



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-850-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
[MANUFACT] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-850-T2-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 white LEDs
[BALLAST] UNIVERSAL VOLTAGE LED DRIVER
[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	6029
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3406.415
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	3406.415
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	223.649 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-850-T2-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	969.5	N.A.	16.1
FM - Front-Medium (30-60)	2403.5	N.A.	39.9
FH - Front-High (60-80)	929.1	N.A.	15.4
FVH - Front-Very High (80-90)	16.0	N.A.	0.3
BL - Back-Low (0-30)	540.0	N.A.	9.0
BM - Back-Medium (30-60)	821.6	N.A.	13.6
BH - Back-High (60-80)	347.6	N.A.	5.8
BVH - Back-Very High (80-90)	2.1	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	6029.4	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>
0.0	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007
2.5	1812.638	1828.000	1817.726	1800.767	1799.969	1808.548	1793.785	1780.916	1771.440	1768.248
5.0	1890.247	1906.707	1893.340	1870.496	1863.713	1861.418	1833.686	1814.035	1800.468	1794.184
7.5	1982.620	2001.074	1982.620	1948.205	1927.456	1911.994	1870.895	1846.355	1828.599	1819.023
10.0	2160.083	2175.246	2147.115	2086.764	2028.108	1976.535	1906.108	1872.391	1849.847	1836.679
12.5	2337.746	2355.901	2319.790	2245.573	2168.363	2080.180	1950.798	1898.327	1868.501	1848.650
15.0	2534.262	2552.816	2506.630	2406.078	2300.338	2191.107	2023.020	1939.426	1896.831	1866.506
17.5	2730.379	2756.714	2699.954	2580.748	2445.680	2299.041	2106.415	2004.366	1946.209	1902.118
20.0	2914.227	2951.934	2885.398	2749.233	2586.932	2414.557	2183.825	2075.092	2011.050	1955.187
22.5	3039.319	3089.096	3023.358	2889.089	2718.509	2525.085	2266.222	2143.225	2075.890	2014.940
25.0	3065.055	3118.424	3068.447	2971.985	2822.153	2633.518	2360.190	2226.719	2152.202	2085.666
27.5	2967.496	3030.441	3013.183	2966.797	2886.196	2735.367	2461.142	2328.668	2248.765	2173.550
30.0	2820.857	2885.098	2866.943	2860.958	2875.622	2816.467	2575.361	2447.575	2359.991	2278.392
32.5	2714.618	2779.558	2745.542	2727.187	2816.068	2888.789	2720.105	2582.044	2492.764	2406.576
35.0	2623.243	2681.699	2639.902	2615.961	2732.773	2957.321	2893.578	2761.602	2651.972	2561.096
37.5	2457.551	2514.311	2513.014	2514.810	2672.921	3010.789	3094.982	2968.294	2855.172	2734.170
40.0	2121.578	2170.058	2254.152	2377.847	2620.250	3020.365	3264.564	3176.381	3065.854	2934.976
42.5	1659.615	1696.724	1859.623	2137.339	2515.109	2953.829	3342.572	3341.375	3251.197	3133.487
45.0	1229.773	1267.979	1440.853	1794.682	2307.121	2785.643	3313.145	3406.415	3347.660	3251.297
47.5	733.395	787.162	1010.712	1414.518	2009.554	2596.309	3201.520	3321.624	3311.250	3258.380
50.0	472.736	498.373	644.115	1039.940	1709.692	2447.077	3084.208	3197.130	3214.488	3180.272
52.5	234.622	244.698	381.262	711.249	1416.414	2296.148	2898.166	3052.087	3101.167	3096.977
55.0	198.711	198.112	213.774	442.611	1127.026	2104.221	2644.092	2839.311	2907.543	2894.376
57.5	176.067	175.069	178.760	265.247	847.913	1888.452	2494.460	2754.320	2814.871	2809.584
60.0	158.211	156.615	159.208	183.049	593.739	1690.240	2625.837	2905.349	2985.352	3014.081
62.5	145.542	143.148	143.646	154.220	412.784	1479.857	2724.793	3141.767	3294.591	3380.878
65.0	134.369	132.274	130.479	138.559	302.655	1206.730	2510.121	3083.909	3296.286	3398.335
67.5	122.099	121.102	119.007	126.389	242.703	1034.254	2118.386	2635.114	2770.181	2823.251
70.0	107.535	107.136	106.937	115.216	193.623	836.541	1757.275	2188.214	2262.531	2239.488
72.5	90.777	90.677	91.774	104.942	160.206	690.401	1256.208	1487.439	1546.394	1539.211
75.0	71.723	72.422	74.716	95.665	130.978	501.266	712.945	853.998	933.602	941.183
77.5	50.276	51.872	55.563	77.210	98.458	264.549	417.472	423.358	415.777	398.020
80.0	27.432	29.926	32.320	51.174	69.928	120.902	223.649	167.987	134.768	115.316
82.5	15.861	16.958	18.056	30.425	45.787	61.349	100.453	80.003	67.534	59.753
85.0	8.080	8.479	8.679	15.562	27.831	37.109	36.510	34.016	30.924	29.428
87.5	3.192	3.491	3.491	5.686	9.676	12.968	9.676	10.973	10.873	10.674
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>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	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007
2.5	1758.472	1750.292	1754.980	1748.995	1739.418	1731.837	1723.957	1728.845	1732.535	1729.343
5.0	1779.819	1769.644	1770.642	1760.467	1748.297	1736.925	1725.453	1726.750	1727.248	1721.662
7.5	1801.965	1786.203	1784.707	1771.041	1754.781	1740.516	1724.555	1723.558	1720.365	1711.587
10.0	1815.032	1797.575	1793.286	1776.228	1756.377	1737.024	1719.667	1714.380	1707.896	1695.626
12.5	1823.512	1802.763	1794.383	1773.934	1752.087	1729.742	1708.594	1700.514	1691.437	1675.875
15.0	1830.993	1805.157	1794.583	1770.143	1745.603	1720.266	1695.028	1684.653	1671.885	1654.727
17.5	1851.742	1816.130	1798.074	1769.145	1741.813	1713.183	1685.950	1671.685	1656.024	1636.472
20.0	1887.155	1837.477	1807.152	1772.337	1739.418	1707.397	1676.274	1660.712	1643.155	1620.611
22.5	1936.134	1869.798	1823.911	1778.722	1740.516	1703.008	1669.092	1650.637	1630.487	1606.047
25.0	2000.576	1923.765	1858.625	1798.074	1750.990	1706.799	1667.994	1647.944	1624.202	1598.066
27.5	2079.382	1996.585	1916.383	1835.083	1774.233	1722.460	1677.371	1653.929	1628.392	1599.064
30.0	2174.448	2083.970	1992.595	1891.744	1813.137	1749.294	1697.621	1670.388	1641.958	1610.536
32.5	2293.555	2195.197	2091.153	1974.939	1876.282	1793.685	1731.638	1700.514	1668.593	1634.277
35.0	2436.802	2326.374	2209.861	2078.584	1961.173	1853.637	1779.620	1742.112	1705.103	1667.895
37.5	2592.120	2466.728	2336.549	2188.513	2052.647	1916.782	1825.108	1776.826	1734.730	1694.230
40.0	2755.817	2609.477	2453.860	2288.467	2134.945	1977.133	1859.822	1797.176	1749.693	1705.402
42.5	2941.160	2759.607	2573.266	2384.231	2209.561	2034.392	1895.035	1816.030	1761.065	1715.178
45.0	3096.478	2895.373	2679.105	2470.419	2281.684	2094.046	1941.421	1846.355	1783.909	1734.231
47.5	3141.368	2974.079	2744.644	2514.910	2330.763	2150.706	1995.488	1891.245	1824.709	1773.235
50.0	3112.040	2977.671	2744.445	2516.007	2338.444	2182.029	2048.757	1948.205	1891.943	1848.350
52.5	3030.042	2878.614	2630.226	2452.862	2330.164	2226.320	2151.704	2096.839	2075.791	2055.241
55.0	2820.258	2690.976	2536.955	2436.403	2401.788	2369.867	2354.804	2341.836	2340.838	2323.281
57.5	2745.941	2692.971	2648.980	2614.465	2606.883	2599.402	2593.516	2566.981	2531.070	2478.799
60.0	2988.544	2996.225	2977.272	2924.202	2866.045	2827.640	2751.826	2671.823	2599.501	2519.399
62.5	3396.839	3401.328	3336.388	3200.921	3049.095	2913.030	2794.422	2670.327	2527.678	2391.813
65.0	3394.345	3325.814	3193.140	3032.536	2850.982	2708.134	2593.317	2484.086	2337.047	2201.780
67.5	2822.353	2738.858	2616.260	2491.667	2357.597	2224.225	2123.872	2043.370	1941.820	1851.742
70.0	2183.825	2088.060	1977.233	1865.508	1763.759	1644.951	1547.291	1477.364	1390.178	1320.749
72.5	1486.641	1399.655	1311.173	1235.858	1162.838	1083.732	1011.909	964.725	898.788	854.995
75.0	903.975	831.453	761.925	703.668	643.516	568.201	491.590	453.484	413.283	390.938
77.5	363.206	302.456	247.890	192.726	148.734	120.803	102.248	95.764	89.480	86.487

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CANDELA TABULATION - (Cont.)

80.0	101.550	93.071	87.485	80.103	72.721	65.339	58.755	54.865	51.573	49.578
82.5	56.960	53.768	49.678	46.186	41.997	36.809	32.620	30.126	28.530	27.432
85.0	28.231	26.634	24.939	23.442	21.048	18.155	15.562	14.065	12.968	12.270
87.5	10.374	10.075	9.876	8.978	7.881	6.584	5.586	4.988	4.489	4.190
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	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007
2.5	1725.852	1716.874	1705.701	1708.096	1708.495	1712.784	1712.585	1703.607	1707.298	1711.986
5.0	1716.275	1703.208	1689.940	1689.541	1690.040	1691.736	1690.040	1680.164	1684.354	1688.743
7.5	1703.307	1687.845	1673.880	1673.082	1669.989	1671.186	1670.189	1659.316	1662.408	1664.503
10.0	1686.549	1669.191	1654.128	1650.537	1648.642	1648.542	1647.146	1634.876	1635.873	1637.070
12.5	1663.605	1646.348	1629.988	1625.998	1621.608	1621.309	1617.918	1603.353	1601.658	1598.066
15.0	1640.961	1622.506	1605.249	1599.563	1594.475	1592.181	1584.001	1568.340	1563.053	1553.676
17.5	1620.810	1601.458	1583.702	1576.320	1569.138	1564.449	1551.880	1532.528	1522.652	1507.888
20.0	1602.356	1581.707	1563.152	1554.374	1543.600	1535.520	1518.861	1495.120	1479.259	1459.607
22.5	1586.495	1564.748	1544.399	1532.228	1517.166	1505.494	1483.149	1455.817	1436.165	1415.516
25.0	1577.318	1553.177	1529.735	1513.175	1494.621	1477.064	1449.133	1419.905	1399.056	1378.108

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-850-T2-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	1577.118	1549.785	1523.650	1501.205	1477.364	1455.517	1422.598	1390.976	1367.434	1350.276
30.0	1586.196	1556.070	1525.944	1498.511	1470.181	1442.050	1404.244	1371.624	1348.281	1328.131
32.5	1608.042	1573.527	1540.508	1507.789	1473.573	1440.454	1398.458	1366.038	1337.608	1310.674
35.0	1638.966	1600.461	1563.851	1525.246	1484.745	1447.637	1404.543	1368.831	1333.418	1299.003
37.5	1663.206	1622.107	1581.707	1539.910	1495.818	1456.615	1410.528	1371.025	1329.029	1286.932
40.0	1673.880	1628.990	1585.996	1539.910	1494.920	1454.121	1405.441	1361.449	1313.866	1265.385
42.5	1679.965	1631.185	1584.201	1534.623	1487.838	1446.041	1391.874	1343.693	1294.314	1236.257
45.0	1697.721	1644.951	1592.979	1538.912	1489.035	1443.946	1383.295	1330.425	1274.962	1204.036
47.5	1733.034	1676.773	1619.414	1556.469	1503.300	1452.425	1385.689	1327.433	1260.298	1171.417
50.0	1816.030	1766.352	1714.480	1653.729	1599.962	1550.683	1474.969	1402.348	1320.949	1208.326
52.5	2039.580	2001.673	1957.382	1893.539	1829.198	1780.118	1690.439	1605.448	1499.808	1344.790
55.0	2299.939	2248.166	2184.722	2113.498	2042.572	1979.727	1871.493	1763.160	1608.840	1368.831
57.5	2432.213	2363.083	2289.664	2207.766	2122.077	2033.395	1894.836	1724.755	1497.215	1212.615
60.0	2430.717	2327.571	2229.811	2120.181	2020.926	1898.327	1734.930	1550.184	1317.756	1030.164
62.5	2258.840	2120.580	2016.536	1922.967	1842.964	1743.010	1604.451	1429.182	1191.667	898.189
65.0	2080.479	1951.995	1860.221	1786.702	1721.762	1638.367	1518.063	1344.890	1095.503	811.602
67.5	1787.999	1685.651	1612.331	1566.644	1536.817	1484.047	1397.859	1235.060	1004.029	750.752
70.0	1287.431	1219.299	1172.713	1154.458	1165.132	1139.994	1115.355	1006.722	824.770	624.463
72.5	830.256	784.768	751.550	735.689	747.560	738.682	747.360	675.437	548.151	403.307
75.0	386.748	359.914	346.148	350.338	376.673	371.186	379.965	332.482	236.119	154.619
77.5	86.786	82.497	80.701	81.699	86.786	89.081	102.049	96.163	73.719	54.067
80.0	49.179	47.782	47.383	46.386	45.887	42.695	36.710	27.732	21.048	16.060
82.5	27.333	27.233	27.133	26.734	25.737	20.549	12.968	9.277	6.285	4.289
85.0	12.669	12.669	12.569	12.170	10.175	6.484	4.389	3.092	2.195	1.496
87.5	4.389	4.190	3.990	3.392	2.394	1.796	1.397	1.197	0.998	0.898
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-L60-850-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

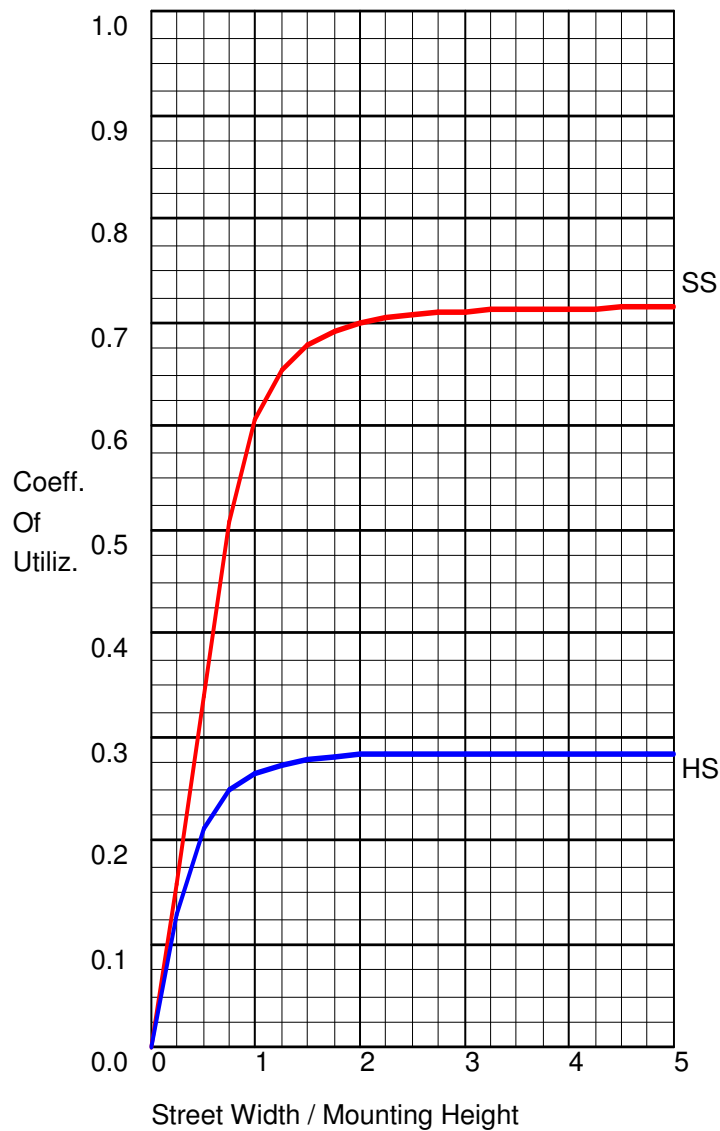
Horizontal Angles

	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007	1744.007
2.5	1710.091	1714.181	1718.769	1718.570	1701.911	1696.125	1707.796	1717.073	1699.716
5.0	1686.150	1687.546	1690.738	1688.843	1667.196	1654.627	1661.411	1667.496	1653.929
7.5	1662.308	1662.508	1661.011	1649.440	1616.321	1592.580	1589.089	1589.288	1577.218
10.0	1630.786	1627.095	1620.511	1592.380	1545.197	1512.377	1508.686	1511.579	1500.307
12.5	1589.388	1581.906	1564.649	1519.460	1474.471	1462.001	1482.651	1499.010	1490.332
15.0	1541.805	1528.737	1501.604	1459.108	1446.938	1450.729	1450.131	1447.836	1440.255
17.5	1491.429	1474.870	1445.941	1432.374	1423.596	1382.996	1352.371	1335.612	1329.627
20.0	1442.150	1425.491	1407.635	1407.136	1350.775	1271.371	1208.126	1156.753	1153.361
22.5	1398.558	1387.784	1380.302	1348.680	1243.240	1089.917	865.170	702.471	697.583
25.0	1365.040	1357.957	1346.087	1262.393	1078.346	716.536	506.254	429.044	427.548
27.5	1337.308	1326.535	1298.404	1150.867	790.754	446.700	323.603	281.008	279.811
30.0	1309.776	1293.117	1238.551	979.689	505.356	300.361	242.104	230.433	231.430
32.5	1284.738	1257.604	1169.621	761.127	347.046	235.022	218.063	213.874	215.370
35.0	1264.089	1220.396	1084.730	540.669	259.761	212.976	205.594	203.100	204.197
37.5	1240.646	1180.095	976.696	380.264	220.956	200.706	196.018	194.721	194.721
40.0	1206.630	1124.632	857.589	293.278	201.704	190.731	188.237	186.940	185.942
42.5	1162.738	1050.813	739.779	243.301	188.835	182.451	180.955	179.359	177.164
45.0	1110.566	970.611	624.662	213.774	179.558	176.166	174.171	171.777	169.383
47.5	1053.706	894.299	520.918	194.421	171.677	169.583	166.989	164.296	161.702
50.0	1062.684	877.640	484.707	184.945	164.495	161.303	157.911	155.816	153.422
52.5	1161.641	931.806	466.751	176.765	159.108	151.328	149.432	148.734	146.839
55.0	1108.671	829.059	372.583	168.685	152.724	143.347	141.651	143.347	141.951
57.5	945.772	684.116	302.057	159.308	143.846	135.666	134.270	137.561	136.664
60.0	787.561	563.712	253.476	146.440	133.172	126.987	125.491	130.479	130.878
62.5	677.832	484.507	221.455	130.379	119.107	114.418	106.438	110.628	112.623
65.0	605.709	425.353	191.728	112.224	100.952	81.998	65.938	57.658	59.553
67.5	563.413	390.239	168.785	91.575	68.631	40.002	23.542	14.664	16.859
70.0	484.308	355.226	151.228	60.152	29.926	9.576	2.893	2.394	2.294
72.5	305.747	222.053	99.355	29.827	5.786	1.995	1.796	1.796	1.796
75.0	123.496	87.185	47.184	4.988	1.696	1.197	0.898	0.798	0.898
77.5	41.598	31.921	10.674	1.496	0.898	0.499	0.299	0.299	0.299
80.0	11.272	6.085	1.796	0.798	0.399	0.200	0.200	0.200	0.200
82.5	2.893	1.796	0.898	0.399	0.299	0.200	0.200	0.200	0.200
85.0	1.097	0.898	0.599	0.299	0.200	0.200	0.100	0.200	0.200
87.5	0.698	0.599	0.499	0.299	0.200	0.200	0.100	0.200	0.200
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-L60-850-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

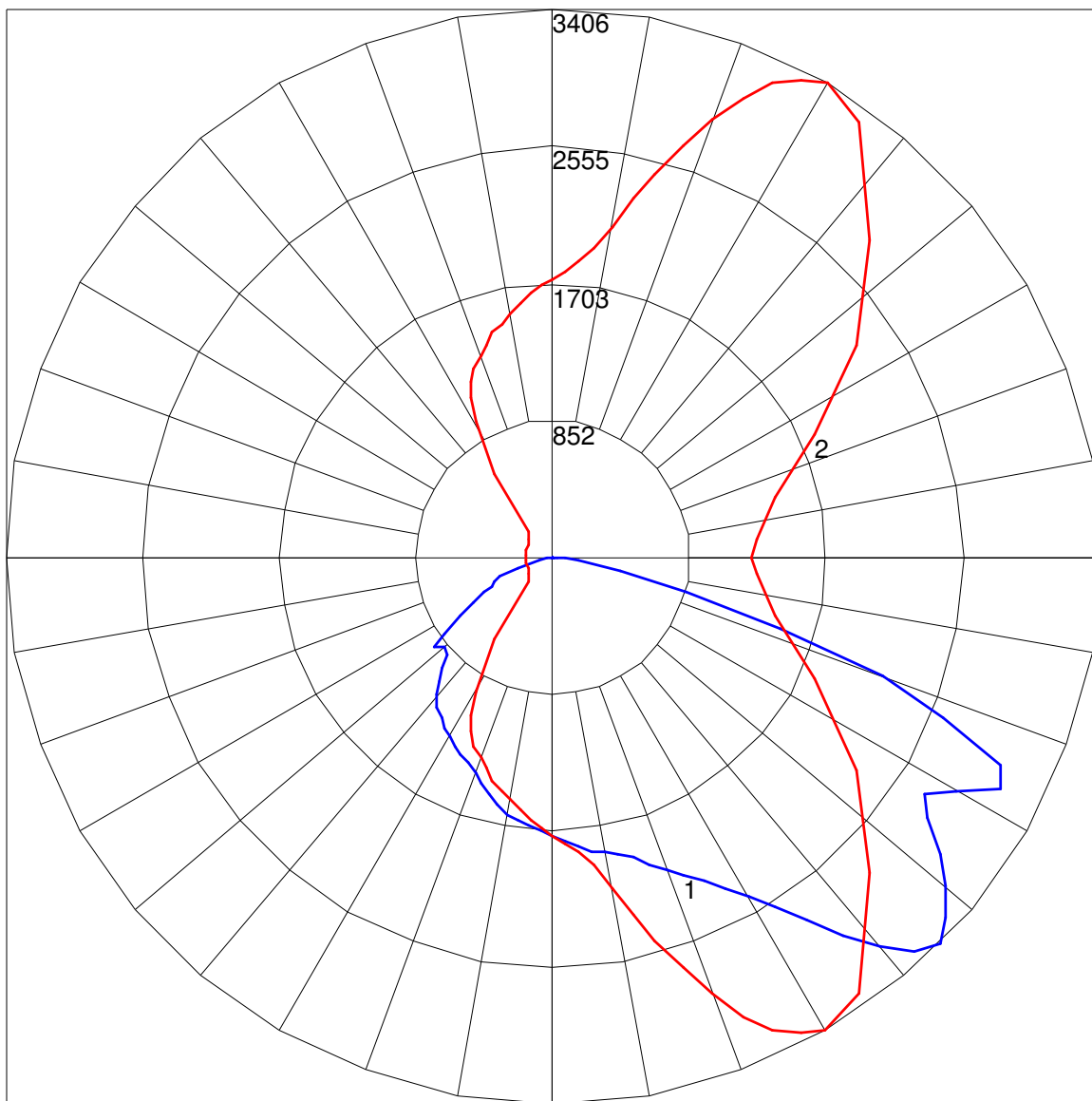
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

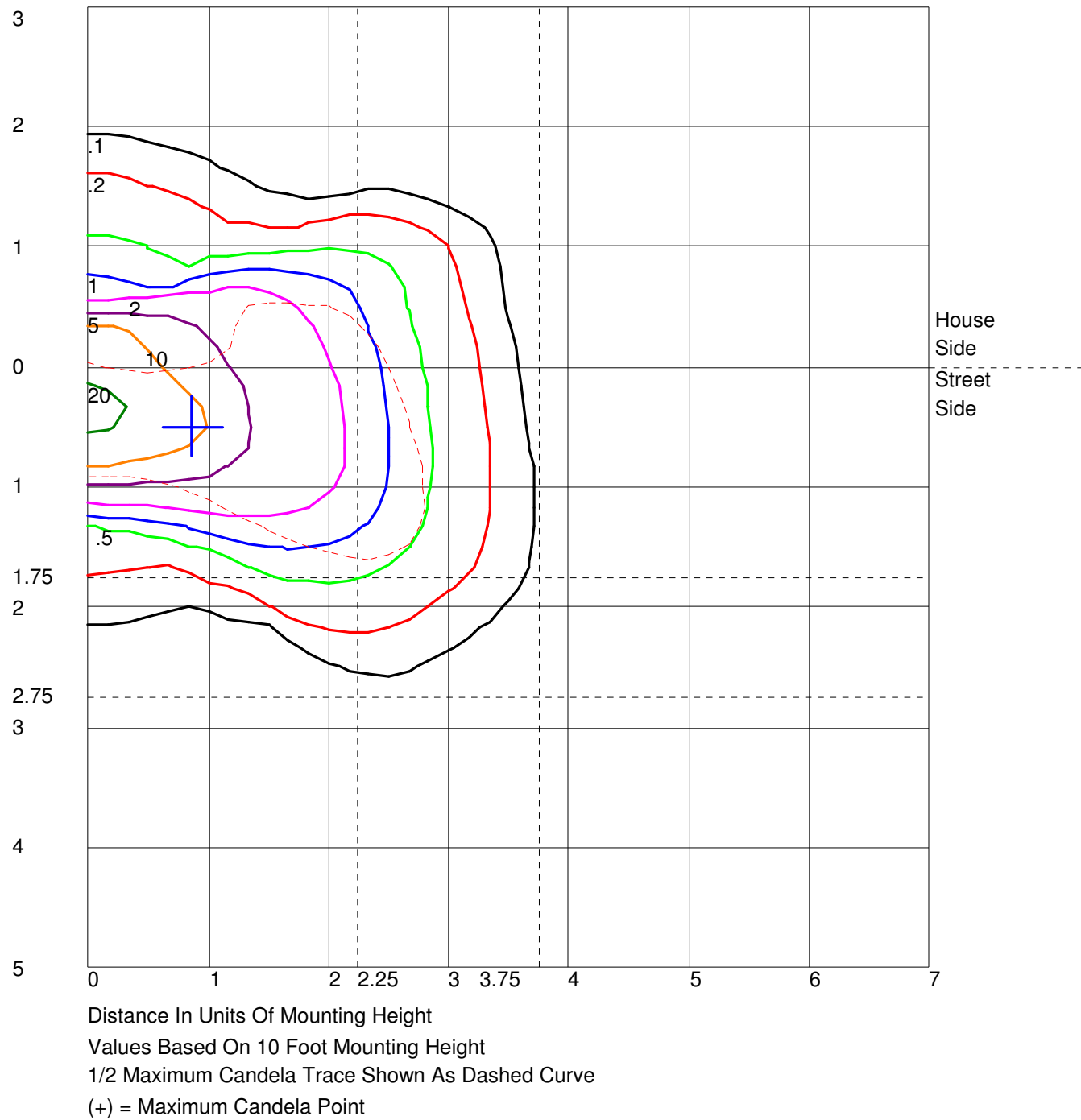
	Lumens	Percent Of Luminaire
Downward Street Side	4318.1	71.6
Downward House Side	1711.4	28.4
Downward Total	6029.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6029.5	100.0

POLAR GRAPH

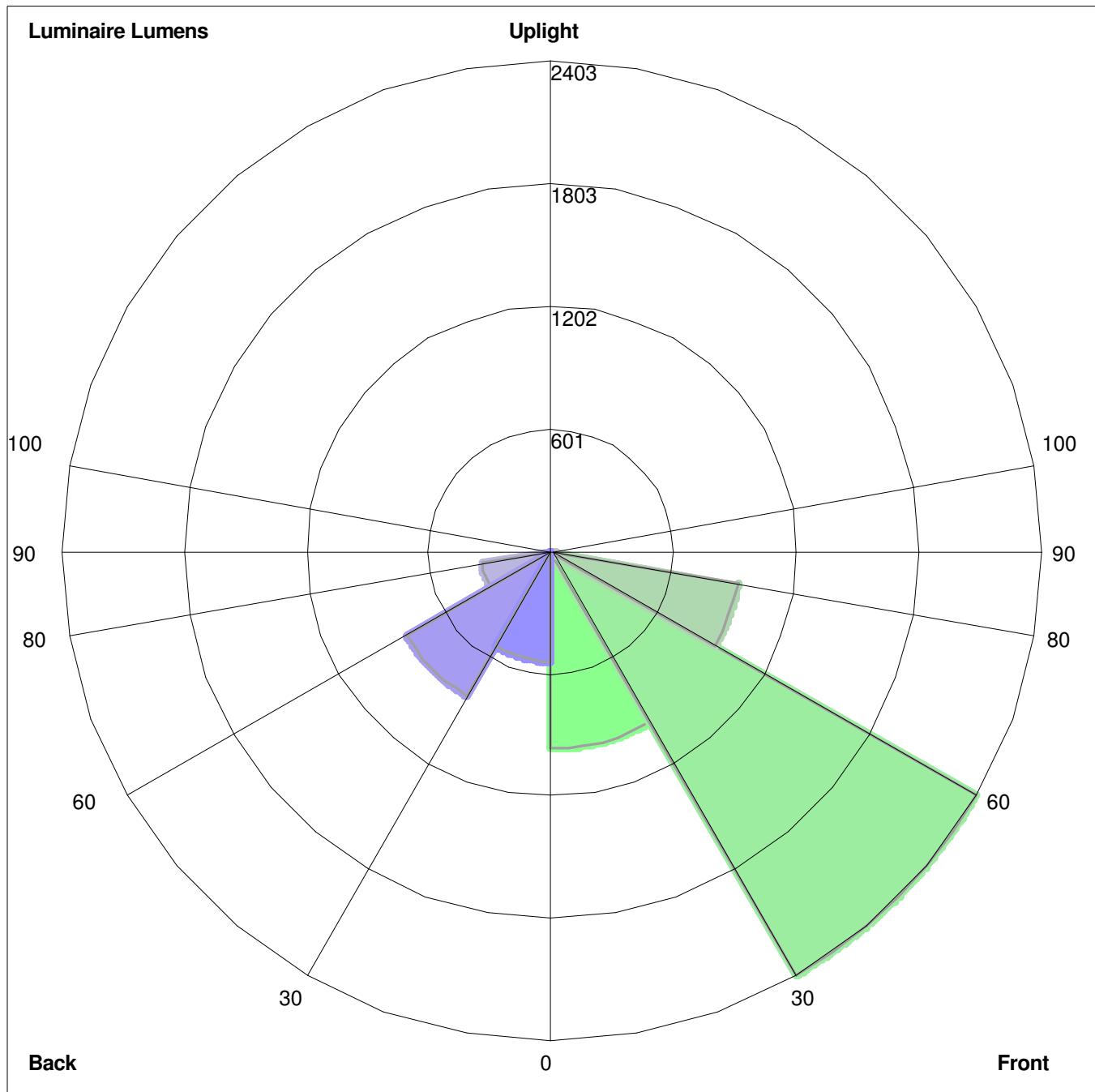


Maximum Candela = 3406.415 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=969.5, Medium=2403.5, High=929.1, Very High=16.0
Back: Low=540.0, Medium=821.6, High=347.6, Very High=2.1
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1