



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 14773930.01  
[TESTLAB] UL Verification Services Inc.  
[ISSUE DATE] 2024-01-31  
[TEST DATE] 4/25/2023  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] VWPx-L60-830-T2-xxx-CGL-DIM-UNV  
[LUMINAIRE] CAST ALUMINUM LED WALL PACK  
[LAMP] 8 white LEDs  
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER  
[ \_SEARCH\_SOURCE TYPE] 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	5516
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3116.508
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	3116.508
Maximum Candela Angle (<90 Degrees Vertical)	60H 45V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	204.615 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	887.0	N.A.	16.1
FM - Front-Medium (30-60)	2198.9	N.A.	39.9
FH - Front-High (60-80)	850.0	N.A.	15.4
FVH - Front-Very High (80-90)	14.7	N.A.	0.3
BL - Back-Low (0-30)	494.0	N.A.	9.0
BM - Back-Medium (30-60)	751.7	N.A.	13.6
BH - Back-High (60-80)	318.0	N.A.	5.8
BVH - Back-Very High (80-90)	1.9	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5516.2	N.A.	100.0
BUG Rating	B1-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<u><b>0.0</b></u>	<u><b>5.0</b></u>	<u><b>15.0</b></u>	<u><b>25.0</b></u>	<u><b>35.0</b></u>	<u><b>45.0</b></u>	<u><b>55.0</b></u>	<u><b>60.0</b></u>	<u><b>62.5</b></u>	<u><b>65.0</b></u>
<b>0.0</b>	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581
<b>2.5</b>	1658.371	1672.426	1663.026	1647.511	1646.781	1654.629	1641.122	1629.349	1620.679	1617.758
<b>5.0</b>	1729.375	1744.434	1732.204	1711.305	1705.099	1703.000	1677.628	1659.649	1647.237	1641.487
<b>7.5</b>	1813.886	1830.770	1813.886	1782.400	1763.417	1749.271	1711.670	1689.219	1672.974	1664.212
<b>10.0</b>	1976.246	1990.118	1964.382	1909.167	1855.503	1808.319	1743.886	1713.039	1692.413	1680.366
<b>12.5</b>	2138.789	2155.399	2122.361	2054.460	1983.821	1903.143	1784.773	1736.768	1709.479	1691.318
<b>15.0</b>	2318.580	2335.555	2293.300	2201.305	2104.564	2004.630	1850.848	1774.369	1735.399	1707.654
<b>17.5</b>	2498.007	2522.101	2470.171	2361.110	2237.537	2103.378	1927.146	1833.782	1780.575	1740.236
<b>20.0</b>	2666.207	2700.706	2639.832	2515.256	2366.768	2209.063	1997.967	1898.489	1839.897	1788.788
<b>22.5</b>	2780.653	2826.195	2766.051	2643.209	2487.146	2310.184	2073.352	1960.822	1899.219	1843.456
<b>25.0</b>	2804.200	2853.026	2807.303	2719.050	2581.970	2409.389	2159.323	2037.211	1969.036	1908.163
<b>27.5</b>	2714.943	2772.531	2756.742	2714.304	2640.562	2502.570	2251.683	2130.484	2057.381	1988.567
<b>30.0</b>	2580.784	2639.558	2622.948	2617.472	2630.888	2576.768	2356.181	2239.271	2159.141	2084.486
<b>32.5</b>	2483.587	2543.000	2511.879	2495.086	2576.403	2642.935	2488.606	2362.296	2280.614	2201.761
<b>35.0</b>	2399.988	2453.469	2415.230	2393.326	2500.197	2705.634	2647.316	2526.572	2426.273	2343.130
<b>37.5</b>	2248.398	2300.327	2299.141	2300.784	2445.438	2754.552	2831.579	2715.673	2612.179	2501.475
<b>40.0</b>	1941.018	1985.373	2062.309	2175.477	2397.250	2763.313	2986.729	2906.051	2804.930	2685.191
<b>42.5</b>	1518.371	1552.322	1701.357	1955.438	2301.057	2702.440	3058.098	3057.003	2974.500	2866.807
<b>45.0</b>	1125.111	1160.066	1318.228	1641.944	2110.770	2548.567	3031.175	3116.508	3062.753	2974.591
<b>47.5</b>	670.978	720.170	924.694	1294.134	1838.528	2375.347	2929.050	3038.933	3029.441	2981.071
<b>50.0</b>	432.504	455.959	589.296	951.435	1564.186	2238.815	2821.723	2925.034	2940.914	2909.610
<b>52.5</b>	214.655	223.872	348.814	650.717	1295.868	2100.731	2651.514	2792.335	2837.238	2833.404
<b>55.0</b>	181.799	181.252	195.580	404.942	1031.109	1925.138	2419.063	2597.668	2660.093	2648.046
<b>57.5</b>	161.082	160.170	163.546	242.673	775.750	1727.732	2282.166	2519.910	2575.308	2570.471
<b>60.0</b>	144.746	143.286	145.658	167.471	543.208	1546.389	2402.361	2658.085	2731.279	2757.563
<b>62.5</b>	133.155	130.965	131.421	141.095	377.653	1353.912	2492.896	2874.382	3014.200	3093.144
<b>65.0</b>	122.934	121.017	119.374	126.767	276.897	1104.029	2296.494	2821.449	3015.751	3109.115
<b>67.5</b>	111.708	110.795	108.879	115.632	222.047	946.233	1938.098	2410.849	2534.421	2582.974
<b>70.0</b>	98.383	98.018	97.836	105.411	177.145	765.346	1607.719	2001.983	2069.975	2048.893
<b>72.5</b>	83.051	82.960	83.964	96.010	146.571	631.643	1149.297	1360.848	1414.786	1408.215
<b>75.0</b>	65.619	66.258	68.357	87.523	119.831	458.605	652.269	781.317	854.147	861.083
<b>77.5</b>	45.997	47.458	50.834	70.639	90.078	242.034	381.943	387.327	380.391	364.146
<b>80.0</b>	25.098	27.379	29.570	46.819	63.977	110.613	204.615	153.690	123.299	105.502
<b>82.5</b>	14.511	15.515	16.519	27.836	41.891	56.128	91.904	73.194	61.786	54.668
<b>85.0</b>	7.392	7.758	7.940	14.237	25.463	33.950	33.403	31.121	28.292	26.923
<b>87.5</b>	2.920	3.194	3.194	5.202	8.853	11.864	8.853	10.039	9.948	9.765
<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>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES

## 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>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	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581
2.5	1608.814	1601.331	1605.620	1600.144	1591.383	1584.447	1577.237	1581.709	1585.086	1582.165
5.0	1628.345	1619.036	1619.949	1610.640	1599.505	1589.101	1578.606	1579.792	1580.249	1575.138
7.5	1648.606	1634.186	1632.817	1620.314	1605.438	1592.387	1577.784	1576.872	1573.951	1565.920
10.0	1660.562	1644.590	1640.666	1625.060	1606.898	1589.193	1573.312	1568.475	1562.543	1551.318
12.5	1668.319	1649.336	1641.670	1622.960	1602.974	1582.530	1563.182	1555.790	1547.485	1533.247
15.0	1675.164	1651.526	1641.852	1619.492	1597.041	1573.860	1550.770	1541.279	1529.597	1513.899
17.5	1694.147	1661.565	1645.047	1618.580	1593.573	1567.380	1542.465	1529.414	1515.086	1497.198
20.0	1726.546	1681.096	1653.352	1621.500	1591.383	1562.087	1533.612	1519.375	1503.312	1482.687
22.5	1771.357	1710.666	1668.684	1627.341	1592.387	1558.071	1527.041	1510.157	1491.722	1469.362
25.0	1830.314	1760.040	1700.444	1645.047	1601.970	1561.539	1526.037	1507.693	1485.972	1462.061
27.5	1902.413	1826.663	1753.287	1678.906	1623.234	1575.868	1534.616	1513.169	1489.805	1462.973
30.0	1989.388	1906.611	1823.013	1730.744	1658.828	1600.418	1553.143	1528.228	1502.217	1473.469
32.5	2098.358	2008.371	1913.182	1806.859	1716.598	1641.031	1584.264	1555.790	1526.585	1495.190
35.0	2229.415	2128.385	2021.787	1901.683	1794.264	1695.881	1628.163	1593.847	1559.988	1525.946
37.5	2371.514	2256.794	2137.694	2002.257	1877.954	1753.652	1669.779	1625.607	1587.093	1550.040
40.0	2521.279	2387.394	2245.021	2093.704	1953.248	1808.867	1701.539	1644.225	1600.783	1560.262
42.5	2690.849	2524.747	2354.265	2181.318	2021.514	1861.253	1733.756	1661.474	1611.187	1569.206
45.0	2832.948	2648.958	2451.097	2260.171	2087.498	1915.829	1776.194	1689.219	1632.087	1586.637
47.5	2874.017	2720.966	2511.057	2300.875	2132.400	1967.667	1825.659	1730.288	1669.414	1622.322
50.0	2847.185	2724.252	2510.875	2301.879	2139.428	1996.324	1874.395	1782.400	1730.927	1691.044
52.5	2772.166	2633.626	2406.377	2244.108	2131.853	2036.846	1968.580	1918.384	1899.128	1880.327
55.0	2580.236	2461.957	2321.044	2229.049	2197.381	2168.176	2154.395	2142.531	2141.618	2125.555
57.5	2512.244	2463.782	2423.535	2391.957	2385.021	2378.176	2372.791	2348.515	2315.660	2267.837
60.0	2734.200	2741.227	2723.887	2675.334	2622.127	2586.990	2517.629	2444.434	2378.267	2304.982
62.5	3107.746	3111.853	3052.440	2928.502	2789.597	2665.112	2556.599	2443.065	2312.557	2188.254
65.0	3105.465	3042.766	2921.384	2774.447	2608.346	2477.655	2372.609	2272.674	2138.150	2014.395
67.5	2582.153	2505.764	2393.600	2279.610	2156.950	2034.929	1943.117	1869.466	1776.559	1694.147
70.0	1997.967	1910.353	1808.958	1706.742	1613.651	1504.955	1415.607	1351.630	1271.865	1208.345
72.5	1360.118	1280.535	1199.583	1130.679	1063.873	991.500	925.789	882.621	822.295	782.230
75.0	827.041	760.691	697.080	643.781	588.749	519.844	449.753	414.889	378.110	357.666
77.5	332.295	276.715	226.793	176.323	136.076	110.522	93.546	87.614	81.864	79.127

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**CANDELA TABULATION - (Cont.)**

80.0	92.907	85.150	80.039	73.286	66.532	59.778	53.755	50.196	47.184	45.359
82.5	52.112	49.192	45.450	42.256	38.422	33.677	29.844	27.562	26.102	25.098
85.0	25.828	24.368	22.816	21.447	19.257	16.610	14.237	12.868	11.864	11.226
87.5	9.492	9.218	9.035	8.214	7.210	6.023	5.111	4.563	4.107	3.833
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	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581
2.5	1578.971	1570.757	1560.535	1562.726	1563.091	1567.015	1566.833	1558.619	1561.996	1566.285
5.0	1570.209	1558.254	1546.116	1545.751	1546.207	1547.758	1546.207	1537.172	1541.005	1545.020
7.5	1558.345	1544.199	1531.422	1530.692	1527.863	1528.958	1528.045	1518.097	1520.927	1522.843
10.0	1543.013	1527.133	1513.352	1510.066	1508.332	1508.241	1506.963	1495.737	1496.650	1497.745
12.5	1522.022	1506.233	1491.266	1487.615	1483.599	1483.325	1480.222	1466.898	1465.346	1462.061
15.0	1501.305	1484.421	1468.632	1463.430	1458.775	1456.676	1449.192	1434.864	1430.027	1421.448
17.5	1482.869	1465.164	1448.919	1442.165	1435.594	1431.305	1419.805	1402.100	1393.065	1379.557
20.0	1465.985	1447.093	1430.118	1422.087	1412.230	1404.838	1389.597	1367.876	1353.365	1335.385
22.5	1451.474	1431.578	1412.960	1401.826	1388.045	1377.367	1356.924	1331.917	1313.938	1295.046
25.0	1443.078	1420.992	1399.544	1384.395	1367.419	1351.357	1325.803	1299.062	1279.988	1260.822

# IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES

## CANDELA TABULATION - (Cont.)

27.5	1442.895	1417.889	1393.977	1373.443	1351.630	1331.644	1301.526	1272.595	1251.057	1235.359
30.0	1451.200	1423.638	1396.076	1370.979	1345.059	1319.323	1284.733	1254.890	1233.534	1215.098
32.5	1471.187	1439.610	1409.401	1379.466	1348.162	1317.863	1279.440	1249.779	1223.769	1199.127
35.0	1499.479	1464.251	1430.757	1395.438	1358.384	1324.434	1285.007	1252.334	1219.935	1188.449
37.5	1521.657	1484.056	1447.093	1408.853	1368.514	1332.647	1290.483	1254.342	1215.920	1177.406
40.0	1531.422	1490.353	1451.018	1408.853	1367.693	1330.366	1285.829	1245.581	1202.048	1157.693
42.5	1536.989	1492.361	1449.375	1404.016	1361.213	1322.973	1273.417	1229.336	1184.160	1131.044
45.0	1553.234	1504.955	1457.406	1407.941	1362.308	1321.057	1265.568	1217.198	1166.454	1101.565
47.5	1585.542	1534.069	1481.591	1424.003	1375.359	1328.814	1267.758	1214.460	1153.038	1071.722
50.0	1661.474	1616.024	1568.567	1512.987	1463.795	1418.710	1349.440	1282.999	1208.527	1105.490
52.5	1865.998	1831.318	1790.796	1732.387	1673.521	1628.619	1546.572	1468.814	1372.165	1230.340
55.0	2104.199	2056.833	1998.789	1933.626	1868.736	1811.240	1712.217	1613.104	1471.917	1252.334
57.5	2225.216	2161.970	2094.799	2019.871	1941.474	1860.340	1733.573	1577.967	1369.792	1109.414
60.0	2223.847	2129.480	2040.040	1939.740	1848.932	1736.768	1587.276	1418.254	1205.607	942.491
62.5	2066.598	1940.105	1844.916	1759.310	1686.116	1594.668	1467.902	1307.550	1090.248	821.748
65.0	1903.417	1785.868	1701.904	1634.642	1575.229	1498.932	1388.866	1230.431	1002.269	742.530
67.5	1635.829	1542.191	1475.112	1433.312	1406.024	1357.745	1278.893	1129.948	918.579	686.858
70.0	1177.862	1115.529	1072.908	1056.207	1065.972	1042.973	1020.431	921.044	754.577	571.317
72.5	759.596	717.980	687.588	673.077	683.938	675.815	683.755	617.953	501.500	368.983
75.0	353.833	329.283	316.689	320.522	344.616	339.596	347.627	304.185	216.024	141.460
77.5	79.400	75.476	73.833	74.746	79.400	81.499	93.364	87.979	67.445	49.465
80.0	44.994	43.716	43.351	42.438	41.982	39.061	33.585	25.372	19.257	14.694
82.5	25.007	24.915	24.824	24.459	23.546	18.801	11.864	8.488	5.750	3.924
85.0	11.591	11.591	11.499	11.134	9.309	5.932	4.016	2.829	2.008	1.369
87.5	4.016	3.833	3.651	3.103	2.190	1.643	1.278	1.095	0.913	0.821
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

PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES

## 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

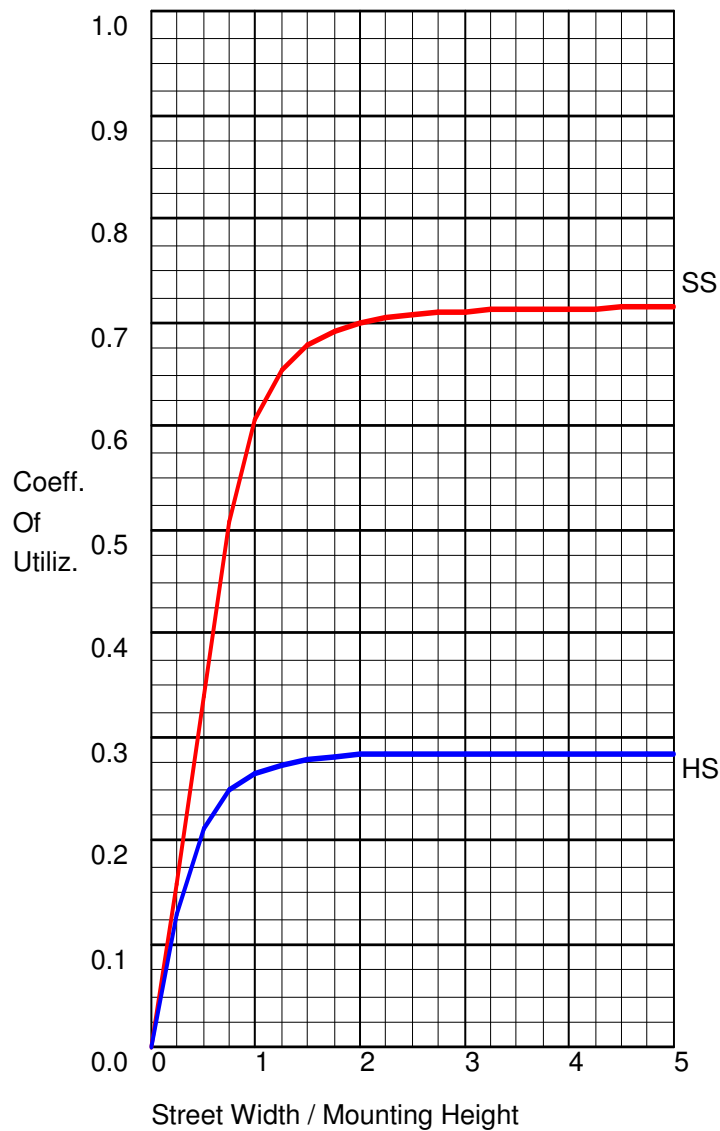
	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581	1595.581
2.5	1564.551	1568.293	1572.491	1572.309	1557.067	1551.774	1562.452	1570.940	1555.060
5.0	1542.648	1543.925	1546.846	1545.112	1525.307	1513.808	1520.014	1525.581	1513.169
7.5	1520.835	1521.018	1519.649	1509.062	1478.762	1457.041	1453.847	1454.029	1442.986
10.0	1491.996	1488.619	1482.595	1456.859	1413.690	1383.664	1380.288	1382.934	1372.621
12.5	1454.121	1447.276	1431.487	1390.144	1348.984	1337.576	1356.468	1371.435	1363.495
15.0	1410.587	1398.632	1373.808	1334.929	1323.795	1327.263	1326.715	1324.616	1317.680
17.5	1364.499	1349.349	1322.882	1310.470	1302.439	1265.294	1237.276	1221.943	1216.467
20.0	1319.414	1304.173	1287.836	1287.380	1235.816	1163.169	1105.307	1058.306	1055.203
22.5	1279.531	1269.675	1262.830	1233.899	1137.432	997.158	791.539	642.686	638.214
25.0	1248.866	1242.387	1231.526	1154.955	986.572	655.554	463.168	392.530	391.161
27.5	1223.495	1213.638	1187.902	1052.921	723.455	408.683	296.063	257.093	255.998
30.0	1198.306	1183.065	1133.143	896.311	462.347	274.798	221.499	210.822	211.734
32.5	1175.398	1150.574	1070.079	696.350	317.510	215.020	199.505	195.672	197.041
35.0	1156.507	1116.533	992.413	494.655	237.653	194.850	188.097	185.815	186.819
37.5	1135.059	1079.662	893.573	347.901	202.151	183.625	179.335	178.149	178.149
40.0	1103.938	1028.918	784.603	268.318	184.537	174.498	172.217	171.030	170.117
42.5	1063.782	961.383	676.819	222.595	172.764	166.923	165.554	164.094	162.086
45.0	1016.050	888.006	571.500	195.580	164.276	161.173	159.348	157.158	154.967
47.5	964.029	818.188	476.584	177.875	157.067	155.150	152.777	150.313	147.940
50.0	972.243	802.947	443.455	169.205	150.496	147.575	144.472	142.555	140.365
52.5	1062.778	852.504	427.028	161.721	145.567	138.449	136.715	136.076	134.342
55.0	1014.316	758.501	340.874	154.329	139.726	131.147	129.596	131.147	129.870
57.5	865.281	625.893	276.350	145.750	131.604	124.120	122.842	125.854	125.033
60.0	720.535	515.737	231.904	133.977	121.838	116.180	114.811	119.374	119.739
62.5	620.144	443.273	202.608	119.283	108.970	104.681	97.379	101.213	103.038
65.0	554.159	389.153	175.411	102.673	92.360	75.020	60.326	52.751	54.485
67.5	515.463	357.028	154.420	83.781	62.790	36.597	21.538	13.416	15.424
70.0	443.090	324.994	138.357	55.033	27.379	8.761	2.647	2.190	2.099
72.5	279.726	203.155	90.900	27.288	5.293	1.825	1.643	1.643	1.643
75.0	112.986	79.765	43.168	4.563	1.552	1.095	0.821	0.730	0.821
77.5	38.057	29.205	9.765	1.369	0.821	0.456	0.274	0.274	0.274
80.0	10.313	5.567	1.643	0.730	0.365	0.183	0.183	0.183	0.183
82.5	2.647	1.643	0.821	0.365	0.274	0.183	0.183	0.183	0.183
85.0	1.004	0.821	0.548	0.274	0.183	0.183	0.091	0.183	0.183
87.5	0.639	0.548	0.456	0.274	0.183	0.183	0.091	0.183	0.183
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****PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-CGL-DIM-UNV\_.IES****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



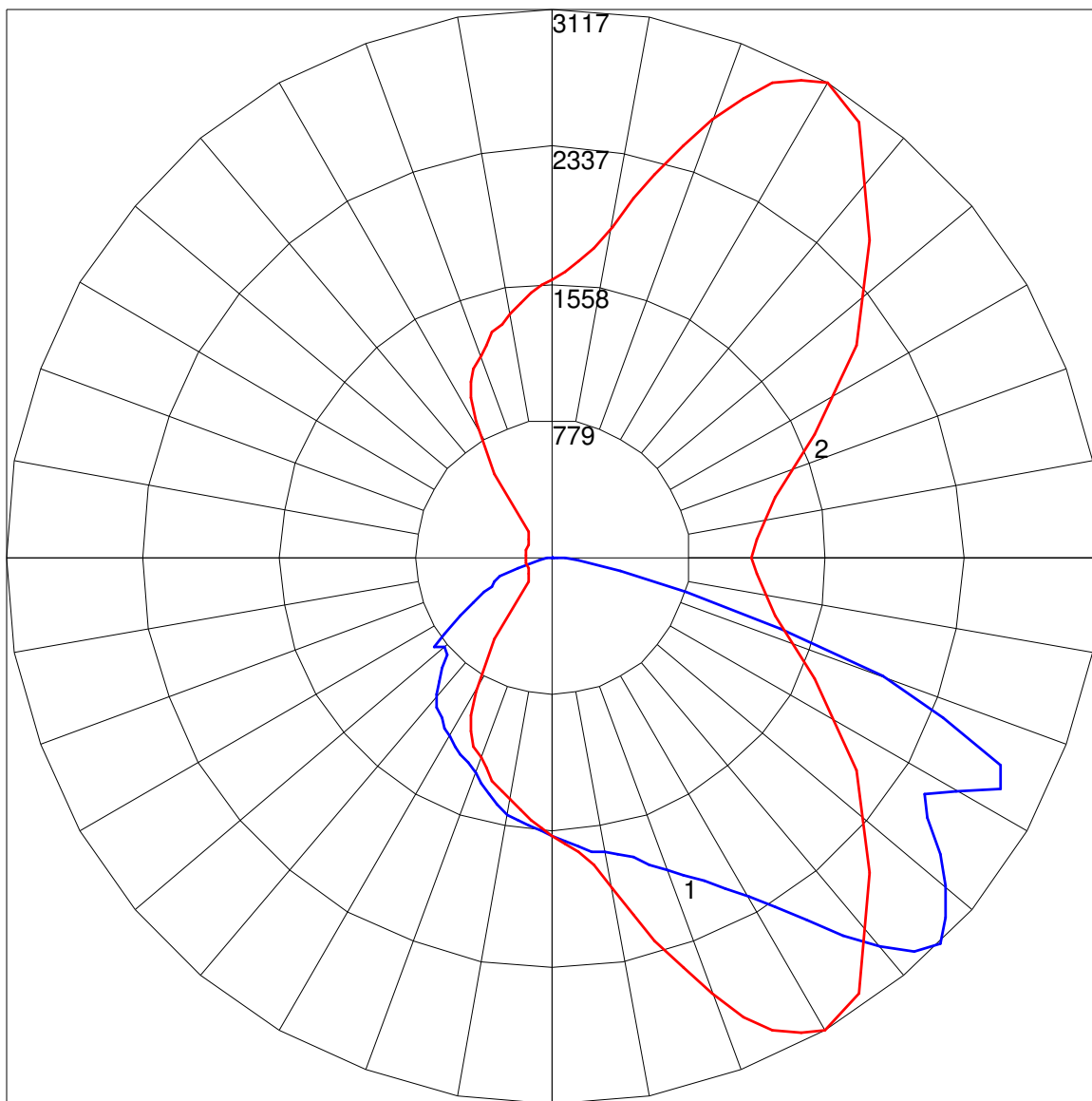
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

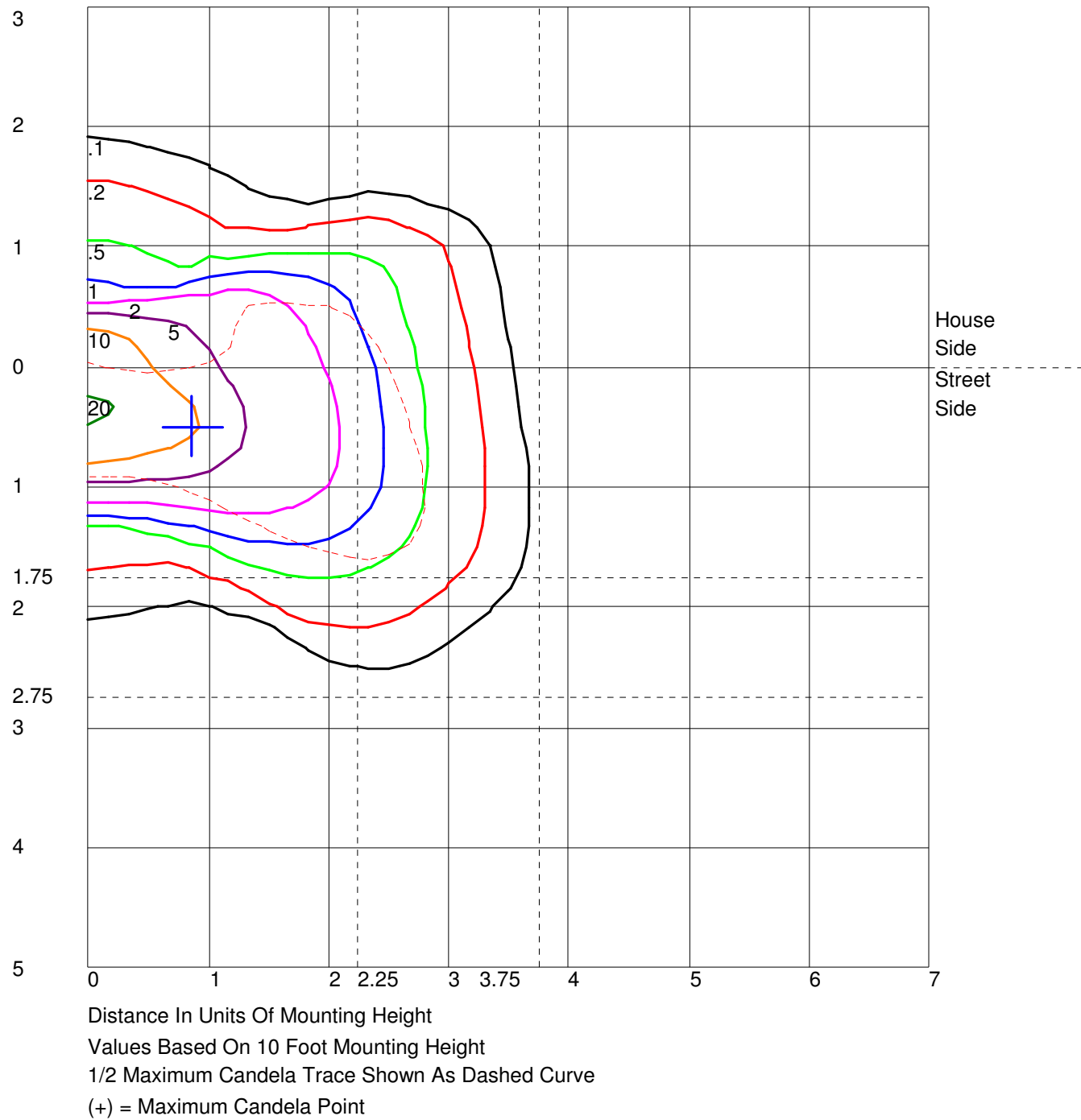
	Lumens	Percent Of Luminaire
Downward Street Side	3950.6	71.6
Downward House Side	1565.7	28.4
Downward Total	5516.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5516.3	100.0

POLAR GRAPH

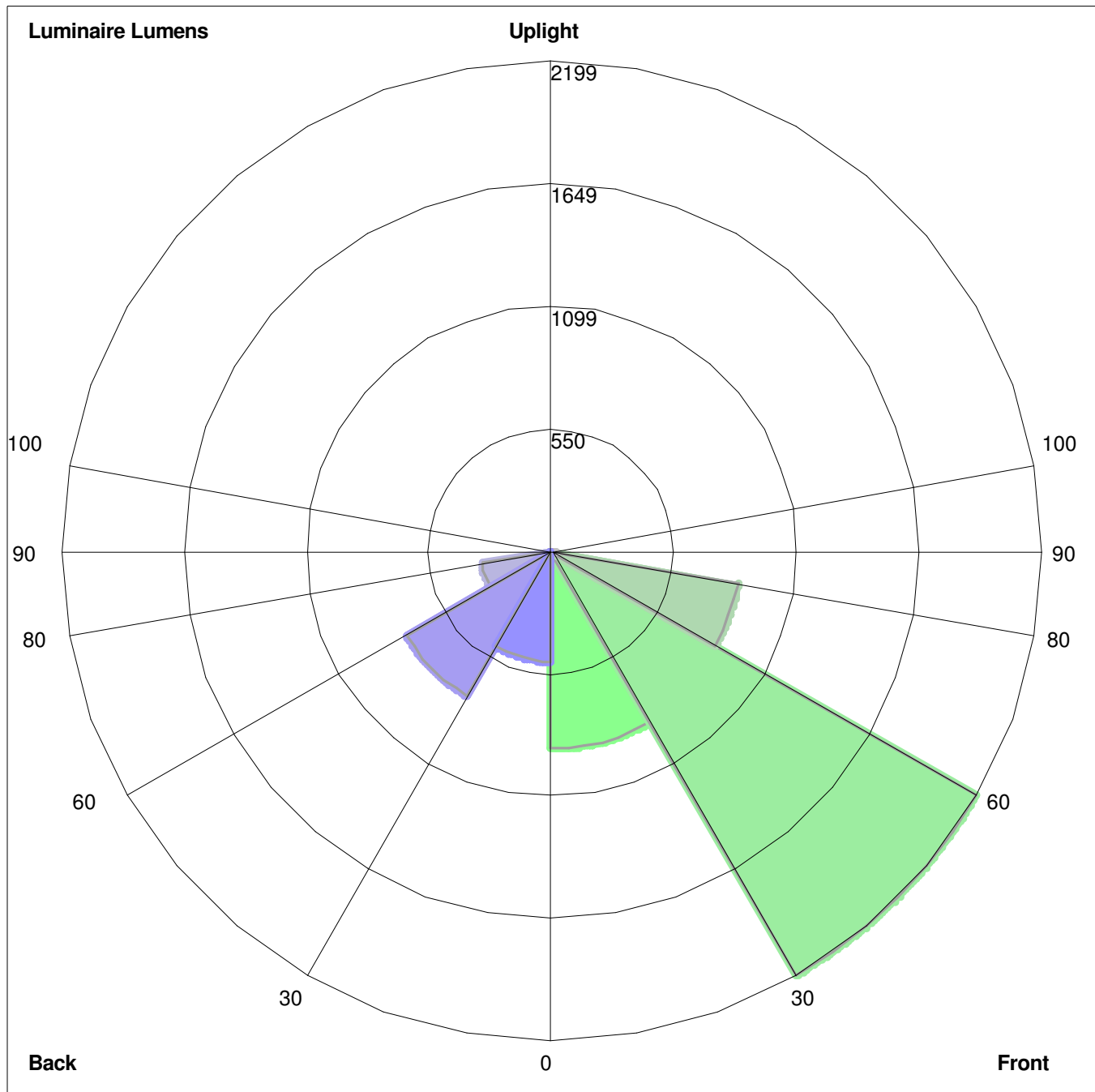


Maximum Candela = 3116.508 Located At Horizontal Angle = 60, Vertical Angle = 45  
# 1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=887.0, Medium=2198.9, High=850.0, Very High=14.7  
Back: Low=494.0, Medium=751.7, High=318.0, Very High=1.9  
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1