	387.188	382.450	384.876
75.0	318.985	318.318	313.645	318.318	318.985	312.570	313.563
77.5	252.622	240.574	229.030	240.574	252.622	232.857	228.607

IES ROAD REPORT
PHOTOMETRIC FILENAME : WCP-05L-DA-W-40.IES

CANDELA TABULATION - (Cont.)

80.0	174.260	162.602	152.850	162.602	174.260	155.894	153.208
82.5	96.549	97.509	88.701	97.509	96.549	93.260	89.157
85.0	47.363	47.949	42.560	47.949	47.363	45.751	40.752
87.5	17.340	16.933	14.946	16.933	17.340	16.184	12.895
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

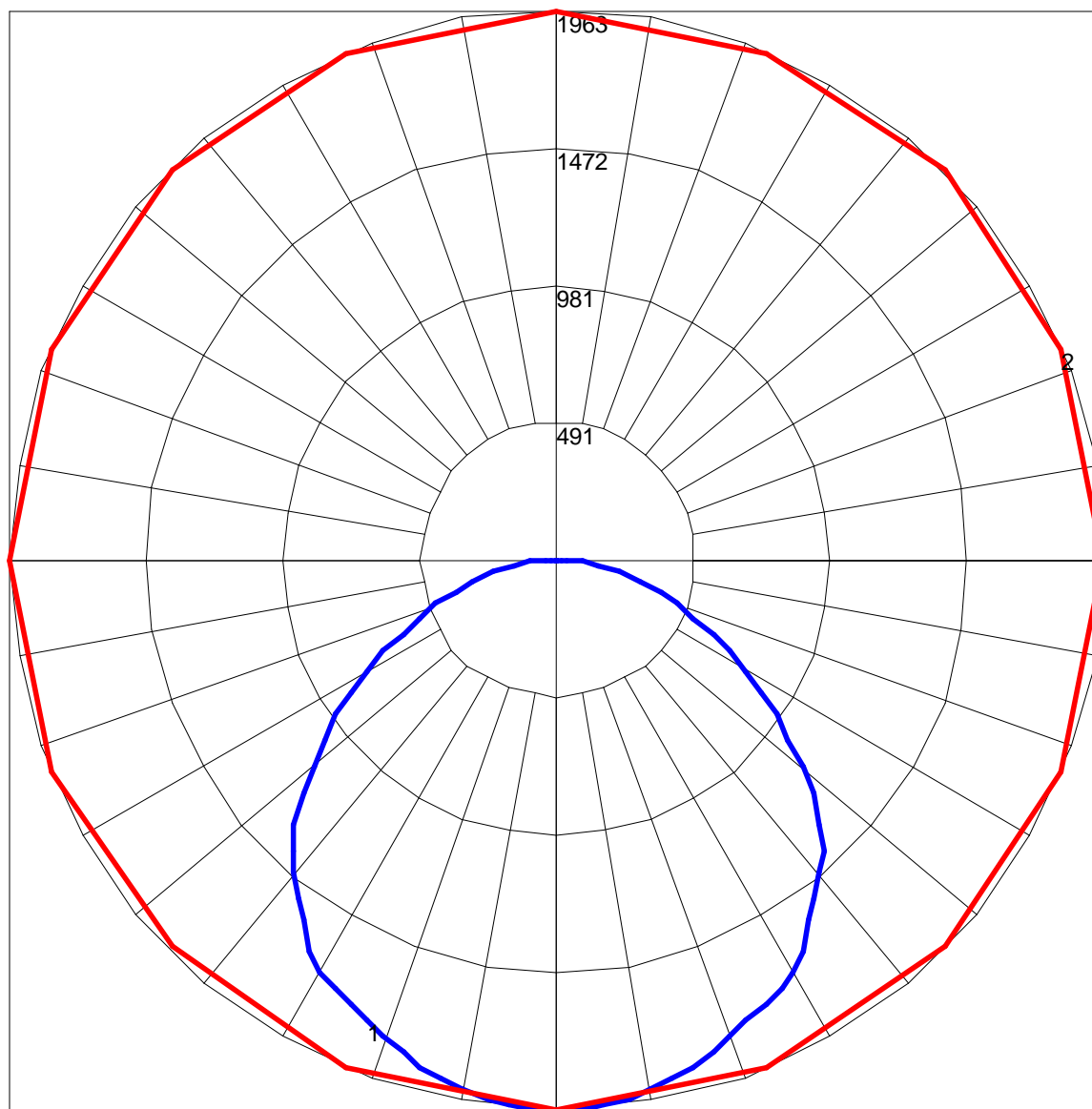
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

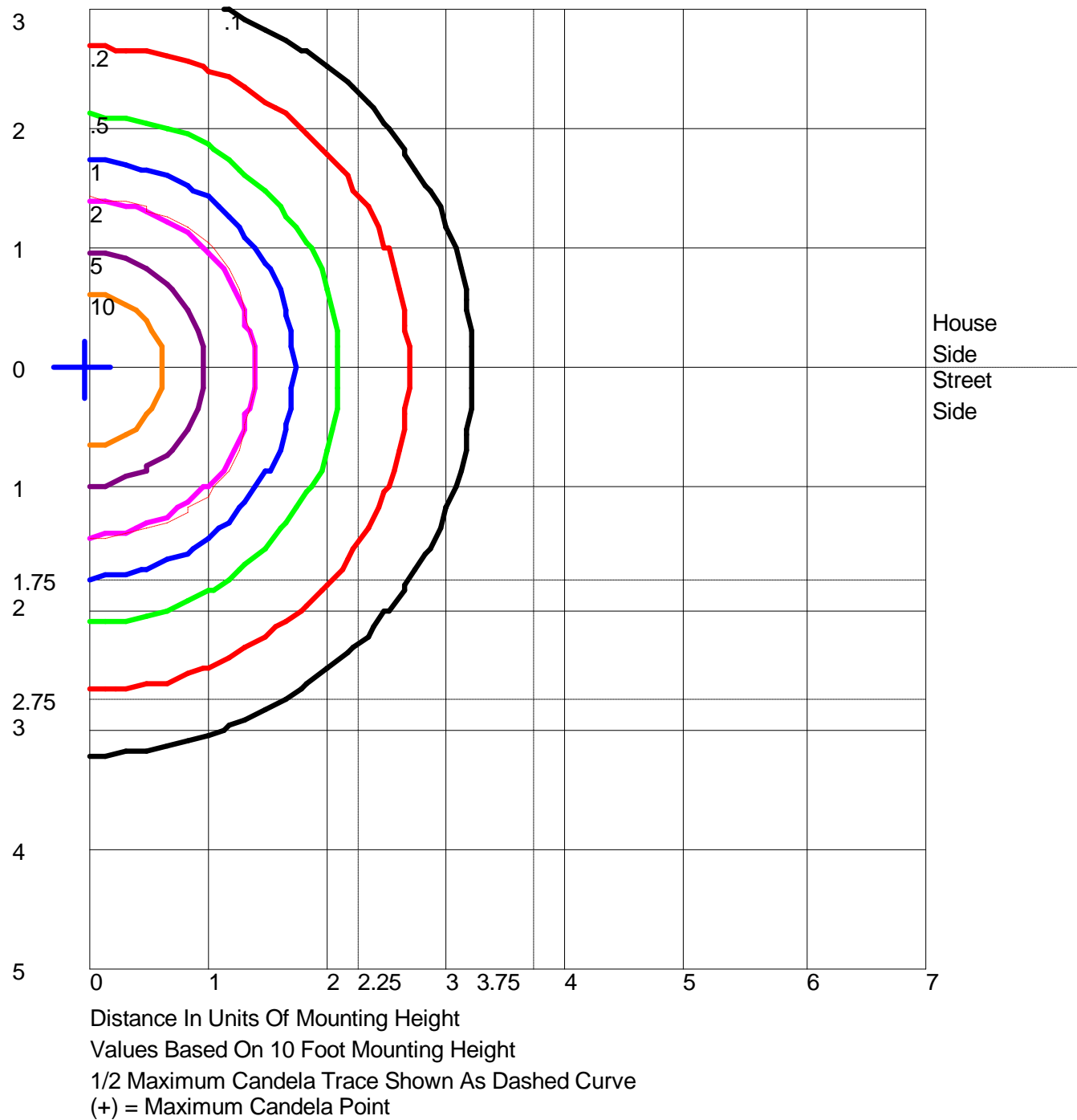
	Lumens	Percent Of Luminaire
Downward Street Side	2726.1	50.0
Downward House Side	2726.1	50.0
Downward Total	5452.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5452.2	100.0

POLAR GRAPH

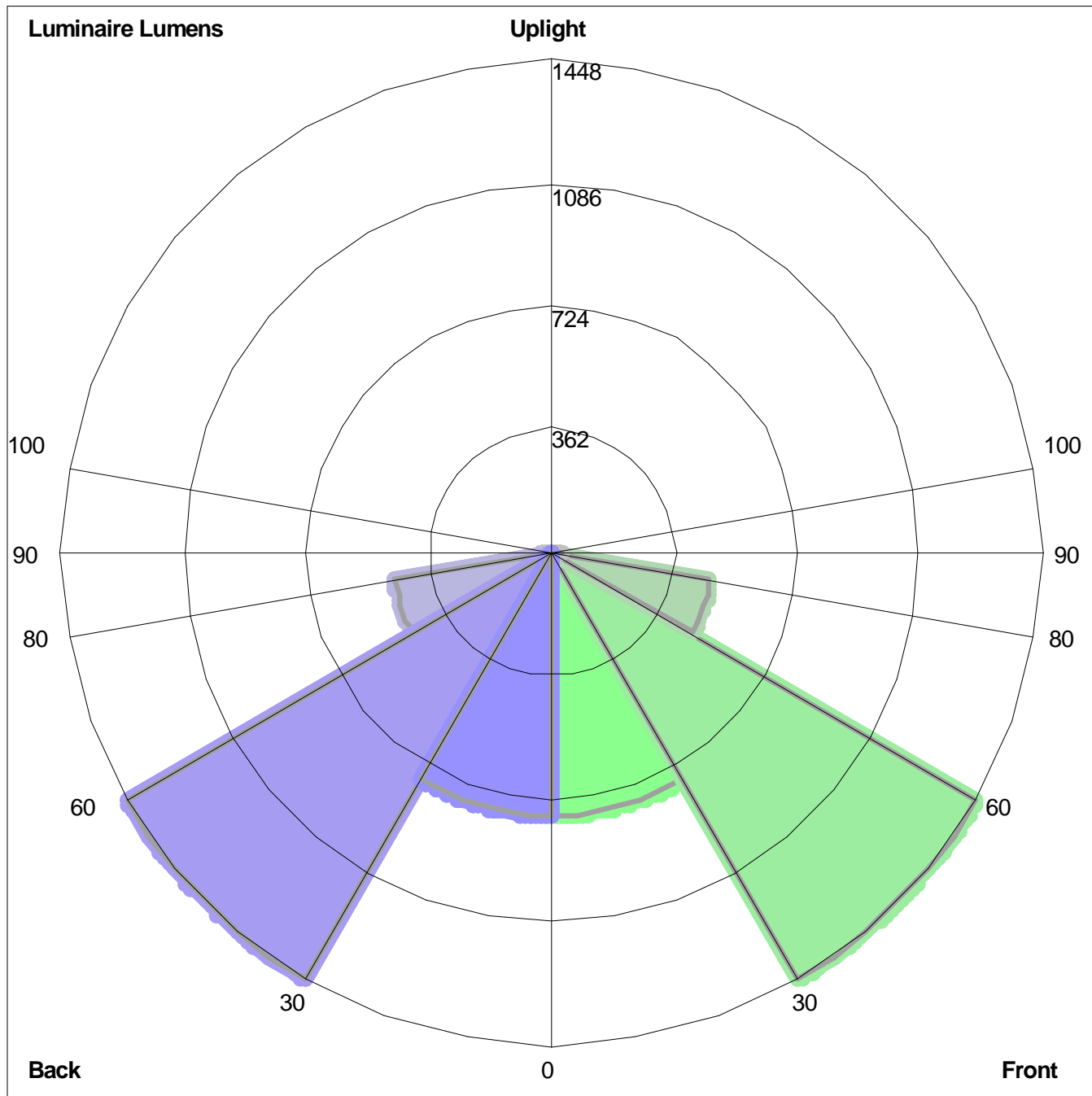


Maximum Candela = 1962.82 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=773.7, Medium=1447.6, High=472.6, Very High=32.2
Back: Low=773.7, Medium=1447.6, High=472.6, Very High=32.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1