



IES ROAD REPORT

PHOTOMETRIC FILENAME : WCP-05L-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-05L-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	5626
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	40
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2025.461
Maximum Candela Angle	270H 2.5V
Maximum Candela (<90 Degrees Vertical)	2025.461
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	179.821 (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)	798.4	N.A.	14.2
FM - Front-Medium (30-60)	1493.8	N.A.	26.6
FH - Front-High (60-80)	487.7	N.A.	8.7
FVH - Front-Very High (80-90)	33.2	N.A.	0.6
BL - Back-Low (0-30)	798.4	N.A.	14.2
BM - Back-Medium (30-60)	1493.8	N.A.	26.6
BH - Back-High (60-80)	487.7	N.A.	8.7
BVH - Back-Very High (80-90)	33.2	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	5626.2	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	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268
2.5	2023.294	2020.858	2021.194	2021.950	2025.461	2021.950	2021.194	2020.858	2023.294	2020.858
5.0	2015.834	2014.137	2015.700	2016.086	2018.472	2016.086	2015.700	2014.137	2015.834	2014.137
7.5	2009.971	2008.778	2007.451	2004.914	2005.586	2004.914	2007.451	2008.778	2009.971	2008.778
10.0	2002.965	2001.100	1995.472	1985.895	1984.299	1985.895	1995.472	2001.100	2002.965	2001.100
12.5	1998.983	1993.304	1978.872	1963.650	1958.980	1963.650	1978.872	1993.304	1998.983	1993.304
15.0	1991.036	1982.552	1961.601	1938.970	1931.997	1938.970	1961.601	1982.552	1991.036	1982.552
17.5	1976.957	1966.725	1942.733	1906.829	1898.832	1906.829	1942.733	1966.725	1976.957	1966.725
20.0	1955.267	1944.111	1922.236	1870.691	1863.768	1870.691	1922.236	1944.111	1955.267	1944.111
22.5	1922.202	1912.542	1893.473	1841.054	1837.609	1841.054	1893.473	1912.542	1922.202	1912.542
25.0	1877.814	1868.406	1854.696	1813.685	1813.281	1813.685	1854.696	1868.406	1877.814	1868.406
27.5	1829.192	1819.548	1812.811	1787.492	1789.458	1787.492	1812.811	1819.548	1829.192	1819.548
30.0	1774.370	1768.641	1768.456	1760.342	1755.385	1760.342	1768.456	1768.641	1774.370	1768.641
32.5	1712.190	1710.325	1721.716	1720.540	1698.531	1720.540	1721.716	1710.325	1712.190	1710.325
35.0	1639.979	1636.300	1673.800	1661.148	1627.966	1661.148	1673.800	1636.300	1639.979	1636.300
37.5	1566.710	1552.278	1613.921	1591.055	1567.718	1591.055	1613.921	1552.278	1566.710	1552.278
40.0	1502.984	1479.731	1540.349	1527.009	1512.577	1527.009	1540.349	1479.731	1502.984	1479.731
42.5	1441.408	1411.553	1458.629	1463.669	1449.809	1463.669	1458.629	1411.553	1441.408	1411.553
45.0	1373.952	1347.138	1371.046	1391.291	1371.264	1391.291	1371.046	1347.138	1373.952	1347.138
47.5	1289.578	1277.800	1288.385	1303.388	1276.943	1303.388	1288.385	1277.800	1289.578	1277.800
50.0	1194.400	1193.392	1208.731	1203.388	1176.473	1203.388	1208.731	1193.392	1194.400	1193.392
52.5	1097.391	1100.801	1126.507	1100.617	1079.078	1100.617	1126.507	1100.801	1097.391	1100.801
55.0	1007.371	1006.497	1033.312	1001.289	989.226	1001.289	1033.312	1006.497	1007.371	1006.497
57.5	918.242	914.008	929.919	909.640	899.072	909.640	929.919	914.008	918.242	914.008
60.0	826.979	824.677	825.400	818.730	808.061	818.730	825.400	824.677	826.979	824.677
62.5	732.624	734.271	727.231	727.769	719.772	727.769	727.231	734.271	732.624	734.271
65.0	634.507	640.488	638.404	640.505	635.515	640.505	638.404	640.488	634.507	640.488
67.5	547.494	550.602	555.139	556.533	552.434	556.533	555.139	550.602	547.494	550.602
70.0	468.345	468.042	474.981	477.652	476.980	477.652	474.981	468.042	468.345	468.042
72.5	397.159	394.655	399.545	403.392	400.653	403.392	399.545	394.655	397.159	394.655
75.0	323.570	322.546	329.165	328.476	323.654	328.476	329.165	322.546	323.570	322.546
77.5	235.903	240.288	260.684	248.252	236.340	248.252	260.684	240.288	235.903	240.288
80.0	158.097	160.870	179.821	167.792	157.728	167.792	179.821	160.870	158.097	160.870
82.5	92.002	96.236	99.630	100.621	91.532	100.621	99.630	96.236	92.002	96.236
85.0	42.053	47.211	48.874	49.479	43.918	49.479	48.874	47.211	42.053	47.211
87.5	13.306	16.700	17.893	17.473	15.423	17.473	17.893	16.700	13.306	16.700
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**

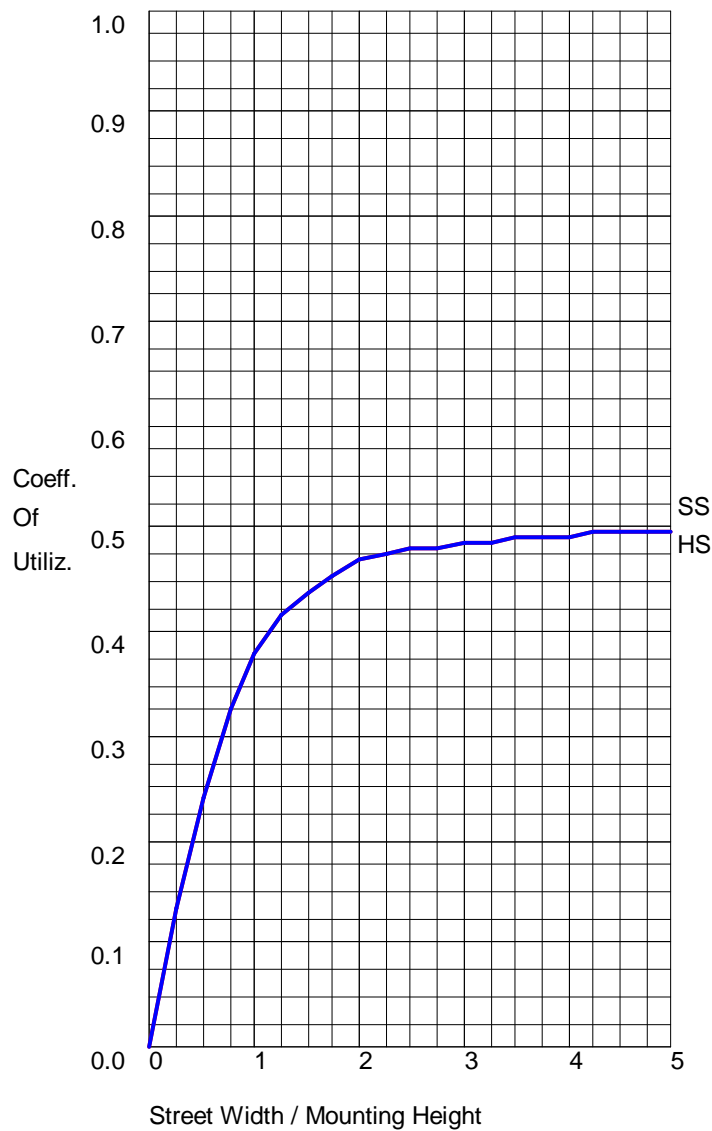
	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268	2024.268
2.5	2021.194	2021.950	2025.461	2021.950	2021.194	2020.858	2023.294
5.0	2015.700	2016.086	2018.472	2016.086	2015.700	2014.137	2015.834
7.5	2007.451	2004.914	2005.586	2004.914	2007.451	2008.778	2009.971
10.0	1995.472	1985.895	1984.299	1985.895	1995.472	2001.100	2002.965
12.5	1978.872	1963.650	1958.980	1963.650	1978.872	1993.304	1998.983
15.0	1961.601	1938.970	1931.997	1938.970	1961.601	1982.552	1991.036
17.5	1942.733	1906.829	1898.832	1906.829	1942.733	1966.725	1976.957
20.0	1922.236	1870.691	1863.768	1870.691	1922.236	1944.111	1955.267
22.5	1893.473	1841.054	1837.609	1841.054	1893.473	1912.542	1922.202
25.0	1854.696	1813.685	1813.281	1813.685	1854.696	1868.406	1877.814
27.5	1812.811	1787.492	1789.458	1787.492	1812.811	1819.548	1829.192
30.0	1768.456	1760.342	1755.385	1760.342	1768.456	1768.641	1774.370
32.5	1721.716	1720.540	1698.531	1720.540	1721.716	1710.325	1712.190
35.0	1673.800	1661.148	1627.966	1661.148	1673.800	1636.300	1639.979
37.5	1613.921	1591.055	1567.718	1591.055	1613.921	1552.278	1566.710
40.0	1540.349	1527.009	1512.577	1527.009	1540.349	1479.731	1502.984
42.5	1458.629	1463.669	1449.809	1463.669	1458.629	1411.553	1441.408
45.0	1371.046	1391.291	1371.264	1391.291	1371.046	1347.138	1373.952
47.5	1288.385	1303.388	1276.943	1303.388	1288.385	1277.800	1289.578
50.0	1208.731	1203.388	1176.473	1203.388	1208.731	1193.392	1194.400
52.5	1126.507	1100.617	1079.078	1100.617	1126.507	1100.801	1097.391
55.0	1033.312	1001.289	989.226	1001.289	1033.312	1006.497	1007.371
57.5	929.919	909.640	899.072	909.640	929.919	914.008	918.242
60.0	825.400	818.730	808.061	818.730	825.400	824.677	826.979
62.5	727.231	727.769	719.772	727.769	727.231	734.271	732.624
65.0	638.404	640.505	635.515	640.505	638.404	640.488	634.507
67.5	555.139	556.533	552.434	556.533	555.139	550.602	547.494
70.0	474.981	477.652	476.980	477.652	474.981	468.042	468.345
72.5	399.545	403.392	400.653	403.392	399.545	394.655	397.159
75.0	329.165	328.476	323.654	328.476	329.165	322.546	323.570
77.5	260.684	248.252	236.340	248.252	260.684	240.288	235.903

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CANDELA TABULATION - (Cont.)

80.0	179.821	167.792	157.728	167.792	179.821	160.870	158.097
82.5	99.630	100.621	91.532	100.621	99.630	96.236	92.002
85.0	48.874	49.479	43.918	49.479	48.874	47.211	42.053
87.5	17.893	17.473	15.423	17.473	17.893	16.700	13.306
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

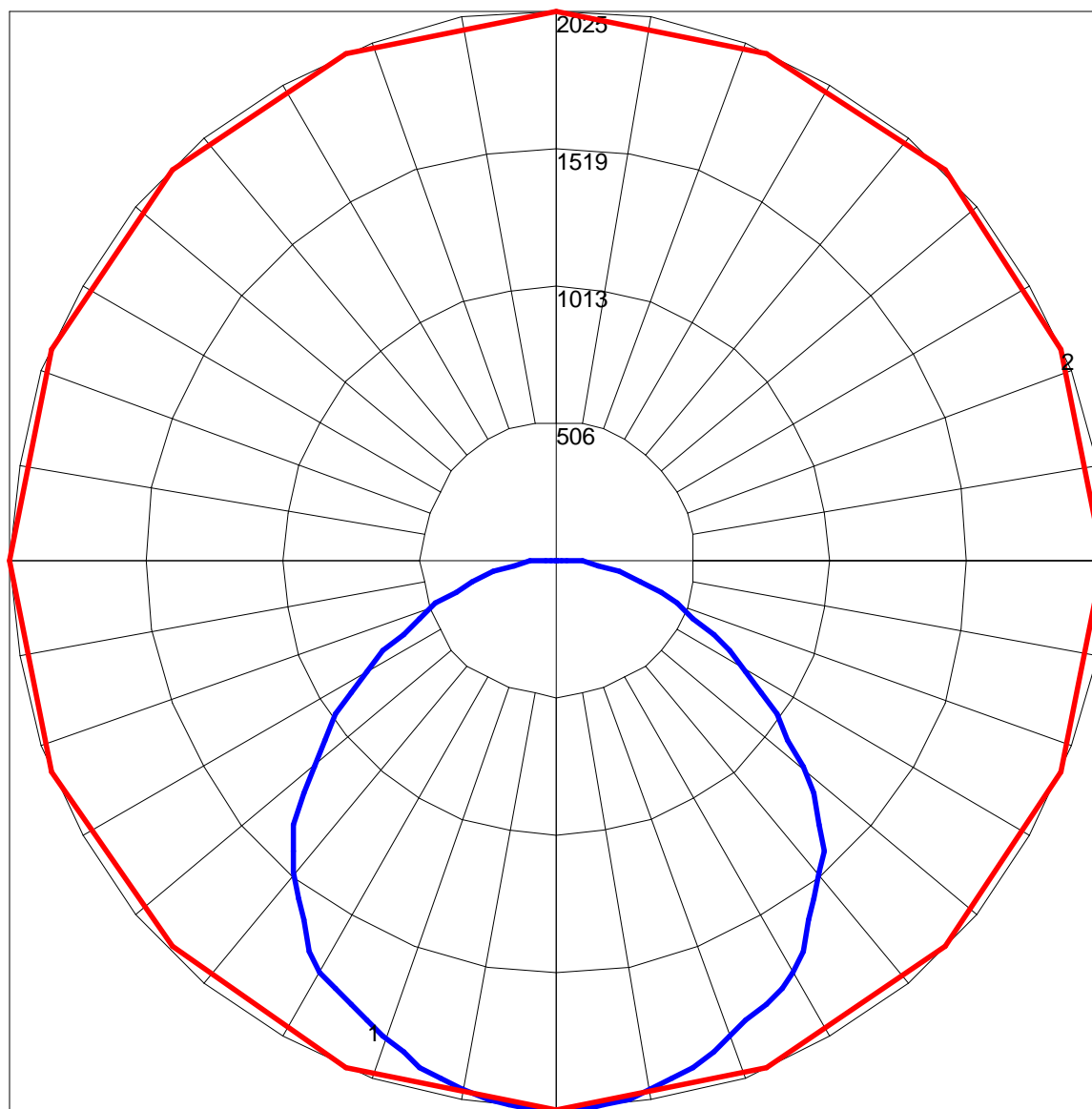
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

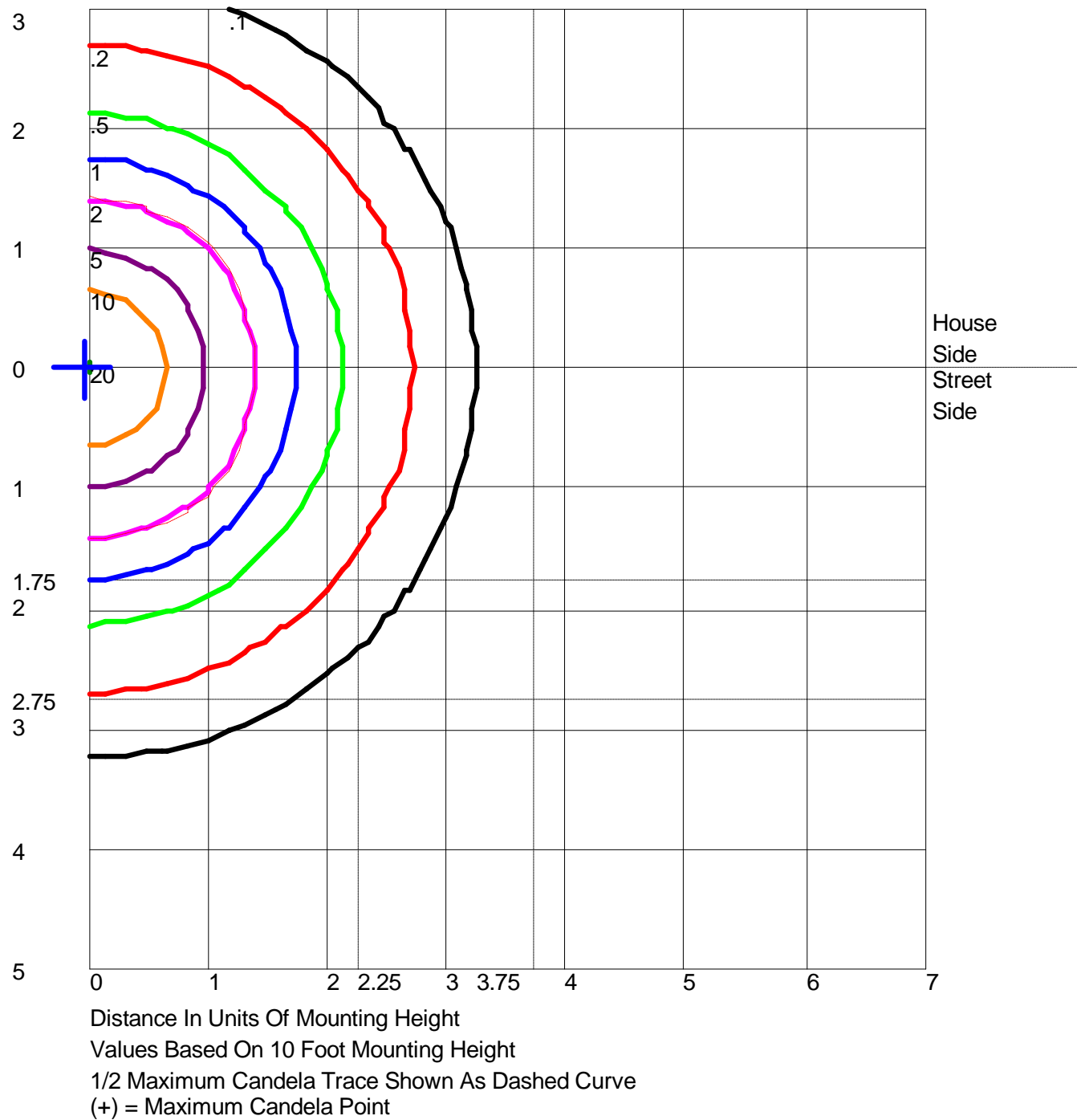
	Lumens	Percent Of Luminaire
Downward Street Side	2813.1	50.0
Downward House Side	2813.1	50.0
Downward Total	5626.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5626.2	100.0

POLAR GRAPH

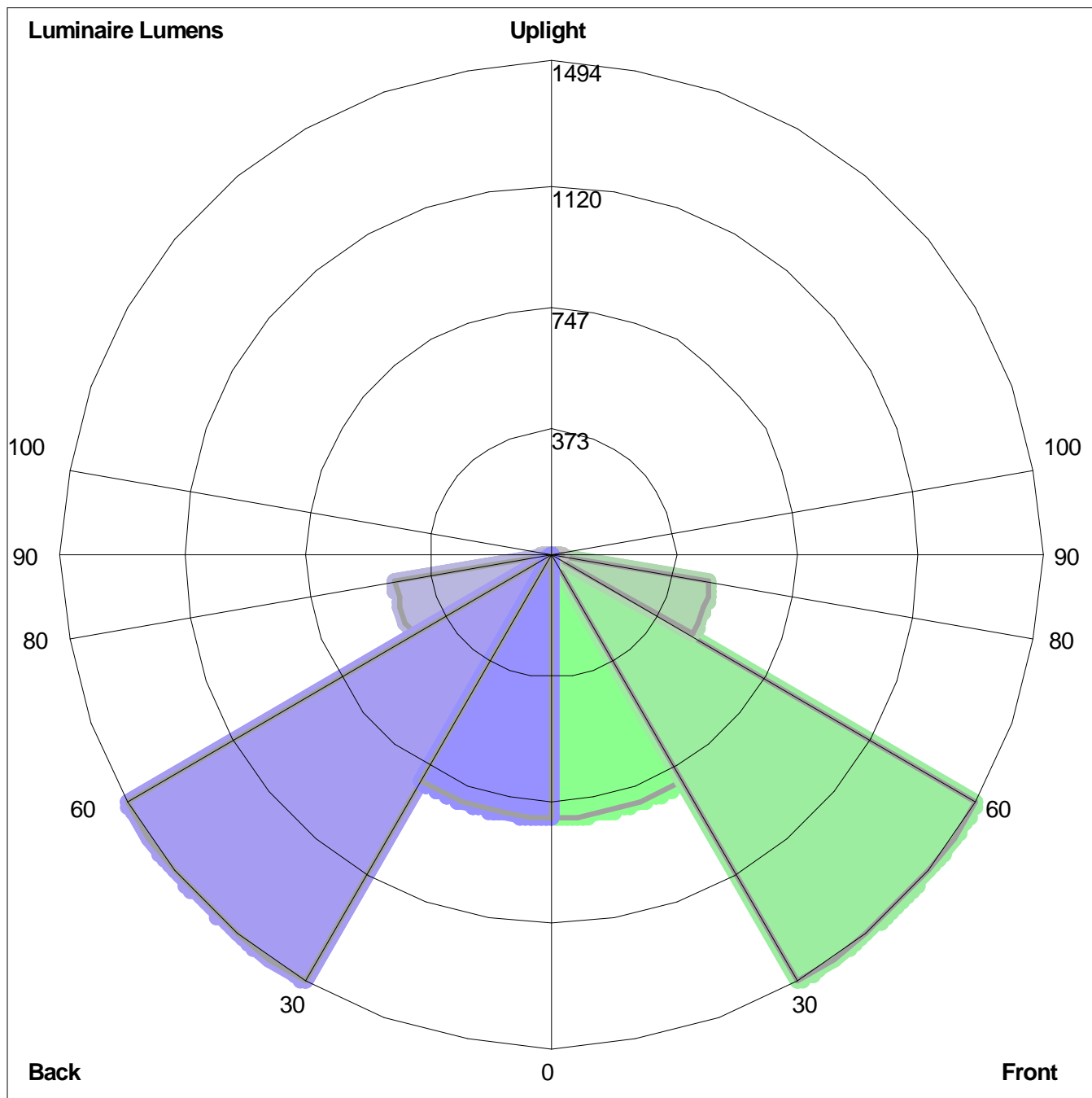


Maximum Candela = 2025.461 Located At Horizontal Angle = 270, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=798.4, Medium=1493.8, High=487.7, Very High=33.2
Back: Low=798.4, Medium=1493.8, High=487.7, Very High=33.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1