



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-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.
[ISSUE DATE] 2024-01-31
[TEST DATE] 4/25/2023
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-830-T2-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[LAMP] 8 White LEDs
[BALLAST] UNIVERSAL VOLTAGE DIMMING 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	5405
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3034.227
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	3034.227
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	268.597 (5.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-SDGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	912.8	N.A.	16.9
FM - Front-Medium (30-60)	2185.0	N.A.	40.4
FH - Front-High (60-80)	693.6	N.A.	12.8
FVH - Front-Very High (80-90)	27.4	N.A.	0.5
BL - Back-Low (0-30)	507.0	N.A.	9.4
BM - Back-Medium (30-60)	776.8	N.A.	14.4
BH - Back-High (60-80)	294.6	N.A.	5.5
BVH - Back-Very High (80-90)	8.0	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	5405.2	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	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427
2.5	1734.098	1708.136	1701.201	1686.086	1693.110	1699.245	1664.481	1647.500	1647.055	1646.344
5.0	1825.853	1797.668	1785.754	1759.971	1751.257	1751.524	1708.758	1693.110	1691.332	1689.910
7.5	1955.572	1929.611	1912.895	1874.131	1846.035	1823.986	1755.703	1724.140	1717.116	1710.270
10.0	2121.389	2093.294	2067.243	2014.164	1970.687	1921.253	1807.271	1762.993	1746.545	1733.031
12.5	2286.495	2262.311	2231.548	2158.109	2099.339	2014.786	1871.375	1809.582	1785.132	1768.061
15.0	2470.805	2448.666	2403.411	2315.035	2219.634	2112.498	1954.861	1863.106	1825.497	1793.490
17.5	2616.439	2598.302	2552.335	2470.005	2356.022	2227.014	2022.521	1934.056	1889.157	1844.435
20.0	2748.292	2740.291	2685.789	2587.188	2475.072	2328.638	2100.584	1992.470	1940.280	1892.980
22.5	2804.928	2801.638	2750.248	2670.585	2571.984	2426.350	2179.180	2069.466	2010.874	1953.705
25.0	2779.678	2786.257	2746.959	2689.434	2640.445	2501.568	2278.048	2146.551	2088.581	2032.924
27.5	2691.924	2706.772	2682.677	2657.338	2645.246	2598.302	2373.982	2263.645	2191.183	2120.767
30.0	2578.652	2608.704	2585.499	2567.805	2613.594	2629.598	2485.475	2361.979	2291.207	2215.811
32.5	2445.465	2477.295	2472.583	2469.916	2568.428	2680.276	2603.458	2502.279	2435.596	2358.067
35.0	2292.541	2319.302	2325.259	2348.820	2506.902	2715.663	2755.405	2655.204	2574.296	2501.923
37.5	2050.884	2059.863	2114.721	2197.674	2443.598	2725.709	2878.279	2834.446	2753.538	2666.940
40.0	1690.888	1703.068	1806.470	1997.627	2327.660	2688.901	2972.612	2960.076	2895.349	2808.218
42.5	1279.235	1298.528	1442.651	1718.005	2137.304	2586.388	2985.148	3021.512	2996.262	2927.890
45.0	914.082	924.662	1088.257	1396.063	1907.472	2459.869	2937.582	3034.227	3026.580	2980.080
47.5	617.123	619.079	764.714	1081.499	1651.056	2296.808	2842.893	2976.969	2994.217	2966.655
50.0	401.517	405.429	514.966	791.653	1374.902	2127.346	2720.197	2873.211	2909.664	2900.417
52.5	273.309	277.665	346.837	558.532	1114.841	1951.749	2614.750	2798.171	2852.939	2853.562
55.0	211.072	211.605	248.503	389.247	879.585	1772.151	2538.287	2775.499	2849.472	2874.900
57.5	178.175	176.486	194.979	282.556	683.183	1582.506	2455.423	2746.159	2850.539	2890.459
60.0	155.770	154.525	164.572	219.518	530.614	1381.303	2309.611	2640.445	2763.763	2814.086
62.5	137.721	136.121	142.789	180.398	416.987	1176.811	2070.977	2402.344	2528.329	2582.031
65.0	119.228	117.894	123.140	152.836	330.478	961.382	1750.724	2051.506	2162.021	2211.988
67.5	100.824	99.134	104.291	129.986	264.862	759.112	1396.863	1645.099	1740.499	1776.597
70.0	81.797	80.463	85.620	108.826	211.605	584.671	1061.673	1250.339	1318.355	1344.139
72.5	63.304	62.237	67.216	87.576	165.817	432.191	771.471	901.635	941.911	960.049
75.0	46.500	46.233	50.679	67.571	125.896	308.606	539.772	620.413	646.641	658.289
77.5	32.541	32.808	36.542	49.878	91.666	211.428	359.107	408.719	425.789	433.436
80.0	21.694	22.050	24.895	34.675	62.948	135.321	223.253	253.215	263.173	268.597
82.5	13.425	13.603	15.648	22.050	39.654	79.041	126.874	142.967	149.813	152.480
85.0	7.380	7.557	8.713	12.270	21.694	40.276	63.215	70.239	74.595	75.929
87.5	3.201	3.290	3.823	5.157	8.535	15.381	23.739	26.139	27.918	28.985
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	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427
2.5	1628.028	1619.493	1622.872	1616.826	1607.312	1595.932	1592.731	1591.309	1593.620	1592.109
5.0	1668.038	1658.080	1654.257	1644.210	1631.940	1614.692	1605.801	1606.512	1600.733	1597.888
7.5	1687.242	1673.195	1667.060	1652.923	1632.652	1612.558	1598.244	1589.975	1584.196	1577.528
10.0	1699.067	1677.373	1671.416	1658.080	1638.431	1615.492	1599.666	1591.042	1580.728	1571.571
12.5	1729.830	1702.801	1683.597	1663.770	1642.610	1614.959	1594.243	1580.639	1566.769	1554.500
15.0	1748.412	1714.627	1691.065	1662.436	1635.052	1609.091	1586.863	1570.504	1552.010	1535.918
17.5	1780.331	1738.632	1707.869	1673.017	1637.186	1601.800	1576.283	1557.790	1536.629	1518.314
20.0	1821.941	1764.683	1724.851	1683.953	1641.187	1599.044	1571.393	1550.588	1524.804	1503.021
22.5	1878.310	1811.094	1756.414	1705.469	1656.124	1605.712	1571.837	1546.142	1517.513	1493.419
25.0	1949.082	1875.464	1805.848	1737.299	1677.284	1615.937	1576.283	1549.965	1516.713	1491.552
27.5	2026.344	1945.792	1869.241	1784.687	1713.737	1643.765	1592.020	1562.591	1528.805	1497.598
30.0	2126.368	2035.591	1955.305	1856.527	1766.194	1678.796	1612.825	1573.882	1533.161	1499.020
32.5	2241.862	2137.482	2038.970	1939.124	1834.299	1732.142	1657.546	1609.980	1562.324	1524.804
35.0	2388.030	2268.713	2156.242	2041.548	1919.653	1800.602	1708.847	1649.722	1597.710	1553.433
37.5	2542.111	2406.256	2268.624	2138.282	2008.651	1865.062	1758.904	1687.153	1623.316	1576.994
40.0	2684.989	2551.713	2395.409	2238.750	2094.183	1929.344	1806.737	1727.341	1649.189	1597.088
42.5	2806.351	2668.362	2499.167	2320.103	2165.755	1988.113	1850.747	1760.682	1681.730	1620.471
45.0	2873.033	2742.691	2581.675	2395.409	2227.014	2047.950	1897.959	1803.359	1721.828	1658.080
47.5	2882.546	2764.741	2604.703	2426.706	2264.178	2101.651	1963.307	1873.953	1798.646	1737.921
50.0	2830.801	2734.600	2597.590	2449.555	2304.454	2166.822	2057.996	1986.246	1922.409	1867.018
52.5	2808.929	2740.113	2626.486	2506.813	2388.030	2279.826	2191.895	2140.860	2082.535	2025.100
55.0	2849.383	2794.437	2703.749	2607.904	2511.970	2414.258	2334.862	2286.850	2229.948	2159.442
57.5	2870.899	2828.756	2756.650	2676.453	2593.145	2495.077	2414.792	2357.623	2292.007	2210.566
60.0	2800.038	2769.097	2699.837	2622.307	2535.531	2441.553	2355.044	2287.384	2219.723	2130.991
62.5	2568.961	2541.044	2481.919	2400.477	2313.079	2220.879	2134.192	2057.196	1993.270	1908.717
65.0	2198.918	2172.601	2123.523	2043.148	1963.307	1874.575	1797.668	1718.805	1664.392	1589.530
67.5	1759.526	1741.299	1695.244	1622.160	1550.855	1482.038	1416.512	1350.185	1301.729	1246.072
70.0	1331.247	1313.199	1276.034	1217.798	1158.940	1104.349	1050.025	1001.569	963.605	920.573
72.5	952.936	937.377	910.793	868.205	825.706	784.452	746.576	709.590	682.294	652.420
75.0	651.531	640.595	622.725	593.562	563.866	535.949	513.365	486.337	466.688	449.350
77.5	427.656	422.766	411.030	391.381	372.177	354.750	340.525	321.053	308.517	297.848

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CANDELA TABULATION - (Cont.)

80.0	264.596	261.840	256.149	242.190	231.521	221.563	212.050	200.492	194.268	187.244
82.5	150.702	148.924	147.413	138.966	133.187	127.230	121.984	115.761	112.827	108.826
85.0	75.307	74.595	74.684	70.861	67.305	63.571	61.170	57.791	57.258	56.280
87.5	28.718	28.985	29.518	28.362	26.317	25.073	24.006	22.316	22.316	23.028
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	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427
2.5	1588.641	1583.129	1578.417	1575.305	1581.528	1586.063	1587.130	1580.195	1583.218	1597.532
5.0	1592.198	1585.796	1579.039	1577.083	1582.684	1585.263	1584.107	1577.528	1577.172	1585.352
7.5	1570.148	1562.235	1554.944	1549.343	1551.299	1551.566	1545.609	1537.429	1535.206	1543.831
10.0	1563.569	1554.856	1545.253	1537.251	1537.162	1534.051	1526.849	1516.180	1508.711	1511.823
12.5	1542.319	1530.939	1520.803	1509.067	1509.245	1503.643	1492.352	1480.705	1478.393	1482.394
15.0	1521.248	1509.334	1493.774	1481.861	1476.348	1467.902	1459.900	1449.675	1438.206	1433.671
17.5	1503.643	1490.307	1472.347	1456.432	1449.053	1444.963	1436.339	1419.090	1408.154	1407.888
20.0	1489.151	1471.636	1454.210	1433.494	1425.669	1416.867	1397.752	1377.036	1365.833	1365.566
22.5	1479.371	1456.699	1431.449	1410.555	1408.332	1394.996	1372.324	1358.187	1347.518	1331.158
25.0	1470.925	1440.162	1413.844	1396.418	1388.505	1368.145	1344.939	1326.624	1303.241	1293.105

IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-T2-XXX-SDGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

27.5	1477.237	1446.297	1413.311	1392.239	1375.347	1352.230	1330.714	1302.707	1279.413	1267.854
30.0	1478.838	1444.696	1412.600	1391.439	1367.878	1348.851	1316.577	1283.769	1260.653	1244.738
32.5	1499.376	1458.033	1427.092	1399.975	1369.390	1349.918	1312.576	1278.879	1247.316	1220.999
35.0	1524.982	1480.260	1446.119	1408.065	1376.058	1348.851	1307.419	1273.189	1235.669	1210.685
37.5	1543.920	1493.774	1457.588	1414.556	1386.282	1351.608	1309.375	1271.411	1232.557	1195.926
40.0	1557.967	1506.933	1467.368	1422.647	1392.062	1352.674	1306.441	1256.563	1216.909	1170.320
42.5	1578.861	1520.358	1475.548	1427.892	1390.017	1350.896	1297.017	1250.161	1198.772	1141.158
45.0	1616.648	1554.856	1507.555	1463.545	1416.245	1374.546	1313.287	1260.386	1198.683	1126.666
47.5	1701.201	1641.365	1587.397	1539.385	1490.574	1440.962	1371.079	1308.486	1237.892	1146.048
50.0	1832.966	1775.174	1721.650	1666.704	1619.582	1561.346	1477.415	1396.685	1303.241	1182.590
52.5	1988.647	1929.077	1868.707	1804.692	1753.836	1687.509	1585.440	1486.217	1360.943	1199.572
55.0	2114.721	2043.860	1971.309	1901.604	1839.189	1764.861	1643.499	1522.492	1365.744	1167.209
57.5	2150.018	2064.931	1989.891	1917.608	1848.258	1771.618	1637.631	1490.840	1314.532	1092.791
60.0	2057.196	1970.598	1895.914	1832.343	1762.371	1694.622	1560.901	1406.732	1219.488	989.033
62.5	1834.210	1753.124	1688.398	1633.274	1577.705	1517.513	1399.886	1257.007	1082.033	866.071
65.0	1527.116	1454.921	1401.397	1362.366	1317.555	1274.789	1181.167	1057.672	905.991	724.526
67.5	1190.325	1138.135	1096.436	1066.652	1033.132	1008.060	938.266	836.375	721.326	577.558
70.0	882.075	844.733	813.081	793.254	772.004	756.978	704.077	626.192	542.884	432.991
72.5	625.659	598.986	576.847	563.688	549.463	536.749	502.074	447.305	386.580	310.295
75.0	429.612	411.475	398.049	388.892	378.489	367.553	343.459	305.939	263.440	213.117
77.5	283.800	271.975	264.685	258.372	250.015	242.013	226.809	200.225	166.439	128.653
80.0	177.820	171.329	166.706	162.616	156.304	150.613	132.653	108.915	85.887	58.503
82.5	103.936	100.557	97.445	94.511	90.332	81.886	66.060	43.032	31.474	18.049
85.0	53.879	52.368	50.501	48.545	43.566	35.030	23.028	16.271	9.602	5.690
87.5	22.139	21.961	20.894	18.849	14.937	10.136	6.846	4.001	2.489	1.511
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-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

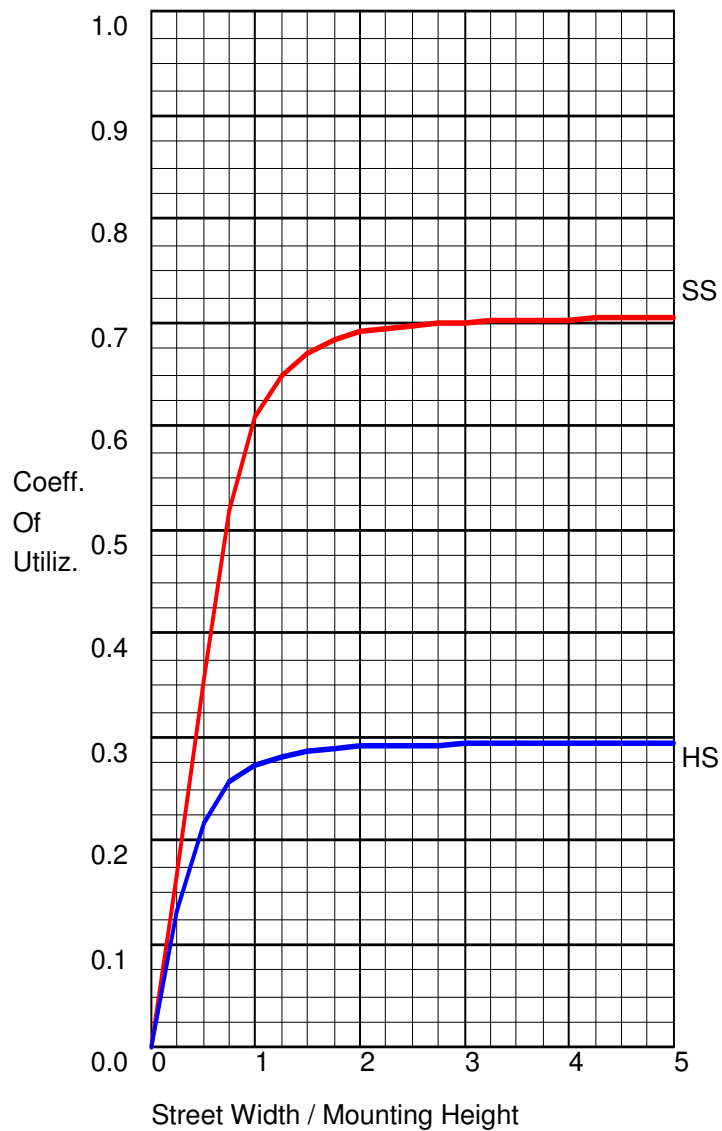
Horizontal Angles

	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427	1622.427
2.5	1593.798	1590.242	1595.754	1607.046	1586.330	1575.038	1583.129	1592.464	1614.336
5.0	1578.417	1571.926	1570.859	1568.814	1536.184	1515.291	1518.225	1532.717	1554.500
7.5	1534.584	1528.005	1529.516	1535.740	1499.020	1460.700	1457.766	1474.303	1501.687
10.0	1501.154	1491.730	1480.438	1467.813	1449.497	1419.001	1397.841	1409.844	1435.538
12.5	1466.746	1455.099	1443.096	1430.026	1371.968	1370.012	1360.410	1368.678	1397.129
15.0	1415.534	1404.598	1397.129	1376.680	1340.138	1320.311	1322.534	1315.510	1349.118
17.5	1396.240	1383.171	1352.941	1335.248	1310.442	1259.586	1254.518	1220.643	1250.339
20.0	1347.340	1327.869	1319.422	1299.862	1250.784	1168.187	1122.220	1051.537	1072.875
22.5	1309.020	1292.660	1268.299	1254.696	1142.847	1018.729	872.650	768.003	771.382
25.0	1277.190	1265.721	1244.027	1165.430	1002.459	776.361	587.427	490.960	486.426
27.5	1244.293	1221.710	1193.615	1068.874	798.144	517.633	384.091	323.098	320.075
30.0	1218.421	1197.794	1136.535	926.174	568.845	350.483	270.019	245.747	247.436
32.5	1194.326	1161.874	1077.321	747.554	399.739	261.662	221.297	209.472	209.294
35.0	1173.788	1124.443	998.013	576.136	298.470	216.762	199.425	193.468	194.979
37.5	1142.758	1083.455	915.060	440.193	238.456	195.246	186.800	184.310	185.199
40.0	1113.240	1029.932	811.391	341.236	204.137	181.821	176.575	175.597	174.708
42.5	1069.408	965.650	707.011	275.621	185.288	173.019	170.173	167.684	166.795
45.0	1034.644	912.037	625.836	233.122	174.263	166.350	163.950	162.349	159.949
47.5	1032.421	879.585	564.578	207.427	165.728	159.682	157.637	155.414	153.814
50.0	1037.934	856.913	513.632	190.978	158.615	152.303	149.902	149.280	146.968
52.5	1021.663	817.882	459.931	179.064	152.214	145.279	143.323	144.123	142.700
55.0	967.784	747.821	403.917	167.773	145.457	138.077	137.632	140.122	139.144
57.5	881.097	668.158	348.438	155.503	136.743	130.697	131.231	136.210	136.032
60.0	782.851	588.939	300.426	142.700	127.497	121.984	124.741	132.653	133.632
62.5	680.783	507.764	258.639	129.275	115.316	109.804	110.693	118.695	119.495
65.0	569.201	423.478	219.785	112.649	96.556	85.442	80.286	82.331	81.619
67.5	452.373	337.680	181.465	90.332	68.549	50.679	41.432	36.186	34.408
70.0	342.659	258.372	143.145	62.148	37.609	20.183	9.069	5.424	4.979
72.5	247.080	187.778	100.824	34.675	13.514	5.512	3.823	3.467	3.290
75.0	166.173	120.651	58.592	12.803	4.712	3.201	2.578	2.312	2.223
77.5	95.489	62.148	22.850	4.179	2.667	1.600	0.978	0.622	0.533
80.0	37.787	24.984	5.512	2.134	1.067	0.356	0.267	0.267	0.267
82.5	10.669	5.868	2.312	1.067	0.445	0.178	0.178	0.178	0.267
85.0	3.556	2.045	1.245	0.622	0.267	0.178	0.178	0.178	0.178
87.5	1.156	0.978	0.711	0.356	0.178	0.178	0.178	0.178	0.178
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-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

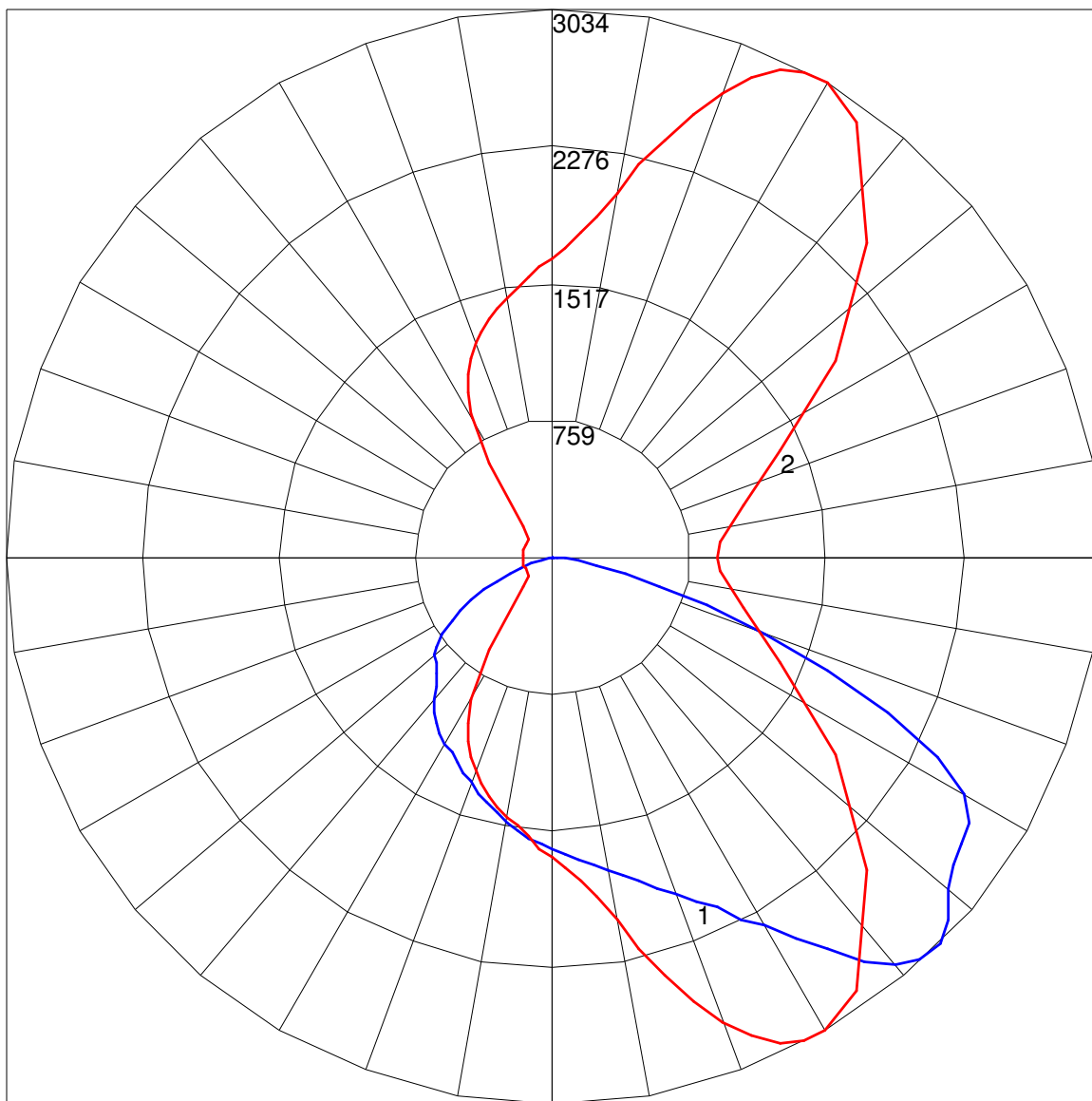
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

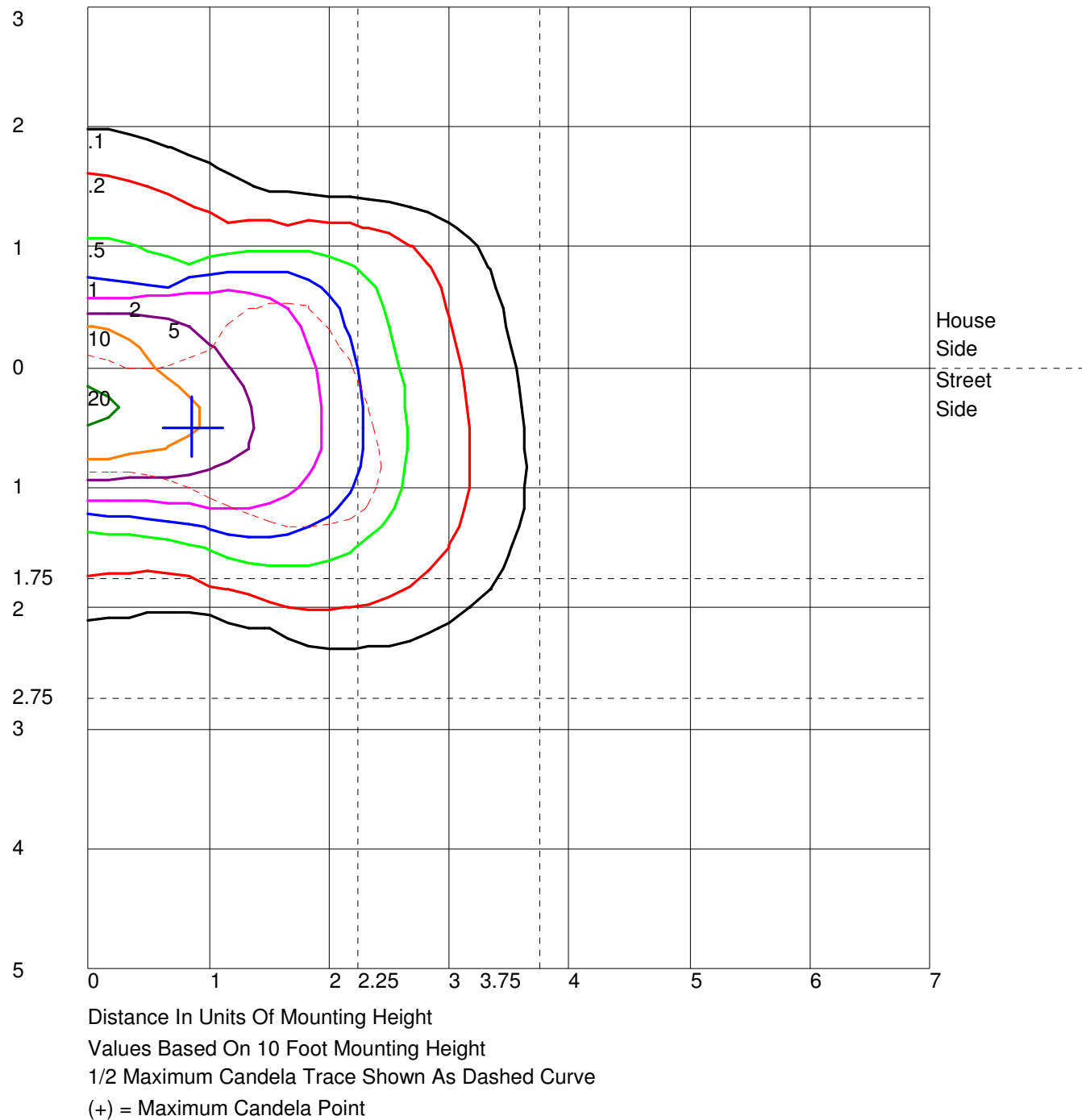
	Lumens	Percent Of Luminaire
Downward Street Side	3818.9	70.7
Downward House Side	1586.4	29.3
Downward Total	5405.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5405.3	100.0

POLAR GRAPH

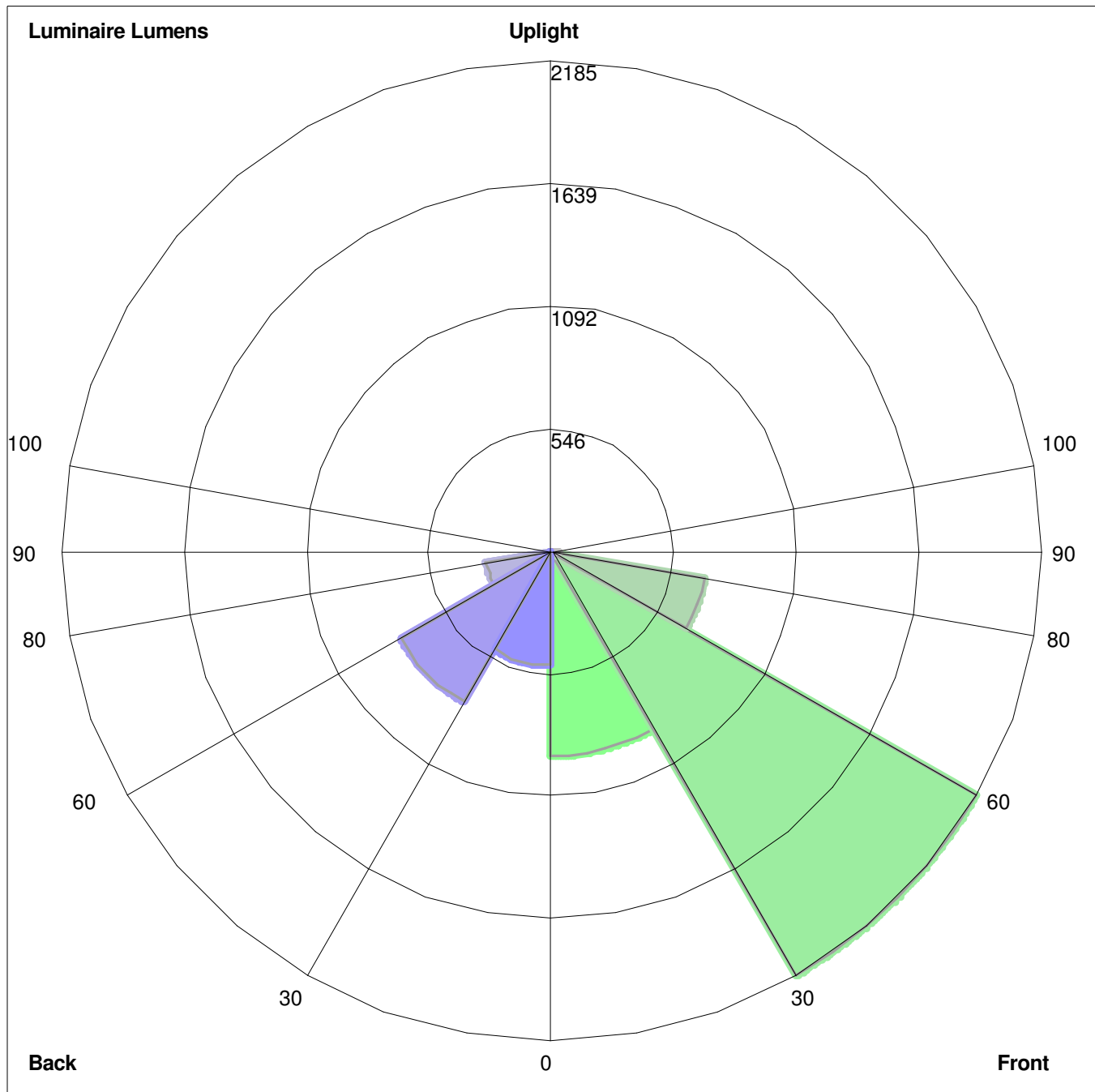


Maximum Candela = 3034.227 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=912.8, Medium= 2185.0, High=693.6, Very High=27.4
Back: Low=507.0, Medium=776.8, High=294.6, Very High=8.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1