



IES ROAD REPORT

PHOTOMETRIC FILENAME : WLM-LED-05L-50.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] 1196848

[TESTLAB] UL Verification Services Inc.

[TESTDATE] 1/29/2016

[ISSUEDATE] 1/7/2019

[MANUFAC] LSI INDUSTRIES, INC

[LUMCAT] WLM-LED-05L-50

[OTHER] TEST PROCEDURE: IESNA LM-79-08

[OTHER] SCALED FROM ORIGINAL TEST DATA

[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED

[SEARCH_SOURCETYPE] LED

[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	5229
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	43.19
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1909.17
Maximum Candela Angle	175H 2.5V
Maximum Candela (<90 Degrees Vertical)	1909.17
Maximum Candela Angle (<90 Degrees Vertical)	175H 2.5V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	91.82 (1.8% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	748.0	N.A.	14.3
FM - Front-Medium (30-60)	1397.4	N.A.	26.7
FH - Front-High (60-80)	399.5	N.A.	7.6
FVH - Front-Very High (80-90)	7.3	N.A.	0.1
BL - Back-Low (0-30)	754.0	N.A.	14.4
BM - Back-Medium (30-60)	1473.8	N.A.	28.2
BH - Back-High (60-80)	439.6	N.A.	8.4
BVH - Back-Very High (80-90)	9.9	N.A.	0.2
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5229.5	N.A.	100.0
BUG Rating	B2-U0-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804
2.5	1908.767	1905.844	1905.239	1904.332	1902.215	1898.486	1895.462	1893.245	1891.532	1890.725
5.0	1904.735	1899.393	1898.688	1898.587	1895.866	1892.439	1889.415	1886.996	1885.887	1884.577
7.5	1896.067	1891.431	1890.524	1889.818	1887.298	1884.174	1880.747	1878.530	1877.421	1876.413
10.0	1887.198	1880.848	1879.437	1878.227	1875.607	1872.684	1869.458	1867.543	1865.931	1865.830
12.5	1875.808	1867.241	1865.729	1864.822	1862.504	1860.186	1856.557	1854.441	1853.231	1852.425
15.0	1858.674	1848.796	1847.486	1846.881	1844.765	1842.648	1839.221	1837.105	1835.593	1834.686
17.5	1835.391	1824.002	1822.893	1823.296	1822.389	1819.870	1817.148	1814.931	1813.419	1812.210
20.0	1809.589	1795.982	1794.571	1795.982	1795.680	1793.463	1790.237	1788.221	1786.911	1785.097
22.5	1779.554	1764.637	1763.125	1764.637	1764.233	1762.520	1759.799	1758.287	1756.170	1755.061
25.0	1747.603	1730.065	1729.058	1730.166	1729.763	1728.453	1725.731	1725.127	1723.111	1721.498
27.5	1708.597	1692.672	1691.765	1693.479	1692.269	1691.362	1688.842	1688.741	1687.129	1686.121
30.0	1666.769	1651.651	1651.449	1652.860	1651.147	1651.348	1648.929	1648.728	1648.123	1647.216
32.5	1623.329	1606.295	1606.396	1607.908	1606.799	1606.497	1604.078	1604.380	1604.178	1603.674
35.0	1566.684	1545.922	1551.364	1557.815	1557.210	1557.815	1555.295	1555.597	1556.001	1555.597
37.5	1491.898	1470.026	1478.392	1493.309	1501.675	1503.086	1501.271	1501.372	1501.372	1500.868
40.0	1404.110	1382.944	1394.535	1414.289	1435.153	1443.720	1442.410	1441.906	1442.410	1442.208
42.5	1313.298	1293.341	1306.545	1328.013	1358.351	1381.936	1381.734	1382.037	1382.037	1381.633
45.0	1224.904	1201.924	1215.632	1238.108	1273.687	1308.863	1318.841	1318.639	1318.942	1317.732
47.5	1134.697	1110.709	1123.409	1146.086	1181.665	1225.207	1250.304	1250.304	1249.497	1249.497
50.0	1045.599	1023.324	1034.209	1052.755	1087.124	1131.875	1173.703	1177.735	1178.138	1176.828
52.5	965.773	946.522	950.654	962.346	990.265	1033.605	1086.721	1097.808	1097.707	1094.784
55.0	895.119	874.759	876.674	881.512	897.134	931.907	985.427	1003.367	1008.004	1004.476
57.5	824.767	801.988	802.089	807.028	811.362	831.218	872.743	894.615	905.198	907.213
60.0	748.066	728.311	728.411	733.149	733.955	733.249	758.951	781.528	796.143	806.020
62.5	669.752	649.090	650.904	655.439	655.137	640.926	649.090	670.961	686.785	701.702
65.0	584.584	565.534	566.744	570.070	568.457	549.609	550.718	569.264	584.483	598.392
67.5	500.928	480.871	482.282	485.104	474.924	465.550	467.768	472.203	482.382	493.369
70.0	413.341	391.470	396.106	397.719	384.414	383.306	384.515	379.375	381.894	384.616
72.5	274.452	261.652	276.266	294.912	301.161	299.347	293.602	290.780	291.284	291.788
75.0	197.247	175.577	184.849	186.764	201.177	213.474	210.853	213.474	213.171	209.543
77.5	103.310	92.324	97.464	104.116	115.606	125.988	136.470	137.680	138.687	139.292
80.0	37.393	29.532	32.958	41.929	52.109	60.978	69.142	76.701	77.709	76.500
82.5	9.071	7.055	8.063	9.575	12.599	18.243	24.391	29.028	29.330	30.943
85.0	1.209	0.907	1.008	1.109	1.411	2.419	3.729	5.241	5.644	6.350
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.101	0.101	0.202
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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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>67.5</u>	<u>70.0</u>	<u>72.5</u>	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>
0.0	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804
2.5	1890.120	1888.407	1887.399	1888.105	1887.903	1886.794	1888.709	1889.717	1887.097	1884.879
5.0	1884.275	1882.864	1882.057	1882.460	1882.763	1881.654	1883.468	1883.972	1881.654	1879.437
7.5	1876.312	1874.901	1873.692	1874.901	1875.203	1874.397	1876.312	1877.018	1874.397	1872.684
10.0	1865.124	1863.713	1862.907	1863.915	1864.822	1864.318	1866.334	1866.334	1863.814	1862.605
12.5	1852.022	1851.014	1849.603	1850.611	1851.518	1850.913	1852.929	1852.526	1850.308	1849.300
15.0	1834.182	1832.872	1832.065	1832.670	1833.376	1833.174	1834.887	1835.492	1832.267	1831.561
17.5	1811.605	1810.194	1808.883	1809.791	1810.395	1810.295	1812.310	1812.411	1809.387	1809.186
20.0	1784.190	1783.182	1781.972	1782.476	1783.384	1783.484	1785.500	1785.299	1782.476	1782.880
22.5	1754.054	1752.340	1752.038	1752.139	1752.642	1753.146	1755.162	1754.860	1752.239	1752.642
25.0	1721.297	1719.482	1718.676	1718.575	1719.382	1720.188	1722.305	1722.103	1718.979	1719.785
27.5	1685.819	1684.206	1682.694	1682.593	1682.694	1683.400	1685.819	1685.718	1682.694	1683.400
30.0	1646.712	1645.301	1644.495	1644.192	1643.890	1644.797	1646.813	1646.611	1643.285	1644.394
32.5	1603.473	1601.759	1601.558	1601.759	1601.155	1601.659	1603.674	1603.876	1600.953	1602.364
35.0	1556.001	1554.186	1553.985	1554.287	1553.884	1554.388	1556.001	1556.303	1552.977	1554.590
37.5	1502.179	1499.558	1500.364	1500.667	1500.062	1500.465	1501.977	1501.876	1498.752	1499.760
40.0	1442.712	1440.898	1442.813	1443.015	1442.813	1441.805	1443.519	1443.317	1440.495	1441.604
42.5	1381.533	1381.533	1383.246	1384.052	1383.246	1382.238	1383.044	1383.246	1380.424	1381.936
45.0	1317.531	1318.035	1320.051	1321.865	1321.764	1320.353	1320.252	1321.462	1319.345	1320.857
47.5	1250.304	1249.598	1252.723	1254.537	1254.940	1254.134	1253.227	1254.033	1252.420	1253.428
50.0	1177.936	1176.324	1177.634	1178.339	1178.037	1176.626	1176.122	1176.626	1174.005	1175.618
52.5	1093.676	1091.156	1091.357	1092.063	1091.458	1090.047	1089.946	1089.342	1086.318	1088.434
55.0	1000.848	998.832	997.018	996.917	997.421	998.630	997.723	995.909	992.684	995.808
57.5	905.399	902.879	900.561	900.561	900.561	905.198	904.492	901.972	898.243	899.856
60.0	811.160	810.556	809.044	808.943	810.455	813.378	813.579	812.773	809.648	810.757
62.5	716.115	721.558	722.062	722.566	722.566	725.388	728.915	726.900	722.263	723.876
65.0	615.224	628.327	633.366	633.568	633.265	635.382	640.724	640.321	633.769	635.080
67.5	508.588	520.582	528.544	531.669	529.552	529.250	534.289	535.700	530.157	530.459
70.0	394.090	403.968	413.744	422.311	421.707	421.908	425.033	428.762	424.025	423.521
72.5	292.997	297.231	307.612	320.211	327.669	327.367	328.072	333.717	328.980	327.770
75.0	207.729	207.023	210.450	219.824	228.895	232.624	231.818	235.345	233.632	232.725
77.5	138.990	136.369	133.749	134.253	139.998	148.263	150.178	150.480	150.984	150.178

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CANDELA TABULATION - (Cont.)

80.0	76.500	76.903	76.197	76.399	76.500	80.733	85.067	86.075	85.974	85.571
82.5	33.462	33.966	33.765	33.866	33.966	33.664	35.680	37.595	37.595	36.990
85.0	6.955	7.962	7.862	8.567	8.769	8.567	8.567	9.172	9.273	9.474
87.5	0.202	0.302	0.302	0.302	0.403	0.403	0.403	0.403	0.403	0.403
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
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. Horizontal Angles
Angles

	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>
0.0	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804
2.5	1887.802	1890.725	1888.205	1886.996	1888.709	1888.911	1888.810	1889.818	1891.431	1891.532
5.0	1882.864	1885.887	1883.267	1881.956	1883.670	1884.073	1883.871	1884.980	1886.593	1887.097
7.5	1876.211	1879.437	1876.413	1875.304	1876.715	1877.723	1877.219	1878.731	1879.739	1880.747
10.0	1866.132	1869.660	1865.931	1865.427	1866.334	1867.342	1867.241	1868.753	1870.265	1870.870
12.5	1853.332	1856.456	1853.231	1852.223	1854.138	1854.945	1854.945	1856.860	1858.472	1858.976
15.0	1836.198	1839.221	1835.694	1835.190	1837.306	1838.314	1838.415	1840.733	1842.144	1843.152
17.5	1813.923	1816.745	1813.117	1812.814	1815.233	1816.140	1817.148	1819.164	1820.575	1821.785
20.0	1787.314	1789.532	1786.206	1786.004	1787.818	1789.028	1790.237	1792.354	1794.269	1795.478
22.5	1756.976	1759.395	1755.969	1755.666	1758.085	1759.093	1760.000	1762.722	1765.040	1766.048
25.0	1724.018	1726.639	1722.909	1723.413	1725.328	1726.336	1727.445	1730.166	1732.384	1733.996

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

27.5	1688.036	1690.556	1686.927	1687.633	1689.447	1690.757	1692.471	1695.293	1697.409	1699.728
30.0	1649.030	1651.449	1648.526	1648.929	1651.348	1653.364	1654.876	1657.396	1659.411	1661.226
32.5	1606.497	1608.714	1605.993	1606.900	1609.621	1611.838	1613.250	1616.172	1617.583	1618.995
35.0	1558.117	1560.435	1558.420	1559.730	1562.149	1564.669	1565.676	1568.297	1570.212	1571.925
37.5	1503.892	1504.900	1503.892	1506.210	1509.436	1511.552	1512.661	1514.878	1516.491	1518.507
40.0	1444.728	1445.534	1445.333	1448.558	1451.783	1453.598	1455.311	1456.823	1459.444	1461.157
42.5	1384.556	1385.766	1385.967	1389.495	1393.829	1396.550	1397.155	1398.969	1400.985	1402.396
45.0	1322.268	1323.477	1324.385	1327.408	1332.549	1334.665	1336.076	1337.790	1339.906	1341.922
47.5	1255.444	1256.956	1258.669	1263.003	1268.144	1269.555	1270.764	1271.671	1274.594	1276.207
50.0	1176.928	1178.743	1182.875	1187.411	1192.148	1193.760	1196.986	1198.497	1201.824	1204.242
52.5	1088.535	1091.055	1096.598	1100.832	1105.266	1107.081	1110.709	1113.531	1119.276	1124.316
55.0	994.296	998.026	1004.476	1008.709	1012.237	1014.757	1018.889	1023.022	1029.472	1035.520
57.5	899.251	904.391	910.237	913.362	915.277	917.293	921.929	926.868	933.318	940.071
60.0	809.951	814.386	819.828	821.643	821.844	823.154	827.186	832.427	838.172	843.312
62.5	723.574	729.923	735.870	736.374	737.583	738.289	740.506	744.135	747.259	750.384
65.0	635.080	642.538	645.259	645.763	646.267	648.989	650.803	654.431	655.943	656.649
67.5	531.366	539.934	541.345	541.143	545.779	550.718	560.495	565.131	567.349	566.441
70.0	424.932	431.584	431.282	431.382	437.228	443.578	449.827	454.363	458.898	458.596
72.5	330.491	336.539	335.128	337.144	341.377	344.098	348.634	352.262	350.549	341.981
75.0	235.648	238.772	239.075	244.820	249.456	250.665	250.968	248.851	242.300	237.160
77.5	152.697	154.108	155.822	159.249	160.156	161.466	161.768	156.326	151.488	150.782
80.0	87.385	88.897	90.610	91.820	91.618	87.688	84.261	83.152	86.276	88.292
82.5	38.502	39.510	40.618	40.014	38.401	37.393	38.200	39.207	40.115	40.115
85.0	9.777	10.079	10.079	9.877	10.079	10.281	10.482	10.281	9.978	9.373
87.5	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.403
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
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

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

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

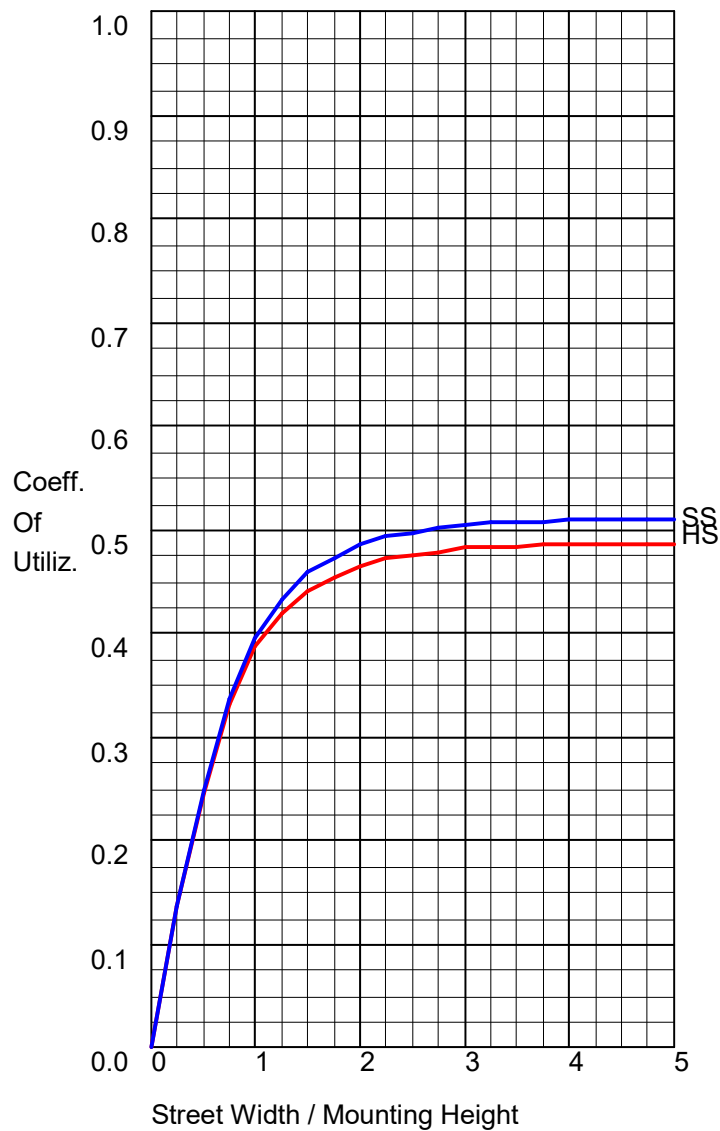
Vert. Angles	Horizontal Angles									
	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0	
0.0	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	1900.804	
2.5	1893.144	1894.555	1896.873	1900.300	1904.130	1906.952	1908.364	1909.170	1904.735	
5.0	1889.314	1890.322	1892.640	1896.168	1900.603	1903.626	1905.138	1906.045	1899.998	
7.5	1882.662	1883.368	1885.887	1889.415	1894.152	1897.781	1899.595	1901.006	1894.051	
10.0	1872.986	1873.792	1876.312	1879.537	1884.375	1888.709	1891.128	1893.043	1885.484	
12.5	1860.992	1862.403	1864.721	1869.257	1874.296	1878.832	1880.949	1882.964	1873.692	
15.0	1845.672	1846.680	1849.603	1854.138	1859.682	1863.209	1865.427	1866.838	1856.658	
17.5	1825.111	1826.421	1829.142	1833.476	1839.322	1842.547	1844.462	1846.478	1833.779	
20.0	1799.208	1800.216	1803.844	1808.178	1814.528	1817.350	1818.761	1821.381	1807.472	
22.5	1769.676	1770.886	1773.909	1778.142	1785.601	1788.524	1790.237	1793.160	1777.840	
25.0	1737.826	1738.733	1741.556	1745.184	1753.550	1756.674	1758.186	1761.814	1745.789	
27.5	1702.550	1704.566	1705.876	1710.411	1718.878	1722.103	1723.816	1726.941	1710.512	
30.0	1664.249	1665.963	1667.575	1672.917	1680.981	1684.911	1686.826	1689.346	1672.413	
32.5	1621.111	1622.421	1625.244	1631.392	1639.556	1643.587	1644.293	1647.417	1629.578	
35.0	1573.941	1574.546	1577.469	1584.423	1592.688	1597.022	1598.232	1600.147	1581.501	
37.5	1520.724	1521.732	1524.453	1530.803	1539.975	1544.511	1545.317	1546.224	1526.872	
40.0	1463.576	1465.491	1468.212	1474.764	1482.827	1486.959	1487.967	1488.673	1467.809	
42.5	1404.815	1407.738	1411.165	1417.918	1424.872	1427.594	1429.912	1429.408	1407.940	
45.0	1343.736	1346.357	1350.993	1357.545	1363.995	1365.709	1367.624	1367.220	1346.357	
47.5	1277.618	1280.238	1284.976	1292.736	1298.078	1299.187	1302.009	1300.396	1277.013	
50.0	1207.770	1210.491	1214.322	1222.082	1227.727	1227.928	1224.602	1219.159	1191.946	
52.5	1130.162	1134.596	1141.752	1146.086	1152.335	1141.954	1126.231	1118.470	1087.225	
55.0	1043.482	1049.429	1059.407	1064.849	1063.640	1036.225	1015.664	1006.391	974.441	
57.5	947.832	951.662	963.051	975.751	957.105	922.735	899.957	888.265	854.601	
60.0	847.949	851.073	859.741	868.107	840.087	806.826	787.575	780.419	750.485	
62.5	753.105	755.020	757.842	746.251	719.945	701.198	695.755	697.771	672.574	
65.0	658.967	661.184	652.113	621.876	612.503	613.611	612.906	613.007	589.220	
67.5	565.736	561.805	542.957	505.665	516.752	528.343	526.529	525.621	505.060	
70.0	452.347	443.780	429.165	414.651	421.908	440.252	439.849	438.740	416.365	
72.5	330.491	322.327	323.134	332.104	333.918	348.936	345.711	332.104	292.997	
75.0	231.213	230.407	233.934	246.231	246.533	227.081	227.584	225.166	210.753	
77.5	151.891	153.201	157.031	156.527	148.968	141.913	135.563	132.640	122.763	
80.0	89.905	91.316	88.393	81.035	71.964	68.033	60.172	57.450	45.356	
82.5	39.711	36.587	36.688	28.624	23.585	20.057	17.638	16.328	11.792	
85.0	9.071	8.668	7.559	5.040	3.326	2.217	1.613	1.411	0.907	
87.5	0.403	0.302	0.202	0.101	0.000	0.000	0.000	0.000	0.000	
90.0	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	
95.0	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	
100.0	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	
105.0	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	
110.0	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	

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

115.0	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
120.0	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
125.0	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
130.0	0.000	0.000	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	0.000	0.000
135.0	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
140.0	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
145.0	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
150.0	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
155.0	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
160.0	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
165.0	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
170.0	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
175.0	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
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

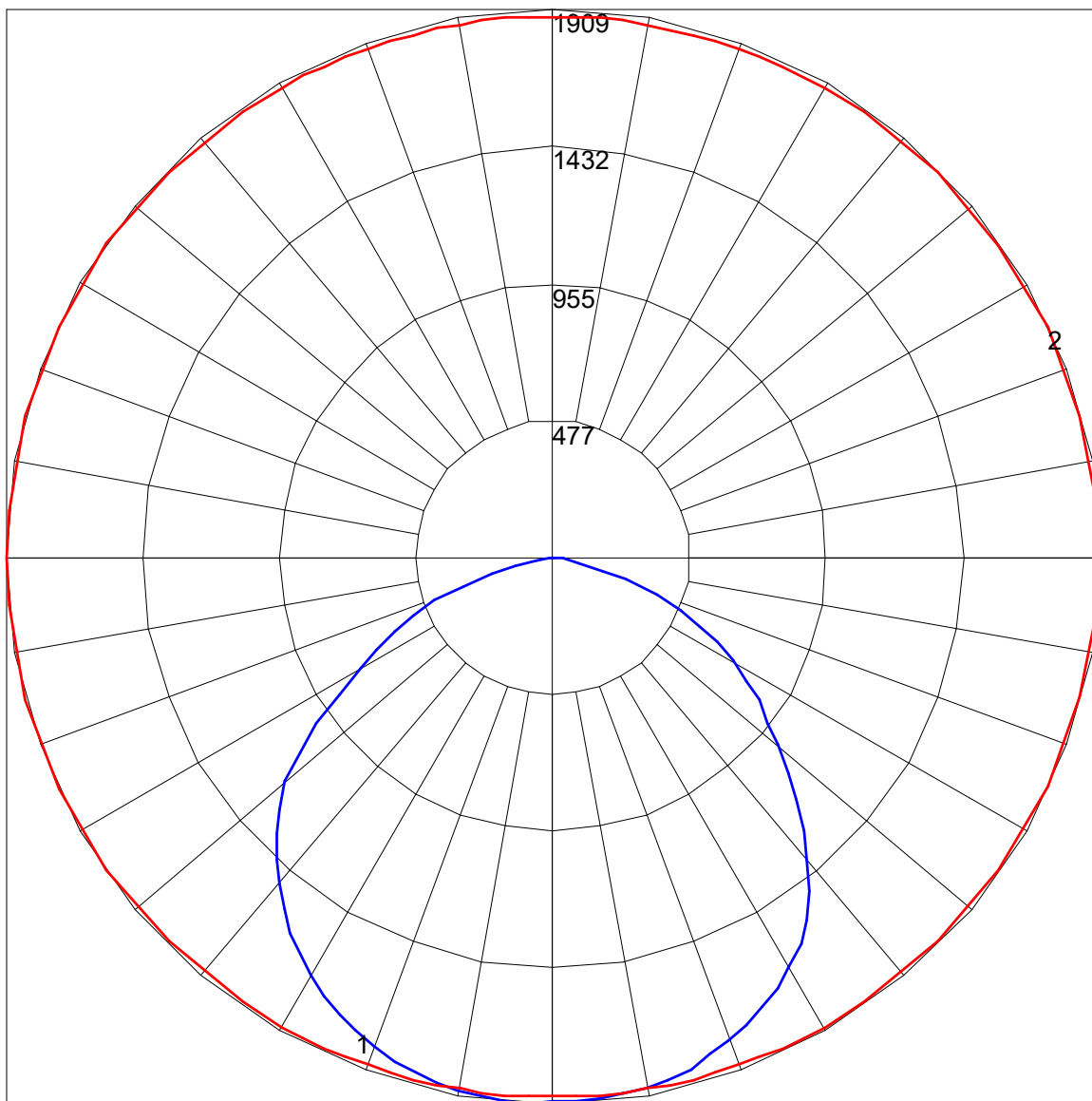
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

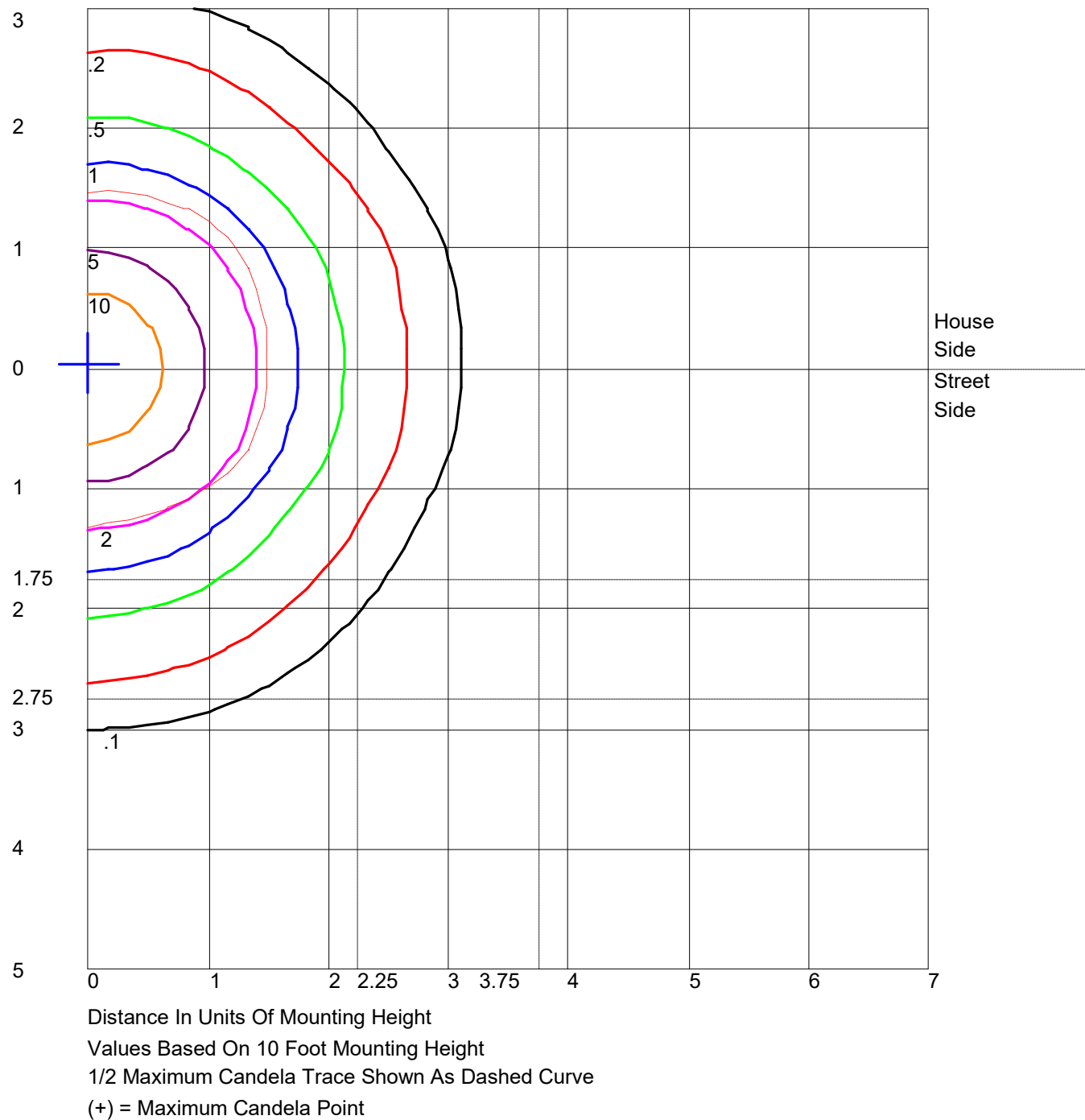
	Lumens	Percent Of Luminaire
Downward Street Side	2552.2	48.8
Downward House Side	2677.3	51.2
Downward Total	5229.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5229.5	100.0

POLAR GRAPH

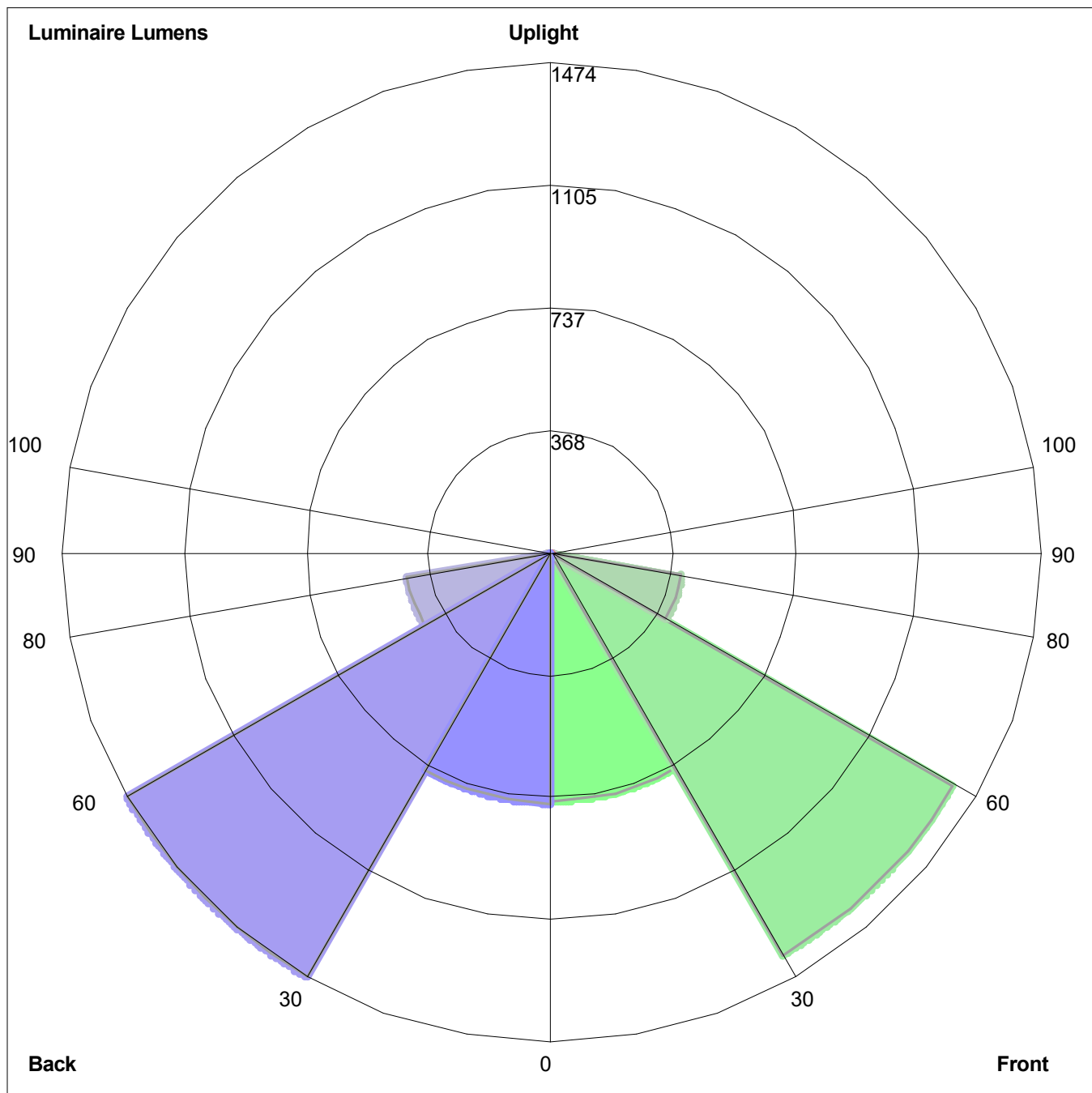


Maximum Candela = 1909.17 Located At Horizontal Angle = 175, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (175 - 355) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=748.0, Medium=1397.4, High=399.5, Very High=7.3
Back: Low=754.0, Medium=1473.8, High=439.6, Very High=9.9
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G0