



## IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-730-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-L60-730-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	6147
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2540.235
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2540.235
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	790.457 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L60-730-T3-XXX-CGL-DIM-UNV\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	814.1	N.A.	13.2
FM - Front-Medium (30-60)	2284.9	N.A.	37.2
FH - Front-High (60-80)	1178.3	N.A.	19.2
FVH - Front-Very High (80-90)	49.1	N.A.	0.8
BL - Back-Low (0-30)	516.3	N.A.	8.4
BM - Back-Medium (30-60)	906.9	N.A.	14.8
BH - Back-High (60-80)	388.2	N.A.	6.3
BVH - Back-Very High (80-90)	8.8	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	6146.6	N.A.	100.0
BUG Rating	B2-U0-G1		

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**CANDELA TABULATION**

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805
2.5	1628.568	1633.748	1642.036	1635.820	1634.784	1626.496	1618.209	1606.813	1604.741	1591.273
5.0	1674.152	1680.368	1687.620	1683.476	1682.440	1676.224	1667.936	1658.612	1655.504	1632.712
7.5	1710.411	1716.627	1720.771	1717.663	1715.591	1717.663	1713.519	1709.375	1709.375	1683.476
10.0	1773.606	1778.786	1780.858	1775.678	1769.462	1768.426	1761.174	1757.031	1763.246	1736.311
12.5	1840.945	1844.053	1844.053	1844.053	1843.017	1843.017	1826.442	1809.866	1814.010	1785.002
15.0	1854.413	1857.521	1858.557	1868.917	1886.529	1907.248	1898.960	1873.061	1861.665	1824.370
17.5	1861.665	1860.629	1861.665	1865.809	1886.529	1927.968	1947.652	1935.220	1904.140	1856.485
20.0	1953.868	1953.868	1953.868	1929.004	1911.392	1923.824	1960.084	1979.767	1944.544	1884.457
22.5	2140.345	2129.985	2120.661	2058.502	1992.199	1945.580	1947.652	1997.379	1976.659	1914.500
25.0	2313.354	2302.995	2287.455	2193.180	2090.618	2000.487	1945.580	1988.055	2001.523	1934.184
27.5	2425.241	2420.061	2406.593	2293.671	2169.353	2066.790	1973.551	1973.551	2016.027	1949.724
30.0	2505.012	2496.724	2478.076	2358.938	2227.368	2124.805	2019.135	1977.695	2025.351	1961.120
32.5	2538.163	2527.803	2501.904	2398.305	2282.275	2178.676	2068.862	2000.487	2027.423	1970.443
35.0	2540.235	2530.911	2507.084	2417.989	2327.858	2235.656	2118.589	2028.459	2033.639	1989.091
37.5	2503.976	2501.904	2479.112	2417.989	2376.550	2294.707	2166.245	2038.818	2041.926	2006.703
40.0	2358.938	2344.434	2328.894	2349.614	2394.161	2361.010	2214.936	2043.998	2051.250	2038.818
42.5	2014.991	1996.343	1987.019	2105.122	2349.614	2432.493	2272.951	2053.322	2052.286	2085.438
45.0	1626.496	1606.813	1603.705	1721.807	2153.813	2470.824	2326.822	2068.862	2056.430	2129.985
47.5	1362.320	1349.888	1349.888	1443.127	1766.354	2445.961	2382.765	2086.474	2059.538	2175.568
50.0	1213.138	1202.779	1202.779	1288.765	1548.798	2323.714	2445.961	2103.050	2069.898	2212.864
52.5	1088.820	1079.496	1081.568	1165.483	1464.883	2005.667	2456.320	2147.597	2110.301	2250.159
55.0	983.150	976.934	984.186	1063.957	1405.832	1855.449	2354.794	2240.836	2148.633	2295.743
57.5	913.739	911.667	914.775	990.402	1350.924	1766.354	2105.122	2341.326	2195.252	2302.995
60.0	820.500	816.356	812.212	882.659	1262.866	1643.072	1876.169	2382.765	2200.432	2283.311
62.5	660.958	655.779	651.635	722.082	1100.216	1472.135	1652.396	2317.498	2153.813	2259.483
65.0	449.617	446.510	442.366	529.388	886.803	1252.506	1403.760	2152.777	2125.841	2291.599
67.5	243.456	244.492	253.816	325.299	656.814	1028.733	1183.095	1857.521	2151.741	2326.822
70.0	176.117	177.153	181.297	244.492	486.913	801.852	970.718	1575.733	2222.188	2344.434
72.5	134.678	134.678	139.858	186.477	375.027	602.943	754.197	1303.269	2177.640	2215.972
75.0	103.598	102.563	105.670	138.822	282.824	417.502	541.820	969.682	1940.400	1877.205
77.5	72.519	71.483	74.591	94.275	200.981	275.572	363.631	627.807	1545.690	1341.601
80.0	43.511	42.475	44.547	55.943	126.390	175.081	211.341	417.502	790.457	627.807
82.5	22.792	21.756	22.792	26.936	64.231	96.347	100.491	273.500	284.896	229.989
85.0	10.360	9.324	10.360	12.432	25.900	43.511	42.475	121.210	89.095	89.095
87.5	3.108	3.108	3.108	4.144	7.252	10.360	13.468	26.936	23.828	26.936
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<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	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805	1577.805
2.5	1580.913	1574.697	1570.553	1562.265	1558.121	1544.654	1537.402	1533.258	1530.150	1523.934
5.0	1614.065	1601.633	1591.273	1568.481	1548.798	1513.574	1489.746	1469.027	1453.487	1440.019
7.5	1659.648	1642.036	1624.424	1585.057	1548.798	1496.998	1456.595	1423.443	1396.508	1378.896
10.0	1705.231	1683.476	1659.648	1603.705	1552.942	1490.782	1440.019	1400.652	1367.500	1345.745
12.5	1743.563	1715.591	1687.620	1617.173	1557.085	1487.674	1437.947	1389.256	1340.565	1297.053
15.0	1774.642	1741.491	1703.159	1621.317	1550.870	1485.602	1432.767	1357.140	1277.369	1205.887
17.5	1798.470	1758.067	1710.411	1614.065	1537.402	1475.243	1401.688	1287.729	1167.555	1043.237
20.0	1815.046	1767.390	1710.411	1598.525	1519.790	1451.415	1340.565	1170.663	960.358	741.765
22.5	1829.549	1774.642	1712.483	1586.093	1506.322	1407.904	1246.290	971.754	661.994	528.352
25.0	1847.161	1785.002	1714.555	1579.877	1488.710	1346.780	1098.144	688.930	532.496	514.885
27.5	1857.521	1791.218	1715.591	1576.769	1469.027	1265.974	891.983	560.468	538.712	564.612

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## CANDELA TABULATION - (Cont.)

30.0	1863.737	1793.290	1708.339	1568.481	1440.019	1159.267	675.462	551.144	586.368	622.627
32.5	1866.845	1788.110	1694.871	1553.977	1399.616	1021.481	594.655	580.152	632.987	664.066
35.0	1862.701	1775.678	1675.188	1538.438	1348.852	878.515	593.619	603.979	644.383	644.383
37.5	1864.773	1765.318	1655.504	1515.646	1282.549	734.513	587.403	601.907	608.123	612.267
40.0	1875.133	1764.282	1643.072	1486.638	1193.455	617.447	562.540	564.612	571.864	619.519
42.5	1892.745	1767.390	1633.748	1449.343	1092.964	528.352	503.489	532.496	599.835	745.909
45.0	1919.680	1776.714	1630.640	1415.156	971.754	449.617	441.330	503.489	708.614	819.464
47.5	1955.940	1800.542	1643.072	1389.256	862.975	370.883	380.206	588.439	753.161	845.364
50.0	2001.523	1827.478	1657.576	1369.572	780.097	308.724	344.983	630.915	671.318	624.699
52.5	2034.675	1850.269	1673.116	1364.392	742.801	271.428	356.379	470.337	354.307	323.227
55.0	2095.798	1895.853	1709.375	1374.752	725.189	244.492	276.608	270.392	238.277	228.953
57.5	2174.533	1949.724	1734.239	1363.356	682.714	226.881	209.269	211.341	206.161	194.765
60.0	2189.036	1979.767	1764.282	1337.457	627.807	209.269	183.369	182.333	184.405	179.225
62.5	2218.044	1979.767	1752.887	1264.938	578.080	190.621	166.794	157.470	164.722	158.506
65.0	2286.419	2014.991	1749.779	1203.815	520.064	170.938	146.074	134.678	125.354	132.606
67.5	2388.981	2080.258	1802.614	1223.498	469.301	153.326	114.994	92.203	77.699	70.447
70.0	2433.529	2097.870	1815.046	1259.758	421.646	130.534	77.699	43.511	19.684	4.144
72.5	2284.347	1949.724	1678.296	1189.311	365.703	97.383	39.367	8.288	3.108	3.108
75.0	1817.118	1543.618	1320.881	1004.905	262.104	56.979	7.252	3.108	2.072	2.072
77.5	1040.129	878.515	738.657	704.470	127.426	16.576	2.072	2.072	1.036	1.036
80.0	383.314	321.155	244.492	290.076	41.439	3.108	1.036	1.036	1.036	1.036
82.5	138.822	112.922	90.131	77.699	11.396	1.036	1.036	1.036	1.036	0.000
85.0	52.835	45.583	37.295	21.756	2.072	1.036	1.036	1.036	1.036	1.036
87.5	15.540	14.504	12.432	3.108	1.036	1.036	1.036	1.036	1.036	1.036
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

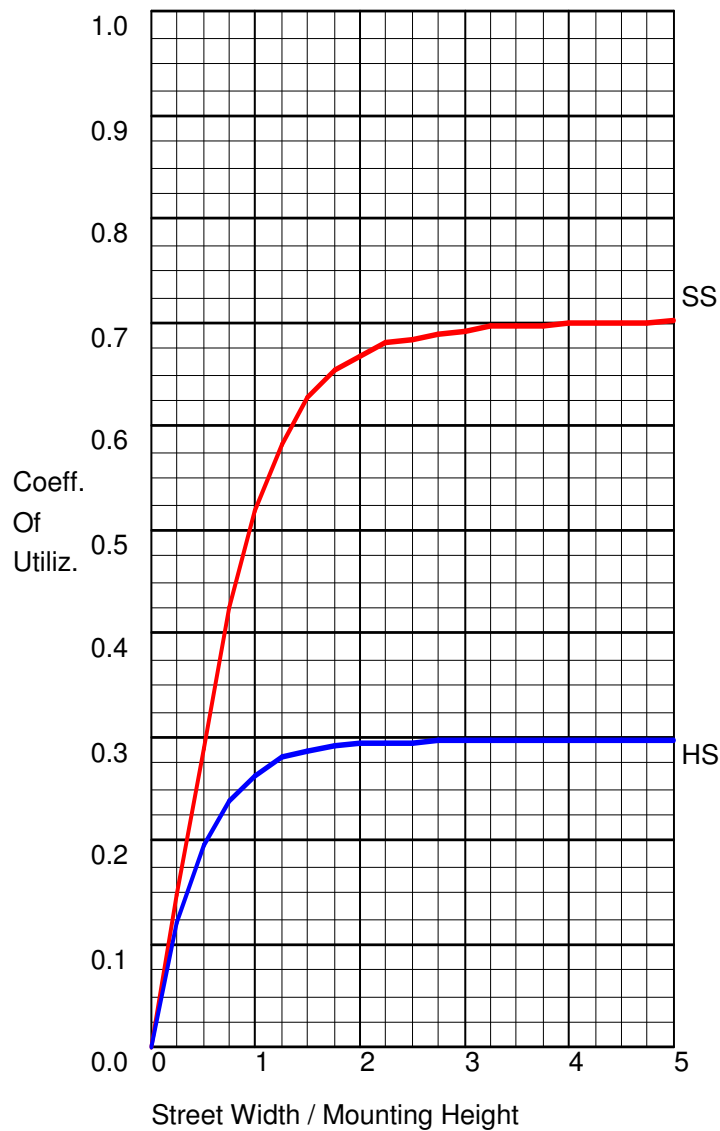
## Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1577.805	1577.805
2.5	1531.186	1529.114
5.0	1444.163	1444.163
7.5	1377.860	1387.184
10.0	1340.565	1351.960
12.5	1280.477	1293.945
15.0	1174.807	1174.807
17.5	983.150	967.610
20.0	654.743	632.987
22.5	503.489	504.525
25.0	517.992	517.992
27.5	574.972	574.972
30.0	634.023	634.023
32.5	670.282	670.282
35.0	642.311	640.239
37.5	615.375	614.339
40.0	687.894	685.822
42.5	799.780	798.744
45.0	862.975	861.940
47.5	870.227	877.479
50.0	571.864	590.511
52.5	319.083	328.407
55.0	224.809	227.917
57.5	189.585	189.585
60.0	176.117	175.081
62.5	166.794	167.830
65.0	156.434	160.578

**IES ROAD REPORT****PHOTOMETRIC FILENAME : VWPX-L60-730-T3-XXX-CGL-DIM-UNV\_.IES****CANDELA TABULATION - (Cont.)**

67.5	45.583	31.080
70.0	3.108	3.108
72.5	3.108	3.108
75.0	2.072	2.072
77.5	1.036	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.036
87.5	1.036	0.000
90.0	0.000	0.000

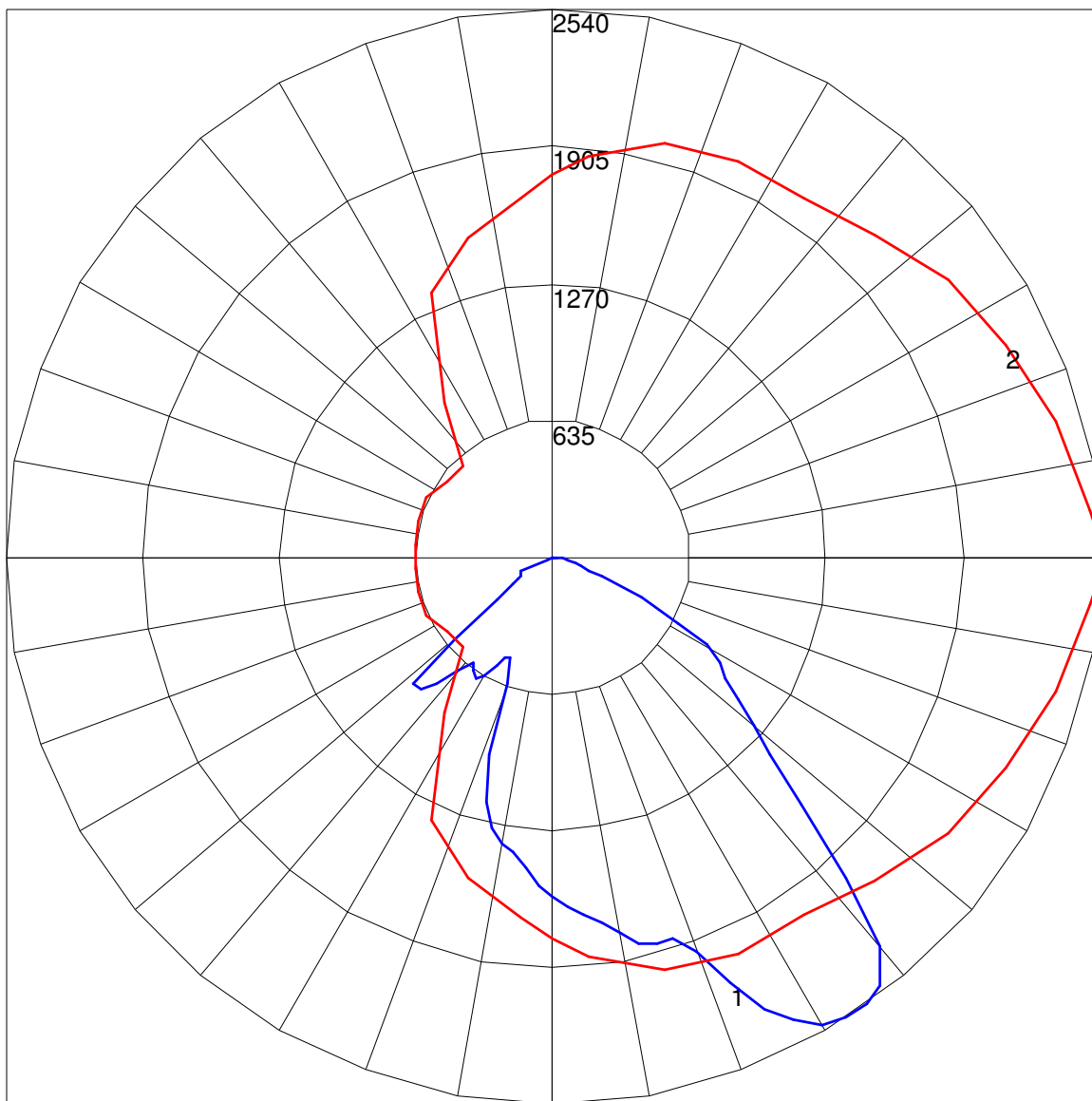
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

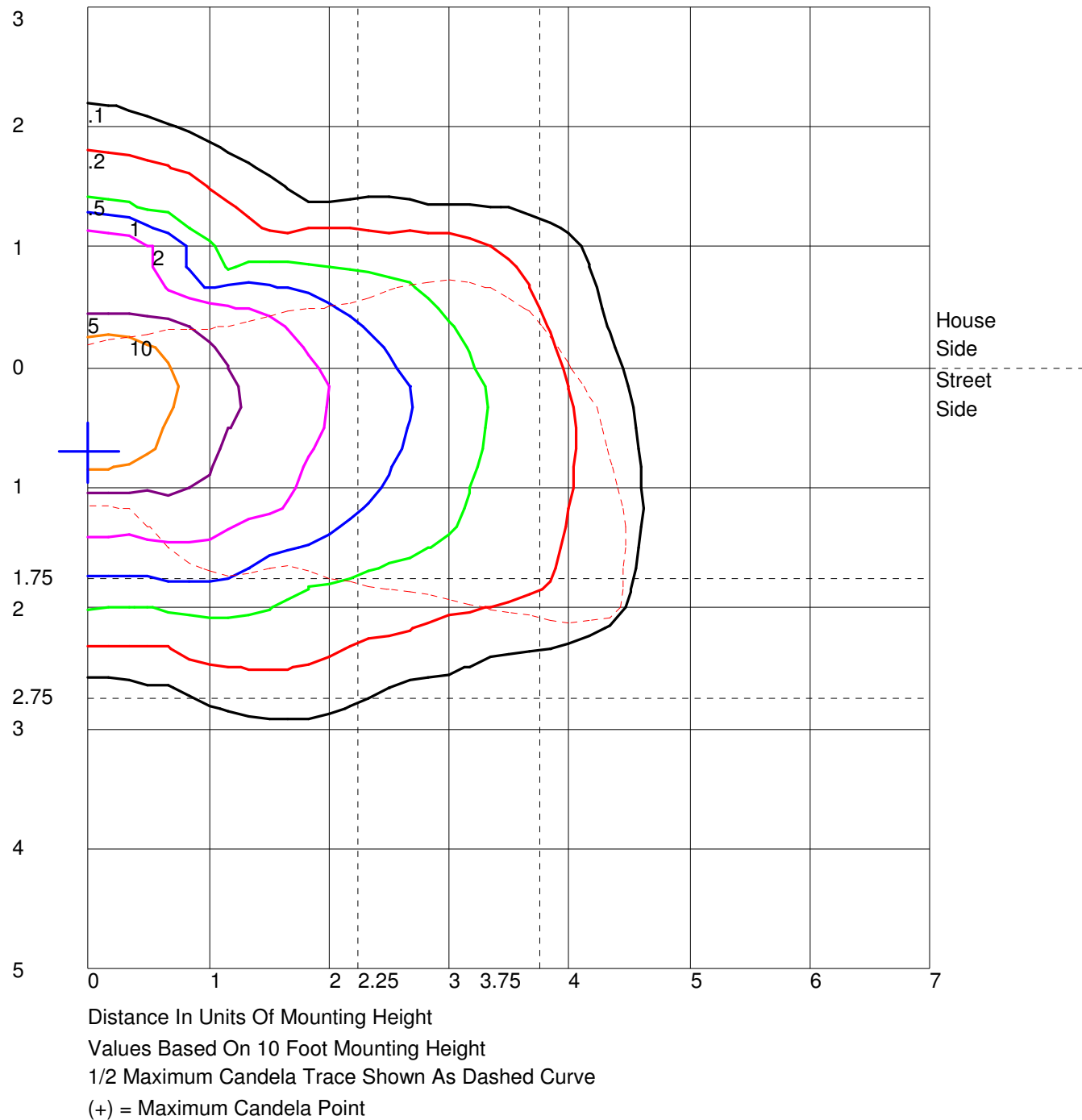
	Lumens	Percent Of Luminaire
Downward Street Side	4326.4	70.4
Downward House Side	1820.1	29.6
Downward Total	6146.5	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6146.5	100.0

POLAR GRAPH



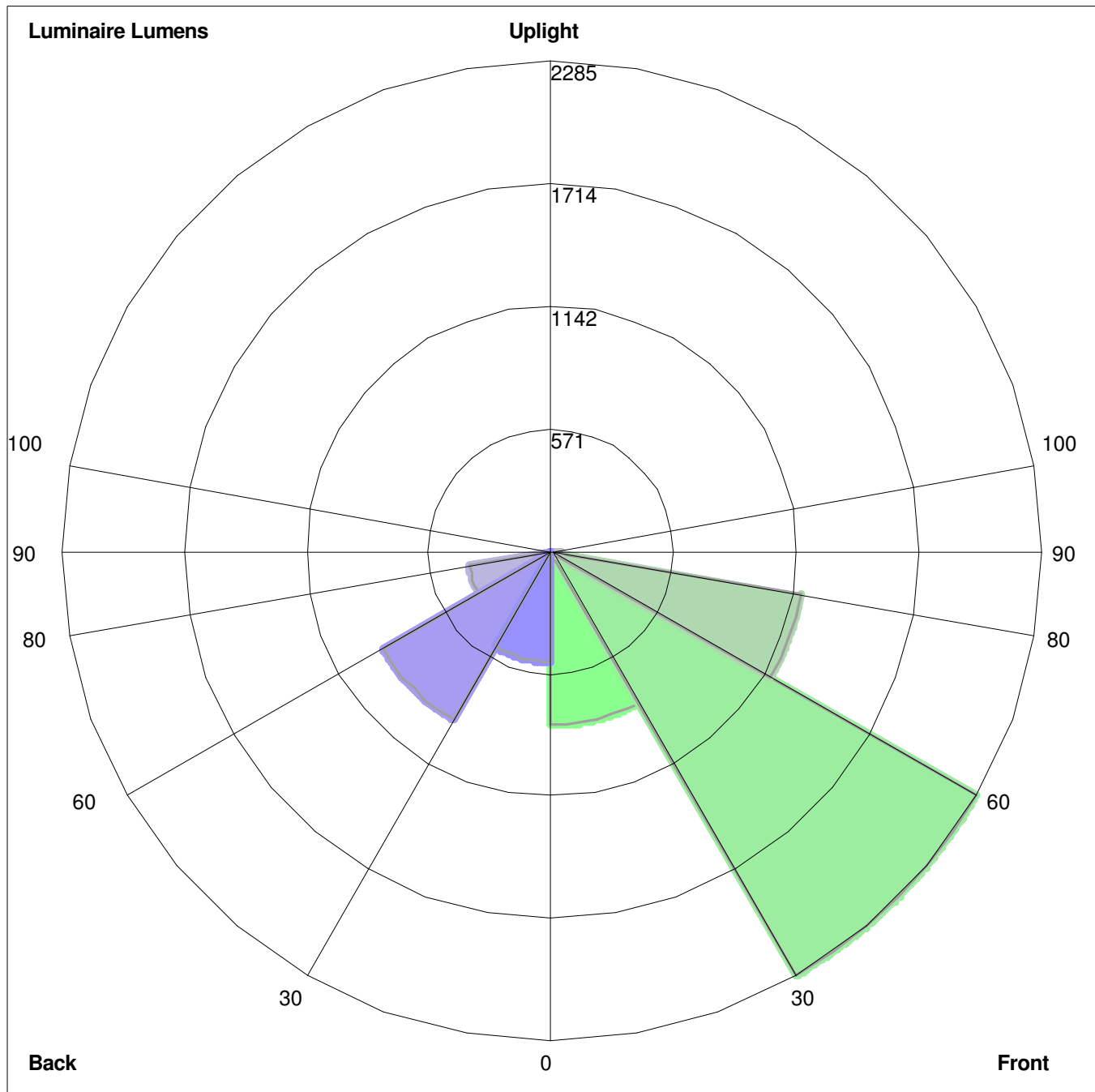
Maximum Candela = 2540.235 Located At Horizontal Angle = 0, Vertical Angle = 35  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE





LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=814.1, Medium=2284.9, High=1178.3, Very High=49.1  
Back: Low=516.3, Medium=906.9, High=388.2, Very High=8.8  
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1