



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-840-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-L60-840-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	5888
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2433.279
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2433.279
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	757.174 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	779.8	N.A.	13.2
FM - Front-Medium (30-60)	2188.7	N.A.	37.2
FH - Front-High (60-80)	1128.7	N.A.	19.2
FVH - Front-Very High (80-90)	47.1	N.A.	0.8
BL - Back-Low (0-30)	494.5	N.A.	8.4
BM - Back-Medium (30-60)	868.7	N.A.	14.8
BH - Back-High (60-80)	371.8	N.A.	6.3
BVH - Back-Very High (80-90)	8.4	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	5887.7	N.A.	100.0
BUG Rating	B1-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	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372
2.5	1559.998	1564.959	1572.898	1566.944	1565.952	1558.013	1550.074	1539.158	1537.173	1524.272
5.0	1603.662	1609.616	1616.562	1612.593	1611.600	1605.646	1597.707	1588.776	1585.799	1563.967
7.5	1638.394	1644.349	1648.318	1645.341	1643.356	1645.341	1641.371	1637.402	1637.402	1612.593
10.0	1698.929	1703.890	1705.875	1700.913	1694.959	1693.967	1687.020	1683.051	1689.005	1663.203
12.5	1763.432	1766.409	1766.409	1766.409	1765.417	1765.417	1749.539	1733.661	1737.631	1709.845
15.0	1776.333	1779.310	1780.302	1790.226	1807.096	1826.944	1819.005	1794.196	1783.280	1747.554
17.5	1783.280	1782.287	1783.280	1787.249	1807.096	1846.791	1865.646	1853.737	1823.967	1778.318
20.0	1871.600	1871.600	1871.600	1847.783	1830.913	1842.821	1877.554	1896.409	1862.669	1805.112
22.5	2050.226	2040.302	2031.371	1971.829	1908.318	1863.661	1865.646	1913.279	1893.432	1833.890
25.0	2215.951	2206.027	2191.142	2100.836	2002.592	1916.256	1863.661	1904.348	1917.249	1852.745
27.5	2323.126	2318.164	2305.263	2197.096	2078.012	1979.768	1890.455	1890.455	1931.142	1867.631
30.0	2399.538	2391.599	2373.737	2259.615	2133.584	2035.340	1934.119	1894.424	1940.073	1878.547
32.5	2431.294	2421.370	2396.561	2297.325	2186.180	2086.943	1981.753	1916.256	1942.058	1887.478
35.0	2433.279	2424.347	2401.523	2316.179	2229.844	2141.523	2029.386	1943.050	1948.012	1905.340
37.5	2398.546	2396.561	2374.729	2316.179	2276.485	2198.088	2075.035	1952.974	1955.951	1922.211
40.0	2259.615	2245.722	2230.836	2250.683	2293.355	2261.599	2121.676	1957.936	1964.882	1952.974
42.5	1930.150	1912.287	1903.356	2016.485	2250.683	2330.073	2177.248	1966.867	1965.875	1997.630
45.0	1558.013	1539.158	1536.181	1649.310	2063.126	2366.790	2228.851	1981.753	1969.844	2040.302
47.5	1304.960	1293.051	1293.051	1382.364	1691.982	2342.973	2282.439	1998.623	1972.821	2083.966
50.0	1162.059	1152.136	1152.136	1234.502	1483.585	2225.874	2342.973	2014.501	1982.745	2119.691
52.5	1042.975	1034.044	1036.029	1116.410	1403.204	1921.218	2352.897	2057.172	2021.447	2155.416
55.0	941.754	935.800	942.747	1019.159	1346.639	1777.325	2255.645	2146.485	2058.165	2199.080
57.5	875.266	873.281	876.258	948.701	1294.044	1691.982	2016.485	2242.745	2102.821	2206.027
60.0	785.953	781.983	778.014	845.495	1209.693	1573.891	1797.173	2282.439	2107.783	2187.172
62.5	633.129	628.167	624.197	691.678	1053.891	1410.150	1582.822	2219.920	2063.126	2164.348
65.0	430.686	427.709	423.740	507.098	849.464	1199.769	1344.654	2062.134	2036.333	2195.111
67.5	233.206	234.198	243.129	311.603	629.159	985.418	1133.281	1779.310	2061.142	2228.851
70.0	168.702	169.694	173.664	234.198	466.411	768.090	929.846	1509.387	2128.623	2245.722
72.5	129.007	129.007	133.969	178.626	359.236	577.556	722.442	1248.395	2085.951	2122.668
75.0	99.236	98.244	101.221	132.977	270.916	399.923	519.007	928.853	1858.699	1798.165
77.5	69.466	68.473	71.450	90.305	192.519	263.969	348.320	601.373	1480.608	1285.112
80.0	41.679	40.687	42.672	53.588	121.069	167.710	202.442	399.923	757.174	601.373
82.5	21.832	20.840	21.832	25.801	61.527	92.290	96.259	261.984	272.900	220.305
85.0	9.924	8.931	9.924	11.908	24.809	41.679	40.687	116.107	85.343	85.343
87.5	2.977	2.977	2.977	3.969	6.947	9.924	12.901	25.801	22.824	25.801
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	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372	1511.372
2.5	1514.349	1508.395	1504.425	1496.486	1492.517	1479.616	1472.669	1468.700	1465.723	1459.769
5.0	1546.104	1534.196	1524.272	1502.440	1483.585	1449.845	1427.021	1407.173	1392.288	1379.387
7.5	1589.768	1572.898	1556.028	1518.318	1483.585	1433.967	1395.265	1363.509	1337.708	1320.838
10.0	1633.433	1612.593	1589.768	1536.181	1487.555	1428.013	1379.387	1341.677	1309.922	1289.082
12.5	1670.150	1643.356	1616.562	1549.081	1491.524	1425.036	1377.402	1330.761	1284.120	1242.441
15.0	1699.921	1668.165	1631.448	1553.051	1485.570	1423.051	1372.441	1299.998	1223.586	1155.113
17.5	1722.745	1684.043	1638.394	1546.104	1472.669	1413.128	1342.670	1233.509	1118.395	999.311
20.0	1738.623	1692.974	1638.394	1531.219	1455.799	1390.303	1284.120	1121.372	919.922	710.533
22.5	1752.516	1699.921	1640.379	1519.311	1442.898	1348.624	1193.815	930.838	634.121	506.106
25.0	1769.386	1709.845	1642.364	1513.356	1426.028	1290.074	1051.907	659.923	510.076	493.205
27.5	1779.310	1715.799	1643.356	1510.379	1407.173	1212.670	854.426	536.869	516.030	540.839

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PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-CGL-DIM-UNV_.IES

CANDELA TABULATION - (Cont.)

30.0	1785.264	1717.784	1636.410	1502.440	1379.387	1110.456	647.022	527.938	561.678	596.411
32.5	1788.241	1712.822	1623.509	1488.547	1340.685	978.472	569.617	555.724	606.335	636.106
35.0	1784.272	1700.913	1604.654	1473.662	1292.059	841.525	568.625	578.549	617.251	617.251
37.5	1786.257	1690.990	1585.799	1451.830	1228.548	703.587	562.671	576.564	582.518	586.488
40.0	1796.180	1689.997	1573.891	1424.044	1143.204	591.449	538.854	540.839	547.785	593.434
42.5	1813.051	1692.974	1564.959	1388.318	1046.945	506.106	482.289	510.076	574.579	714.503
45.0	1838.852	1701.906	1561.982	1355.570	930.838	430.686	422.747	482.289	678.778	784.961
47.5	1873.585	1724.730	1573.891	1330.761	826.640	355.267	364.198	563.663	721.449	809.770
50.0	1917.249	1750.532	1587.784	1311.906	747.251	295.725	330.457	604.350	643.052	598.396
52.5	1949.005	1772.364	1602.669	1306.944	711.526	260.000	341.373	450.534	339.389	309.618
55.0	2007.554	1816.028	1637.402	1316.868	694.655	234.198	264.961	259.007	228.244	219.313
57.5	2082.974	1867.631	1661.219	1305.952	653.968	217.328	200.458	202.442	197.481	186.565
60.0	2096.867	1896.409	1689.997	1281.143	601.373	200.458	175.649	174.656	176.641	171.679
62.5	2124.653	1896.409	1679.081	1211.677	553.740	182.595	159.771	150.839	157.786	151.832
65.0	2190.149	1930.150	1676.104	1153.128	498.167	163.740	139.923	129.007	120.076	127.023
67.5	2288.393	1992.669	1726.715	1171.983	449.541	146.870	110.152	88.320	74.427	67.481
70.0	2331.065	2009.539	1738.623	1206.716	403.892	125.038	74.427	41.679	18.855	3.969
72.5	2188.164	1867.631	1607.631	1139.235	350.305	93.282	37.710	7.939	2.977	2.977
75.0	1740.608	1478.624	1265.265	962.594	251.068	54.580	6.947	2.977	1.985	1.985
77.5	996.334	841.525	707.556	674.808	122.061	15.878	1.985	1.985	0.992	0.992
80.0	367.175	307.633	234.198	277.862	39.695	2.977	0.992	0.992	0.992	0.992
82.5	132.977	108.168	86.336	74.427	10.916	0.992	0.992	0.992	0.992	0.000
85.0	50.611	43.664	35.725	20.840	1.985	0.992	0.992	0.992	0.992	0.992
87.5	14.885	13.893	11.908	2.977	0.992	0.992	0.992	0.992	0.992	0.992
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

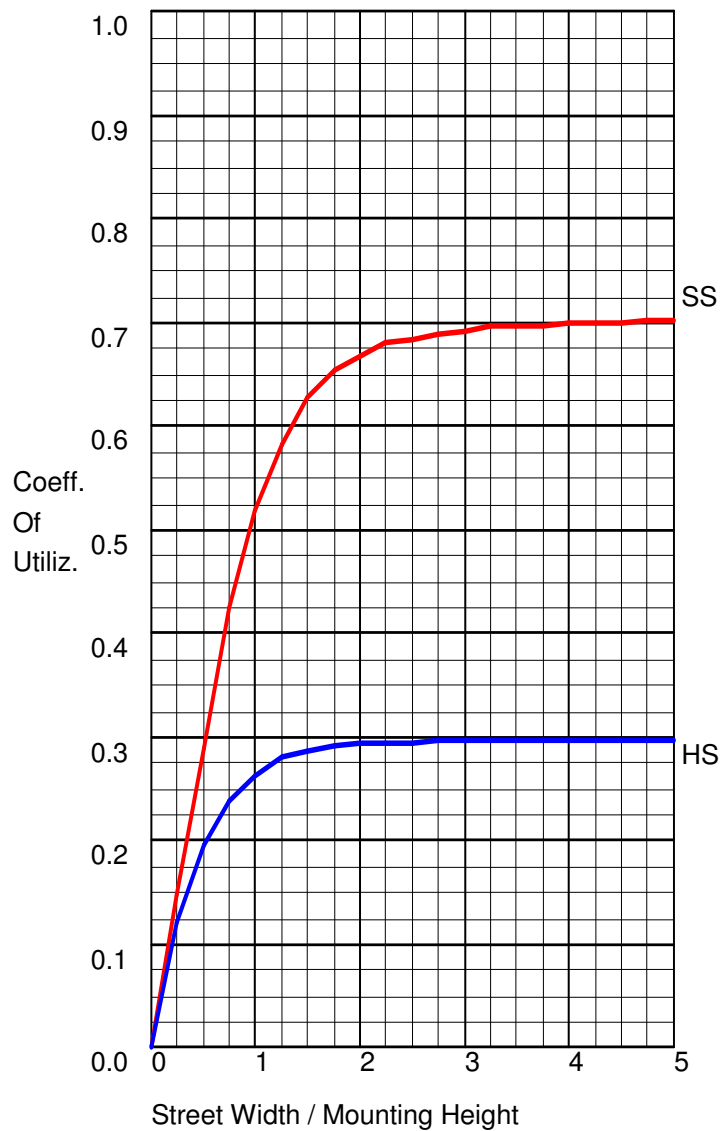
Vert. Horizontal Angles Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1511.372	1511.372
2.5	1466.715	1464.730
5.0	1383.357	1383.357
7.5	1319.845	1328.776
10.0	1284.120	1295.036
12.5	1226.563	1239.464
15.0	1125.342	1125.342
17.5	941.754	926.869
20.0	627.175	606.335
22.5	482.289	483.282
25.0	496.182	496.182
27.5	550.762	550.762
30.0	607.327	607.327
32.5	642.060	642.060
35.0	615.266	613.281
37.5	589.465	588.472
40.0	658.930	656.946
42.5	766.106	765.113
45.0	826.640	825.648
47.5	833.586	840.533
50.0	547.785	565.648
52.5	305.648	314.580
55.0	215.343	218.320
57.5	181.603	181.603
60.0	168.702	167.710
62.5	159.771	160.763
65.0	149.847	153.817

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-840-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	43.664	29.771
70.0	2.977	2.977
72.5	2.977	2.977
75.0	1.985	1.985
77.5	0.992	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.992
87.5	0.992	0.000
90.0	0.000	0.000

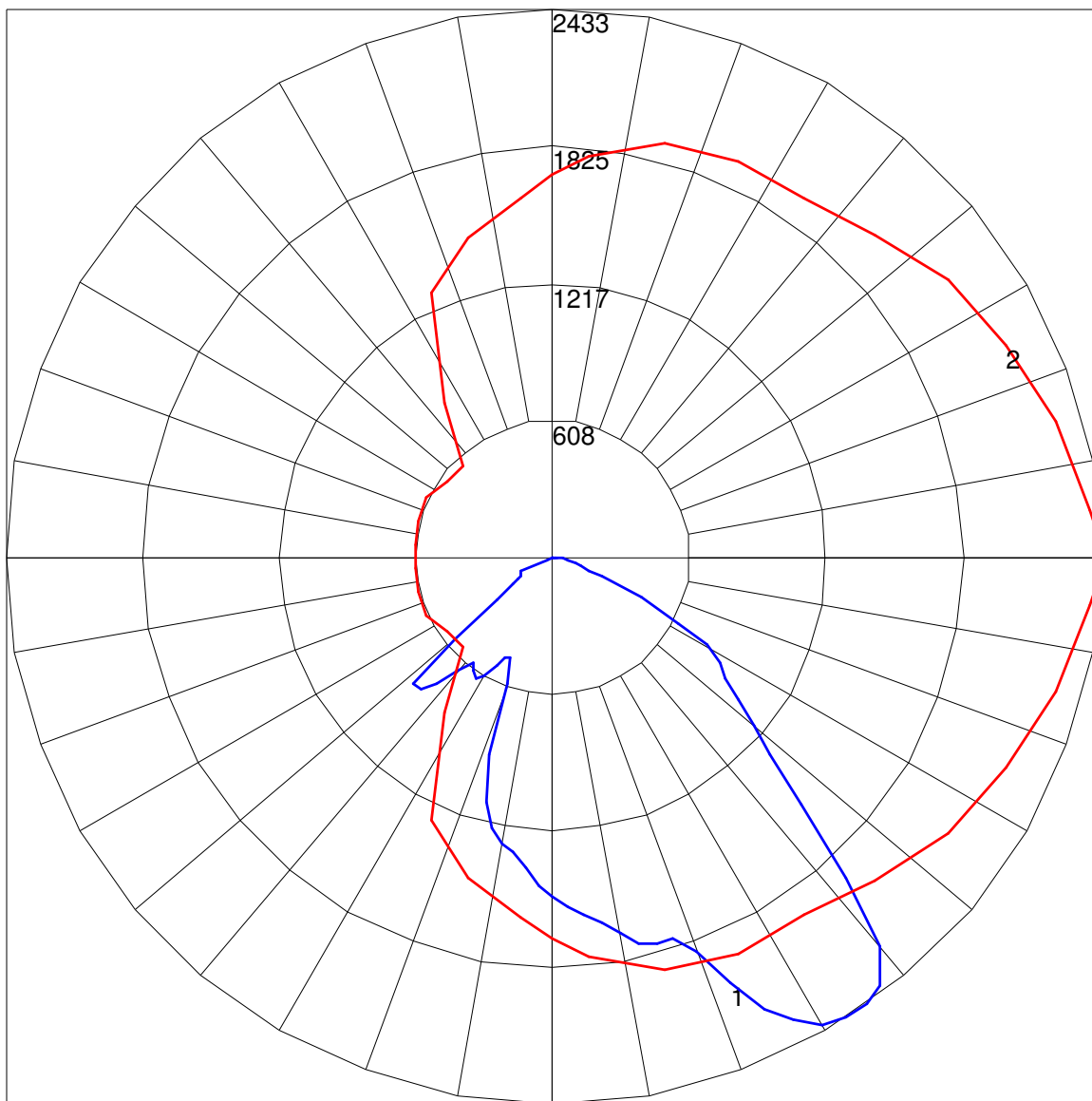
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

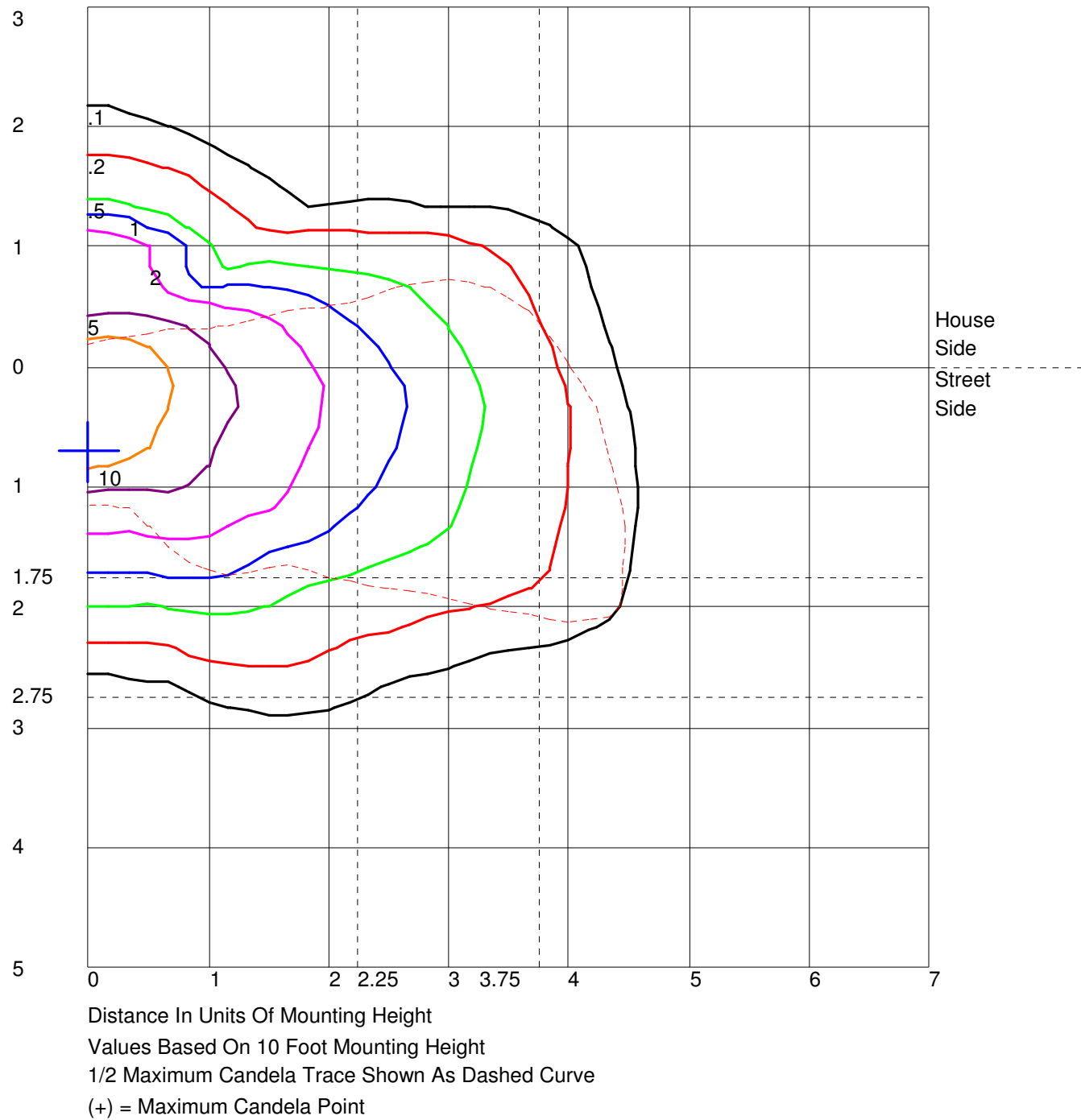
	Lumens	Percent Of Luminaire
Downward Street Side	4144.3	70.4
Downward House Side	1743.5	29.6
Downward Total	5887.8	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5887.8	100.0

POLAR GRAPH

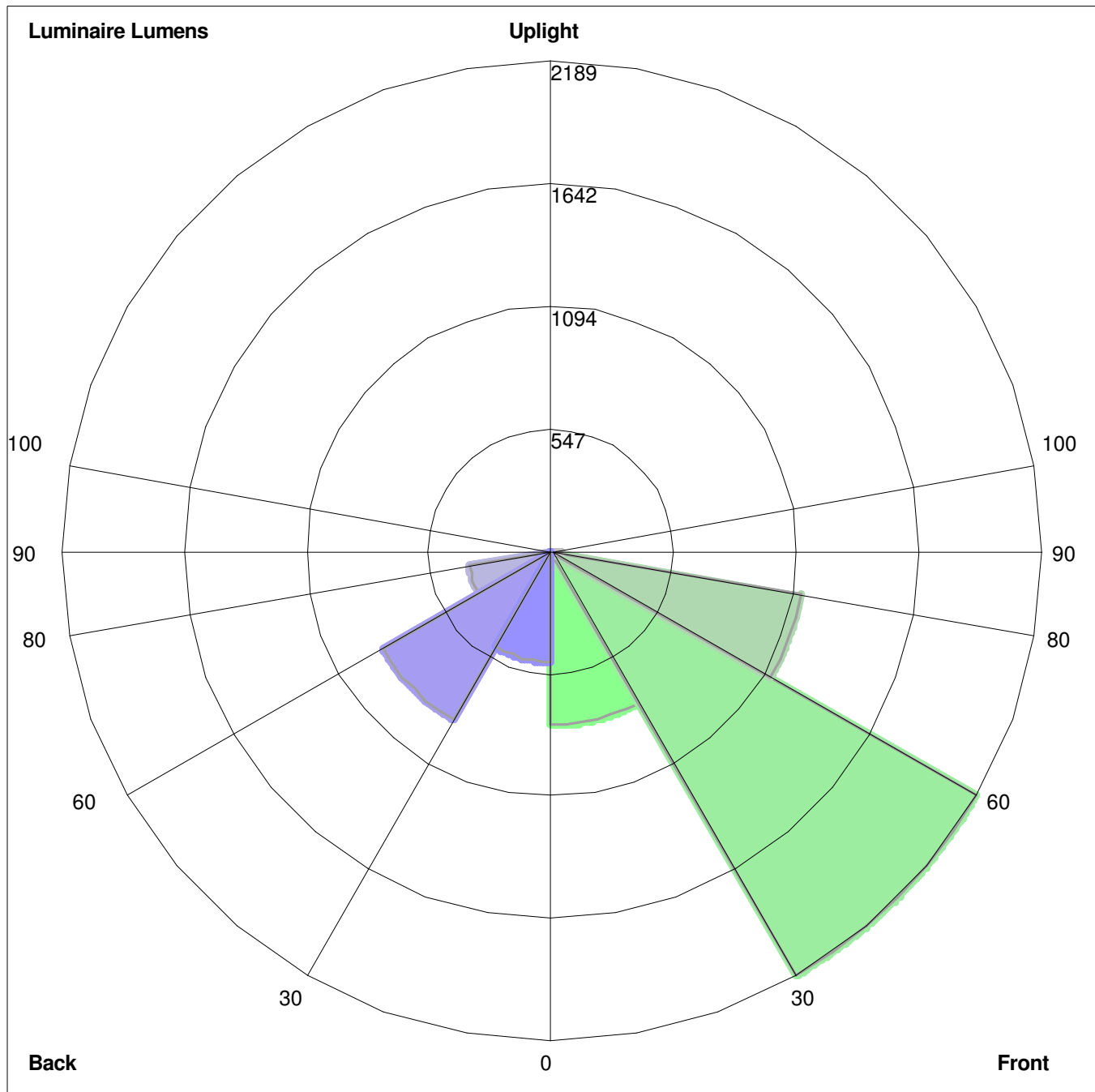


Maximum Candela = 2433.279 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=779.8, Medium=2188.7, High=1128.7, Very High=47.1
Back: Low=494.5, Medium=868.7, High=371.8, Very High=8.4
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1