



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T2-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM 14773930.02
[TESTLAB] UL Verification Services Inc.
[ISSUEDATE] 2024-01-31
[TESTDATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-840-T2-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 White LEDs
[BALLAST] UNIVERSAL VOLTAGE DIMMING 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	5720
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3210.635
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	3210.635
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	284.213 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-840-T2-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	965.9	N.A.	16.9
FM - Front-Medium (30-60)	2312.0	N.A.	40.4
FH - Front-High (60-80)	734.0	N.A.	12.8
FVH - Front-Very High (80-90)	29.0	N.A.	0.5
BL - Back-Low (0-30)	536.4	N.A.	9.4
BM - Back-Medium (30-60)	822.0	N.A.	14.4
BH - Back-High (60-80)	311.8	N.A.	5.5
BVH - Back-Very High (80-90)	8.5	N.A.	0.1
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5719.6	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	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754
2.5	1834.918	1807.447	1800.108	1784.115	1791.547	1798.039	1761.254	1743.285	1742.814	1742.062
5.0	1932.007	1902.184	1889.578	1862.295	1853.075	1853.357	1808.105	1791.547	1789.666	1788.160
7.5	2069.269	2041.797	2024.111	1983.092	1953.363	1930.032	1857.779	1824.381	1816.949	1809.704
10.0	2244.726	2214.997	2187.432	2131.267	2085.262	2032.954	1912.345	1865.493	1848.089	1833.789
12.5	2419.431	2393.841	2361.290	2283.581	2221.394	2131.925	1980.176	1914.791	1888.919	1870.856
15.0	2614.457	2591.031	2543.145	2449.630	2348.683	2235.318	2068.516	1971.426	1931.631	1897.762
17.5	2768.558	2749.366	2700.727	2613.610	2493.001	2356.492	2140.110	2046.501	1998.991	1951.670
20.0	2908.077	2899.610	2841.940	2737.606	2618.972	2464.024	2222.711	2108.311	2053.087	2003.037
22.5	2968.006	2964.525	2910.147	2825.852	2721.519	2567.417	2305.877	2189.784	2127.786	2067.293
25.0	2941.287	2948.249	2906.666	2845.797	2793.959	2647.008	2410.493	2271.350	2210.011	2151.117
27.5	2848.431	2864.142	2838.647	2811.834	2799.040	2749.366	2512.004	2395.252	2318.578	2244.067
30.0	2728.574	2760.373	2735.819	2717.097	2765.548	2782.482	2629.980	2499.304	2424.417	2344.638
32.5	2587.644	2621.324	2616.338	2613.516	2717.755	2836.107	2754.822	2647.761	2577.201	2495.164
35.0	2425.828	2454.146	2460.449	2485.380	2652.653	2873.550	2915.604	2809.576	2723.965	2647.384
37.5	2170.121	2179.623	2237.670	2325.446	2585.668	2884.181	3045.621	2999.240	2913.628	2821.995
40.0	1789.195	1802.084	1911.498	2113.768	2462.989	2845.232	3145.439	3132.174	3063.684	2971.487
42.5	1353.609	1374.024	1526.527	1817.889	2261.566	2736.759	3158.704	3197.182	3170.464	3098.117
45.0	967.227	978.422	1151.527	1477.229	2018.372	2602.885	3108.372	3210.635	3202.545	3153.341
47.5	653.003	655.072	809.174	1144.377	1747.048	2430.344	3008.177	3150.049	3168.300	3139.135
50.0	424.861	429.000	544.906	837.680	1454.838	2251.029	2878.348	3040.258	3078.831	3069.046
52.5	289.199	293.809	367.002	591.005	1179.657	2065.223	2766.771	2960.856	3018.808	3019.467
55.0	223.344	223.908	262.951	411.878	930.724	1875.183	2685.863	2936.865	3015.139	3042.046
57.5	188.534	186.747	206.315	298.983	722.903	1674.513	2598.181	2905.819	3016.268	3058.510
60.0	164.826	163.509	174.140	232.281	561.464	1461.612	2443.891	2793.959	2924.447	2977.696
62.5	145.728	144.035	151.091	190.886	441.231	1245.230	2191.383	2542.016	2675.326	2732.149
65.0	126.160	124.749	130.299	161.722	349.692	1017.277	1852.510	2170.780	2287.720	2340.592
67.5	106.686	104.898	110.355	137.544	280.261	803.247	1478.076	1740.745	1841.691	1879.887
70.0	86.553	85.142	90.598	115.153	223.908	618.664	1123.398	1323.034	1395.004	1422.287
72.5	66.984	65.855	71.124	92.668	175.457	457.318	816.324	954.056	996.673	1015.865
75.0	49.203	48.921	53.625	71.500	133.216	326.548	571.154	656.484	684.237	696.561
77.5	34.433	34.715	38.666	52.778	96.995	223.720	379.985	432.481	450.545	458.635
80.0	22.955	23.332	26.342	36.691	66.608	143.188	236.232	267.937	278.474	284.213
82.5	14.206	14.394	16.558	23.332	41.959	83.636	134.251	151.279	158.523	161.346
85.0	7.809	7.997	9.220	12.983	22.955	42.618	66.890	74.322	78.932	80.344
87.5	3.387	3.481	4.045	5.457	9.032	16.276	25.119	27.659	29.541	30.670
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	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754
2.5	1722.681	1713.650	1717.225	1710.827	1700.761	1688.719	1685.332	1683.827	1686.273	1684.673
5.0	1765.017	1754.480	1750.435	1739.804	1726.821	1708.569	1699.162	1699.914	1693.799	1690.789
7.5	1785.338	1770.473	1763.982	1749.023	1727.573	1706.312	1691.165	1682.415	1676.300	1669.244
10.0	1797.850	1774.895	1768.592	1754.480	1733.689	1709.416	1692.670	1683.544	1672.631	1662.941
12.5	1830.402	1801.802	1781.481	1760.501	1738.110	1708.852	1686.931	1672.537	1657.861	1644.878
15.0	1850.064	1814.314	1789.383	1759.090	1730.114	1702.642	1679.123	1661.812	1642.244	1625.215
17.5	1883.839	1839.716	1807.164	1770.285	1732.371	1694.928	1667.927	1648.359	1625.968	1606.588
20.0	1927.868	1867.281	1825.133	1781.857	1736.605	1692.012	1662.753	1640.738	1613.456	1590.406
22.5	1987.514	1916.390	1858.531	1804.624	1752.410	1699.067	1663.223	1636.035	1605.741	1580.246
25.0	2062.401	1984.503	1910.839	1838.304	1774.801	1709.887	1667.927	1640.080	1604.894	1578.270
27.5	2144.155	2058.920	1977.918	1888.449	1813.374	1739.333	1684.579	1653.439	1617.689	1584.667
30.0	2249.994	2153.940	2068.986	1964.464	1868.880	1776.400	1706.594	1665.387	1622.299	1586.173
32.5	2372.203	2261.754	2157.515	2051.864	1940.945	1832.848	1753.916	1703.583	1653.157	1613.456
35.0	2526.869	2400.615	2281.605	2160.243	2031.261	1905.289	1808.199	1745.637	1690.600	1643.749
37.5	2689.908	2546.155	2400.521	2262.601	2125.434	1973.496	1861.166	1785.244	1717.695	1668.680
40.0	2841.093	2700.068	2534.678	2368.910	2215.938	2041.515	1911.780	1827.768	1745.072	1689.942
42.5	2969.511	2823.500	2644.468	2454.993	2291.671	2103.701	1958.349	1863.047	1779.505	1714.685
45.0	3040.070	2902.150	2731.773	2534.678	2356.492	2167.017	2008.305	1908.205	1821.935	1754.480
47.5	3050.137	2925.482	2756.140	2567.793	2395.817	2223.840	2077.453	1982.904	1903.219	1838.963
50.0	2995.383	2893.589	2748.613	2591.972	2438.435	2292.800	2177.648	2101.726	2034.177	1975.566
52.5	2972.239	2899.422	2779.189	2652.559	2526.869	2412.375	2319.331	2265.329	2203.613	2142.838
55.0	3015.045	2956.904	2860.944	2759.526	2658.015	2554.622	2470.610	2419.807	2359.596	2284.992
57.5	3037.812	2993.219	2916.921	2832.061	2743.909	2640.140	2555.187	2494.694	2425.264	2339.087
60.0	2962.831	2930.092	2856.804	2774.767	2682.946	2583.505	2491.966	2420.372	2348.777	2254.886
62.5	2718.320	2688.779	2626.216	2540.040	2447.560	2350.000	2258.273	2176.801	2109.158	2019.689
65.0	2326.763	2298.915	2246.984	2161.936	2077.453	1983.563	1902.184	1818.736	1761.160	1681.945
67.5	1861.824	1842.538	1793.805	1716.472	1641.021	1568.204	1498.867	1428.684	1377.411	1318.518
70.0	1408.645	1389.547	1350.222	1288.601	1226.320	1168.556	1111.073	1059.800	1019.629	974.094
72.5	1008.339	991.875	963.746	918.682	873.712	830.059	789.982	750.845	721.963	690.352
75.0	689.411	677.839	658.930	628.072	596.649	567.108	543.212	514.612	493.821	475.475
77.5	452.520	447.346	434.927	414.136	393.815	375.375	360.323	339.719	326.454	315.165

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CANDELA TABULATION - (Cont.)

80.0	279.979	277.063	271.042	256.271	244.982	234.445	224.379	212.148	205.563	198.130
82.5	159.464	157.582	155.983	147.046	140.930	134.627	129.076	122.491	119.386	115.153
85.0	79.685	78.932	79.026	74.981	71.218	67.267	64.726	61.151	60.587	59.552
87.5	30.388	30.670	31.234	30.011	27.847	26.530	25.401	23.614	23.614	24.366
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

	<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	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754
2.5	1681.004	1675.171	1670.185	1666.892	1673.478	1678.276	1679.405	1672.067	1675.265	1690.412
5.0	1684.767	1677.994	1670.844	1668.774	1674.701	1677.429	1676.206	1669.244	1668.868	1677.523
7.5	1661.436	1653.063	1645.348	1639.421	1641.491	1641.773	1635.470	1626.815	1624.463	1633.588
10.0	1654.474	1645.254	1635.094	1626.627	1626.533	1623.240	1615.619	1604.330	1596.427	1599.720
12.5	1631.989	1619.947	1609.222	1596.804	1596.992	1591.065	1579.117	1566.792	1564.346	1568.580
15.0	1609.692	1597.086	1580.622	1568.015	1562.182	1553.245	1544.778	1533.959	1521.823	1517.025
17.5	1591.065	1576.953	1557.949	1541.109	1533.300	1528.973	1519.847	1501.596	1490.024	1489.742
20.0	1575.730	1557.196	1538.757	1516.836	1508.557	1499.244	1479.017	1457.096	1445.242	1444.960
22.5	1565.381	1541.391	1514.673	1492.564	1490.212	1476.100	1452.110	1437.151	1425.862	1408.551
25.0	1556.444	1523.892	1496.045	1477.605	1469.232	1447.688	1423.134	1403.753	1379.011	1368.286

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-T2-XXX-SDGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	1563.123	1530.384	1495.480	1473.184	1455.309	1430.848	1408.081	1378.446	1353.797	1341.567
30.0	1564.817	1528.690	1494.728	1472.337	1447.406	1427.273	1393.122	1358.407	1333.947	1317.107
32.5	1586.549	1542.802	1510.063	1481.369	1449.005	1428.402	1388.889	1353.233	1319.835	1291.987
35.0	1613.644	1566.322	1530.196	1489.930	1456.061	1427.273	1383.432	1347.212	1307.511	1281.074
37.5	1633.683	1580.622	1542.332	1496.798	1466.880	1430.190	1385.502	1345.330	1304.218	1265.457
40.0	1648.547	1594.546	1552.681	1505.359	1472.996	1431.319	1382.397	1329.619	1287.660	1238.362
42.5	1670.656	1608.752	1561.336	1510.909	1470.832	1429.437	1372.425	1322.845	1268.468	1207.504
45.0	1710.639	1645.254	1595.204	1548.635	1498.585	1454.462	1389.642	1333.664	1268.374	1192.170
47.5	1800.108	1736.793	1679.687	1628.885	1577.235	1524.739	1450.793	1384.561	1309.862	1212.679
50.0	1939.534	1878.382	1821.747	1763.606	1713.744	1652.122	1563.311	1477.888	1379.011	1251.345
52.5	2104.266	2041.233	1977.353	1909.616	1855.803	1785.620	1677.617	1572.625	1440.068	1269.314
55.0	2237.670	2162.689	2085.921	2012.163	1946.119	1867.469	1739.051	1611.010	1445.148	1235.070
57.5	2275.019	2184.986	2105.583	2029.097	1955.715	1874.619	1732.842	1577.517	1390.959	1156.325
60.0	2176.801	2085.168	2006.141	1938.875	1864.835	1793.147	1651.652	1488.519	1290.388	1046.535
62.5	1940.851	1855.051	1786.561	1728.232	1669.433	1605.741	1481.275	1330.089	1144.942	916.424
65.0	1615.902	1539.509	1482.874	1441.573	1394.157	1348.905	1249.840	1119.164	958.665	766.650
67.5	1259.530	1204.306	1160.183	1128.666	1093.198	1066.668	992.816	885.002	763.263	611.137
70.0	933.358	893.845	860.353	839.373	816.888	800.989	745.012	662.599	574.447	458.165
72.5	662.034	633.811	610.385	596.461	581.408	567.955	531.264	473.312	409.056	328.336
75.0	454.590	435.398	421.192	411.502	400.494	388.923	363.427	323.726	278.756	225.507
77.5	300.300	287.788	280.073	273.394	264.550	256.083	239.996	211.866	176.116	136.132
80.0	188.158	181.290	176.398	172.071	165.391	159.370	140.366	115.247	90.880	61.904
82.5	109.978	106.403	103.111	100.006	95.584	86.647	69.901	45.534	33.304	19.098
85.0	57.012	55.413	53.437	51.367	46.099	37.067	24.366	17.216	10.161	6.021
87.5	23.426	23.238	22.109	19.945	15.805	10.725	7.244	4.234	2.634	1.599
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-L60-840-T2-XXX-SDGL-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

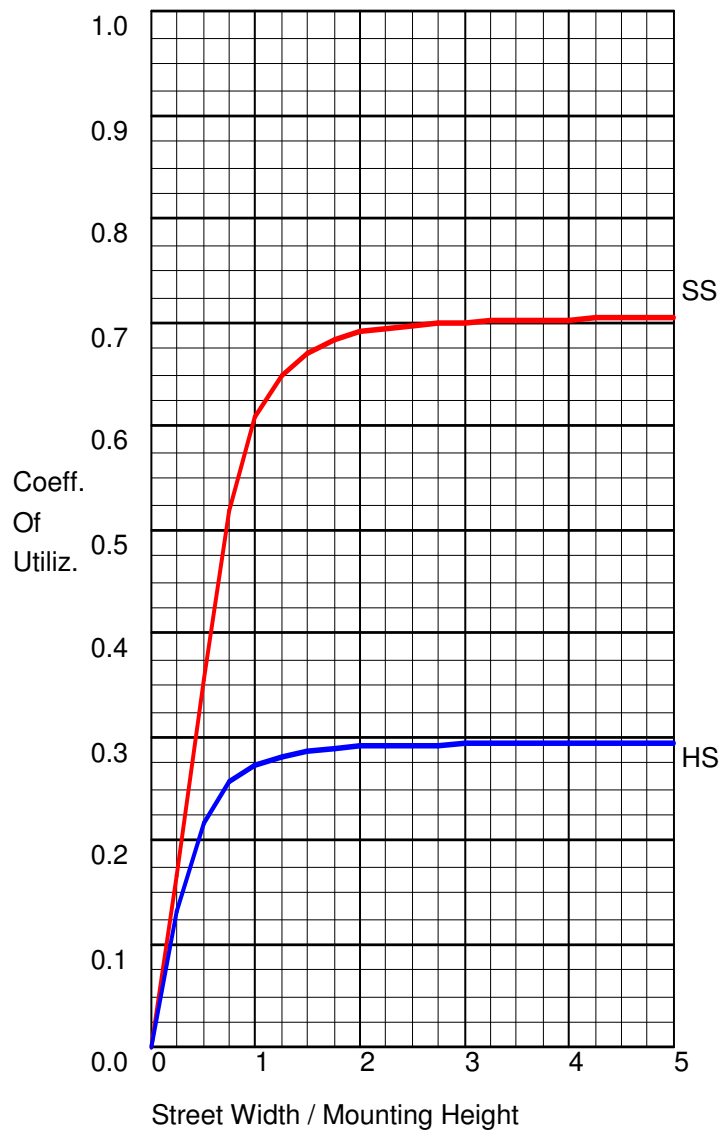
Horizontal Angles

	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754	1716.754
2.5	1686.461	1682.698	1688.531	1700.479	1678.558	1666.610	1675.171	1685.050	1708.193
5.0	1670.185	1663.317	1662.189	1660.025	1625.498	1603.389	1606.494	1621.829	1644.878
7.5	1623.804	1616.842	1618.442	1625.027	1586.173	1545.625	1542.520	1560.019	1588.995
10.0	1588.431	1578.458	1566.510	1553.151	1533.771	1501.502	1479.111	1491.811	1519.000
12.5	1552.022	1539.698	1526.997	1513.167	1451.734	1449.664	1439.503	1448.253	1478.358
15.0	1497.832	1486.261	1478.358	1456.720	1418.053	1397.074	1399.426	1391.993	1427.555
17.5	1477.417	1463.588	1431.601	1412.879	1386.631	1332.818	1327.455	1291.611	1323.034
20.0	1425.674	1405.070	1396.133	1375.436	1323.504	1236.105	1187.466	1112.673	1135.252
22.5	1385.126	1367.815	1342.038	1327.643	1209.292	1077.958	923.386	812.655	816.230
25.0	1351.445	1339.309	1316.354	1233.188	1060.741	821.498	621.580	519.504	514.706
27.5	1316.636	1292.740	1263.011	1131.018	844.548	547.728	406.421	341.883	338.685
30.0	1289.259	1267.433	1202.612	980.021	601.918	370.860	285.718	260.034	261.822
32.5	1263.764	1229.425	1139.956	791.017	422.979	276.875	234.163	221.650	221.462
35.0	1242.032	1189.818	1056.037	609.632	315.823	229.365	211.019	204.716	206.315
37.5	1209.198	1146.447	968.261	465.785	252.320	206.598	197.660	195.026	195.967
40.0	1177.964	1089.812	858.565	361.075	216.005	192.392	186.841	185.806	184.865
42.5	1131.583	1021.792	748.117	291.645	196.061	183.078	180.067	177.433	176.492
45.0	1094.798	965.063	662.222	246.675	184.395	176.022	173.482	171.788	169.248
47.5	1092.446	930.724	597.402	219.486	175.363	168.966	166.802	164.450	162.757
50.0	1098.279	906.734	543.495	202.082	167.837	161.157	158.617	157.959	155.513
52.5	1081.062	865.433	486.671	189.475	161.063	153.725	151.655	152.502	150.997
55.0	1024.050	791.299	427.401	177.527	153.913	146.105	145.634	148.269	147.234
57.5	932.323	707.004	368.696	164.544	144.694	138.296	138.861	144.129	143.941
60.0	828.366	623.180	317.893	150.997	134.909	129.076	131.993	140.366	141.401
62.5	720.363	537.285	273.676	136.791	122.021	116.188	117.128	125.596	126.442
65.0	602.294	448.098	232.563	119.198	102.170	90.410	84.953	87.117	86.365
67.5	478.674	357.312	192.015	95.584	72.535	53.625	43.841	38.290	36.409
70.0	362.581	273.394	151.467	65.761	39.795	21.356	9.596	5.739	5.268
72.5	261.446	198.695	106.686	36.691	14.300	5.833	4.045	3.669	3.481
75.0	175.834	127.665	61.998	13.547	4.986	3.387	2.728	2.446	2.352
77.5	101.041	65.761	24.178	4.422	2.822	1.693	1.035	0.659	0.564
80.0	39.984	26.436	5.833	2.258	1.129	0.376	0.282	0.282	0.282
82.5	11.289	6.209	2.446	1.129	0.470	0.188	0.188	0.188	0.282
85.0	3.763	2.164	1.317	0.659	0.282	0.188	0.188	0.188	0.188
87.5	1.223	1.035	0.753	0.376	0.188	0.188	0.188	0.188	0.188
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-L60-840-T2-XXX-SDGL-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

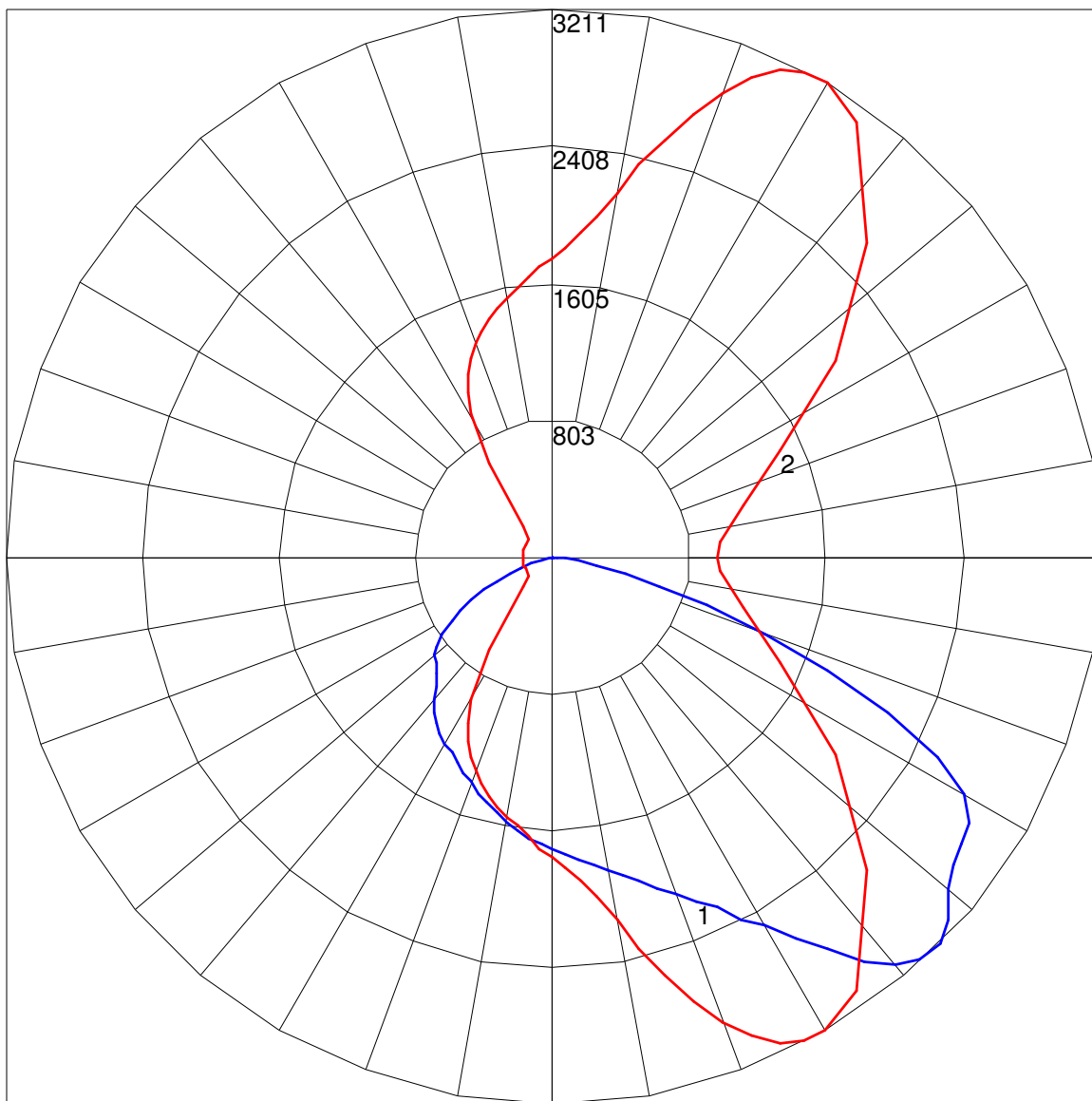
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

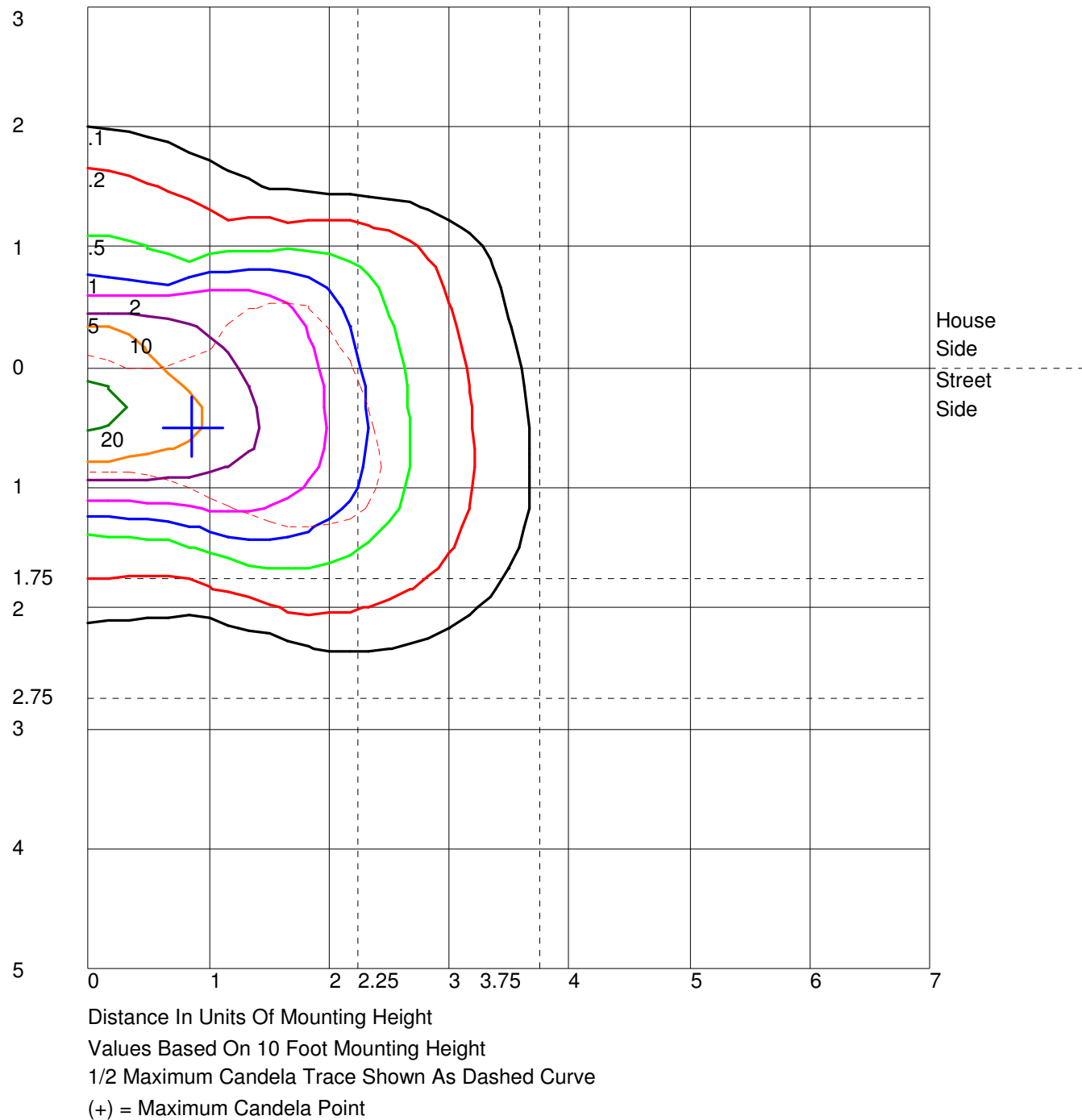
	Lumens	Percent Of Luminaire
Downward Street Side	4040.9	70.7
Downward House Side	1678.7	29.3
Downward Total	5719.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5719.6	100.0

POLAR GRAPH

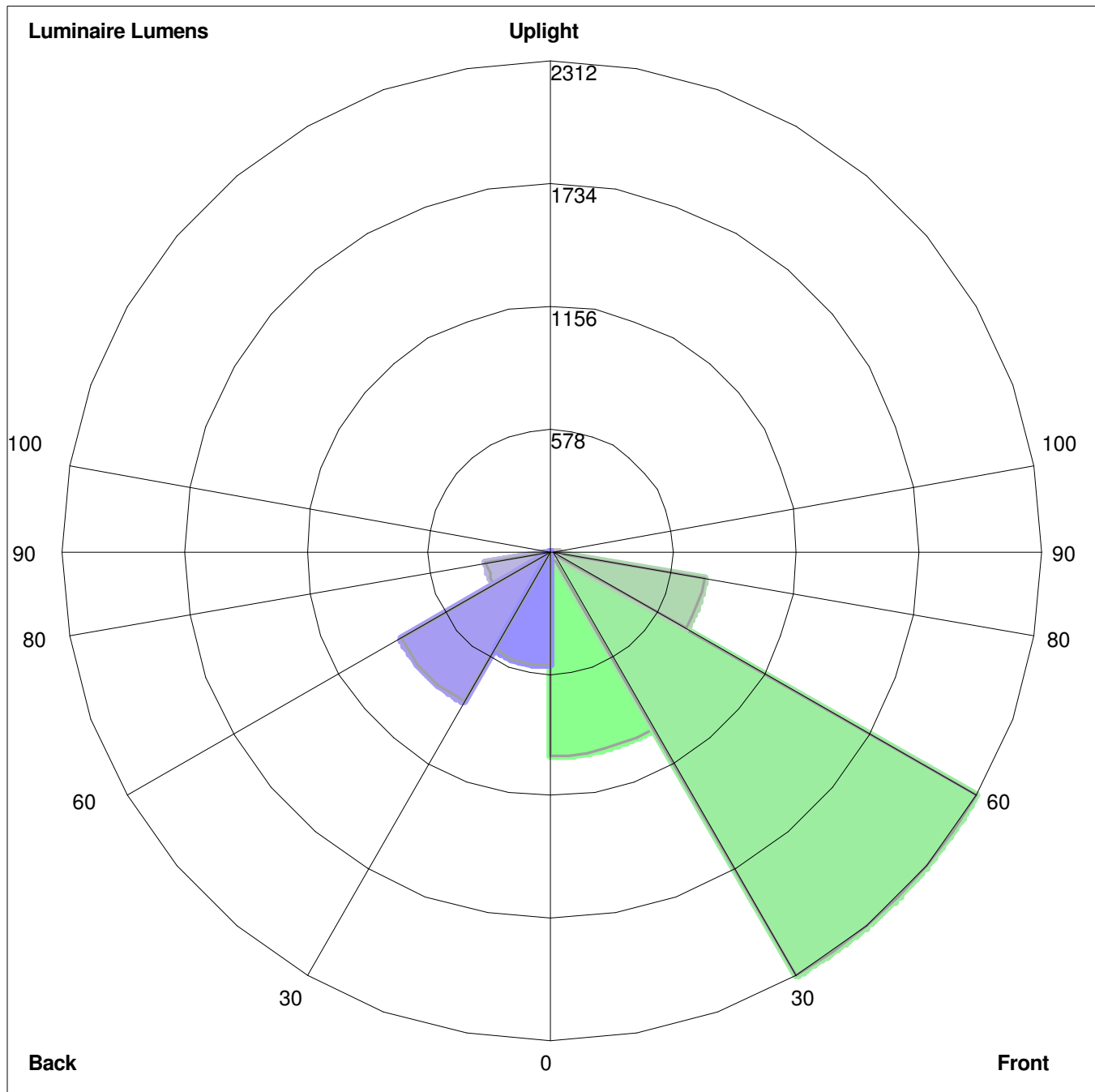


Maximum Candela = 3210.635 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=965.9, Medium= 2312.0, High=734.0, Very High=29.0
Back: Low=536.4, Medium=822.0, High=311.8, Very High=8.5
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1