



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-T3-XXX-SDGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM ATAL009419  
[TESTLAB] ATAL-LABS  
[ISSUE DATE] 2024-01-31  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPX-L60-750-T3-xxx-SDGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[MORE] WITH TYPE III DISTRIBUTION AND  
[MORE] MICRO-PRISMATIC GLASS LENS  
[LAMPCAT] X4-LUXEON M  
[LAMP] 8 WHITE LED  
[\_SEARCH\_SOURCETYPE] LED  
[\_SEARCH\_APPLICATION] Outdoor  
[\_SEARCH\_MOUNTING] Wall

### CHARACTERISTICS

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6531
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2753.567
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2753.567
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	620.723 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L60-750-T3-XXX-SDGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	935.7	N.A.	14.3
FM - Front-Medium (30-60)	2474.0	N.A.	37.9
FH - Front-High (60-80)	1020.3	N.A.	15.6
FVH - Front-Very High (80-90)	78.6	N.A.	1.2
BL - Back-Low (0-30)	591.9	N.A.	9.1
BM - Back-Medium (30-60)	1047.6	N.A.	16.0
BH - Back-High (60-80)	363.4	N.A.	5.6
BVH - Back-Very High (80-90)	19.6	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	6531.1	N.A.	100.0
BUG Rating	B2-U0-G1		

**IES ROAD REPORT**  
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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>2.5</b></u>	<u><b>5.0</b></u>	<u><b>10.0</b></u>	<u><b>15.0</b></u>	<u><b>20.0</b></u>	<u><b>25.0</b></u>	<u><b>30.0</b></u>	<u><b>35.0</b></u>	<u><b>40.0</b></u>
<b>0.0</b>	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079
<b>2.5</b>	1851.993	1856.063	1851.993	1864.204	1862.169	1860.133	1856.063	1847.923	1843.852	1841.817
<b>5.0</b>	1929.329	1929.329	1929.329	1937.469	1935.434	1931.364	1925.258	1917.118	1908.977	1902.872
<b>7.5</b>	1961.891	1961.891	1961.891	1967.997	1963.926	1957.821	1951.716	1951.716	1951.716	1949.680
<b>10.0</b>	2029.051	2029.051	2027.016	2027.016	2018.876	2012.770	2006.665	2004.630	1998.524	1994.454
<b>12.5</b>	2112.493	2116.563	2110.458	2108.423	2100.282	2098.247	2090.106	2084.001	2073.825	2063.649
<b>15.0</b>	2189.829	2193.899	2187.794	2179.653	2171.512	2167.442	2161.337	2165.407	2161.337	2143.020
<b>17.5</b>	2254.954	2259.024	2252.919	2240.708	2224.427	2214.251	2212.216	2220.356	2218.321	2210.180
<b>20.0</b>	2381.134	2379.098	2366.888	2350.606	2332.290	2305.833	2285.481	2273.270	2261.059	2252.919
<b>22.5</b>	2515.454	2515.454	2501.208	2478.821	2452.364	2427.942	2403.520	2360.782	2326.184	2297.692
<b>25.0</b>	2619.247	2621.282	2605.001	2580.579	2552.087	2517.489	2488.997	2448.294	2413.696	2358.747
<b>27.5</b>	2706.759	2706.759	2692.513	2661.985	2623.317	2594.825	2558.192	2517.489	2474.751	2444.224
<b>30.0</b>	2753.567	2749.497	2733.216	2714.899	2676.231	2647.739	2605.001	2572.438	2541.911	2499.173
<b>32.5</b>	2731.181	2731.181	2718.970	2702.688	2688.442	2668.091	2639.599	2613.142	2586.685	2541.911
<b>35.0</b>	2659.950	2655.880	2643.669	2639.599	2637.563	2639.599	2631.458	2633.493	2609.071	2574.474
<b>37.5</b>	2545.981	2539.876	2529.700	2535.806	2541.911	2556.157	2584.649	2605.001	2613.142	2586.685
<b>40.0</b>	2344.501	2342.466	2348.571	2360.782	2391.309	2432.013	2499.173	2560.227	2598.895	2594.825
<b>42.5</b>	2092.141	2100.282	2104.352	2126.739	2193.899	2252.919	2370.958	2484.927	2552.087	2572.438
<b>45.0</b>	1819.430	1835.712	1849.958	1888.626	1957.821	2043.298	2195.934	2358.747	2474.751	2533.770
<b>47.5</b>	1587.422	1595.563	1611.844	1654.583	1725.813	1831.641	1998.524	2191.864	2350.606	2462.540
<b>50.0</b>	1396.118	1404.258	1408.329	1451.067	1528.403	1638.301	1813.325	2006.665	2193.899	2352.641
<b>52.5</b>	1210.918	1219.059	1223.129	1269.938	1345.239	1459.208	1636.266	1833.676	2029.051	2206.110
<b>55.0</b>	1050.141	1062.352	1066.422	1107.125	1182.426	1290.290	1473.454	1674.934	1858.098	2031.087
<b>57.5</b>	909.715	917.856	921.926	956.524	1025.719	1137.653	1304.536	1503.981	1679.004	1843.852
<b>60.0</b>	781.500	783.535	785.571	818.133	881.223	987.051	1145.793	1326.922	1487.700	1638.301
<b>62.5</b>	657.356	657.356	663.461	696.024	746.903	858.836	995.192	1153.934	1298.430	1444.961
<b>65.0</b>	539.317	539.317	545.422	584.090	630.899	732.657	852.731	987.051	1113.231	1247.551
<b>67.5</b>	439.594	437.559	441.629	478.262	525.070	612.582	716.375	840.520	948.383	1062.352
<b>70.0</b>	352.082	350.047	356.152	384.645	421.277	500.649	592.231	689.918	791.676	887.328
<b>72.5</b>	278.817	276.781	280.852	305.274	339.871	400.926	476.227	565.774	645.145	722.481
<b>75.0</b>	215.727	213.691	215.727	236.078	262.535	311.379	376.504	441.629	506.754	569.844
<b>77.5</b>	158.742	156.707	158.742	175.023	193.340	232.008	282.887	329.695	378.539	433.488
<b>80.0</b>	109.898	107.863	109.898	120.074	134.320	160.777	197.410	232.008	266.606	305.274
<b>82.5</b>	67.160	67.160	67.160	75.301	83.441	99.723	122.109	146.531	166.883	191.305
<b>85.0</b>	34.598	32.563	32.563	36.633	42.738	50.879	63.090	73.266	85.477	97.688
<b>87.5</b>	10.176	10.176	10.176	12.211	12.211	14.246	18.316	22.387	26.457	30.527
<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>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>45.0</b></u>	<u><b>50.0</b></u>	<u><b>55.0</b></u>	<u><b>60.0</b></u>	<u><b>65.0</b></u>	<u><b>70.0</b></u>	<u><b>75.0</b></u>	<u><b>80.0</b></u>	<u><b>85.0</b></u>	<u><b>90.0</b></u>
<b>0.0</b>	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079
<b>2.5</b>	1843.852	1837.747	1827.571	1821.465	1821.465	1819.430	1811.290	1807.219	1801.114	1795.008
<b>5.0</b>	1900.837	1890.661	1876.415	1864.204	1858.098	1854.028	1839.782	1829.606	1819.430	1807.219
<b>7.5</b>	1951.716	1945.610	1937.469	1923.223	1915.083	1906.942	1890.661	1874.380	1860.133	1839.782
<b>10.0</b>	1990.384	1990.384	1984.278	1978.173	1972.067	1961.891	1947.645	1929.329	1904.907	1880.485
<b>12.5</b>	2057.544	2053.473	2047.368	2039.227	2027.016	2016.841	1998.524	1978.173	1945.610	1915.083
<b>15.0</b>	2126.739	2116.563	2102.317	2086.036	2071.790	2059.579	2041.262	2018.876	1982.243	1943.575
<b>17.5</b>	2191.864	2175.583	2159.302	2134.880	2118.598	2104.352	2084.001	2059.579	2012.770	1965.962
<b>20.0</b>	2238.673	2222.391	2218.321	2200.005	2169.477	2143.020	2116.563	2086.036	2033.122	1980.208
<b>22.5</b>	2271.235	2263.095	2259.024	2236.638	2200.005	2173.548	2149.126	2114.528	2067.719	2000.559
<b>25.0</b>	2318.044	2289.552	2281.411	2269.200	2238.673	2206.110	2177.618	2138.950	2092.141	2024.981
<b>27.5</b>	2391.309	2326.184	2311.938	2291.587	2267.165	2226.462	2195.934	2157.266	2102.317	2029.051

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## CANDELA TABULATION - (Cont.)

30.0	2452.364	2389.274	2340.431	2316.009	2295.657	2263.095	2216.286	2175.583	2112.493	2029.051
32.5	2499.173	2442.188	2387.239	2340.431	2320.079	2287.516	2246.813	2197.970	2122.669	2035.157
35.0	2527.665	2478.821	2417.766	2377.063	2354.677	2324.149	2269.200	2210.180	2138.950	2045.333
37.5	2545.981	2493.067	2448.294	2403.520	2379.098	2352.641	2303.798	2236.638	2155.231	2047.368
40.0	2554.122	2505.278	2460.505	2425.907	2403.520	2375.028	2324.149	2242.743	2151.161	2039.227
42.5	2556.157	2505.278	2454.399	2432.013	2395.380	2379.098	2342.466	2263.095	2167.442	2047.368
45.0	2535.806	2491.032	2442.188	2411.661	2401.485	2391.309	2360.782	2283.446	2181.688	2047.368
47.5	2491.032	2460.505	2407.591	2387.239	2395.380	2393.345	2364.852	2293.622	2183.723	2043.298
50.0	2415.731	2405.556	2366.888	2364.852	2375.028	2387.239	2381.134	2313.973	2191.864	2043.298
52.5	2307.868	2330.255	2328.220	2330.255	2352.641	2368.923	2375.028	2309.903	2185.759	2027.016
55.0	2157.266	2226.462	2271.235	2297.692	2316.009	2344.501	2352.641	2301.763	2183.723	2008.700
57.5	1980.208	2098.247	2173.548	2216.286	2248.848	2279.376	2295.657	2248.848	2134.880	1961.891
60.0	1786.868	1937.469	2037.192	2100.282	2147.091	2191.864	2212.216	2169.477	2059.579	1898.801
62.5	1593.528	1760.411	1884.555	1970.032	2043.298	2088.071	2116.563	2081.966	1978.173	1817.395
65.0	1394.083	1571.141	1703.426	1809.255	1904.907	1955.786	2006.665	1980.208	1884.555	1715.637
67.5	1206.848	1365.590	1510.086	1622.020	1738.024	1801.114	1849.958	1839.782	1746.165	1595.563
70.0	1017.578	1151.899	1290.290	1416.469	1538.579	1603.704	1660.688	1644.407	1563.001	1424.610
72.5	830.344	946.348	1076.598	1200.743	1312.676	1377.801	1424.610	1398.153	1324.887	1212.954
75.0	655.321	753.008	879.188	976.875	1072.528	1123.407	1158.004	1129.512	1062.352	970.770
77.5	494.543	571.879	675.672	755.043	830.344	856.801	883.258	850.696	795.746	726.551
80.0	350.047	404.996	484.367	539.317	594.266	604.442	620.723	596.301	555.598	510.824
82.5	219.797	262.535	311.379	345.977	380.574	404.996	398.891	378.539	362.258	327.660
85.0	111.934	136.356	160.777	179.094	199.445	213.691	209.621	197.410	195.375	175.023
87.5	34.598	42.738	52.914	56.984	65.125	73.266	71.230	65.125	67.160	61.055
90.0	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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079
2.5	1788.903	1782.798	1778.727	1770.587	1764.481	1760.411	1760.411	1758.376	1754.305	1752.270
5.0	1795.008	1782.798	1770.587	1754.305	1742.094	1731.919	1725.813	1721.743	1711.567	1703.426
7.5	1821.465	1801.114	1778.727	1760.411	1740.059	1725.813	1713.602	1695.286	1679.004	1664.758
10.0	1856.063	1827.571	1799.079	1774.657	1746.165	1721.743	1699.356	1670.864	1646.442	1619.985
12.5	1882.520	1849.958	1819.430	1784.833	1752.270	1719.708	1685.110	1642.372	1605.739	1569.106
15.0	1900.837	1860.133	1817.395	1782.798	1746.165	1703.426	1654.583	1605.739	1563.001	1514.157
17.5	1915.083	1866.239	1817.395	1766.516	1717.672	1666.794	1609.809	1556.895	1499.911	1438.856
20.0	1919.153	1870.309	1817.395	1754.305	1695.286	1634.231	1563.001	1485.665	1412.399	1330.993
22.5	1929.329	1870.309	1809.255	1738.024	1666.794	1589.458	1499.911	1402.223	1300.465	1200.743
25.0	1947.645	1878.450	1801.114	1721.743	1632.196	1534.508	1420.540	1300.465	1182.426	1068.457
27.5	1951.716	1874.380	1784.833	1695.286	1593.528	1469.383	1333.028	1196.672	1070.493	954.489
30.0	1943.575	1864.204	1764.481	1654.583	1540.614	1398.153	1243.481	1090.844	964.664	864.942
32.5	1945.610	1847.923	1746.165	1628.126	1483.629	1316.747	1147.829	995.192	881.223	803.887
35.0	1939.505	1833.676	1721.743	1583.352	1422.575	1237.375	1056.246	909.715	809.992	753.008
37.5	1935.434	1823.501	1691.215	1534.508	1349.309	1151.899	962.629	826.274	750.973	712.305
40.0	1923.223	1801.114	1654.583	1481.594	1282.149	1060.317	875.117	746.903	687.883	667.531
42.5	1921.188	1780.762	1624.055	1422.575	1202.778	970.770	789.641	677.707	632.934	624.793
45.0	1906.942	1760.411	1583.352	1359.485	1117.301	875.117	710.270	612.582	577.985	582.055
47.5	1882.520	1727.848	1538.579	1302.500	1042.000	795.746	634.969	553.563	529.141	539.317
50.0	1874.380	1707.497	1499.911	1247.551	970.770	726.551	573.914	502.684	482.332	494.543
52.5	1851.993	1674.934	1455.137	1194.637	909.715	665.496	518.965	447.735	429.418	447.735
55.0	1827.571	1634.231	1408.329	1137.653	854.766	614.617	470.121	402.961	388.715	398.891
57.5	1772.622	1575.211	1349.309	1072.528	791.676	561.703	425.348	362.258	345.977	345.977
60.0	1707.497	1501.946	1269.938	999.262	726.551	510.824	382.610	325.625	303.238	297.133
62.5	1628.126	1422.575	1190.567	923.961	661.426	464.016	345.977	288.992	264.570	256.430
65.0	1542.649	1333.028	1103.055	844.590	600.371	421.277	307.309	254.395	229.973	219.797

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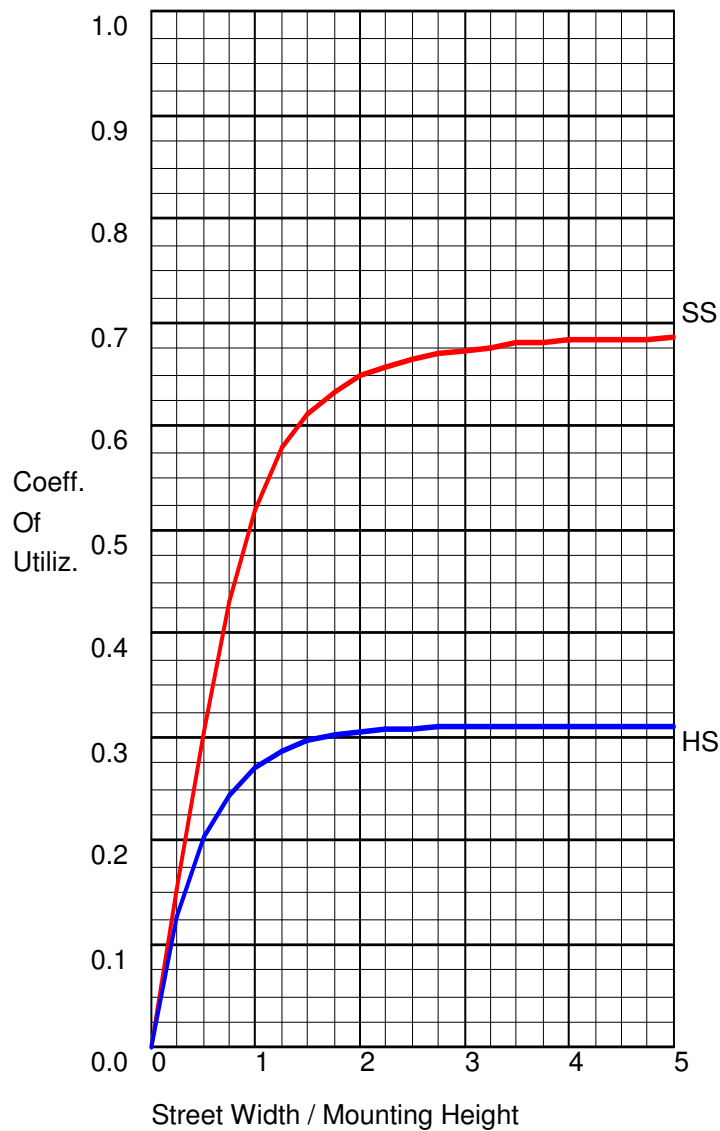
## CANDELA TABULATION - (Cont.)

67.5	1420.540	1225.164	1005.368	765.219	535.246	372.434	268.641	219.797	195.375	181.129
70.0	1265.868	1088.809	893.434	669.567	466.051	319.520	227.938	183.164	154.672	130.250
72.5	1074.563	925.996	759.114	567.809	390.750	262.535	179.094	136.356	103.793	71.230
75.0	862.907	742.832	612.582	457.910	309.344	191.305	109.898	79.371	36.633	14.246
77.5	643.110	569.844	470.121	345.977	213.691	85.477	42.738	14.246	4.070	2.035
80.0	453.840	404.996	333.766	215.727	46.809	16.281	6.105	2.035	2.035	0.000
82.5	293.063	260.500	213.691	91.582	14.246	4.070	2.035	2.035	0.000	0.000
85.0	156.707	140.426	103.793	20.352	4.070	2.035	2.035	2.035	0.000	0.000
87.5	59.020	48.844	14.246	2.035	2.035	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	0.000

## Vert. Horizontal Angles

	<u>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079	1799.079
2.5	1750.235	1752.270	1748.200	1750.235	1754.305	1750.235	1744.130	1738.024
5.0	1699.356	1695.286	1687.145	1689.180	1693.251	1687.145	1685.110	1679.004
7.5	1652.547	1642.372	1626.090	1622.020	1622.020	1619.985	1615.915	1617.950
10.0	1597.598	1581.317	1558.930	1538.579	1530.438	1524.333	1518.227	1522.297
12.5	1536.544	1510.086	1475.489	1449.032	1432.751	1414.434	1416.469	1420.540
15.0	1459.208	1414.434	1369.661	1324.887	1302.500	1278.079	1280.114	1284.184
17.5	1363.555	1296.395	1239.411	1180.391	1143.758	1109.161	1105.090	1109.161
20.0	1241.446	1158.004	1080.668	1021.649	978.911	942.278	930.067	930.067
22.5	1094.914	1013.508	946.348	885.293	850.696	826.274	809.992	805.922
25.0	960.594	893.434	838.485	799.817	775.395	763.184	755.043	753.008
27.5	866.977	818.133	781.500	757.078	742.832	738.762	738.762	736.727
30.0	807.957	773.360	750.973	738.762	740.797	742.832	748.938	744.867
32.5	763.184	746.903	740.797	746.903	759.114	767.254	775.395	775.395
35.0	726.551	728.586	736.727	753.008	767.254	783.535	797.782	799.817
37.5	702.129	712.305	728.586	746.903	763.184	779.465	793.711	795.746
40.0	673.637	687.883	710.270	732.657	753.008	773.360	789.641	789.641
42.5	637.004	659.391	693.989	722.481	748.938	769.289	783.535	787.606
45.0	606.477	637.004	673.637	696.024	720.446	742.832	757.078	763.184
47.5	571.879	600.371	628.864	653.285	667.531	687.883	693.989	698.059
50.0	529.141	549.492	567.809	584.090	588.160	604.442	606.477	606.477
52.5	470.121	486.403	498.613	502.684	504.719	510.824	512.860	508.789
55.0	411.102	421.277	425.348	425.348	423.313	429.418	433.488	425.348
57.5	348.012	352.082	356.152	356.152	358.188	360.223	362.258	360.223
60.0	299.168	297.133	303.238	303.238	305.274	307.309	305.274	305.274
62.5	254.395	254.395	254.395	252.359	248.289	248.289	248.289	248.289
65.0	215.727	209.621	197.410	187.234	185.199	177.059	177.059	177.059
67.5	166.883	150.602	130.250	111.934	89.547	52.914	42.738	40.703
70.0	105.828	75.301	36.633	22.387	16.281	10.176	10.176	10.176
72.5	32.563	14.246	8.141	6.105	4.070	4.070	4.070	4.070
75.0	6.105	4.070	2.035	2.035	2.035	2.035	2.035	2.035
77.5	2.035	2.035	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	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

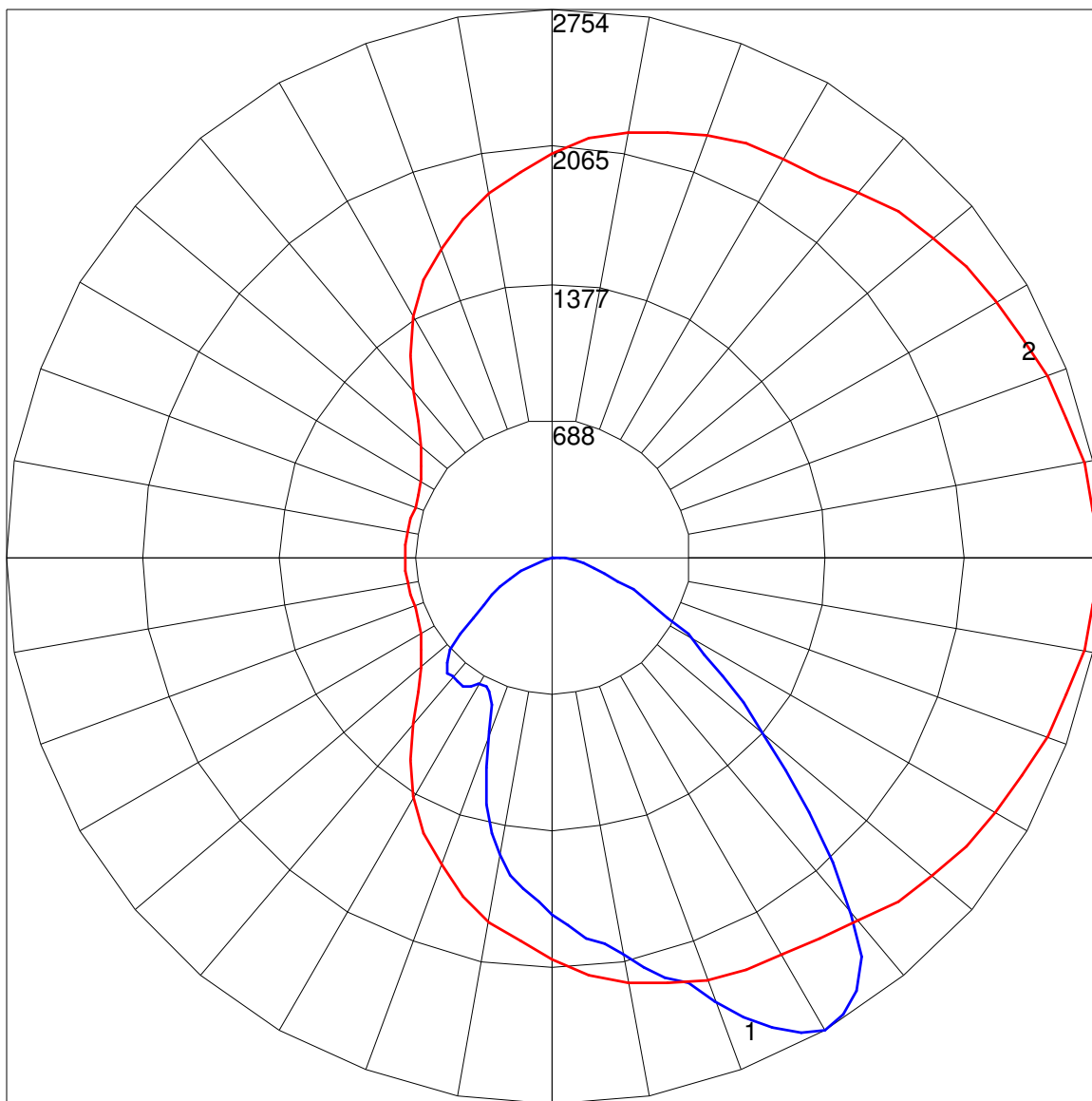
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

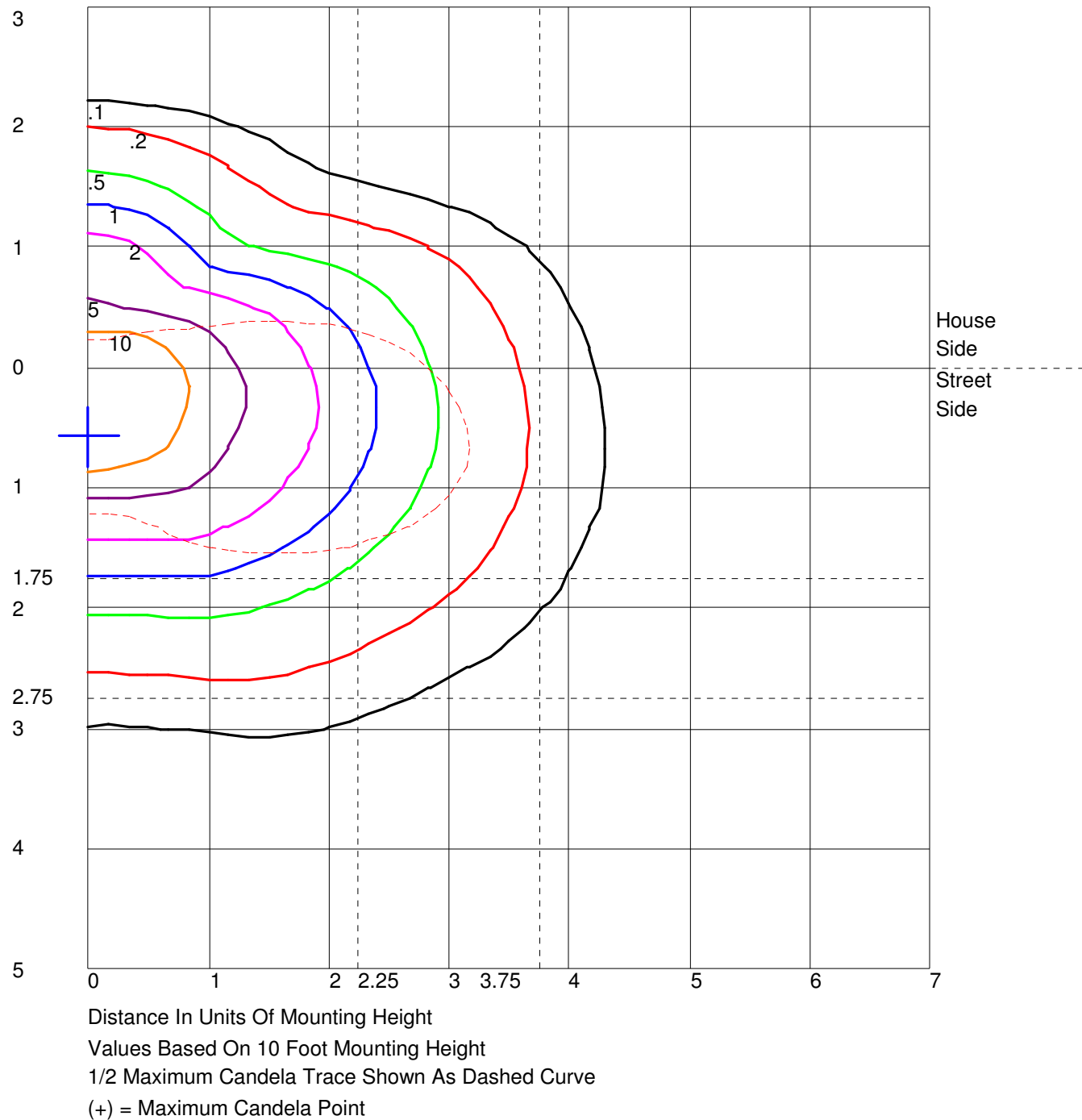
	Lumens	Percent Of Luminaire
Downward Street Side	4508.6	69.0
Downward House Side	2022.4	31.0
Downward Total	6531.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6531.0	100.0

POLAR GRAPH



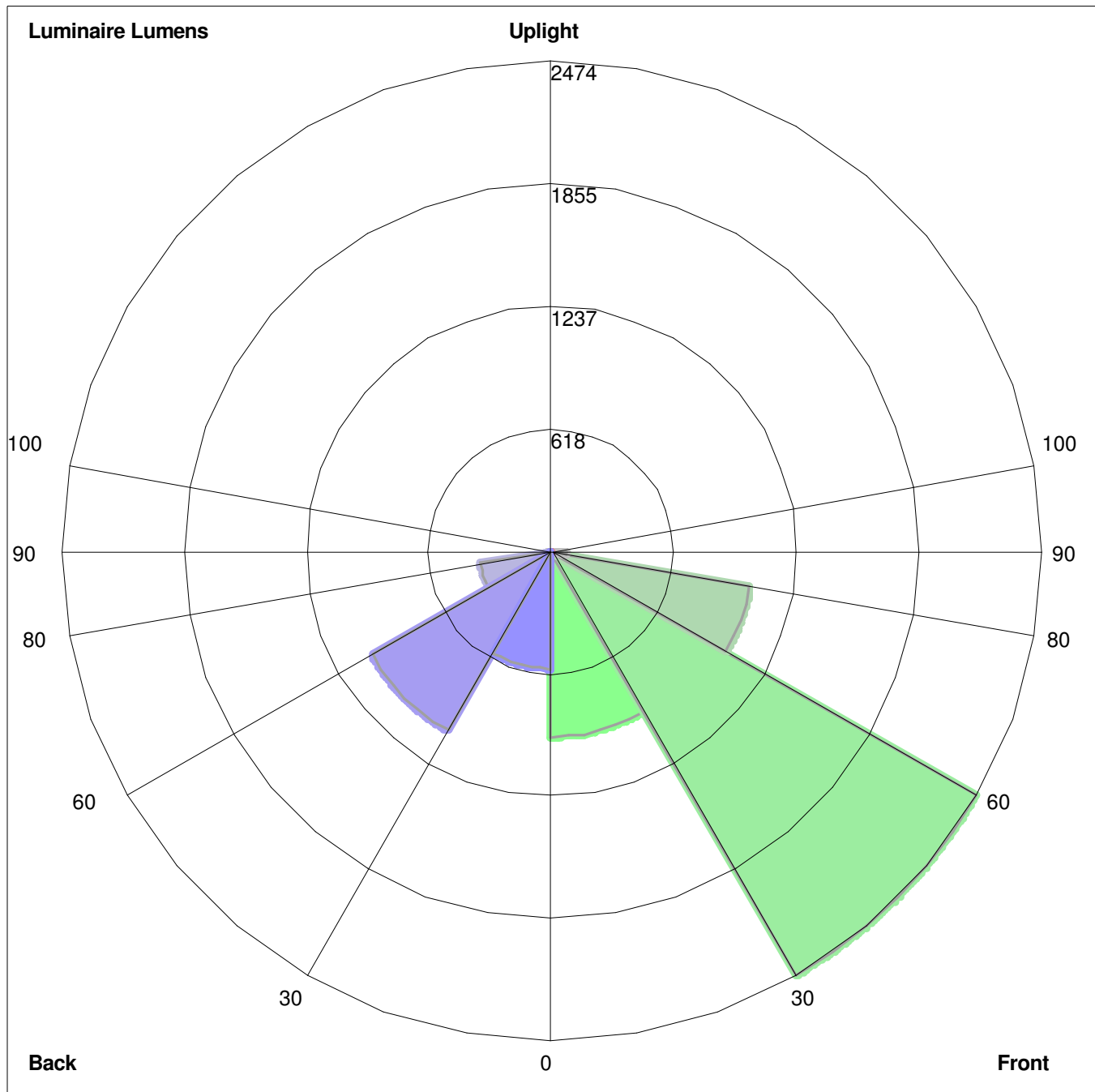
Maximum Candela = 2753.567 Located At Horizontal Angle = 0, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=935.7, Medium= 2474.0, High=1020.3, Very High=78.6  
Back: Low=591.9, Medium=1047.6, High=363.4, Very High=19.6  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1