



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-750-T3-XXX-CGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009827
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-750-T3-xxx-CGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND CLEAR
[MORE] GLASS LENS
[LAMPCAT] X8-LUXEON M
[LAMP] 8 WHITE LEDS
[_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	6664
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2754.15
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2754.15
Maximum Candela Angle (<90 Degrees Vertical)	0H 35V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	857.021 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-750-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	882.6	N.A.	13.2
FM - Front-Medium (30-60)	2477.3	N.A.	37.2
FH - Front-High (60-80)	1277.5	N.A.	19.2
FVH - Front-Very High (80-90)	53.3	N.A.	0.8
BL - Back-Low (0-30)	559.7	N.A.	8.4
BM - Back-Medium (30-60)	983.3	N.A.	14.8
BH - Back-High (60-80)	420.9	N.A.	6.3
BVH - Back-Very High (80-90)	9.5	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	6664.1	N.A.	100.0
BUG Rating	B2-U0-G1		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>2.5</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>65.0</u>	<u>75.0</u>
0.0	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673
2.5	1765.711	1771.327	1780.313	1773.574	1772.451	1763.465	1754.479	1742.124	1739.877	1725.275
5.0	1815.133	1821.873	1829.735	1825.242	1824.119	1817.380	1808.394	1798.285	1794.915	1770.204
7.5	1854.446	1861.186	1865.678	1862.309	1860.062	1862.309	1857.816	1853.323	1853.323	1825.242
10.0	1922.963	1928.579	1930.826	1925.209	1918.470	1917.347	1909.484	1904.991	1911.731	1882.527
12.5	1995.973	1999.342	1999.342	1999.342	1998.219	1998.219	1980.248	1962.276	1966.769	1935.318
15.0	2010.575	2013.944	2015.068	2026.300	2045.395	2067.859	2058.873	2030.793	2018.437	1978.001
17.5	2018.437	2017.314	2018.437	2022.930	2045.395	2090.324	2111.665	2098.186	2064.489	2012.821
20.0	2118.404	2118.404	2118.404	2091.447	2072.352	2085.831	2125.144	2146.485	2108.295	2043.148
22.5	2320.585	2309.353	2299.244	2231.850	2159.964	2109.419	2111.665	2165.580	2143.115	2075.722
25.0	2508.164	2496.932	2480.083	2377.870	2266.670	2168.949	2109.419	2155.471	2170.073	2097.063
27.5	2629.472	2623.856	2609.254	2486.822	2352.035	2240.836	2139.746	2139.746	2185.798	2113.911
30.0	2715.961	2706.975	2686.757	2557.586	2414.936	2303.737	2189.168	2144.239	2195.907	2126.267
32.5	2751.904	2740.672	2712.591	2600.268	2474.467	2362.144	2243.082	2168.949	2198.153	2136.376
35.0	2754.150	2744.041	2718.207	2621.610	2523.889	2423.922	2296.997	2199.277	2204.893	2156.594
37.5	2714.837	2712.591	2687.880	2621.610	2576.681	2487.946	2348.666	2210.509	2213.879	2175.689
40.0	2557.586	2541.861	2525.012	2547.477	2595.775	2559.832	2401.457	2216.125	2223.988	2210.509
42.5	2184.675	2164.457	2154.348	2282.395	2547.477	2637.335	2464.358	2226.234	2225.111	2261.054
45.0	1763.465	1742.124	1738.754	1866.802	2335.187	2678.894	2522.766	2243.082	2229.604	2309.353
47.5	1477.042	1463.564	1463.564	1564.654	1915.100	2651.937	2583.420	2262.177	2232.973	2358.775
50.0	1315.298	1304.065	1304.065	1397.293	1679.223	2519.396	2651.937	2280.149	2244.206	2399.211
52.5	1180.511	1170.402	1172.648	1263.629	1588.242	2174.566	2663.169	2328.448	2288.011	2439.647
55.0	1065.942	1059.202	1067.065	1153.553	1524.218	2011.698	2553.093	2429.538	2329.571	2489.069
57.5	990.685	988.439	991.809	1073.804	1464.687	1915.100	2282.395	2538.491	2380.116	2496.932
60.0	889.595	885.102	880.609	956.989	1369.213	1781.437	2034.162	2583.420	2385.732	2475.590
62.5	716.618	711.002	706.509	782.889	1192.866	1596.104	1791.546	2512.657	2335.187	2449.756
65.0	487.480	484.110	479.618	573.969	961.481	1357.980	1521.971	2334.064	2304.860	2484.576
67.5	263.958	265.081	275.190	352.693	712.125	1115.363	1282.724	2013.944	2332.940	2522.766
70.0	190.948	192.072	196.565	265.081	527.916	869.377	1052.463	1708.427	2409.320	2541.861
72.5	146.019	146.019	151.636	202.181	406.608	653.718	817.709	1413.018	2361.021	2402.581
75.0	112.323	111.199	114.569	150.512	306.641	452.660	587.447	1051.340	2103.802	2035.286
77.5	78.626	77.503	80.872	102.214	217.906	298.778	394.252	680.675	1675.853	1454.578
80.0	47.175	46.052	48.299	60.654	137.034	189.825	229.138	452.660	857.021	680.675
82.5	24.711	23.588	24.711	29.204	69.640	104.460	108.953	296.532	308.887	249.356
85.0	11.232	10.109	11.232	13.479	28.081	47.175	46.052	131.417	96.597	96.597
87.5	3.370	3.370	3.370	4.493	7.863	11.232	14.602	29.204	25.834	29.204
90.0	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>85.0</u>	<u>90.0</u>	<u>95.0</u>	<u>105.0</u>	<u>115.0</u>	<u>125.0</u>	<u>135.0</u>	<u>145.0</u>	<u>155.0</u>	<u>165.0</u>
0.0	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673	1710.673
2.5	1714.043	1707.304	1702.811	1693.825	1689.332	1674.730	1666.867	1662.375	1659.005	1652.266
5.0	1749.986	1736.507	1725.275	1700.564	1679.223	1641.033	1615.199	1592.735	1575.886	1561.284
7.5	1799.408	1780.313	1761.218	1718.536	1679.223	1623.062	1579.256	1543.313	1514.109	1495.014
10.0	1848.830	1825.242	1799.408	1738.754	1683.716	1616.322	1561.284	1518.602	1482.658	1459.071
12.5	1890.389	1860.062	1829.735	1753.356	1688.209	1612.953	1559.038	1506.246	1453.455	1406.279
15.0	1924.086	1888.143	1846.584	1757.849	1681.469	1610.706	1553.422	1471.426	1384.938	1307.435
17.5	1949.920	1906.115	1854.446	1749.986	1666.867	1599.474	1519.725	1396.170	1265.876	1131.089
20.0	1967.892	1916.224	1854.446	1733.138	1647.773	1573.640	1453.455	1269.245	1041.231	804.230
22.5	1983.617	1924.086	1856.693	1719.659	1633.171	1526.464	1351.241	1053.586	717.741	572.845
25.0	2002.712	1935.318	1858.939	1712.920	1614.076	1460.194	1190.620	746.945	577.338	558.243
27.5	2013.944	1942.058	1860.062	1709.550	1592.735	1372.582	967.098	607.665	584.078	612.158

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CANDELA TABULATION - (Cont.)

30.0	2020.684	1944.304	1852.200	1700.564	1561.284	1256.890	732.343	597.556	635.746	675.059
32.5	2024.053	1938.688	1837.598	1684.839	1517.478	1107.501	644.732	629.007	686.291	719.988
35.0	2019.560	1925.209	1816.257	1667.991	1462.440	952.496	643.609	654.841	698.647	698.647
37.5	2021.807	1913.977	1794.915	1643.280	1390.554	796.367	636.869	652.594	659.334	663.827
40.0	2033.039	1912.854	1781.437	1611.829	1293.956	669.443	609.912	612.158	620.021	671.689
42.5	2052.134	1916.224	1771.327	1571.393	1185.003	572.845	545.888	577.338	650.348	808.723
45.0	2081.338	1926.333	1767.958	1534.327	1053.586	487.480	478.494	545.888	768.287	888.472
47.5	2120.651	1952.167	1781.437	1506.246	935.647	402.115	412.224	637.992	816.585	916.552
50.0	2170.073	1981.371	1797.162	1484.905	845.789	334.721	374.034	684.045	727.850	677.305
52.5	2206.016	2006.082	1814.010	1479.289	805.353	294.285	386.390	509.945	384.143	350.447
55.0	2272.286	2055.504	1853.323	1490.521	786.258	265.081	299.901	293.162	258.342	248.233
57.5	2357.651	2113.911	1880.280	1478.165	740.206	245.987	226.892	229.138	223.522	211.166
60.0	2373.377	2146.485	1912.854	1450.085	680.675	226.892	198.811	197.688	199.934	194.318
62.5	2404.827	2146.485	1900.498	1371.459	626.760	206.674	180.839	170.730	178.593	171.854
65.0	2478.960	2184.675	1897.129	1305.189	563.859	185.332	158.375	146.019	135.910	143.773
67.5	2590.159	2255.438	1954.413	1326.530	508.821	166.237	124.678	99.967	84.242	76.379
70.0	2638.458	2274.533	1967.892	1365.843	457.153	141.526	84.242	47.175	21.341	4.493
72.5	2476.713	2113.911	1819.626	1289.464	396.499	105.583	42.683	8.986	3.370	3.370
75.0	1970.138	1673.607	1432.113	1089.529	284.176	61.777	7.863	3.370	2.246	2.246
77.5	1127.719	952.496	800.860	763.794	138.157	17.972	2.246	2.246	1.123	1.123
80.0	415.594	348.200	265.081	314.503	44.929	3.370	1.123	1.123	1.123	1.123
82.5	150.512	122.432	97.721	84.242	12.355	1.123	1.123	1.123	1.123	0.000
85.0	57.285	49.422	40.436	23.588	2.246	1.123	1.123	1.123	1.123	1.123
87.5	16.848	15.725	13.479	3.370	1.123	1.123	1.123	1.123	1.123	1.123
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

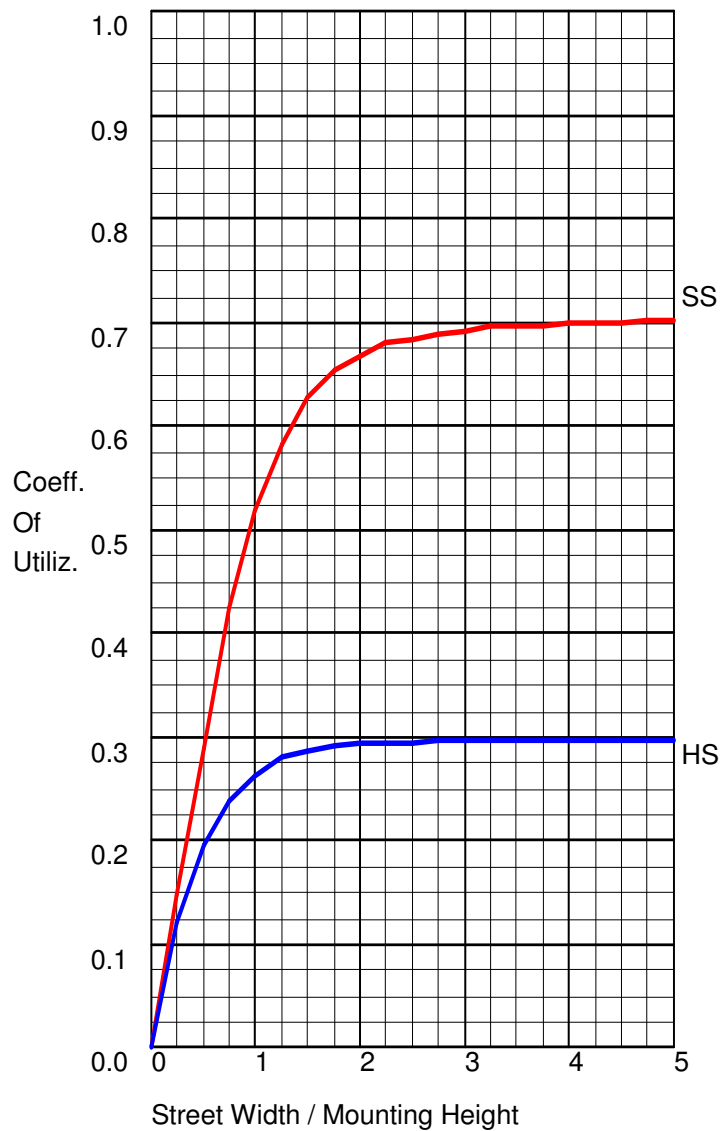
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1710.673	1710.673
2.5	1660.128	1657.882
5.0	1565.777	1565.777
7.5	1493.891	1504.000
10.0	1453.455	1465.810
12.5	1388.307	1402.909
15.0	1273.738	1273.738
17.5	1065.942	1049.093
20.0	709.879	686.291
22.5	545.888	547.011
25.0	561.613	561.613
27.5	623.390	623.390
30.0	687.414	687.414
32.5	726.727	726.727
35.0	696.400	694.154
37.5	667.196	666.073
40.0	745.822	743.576
42.5	867.131	866.007
45.0	935.647	934.524
47.5	943.510	951.372
50.0	620.021	640.239
52.5	345.954	356.063
55.0	243.740	247.110
57.5	205.550	205.550
60.0	190.948	189.825
62.5	180.839	181.963
65.0	169.607	174.100

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-750-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	49.422	33.697
70.0	3.370	3.370
72.5	3.370	3.370
75.0	2.246	2.246
77.5	1.123	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.123
87.5	1.123	0.000
90.0	0.000	0.000

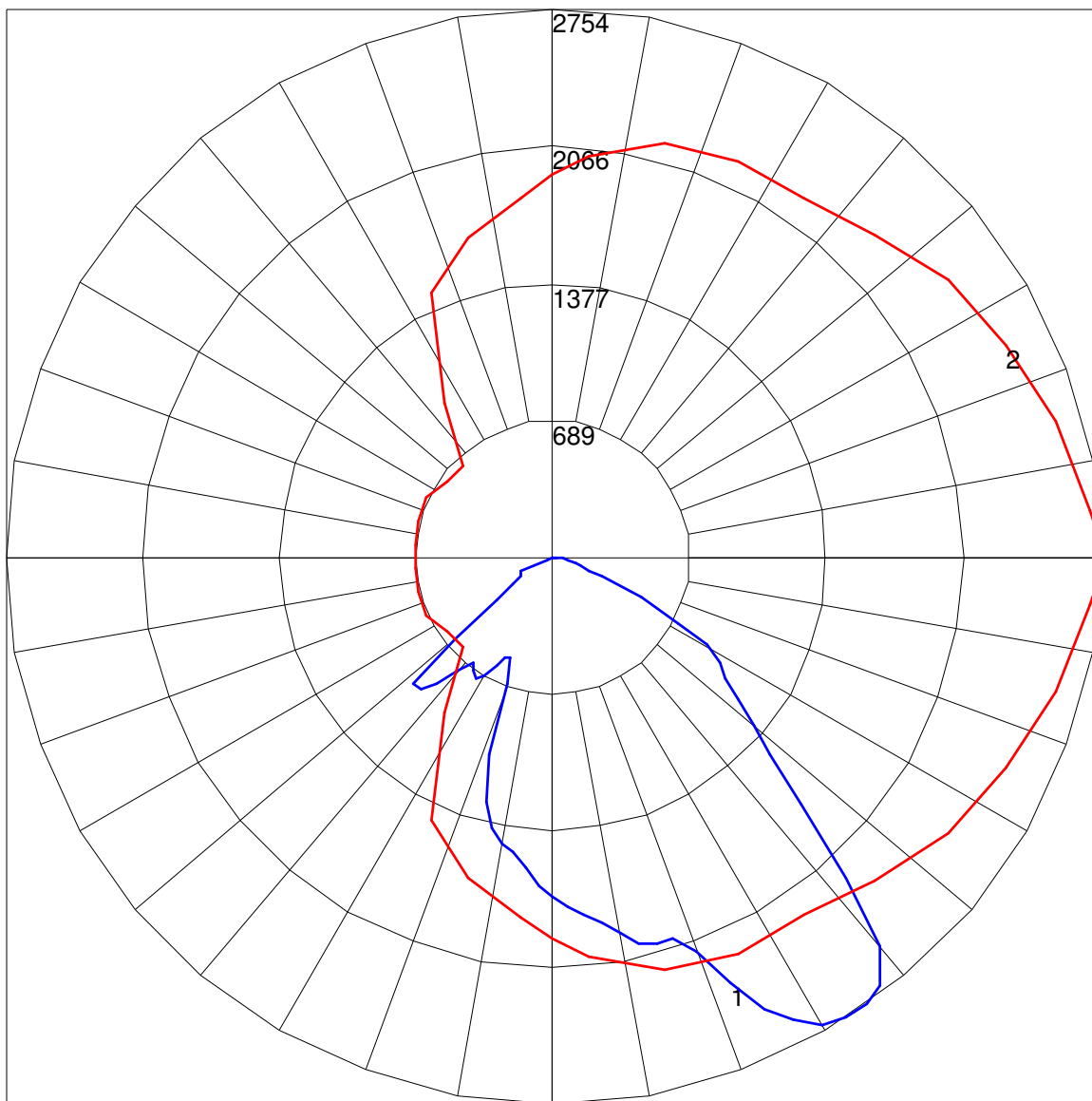
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

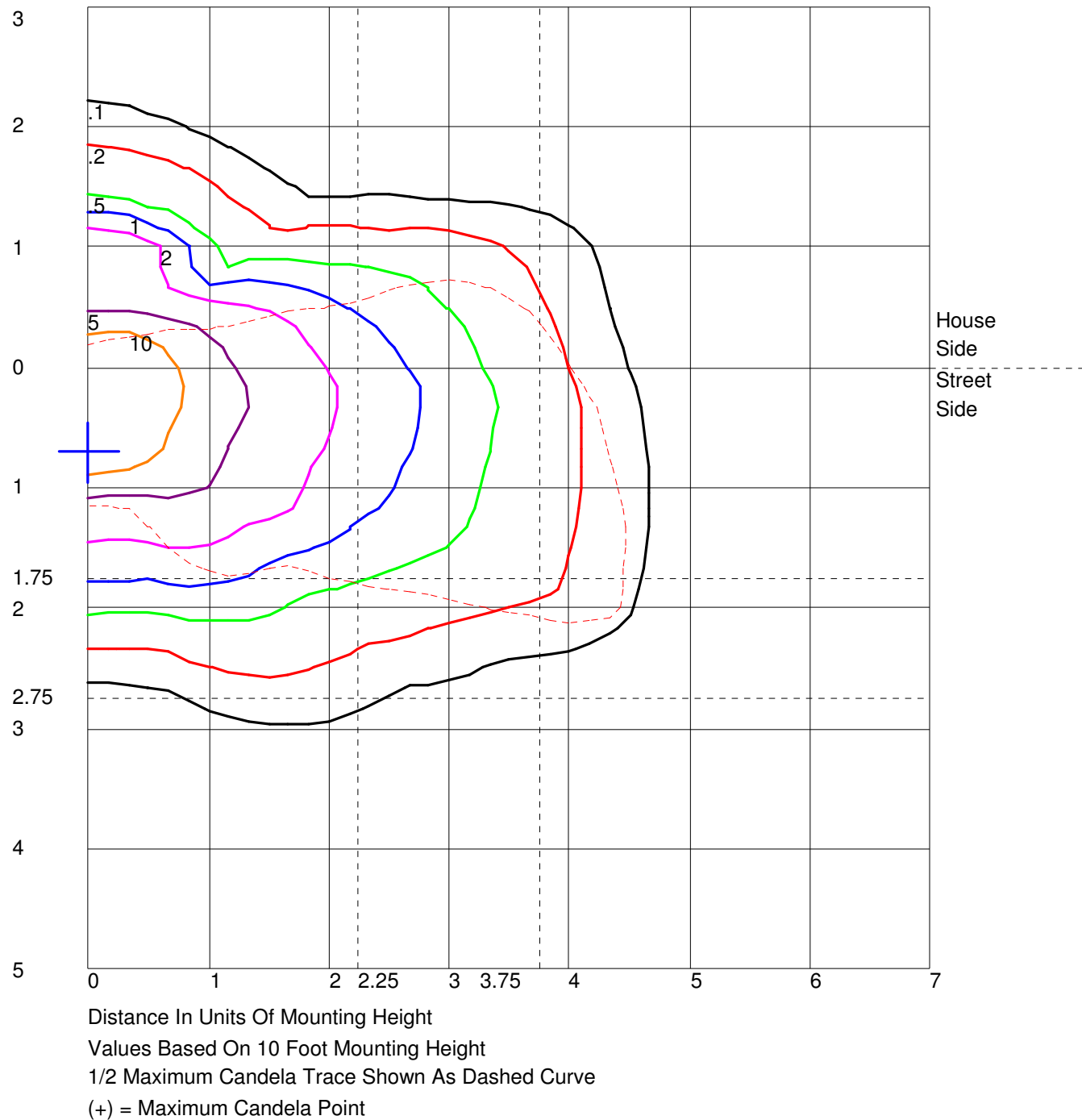
	Lumens	Percent Of Luminaire
Downward Street Side	4690.8	70.4
Downward House Side	1973.4	29.6
Downward Total	6664.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6664.2	100.0

POLAR GRAPH

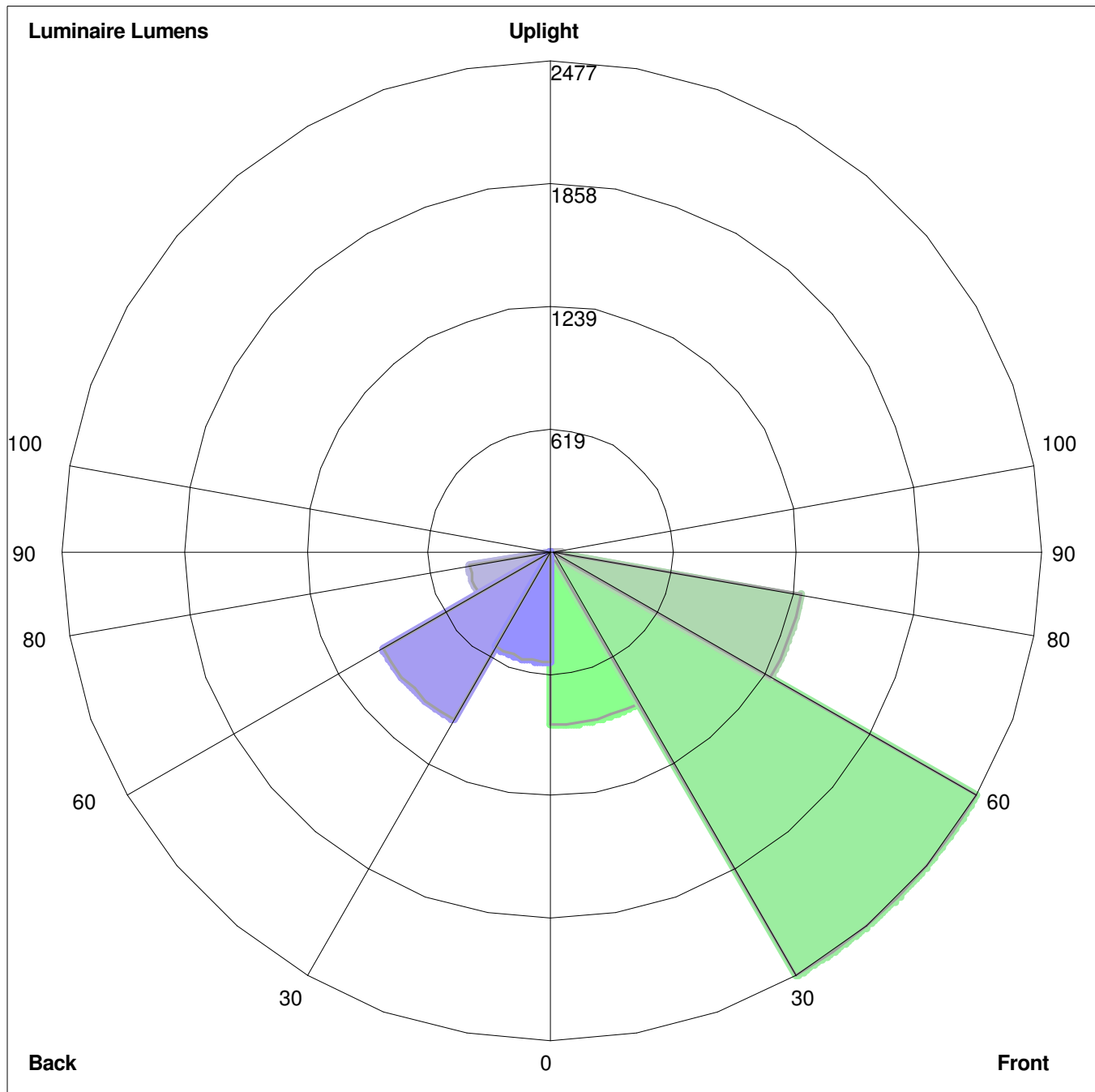


Maximum Candela = 2754.15 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=882.6, Medium=2477.3, High=1277.5, Very High=53.3
Back: Low=559.7, Medium=983.3, High=420.9, Very High=9.5
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1