



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-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-L60-840-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	5837
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3297.7
Maximum Candela Angle	60H 45V
Maximum Candela (<90 Degrees Vertical)	3297.7
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	216.512 (3.7% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	938.6	N.A.	16.1
FM - Front-Medium (30-60)	2326.8	N.A.	39.9
FH - Front-High (60-80)	899.4	N.A.	15.4
FVH - Front-Very High (80-90)	15.5	N.A.	0.3
BL - Back-Low (0-30)	522.8	N.A.	9.0
BM - Back-Medium (30-60)	795.4	N.A.	13.6
BH - Back-High (60-80)	336.5	N.A.	5.8
BVH - Back-Very High (80-90)	2.0	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	5837.0	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	60.0	62.5	65.0
0.0	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347
2.5	1754.788	1769.660	1759.713	1743.296	1742.524	1750.829	1736.536	1724.079	1714.904	1711.814
5.0	1829.920	1845.854	1832.914	1810.799	1804.232	1802.011	1775.165	1756.140	1743.007	1736.923
7.5	1919.345	1937.210	1919.345	1886.028	1865.941	1850.973	1811.185	1787.429	1770.239	1760.969
10.0	2091.144	2105.823	2078.590	2020.165	1963.381	1913.454	1845.275	1812.634	1790.809	1778.062
12.5	2263.137	2280.713	2245.754	2173.905	2099.160	2013.791	1888.539	1837.742	1808.868	1789.650
15.0	2453.381	2471.344	2426.631	2329.288	2226.923	2121.178	1958.456	1877.530	1836.294	1806.936
17.5	2643.240	2668.734	2613.785	2498.383	2367.626	2225.667	2039.189	1940.397	1884.096	1841.412
20.0	2821.220	2857.723	2793.311	2661.491	2504.371	2337.496	2114.128	2008.866	1946.867	1892.788
22.5	2942.319	2990.508	2926.868	2796.884	2631.748	2444.497	2193.896	2074.824	2009.639	1950.634
25.0	2967.235	3018.900	2970.518	2877.134	2732.085	2549.469	2284.865	2155.654	2083.515	2019.102
27.5	2872.788	2933.725	2917.018	2872.112	2794.083	2648.068	2382.595	2254.349	2176.996	2104.181
30.0	2730.829	2793.021	2775.445	2769.651	2783.847	2726.580	2493.169	2369.461	2284.672	2205.677
32.5	2627.981	2690.849	2657.918	2640.149	2726.194	2796.594	2633.293	2499.639	2413.208	2329.771
35.0	2539.523	2596.113	2555.650	2532.473	2645.557	2862.938	2801.229	2673.466	2567.335	2479.359
37.5	2379.118	2434.067	2432.812	2434.550	2587.615	2914.700	2996.206	2873.561	2764.050	2646.909
40.0	2053.868	2100.801	2182.211	2301.958	2536.625	2923.971	3160.376	3075.008	2968.007	2841.306
42.5	1606.649	1642.573	1800.273	2069.126	2434.840	2859.558	3235.895	3234.736	3147.436	3033.482
45.0	1190.525	1227.512	1394.869	1737.405	2233.490	2696.740	3207.406	3297.700	3240.820	3147.532
47.5	709.989	762.040	978.455	1369.374	1945.419	2513.448	3099.344	3215.615	3205.571	3154.389
50.0	457.649	482.468	623.558	1006.751	1655.127	2368.978	2985.776	3095.094	3111.898	3078.774
52.5	227.135	236.888	369.094	688.550	1371.209	2222.867	2805.672	2954.680	3002.193	2998.137
55.0	192.369	191.790	206.951	428.485	1091.057	2037.065	2559.706	2748.695	2814.749	2802.002
57.5	170.447	169.482	173.055	256.782	820.852	1828.182	2414.850	2666.417	2725.035	2719.917
60.0	153.161	151.616	154.127	177.207	574.789	1636.296	2542.033	2812.625	2890.075	2917.887
62.5	140.897	138.579	139.062	149.298	399.610	1432.628	2637.832	3041.498	3189.444	3272.978
65.0	130.081	128.053	126.315	134.137	292.996	1168.217	2430.011	2985.487	3191.086	3289.878
67.5	118.203	117.237	115.209	122.355	234.957	1001.246	2050.778	2551.014	2681.771	2733.147
70.0	104.103	103.717	103.524	111.539	187.444	809.843	1701.191	2118.377	2190.322	2168.015
72.5	87.879	87.783	88.845	101.592	155.093	668.367	1216.116	1439.967	1497.041	1490.088
75.0	69.434	70.110	72.332	92.611	126.797	485.268	690.192	826.743	903.806	911.146
77.5	48.672	50.217	53.790	74.746	95.315	256.106	404.149	409.847	402.507	385.318
80.0	26.557	28.971	31.289	49.541	67.696	117.044	216.512	162.625	130.467	111.636
82.5	15.355	16.417	17.479	29.454	44.326	59.391	97.247	77.450	65.378	57.846
85.0	7.822	8.209	8.402	15.065	26.943	35.924	35.345	32.931	29.937	28.488
87.5	3.090	3.380	3.380	5.505	9.367	12.554	9.367	10.623	10.526	10.333
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	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347
2.5	1702.350	1694.431	1698.970	1693.176	1683.905	1676.566	1668.937	1673.669	1677.242	1674.152
5.0	1723.016	1713.166	1714.132	1704.282	1692.500	1681.491	1670.385	1671.641	1672.124	1666.716
7.5	1744.455	1729.197	1727.748	1714.518	1698.777	1684.967	1669.516	1668.550	1665.460	1656.962
10.0	1757.106	1740.206	1736.053	1719.540	1700.322	1681.587	1664.784	1659.666	1653.389	1641.511
12.5	1765.314	1745.228	1737.116	1717.319	1696.170	1674.538	1654.065	1646.243	1637.455	1622.390
15.0	1772.557	1747.545	1737.309	1713.649	1689.893	1665.364	1640.931	1630.888	1618.527	1601.917
17.5	1792.644	1758.168	1740.689	1712.683	1686.223	1658.507	1632.143	1618.334	1603.172	1584.244
20.0	1826.927	1778.834	1749.477	1715.774	1683.905	1652.906	1622.776	1607.711	1590.714	1568.889
22.5	1874.343	1810.123	1765.701	1721.954	1684.967	1648.657	1615.823	1597.957	1578.450	1554.790
25.0	1936.728	1862.368	1799.307	1740.689	1695.107	1652.327	1614.760	1595.350	1572.366	1547.064
27.5	2013.018	1932.865	1855.222	1776.517	1717.608	1667.488	1623.838	1601.144	1576.422	1548.030
30.0	2105.050	2017.461	1929.002	1831.369	1755.271	1693.466	1643.442	1617.078	1589.555	1559.136
32.5	2220.356	2125.137	2024.414	1911.909	1816.400	1736.440	1676.373	1646.243	1615.340	1582.120
35.0	2359.032	2252.128	2139.333	2012.246	1898.582	1794.479	1722.823	1686.513	1650.685	1614.664
37.5	2509.392	2388.003	2261.978	2118.667	1987.138	1855.608	1766.859	1720.119	1679.366	1640.159
40.0	2667.865	2526.196	2375.545	2215.431	2066.808	1914.033	1800.466	1739.820	1693.852	1650.975
42.5	2847.294	2671.535	2491.141	2308.139	2139.043	1969.465	1834.556	1758.072	1704.861	1660.438
45.0	2997.654	2802.968	2593.602	2391.576	2208.864	2027.214	1879.461	1787.429	1726.976	1678.883
47.5	3041.111	2879.162	2657.049	2434.647	2256.377	2082.067	1931.802	1830.886	1766.473	1716.643
50.0	3012.719	2882.639	2656.856	2435.709	2263.813	2112.390	1983.371	1886.028	1831.562	1789.360
52.5	2933.338	2786.744	2546.282	2374.580	2255.797	2155.267	2083.032	2029.918	2009.542	1989.648
55.0	2730.250	2605.094	2455.989	2358.645	2325.135	2294.233	2279.650	2267.096	2266.131	2249.134
57.5	2658.305	2607.026	2564.438	2531.024	2523.685	2516.442	2510.744	2485.057	2450.291	2399.688
60.0	2893.165	2900.601	2882.252	2830.877	2774.576	2737.396	2664.002	2586.553	2516.539	2438.992
62.5	3288.429	3292.775	3229.907	3098.764	2951.783	2820.061	2705.238	2585.104	2447.008	2315.478
65.0	3286.015	3219.671	3091.232	2935.753	2759.994	2621.704	2510.551	2404.806	2262.461	2131.511
67.5	2732.278	2651.448	2532.763	2412.146	2282.354	2153.239	2056.089	1978.156	1879.847	1792.644
70.0	2114.128	2021.420	1914.130	1805.971	1707.468	1592.453	1497.910	1430.214	1345.811	1278.597
72.5	1439.195	1354.985	1269.327	1196.416	1125.726	1049.145	979.614	933.936	870.103	827.708
75.0	875.125	804.918	737.608	681.210	622.978	550.067	475.901	439.011	400.093	378.461
77.5	351.614	292.803	239.978	186.575	143.987	116.947	98.985	92.708	86.624	83.727

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CANDELA TABULATION - (Cont.)

80.0	98.309	90.101	84.693	77.546	70.400	63.254	56.880	53.114	49.927	47.996
82.5	55.142	52.052	48.092	44.712	40.656	35.635	31.579	29.164	27.619	26.557
85.0	27.330	25.784	24.143	22.694	20.376	17.576	15.065	13.616	12.554	11.878
87.5	10.043	9.754	9.561	8.691	7.629	6.374	5.408	4.829	4.346	4.056
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	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347
2.5	1670.772	1662.080	1651.264	1653.582	1653.968	1658.121	1657.928	1649.236	1652.809	1657.348
5.0	1661.501	1648.850	1636.006	1635.620	1636.103	1637.744	1636.103	1626.542	1630.598	1634.847
7.5	1648.947	1633.978	1620.458	1619.686	1616.692	1617.851	1616.885	1606.359	1609.353	1611.380
10.0	1632.723	1615.919	1601.337	1597.861	1596.026	1595.929	1594.577	1582.699	1583.665	1584.824
12.5	1610.511	1593.805	1577.967	1574.104	1569.855	1569.565	1566.282	1552.183	1550.541	1547.064
15.0	1588.590	1570.724	1554.017	1548.513	1543.588	1541.367	1533.448	1518.286	1513.168	1504.090
17.5	1569.082	1550.348	1533.158	1526.012	1519.059	1514.520	1502.352	1483.617	1474.057	1459.764
20.0	1551.217	1531.227	1513.265	1504.766	1494.337	1486.514	1470.387	1447.403	1432.049	1413.024
22.5	1535.862	1514.810	1495.109	1483.328	1468.745	1457.447	1435.815	1409.354	1390.330	1370.340
25.0	1526.978	1503.607	1480.913	1464.883	1446.920	1429.924	1402.884	1374.589	1354.406	1334.126

IES ROAD REPORT

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

CANDELA TABULATION - (Cont.)

27.5	1526.784	1500.324	1475.023	1453.294	1430.214	1409.065	1377.196	1346.583	1323.793	1307.182
30.0	1535.572	1506.408	1477.244	1450.687	1423.261	1396.028	1359.427	1327.849	1305.251	1285.744
32.5	1556.721	1523.308	1491.343	1459.668	1426.544	1394.482	1353.826	1322.441	1294.918	1268.844
35.0	1586.658	1549.382	1513.941	1476.568	1437.360	1401.436	1359.717	1325.145	1290.862	1257.545
37.5	1610.125	1570.338	1531.227	1490.764	1448.079	1410.127	1365.511	1327.269	1286.613	1245.860
40.0	1620.458	1577.001	1535.379	1490.764	1447.210	1407.713	1360.586	1317.998	1271.934	1225.001
42.5	1626.349	1579.126	1533.641	1485.645	1440.354	1399.890	1347.452	1300.809	1253.006	1196.802
45.0	1643.539	1592.453	1542.139	1489.798	1441.512	1397.862	1339.147	1287.965	1234.271	1165.610
47.5	1677.725	1623.259	1567.730	1506.794	1455.322	1406.071	1341.465	1285.068	1220.076	1134.031
50.0	1758.072	1709.979	1659.762	1600.951	1548.899	1501.193	1427.896	1357.592	1278.791	1169.762
52.5	1974.487	1937.790	1894.912	1833.107	1770.819	1723.306	1636.489	1554.211	1451.942	1301.871
55.0	2226.537	2176.416	2114.997	2046.046	1977.384	1916.544	1811.765	1706.889	1557.494	1325.145
57.5	2354.589	2287.666	2216.590	2137.305	2054.351	1968.499	1834.362	1669.709	1449.431	1173.915
60.0	2353.141	2253.287	2158.647	2052.516	1956.428	1837.742	1679.559	1500.710	1275.700	997.287
62.5	2186.749	2052.902	1952.179	1861.595	1784.146	1687.382	1553.245	1383.570	1153.635	869.524
65.0	2014.081	1889.698	1800.852	1729.680	1666.812	1586.079	1469.615	1301.968	1060.541	785.700
67.5	1730.935	1631.854	1560.874	1516.645	1487.770	1436.684	1353.247	1195.643	971.985	726.792
70.0	1246.343	1180.385	1135.286	1117.614	1127.947	1103.611	1079.758	974.593	798.447	604.533
72.5	803.759	759.723	727.564	712.210	723.702	715.107	723.508	653.881	530.657	390.436
75.0	374.405	348.427	335.101	339.157	364.651	359.340	367.838	321.871	228.583	149.685
77.5	84.017	79.864	78.126	79.091	84.017	86.238	98.792	93.094	71.366	52.341
80.0	47.609	46.257	45.871	44.905	44.423	41.332	35.538	26.847	20.376	15.548
82.5	26.460	26.364	26.267	25.881	24.915	19.894	12.554	8.981	6.084	4.153
85.0	12.264	12.264	12.168	11.782	9.850	6.277	4.249	2.994	2.125	1.449
87.5	4.249	4.056	3.863	3.283	2.318	1.738	1.352	1.159	0.966	0.869
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-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

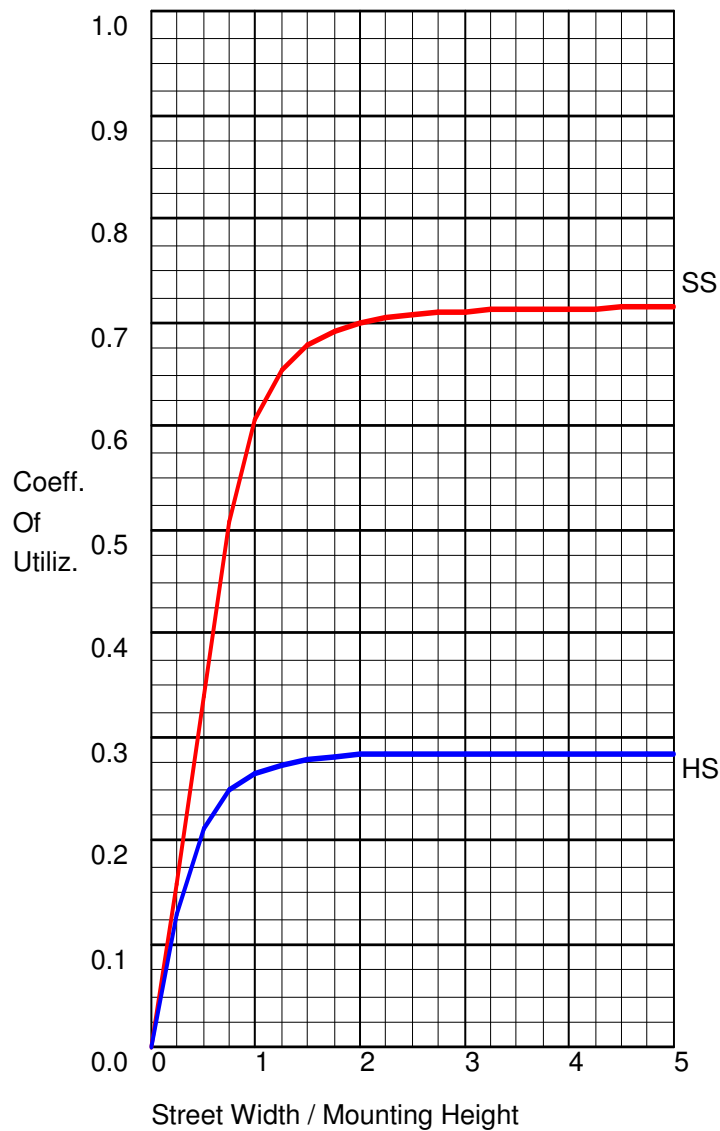
Horizontal Angles

	117.5	120.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
0.0	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347	1688.347
2.5	1655.513	1659.473	1663.915	1663.722	1647.595	1641.993	1653.292	1662.273	1645.470
5.0	1632.336	1633.688	1636.779	1634.944	1613.988	1601.820	1608.387	1614.278	1601.144
7.5	1609.256	1609.449	1608.001	1596.798	1564.737	1541.753	1538.373	1538.566	1526.881
10.0	1578.740	1575.166	1568.793	1541.560	1495.882	1464.110	1460.537	1463.337	1452.425
12.5	1538.663	1531.420	1514.713	1470.967	1427.413	1415.342	1435.332	1451.170	1442.768
15.0	1492.598	1479.948	1453.680	1412.541	1400.760	1404.429	1403.850	1401.629	1394.289
17.5	1443.830	1427.799	1399.794	1386.660	1378.162	1338.858	1309.210	1292.987	1287.192
20.0	1396.124	1379.997	1362.711	1362.228	1307.665	1230.795	1169.569	1119.835	1116.552
22.5	1353.923	1343.493	1336.250	1305.637	1203.562	1055.133	837.559	680.052	675.320
25.0	1321.475	1314.618	1303.126	1222.104	1043.930	693.668	490.097	415.351	413.902
27.5	1294.628	1284.199	1256.966	1114.137	765.517	432.444	313.276	272.040	270.881
30.0	1267.975	1251.847	1199.023	948.422	489.228	290.775	234.377	223.079	224.044
32.5	1243.735	1217.468	1132.293	736.835	335.970	227.521	211.104	207.048	208.496
35.0	1223.745	1181.447	1050.111	523.414	251.470	206.179	199.032	196.618	197.680
37.5	1201.051	1142.433	945.525	368.128	213.904	194.300	189.762	188.506	188.506
40.0	1168.120	1088.739	830.219	283.918	195.266	184.643	182.229	180.974	180.008
42.5	1125.629	1017.277	716.169	235.536	182.809	176.628	175.179	173.634	171.510
45.0	1075.123	939.634	604.726	206.951	173.827	170.544	168.613	166.295	163.977
47.5	1020.077	865.757	504.293	188.217	166.198	164.170	161.660	159.052	156.541
50.0	1028.769	849.630	469.238	179.042	159.245	156.155	152.872	150.844	148.526
52.5	1124.567	902.068	451.855	171.123	154.030	146.498	144.663	143.987	142.152
55.0	1073.288	802.600	360.692	163.301	147.850	138.772	137.131	138.772	137.420
57.5	915.588	662.283	292.416	154.224	139.255	131.336	129.984	133.171	132.302
60.0	762.427	545.722	245.386	141.766	128.922	122.935	121.486	126.315	126.701
62.5	656.199	469.044	214.387	126.218	115.306	110.767	103.041	107.097	109.028
65.0	586.378	411.778	185.609	108.642	97.730	79.381	63.833	55.818	57.653
67.5	545.432	377.785	163.398	88.652	66.441	38.725	22.791	14.196	16.320
70.0	468.851	343.889	146.401	58.232	28.971	9.271	2.801	2.318	2.221
72.5	295.990	214.967	96.185	28.875	5.601	1.931	1.738	1.738	1.738
75.0	119.555	84.403	45.678	4.829	1.642	1.159	0.869	0.773	0.869
77.5	40.270	30.903	10.333	1.449	0.869	0.483	0.290	0.290	0.290
80.0	10.913	5.891	1.738	0.773	0.386	0.193	0.193	0.193	0.193
82.5	2.801	1.738	0.869	0.386	0.290	0.193	0.193	0.193	0.193
85.0	1.062	0.869	0.579	0.290	0.193	0.193	0.097	0.193	0.193
87.5	0.676	0.579	0.483	0.290	0.193	0.193	0.097	0.193	0.193
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-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

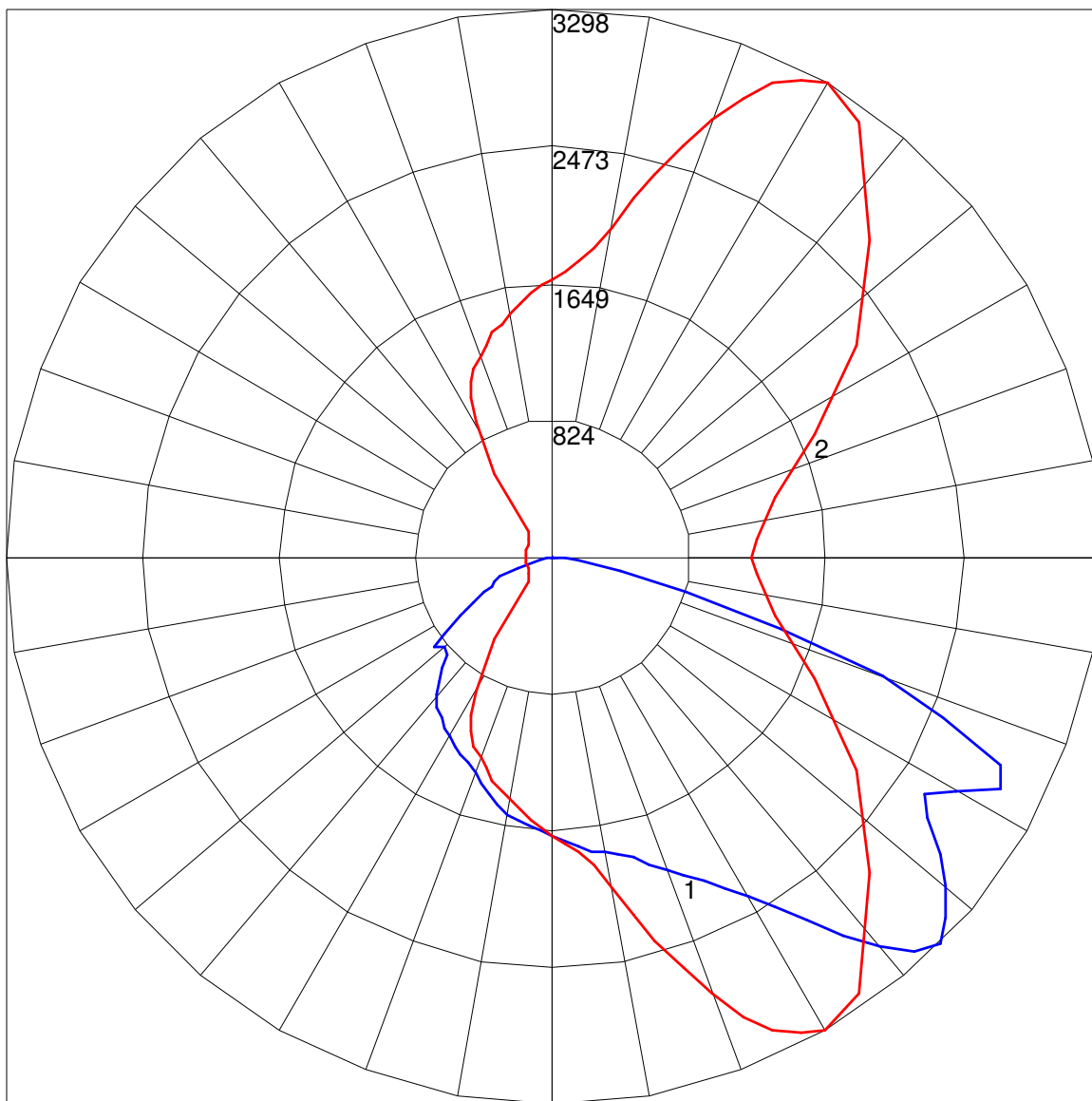
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

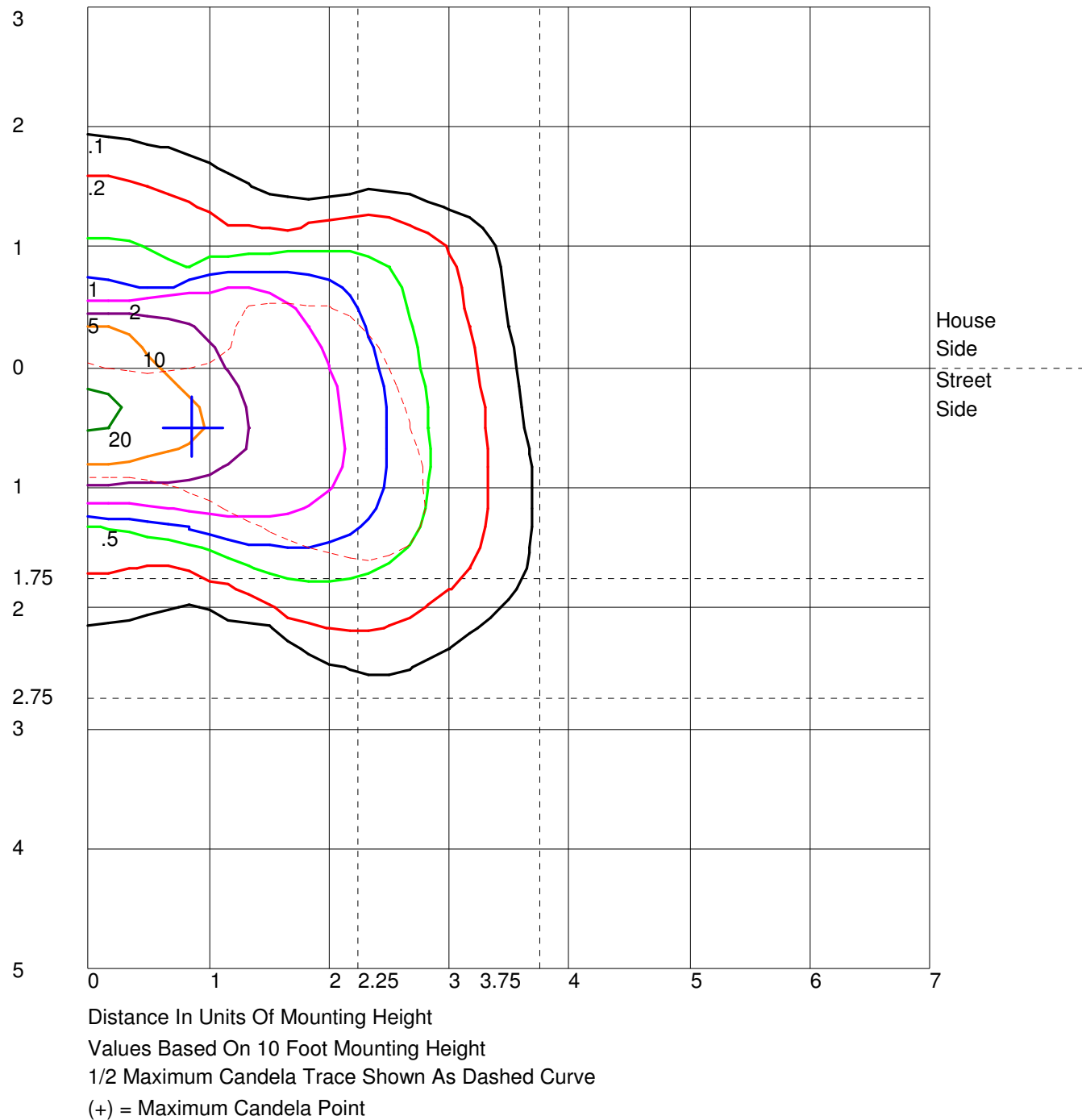
	Lumens	Percent Of Luminaire
Downward Street Side	4180.3	71.6
Downward House Side	1656.7	28.4
Downward Total	5837.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5837.0	100.0

POLAR GRAPH

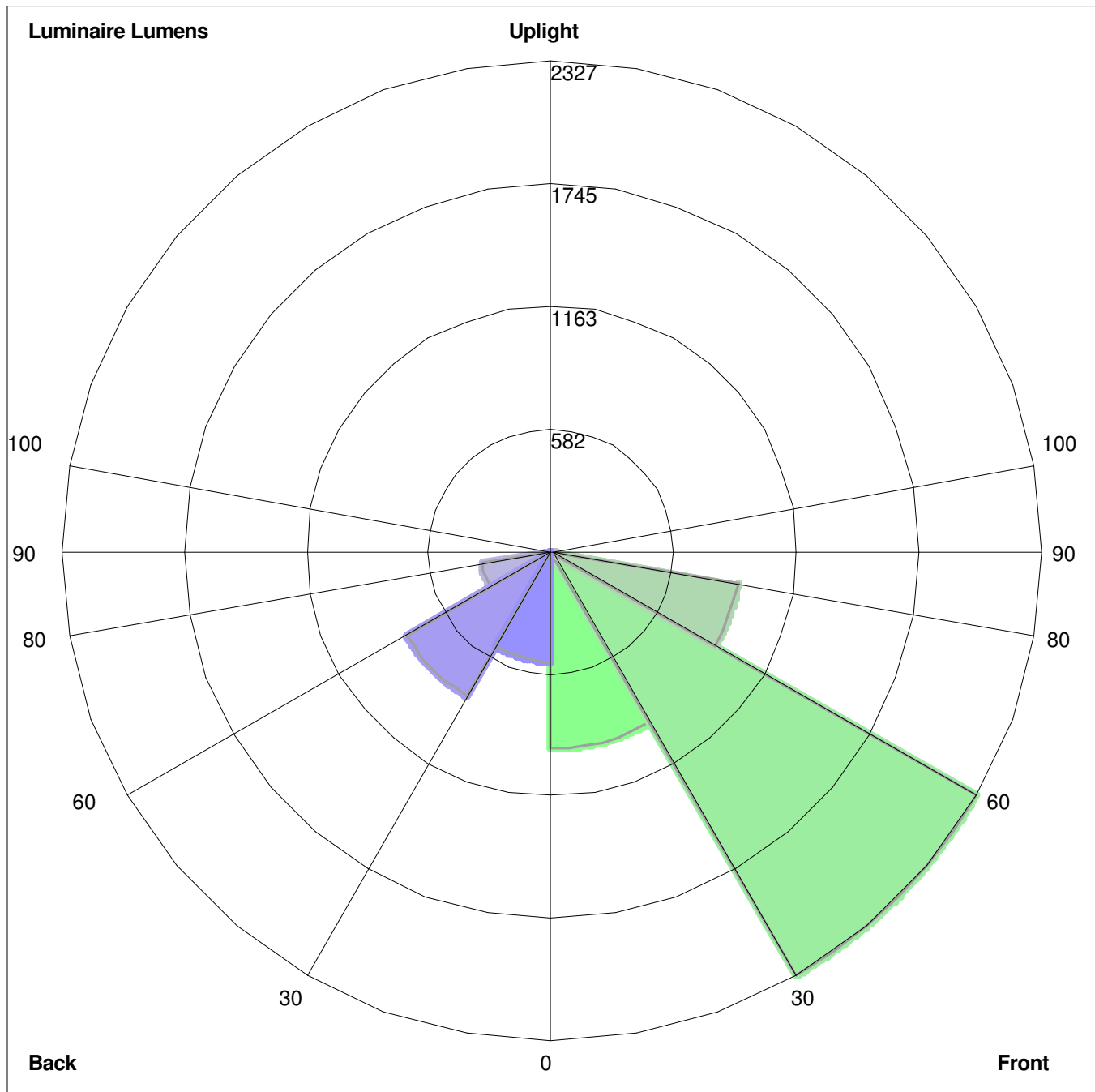


Maximum Candela = 3297.7 Located At Horizontal Angle = 60, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (45) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=938.6, Medium=2326.8, High=899.4, Very High=15.5
Back: Low=522.8, Medium=795.4, High=336.5, Very High=2.0
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1