



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-740-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-L60-740-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	6470
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2673.933
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2673.933
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	832.06 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	856.9	N.A.	13.2
FM - Front-Medium (30-60)	2405.2	N.A.	37.2
FH - Front-High (60-80)	1240.3	N.A.	19.2
FVH - Front-Very High (80-90)	51.7	N.A.	0.8
BL - Back-Low (0-30)	543.4	N.A.	8.4
BM - Back-Medium (30-60)	954.6	N.A.	14.8
BH - Back-High (60-80)	408.6	N.A.	6.3
BVH - Back-Very High (80-90)	9.2	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	6469.9	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	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848
2.5	1714.283	1719.736	1728.460	1721.917	1720.826	1712.102	1703.378	1691.383	1689.201	1675.025
5.0	1762.266	1768.809	1776.442	1772.080	1770.990	1764.447	1755.723	1745.908	1742.637	1718.645
7.5	1800.434	1806.977	1811.339	1808.067	1805.886	1808.067	1803.705	1799.343	1799.343	1772.080
10.0	1866.955	1872.407	1874.588	1869.136	1862.593	1861.502	1853.869	1849.507	1856.050	1827.696
12.5	1937.838	1941.110	1941.110	1941.110	1940.019	1940.019	1922.571	1905.123	1909.485	1878.950
15.0	1952.015	1955.286	1956.377	1967.282	1985.820	2007.631	1998.907	1971.644	1959.648	1920.390
17.5	1959.648	1958.558	1959.648	1964.010	1985.820	2029.441	2050.161	2037.074	2004.359	1954.196
20.0	2056.704	2056.704	2056.704	2030.531	2011.993	2025.079	2063.247	2083.966	2046.889	1983.639
22.5	2252.996	2242.091	2232.276	2166.845	2097.053	2047.980	2050.161	2102.505	2080.695	2015.264
25.0	2435.111	2424.206	2407.848	2308.612	2200.651	2105.777	2047.980	2092.691	2106.867	2035.984
27.5	2552.886	2547.434	2533.257	2414.391	2283.530	2175.569	2077.423	2077.423	2122.134	2052.342
30.0	2636.856	2628.131	2608.502	2483.093	2344.599	2236.638	2125.406	2081.785	2131.949	2064.337
32.5	2671.752	2660.847	2633.584	2524.533	2402.396	2293.345	2177.750	2105.777	2134.130	2074.152
35.0	2673.933	2664.118	2639.037	2545.253	2450.378	2353.323	2230.095	2135.220	2140.673	2093.781
37.5	2635.765	2633.584	2609.593	2545.253	2501.632	2415.482	2280.258	2146.126	2149.397	2112.320
40.0	2483.093	2467.826	2451.469	2473.279	2520.171	2485.274	2331.512	2151.578	2159.212	2146.126
42.5	2121.044	2101.415	2091.600	2215.918	2473.279	2560.520	2392.581	2161.393	2160.302	2195.199
45.0	1712.102	1691.383	1688.111	1812.429	2267.172	2600.869	2449.288	2177.750	2164.664	2242.091
47.5	1434.022	1420.936	1420.936	1519.082	1859.321	2574.696	2508.175	2196.289	2167.936	2290.073
50.0	1276.988	1266.083	1266.083	1356.596	1630.314	2446.016	2574.696	2213.737	2178.841	2329.331
52.5	1146.127	1136.312	1138.493	1226.825	1541.983	2111.229	2585.601	2260.629	2221.371	2368.590
55.0	1034.895	1028.352	1035.985	1119.955	1479.823	1953.105	2478.731	2358.775	2261.720	2416.572
57.5	961.831	959.650	962.921	1042.528	1422.026	1859.321	2215.918	2464.555	2310.793	2424.206
60.0	863.685	859.323	854.961	929.115	1329.333	1729.550	1974.915	2508.175	2316.245	2403.486
62.5	695.746	690.293	685.931	760.086	1158.123	1549.616	1739.365	2439.473	2267.172	2378.404
65.0	473.282	470.010	465.648	557.251	933.477	1318.428	1477.642	2266.082	2237.728	2412.210
67.5	256.270	257.361	267.175	342.420	691.384	1082.877	1245.364	1955.286	2264.991	2449.288
70.0	185.387	186.477	190.839	257.361	512.540	844.055	1021.809	1658.667	2339.146	2467.826
72.5	141.766	141.766	147.219	196.292	394.765	634.677	793.892	1371.863	2292.254	2332.603
75.0	109.051	107.961	111.232	146.128	297.709	439.476	570.337	1020.718	2042.527	1976.006
77.5	76.336	75.245	78.517	99.236	211.559	290.076	382.769	660.850	1627.042	1412.212
80.0	45.801	44.711	46.892	58.888	133.042	184.296	222.464	439.476	832.060	660.850
82.5	23.991	22.901	23.991	28.353	67.612	101.418	105.780	287.895	299.891	242.093
85.0	10.905	9.815	10.905	13.086	27.263	45.801	44.711	127.590	93.784	93.784
87.5	3.272	3.272	3.272	4.362	7.634	10.905	14.177	28.353	25.082	28.353
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	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848	1660.848
2.5	1664.120	1657.577	1653.215	1644.491	1640.128	1625.952	1618.318	1613.956	1610.685	1604.142
5.0	1699.016	1685.930	1675.025	1651.034	1630.314	1593.237	1568.155	1546.345	1529.987	1515.810
7.5	1746.999	1728.460	1709.921	1668.482	1630.314	1575.788	1533.258	1498.362	1470.009	1451.470
10.0	1794.981	1772.080	1746.999	1688.111	1634.676	1569.245	1515.810	1474.371	1439.474	1416.574
12.5	1835.330	1805.886	1776.442	1702.288	1639.038	1565.974	1513.629	1462.375	1411.121	1365.320
15.0	1868.045	1833.149	1792.800	1706.650	1632.495	1563.793	1508.177	1428.569	1344.600	1269.355
17.5	1893.127	1850.597	1800.434	1699.016	1618.318	1552.888	1475.461	1355.505	1229.006	1098.145
20.0	1910.575	1860.412	1800.434	1682.658	1599.780	1527.806	1411.121	1232.277	1010.904	780.806
22.5	1925.842	1868.045	1802.615	1669.572	1585.603	1482.004	1311.885	1022.899	696.837	556.161
25.0	1944.381	1878.950	1804.796	1663.029	1567.064	1417.664	1155.942	725.190	560.523	541.984
27.5	1955.286	1885.493	1805.886	1659.758	1546.345	1332.604	938.930	589.966	567.066	594.328

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CANDELA TABULATION - (Cont.)

30.0	1961.829	1887.674	1798.253	1651.034	1515.810	1220.282	711.013	580.152	617.229	655.397
32.5	1965.101	1882.222	1784.076	1635.766	1473.280	1075.244	625.953	610.686	666.302	699.018
35.0	1960.739	1869.136	1763.356	1619.409	1419.845	924.753	624.863	635.768	678.298	678.298
37.5	1962.920	1858.231	1742.637	1595.418	1350.053	773.172	618.320	633.587	640.130	644.492
40.0	1973.825	1857.140	1729.550	1564.883	1256.269	649.945	592.147	594.328	601.962	652.126
42.5	1992.364	1860.412	1719.736	1525.625	1150.489	556.161	529.988	560.523	631.406	785.168
45.0	2020.717	1870.226	1716.464	1489.638	1022.899	473.282	464.558	529.988	745.909	862.594
47.5	2058.885	1895.308	1729.550	1462.375	908.396	390.403	400.218	619.410	792.801	889.857
50.0	2106.867	1923.661	1744.818	1441.655	821.155	324.972	363.140	664.121	706.651	657.578
52.5	2141.764	1947.653	1761.175	1436.203	781.896	285.714	375.136	495.092	372.955	340.239
55.0	2206.104	1995.635	1799.343	1447.108	763.358	257.361	291.166	284.623	250.818	241.003
57.5	2288.983	2052.342	1825.515	1435.112	718.647	238.822	220.283	222.464	217.012	205.016
60.0	2304.250	2083.966	1857.140	1407.850	660.850	220.283	193.020	191.930	194.111	188.658
62.5	2334.784	2083.966	1845.145	1331.514	608.505	200.654	175.572	165.758	173.391	166.848
65.0	2406.758	2121.044	1841.873	1267.174	547.437	179.934	153.762	141.766	131.952	139.585
67.5	2514.718	2189.746	1897.489	1287.893	494.001	161.396	121.047	97.055	81.788	74.155
70.0	2561.610	2208.285	1910.575	1326.061	443.838	137.404	81.788	45.801	20.720	4.362
72.5	2404.577	2052.342	1766.628	1251.907	384.950	102.508	41.439	8.724	3.272	3.272
75.0	1912.756	1624.861	1390.401	1057.796	275.899	59.978	7.634	3.272	2.181	2.181
77.5	1094.873	924.753	777.534	741.547	134.133	17.448	2.181	2.181	1.091	1.091
80.0	403.489	338.058	257.361	305.343	43.620	3.272	1.091	1.091	1.091	1.091
82.5	146.128	118.866	94.874	81.788	11.996	1.091	1.091	1.091	1.091	0.000
85.0	55.616	47.982	39.258	22.901	2.181	1.091	1.091	1.091	1.091	1.091
87.5	16.358	15.267	13.086	3.272	1.091	1.091	1.091	1.091	1.091	1.091
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

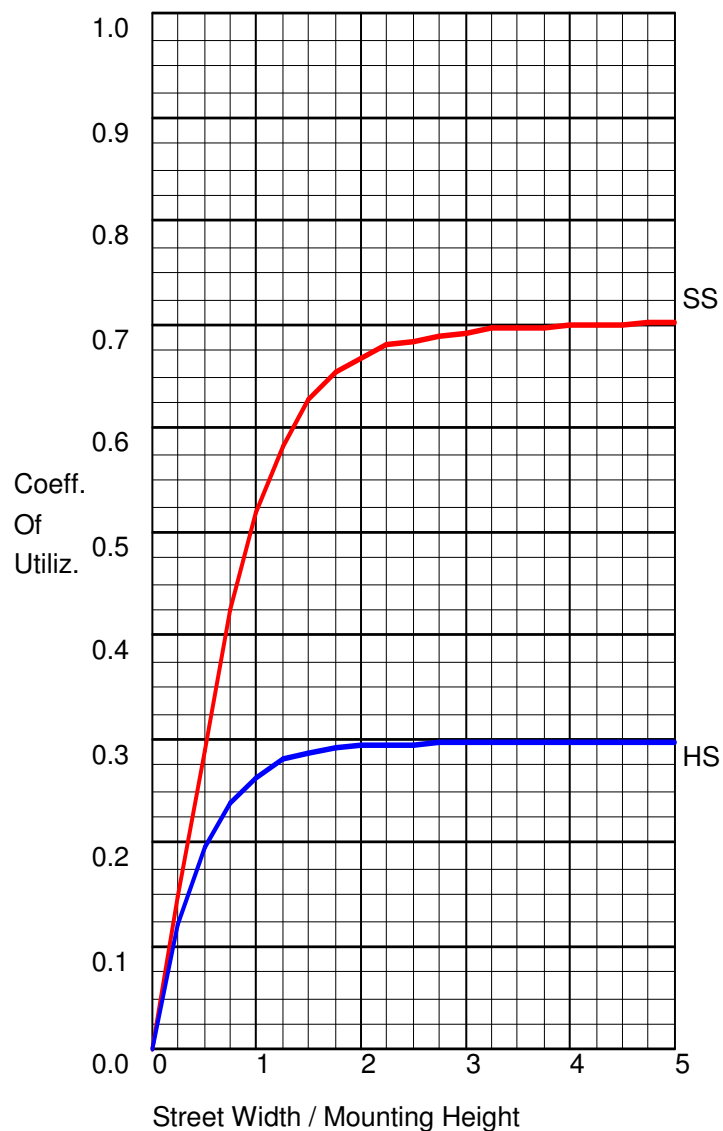
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1660.848	1660.848
2.5	1611.775	1609.594
5.0	1520.172	1520.172
7.5	1450.380	1460.194
10.0	1411.121	1423.117
12.5	1347.872	1362.048
15.0	1236.639	1236.639
17.5	1034.895	1018.537
20.0	689.203	666.302
22.5	529.988	531.079
25.0	545.255	545.255
27.5	605.234	605.234
30.0	667.393	667.393
32.5	705.561	705.561
35.0	676.117	673.936
37.5	647.764	646.673
40.0	724.099	721.918
42.5	841.874	840.784
45.0	908.396	907.305
47.5	916.029	923.663
50.0	601.962	621.591
52.5	335.877	345.692
55.0	236.641	239.912
57.5	199.564	199.564
60.0	185.387	184.296
62.5	175.572	176.663
65.0	164.667	169.029

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-740-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	47.982	32.715
70.0	3.272	3.272
72.5	3.272	3.272
75.0	2.181	2.181
77.5	1.091	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.091
87.5	1.091	0.000
90.0	0.000	0.000

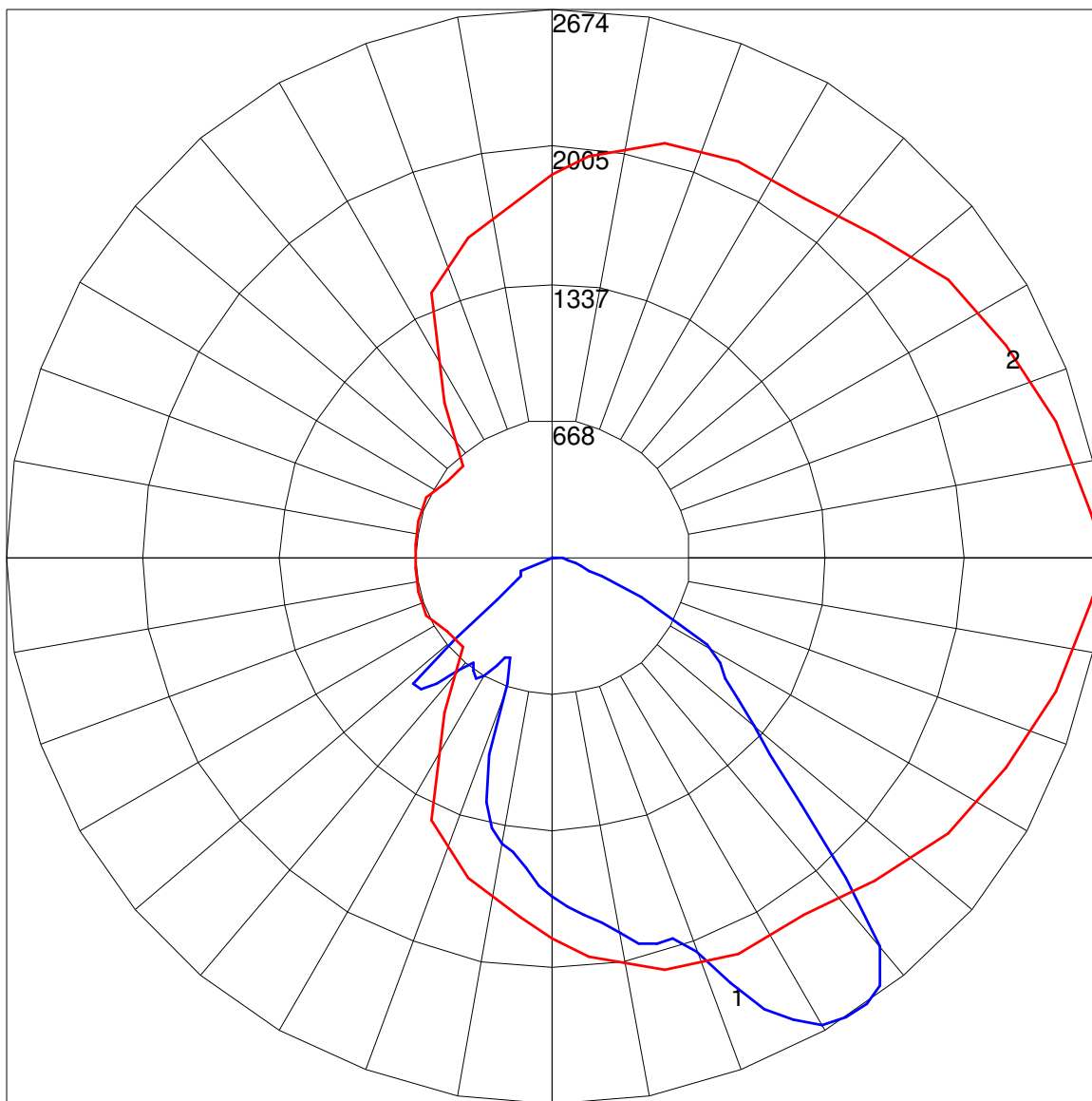
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

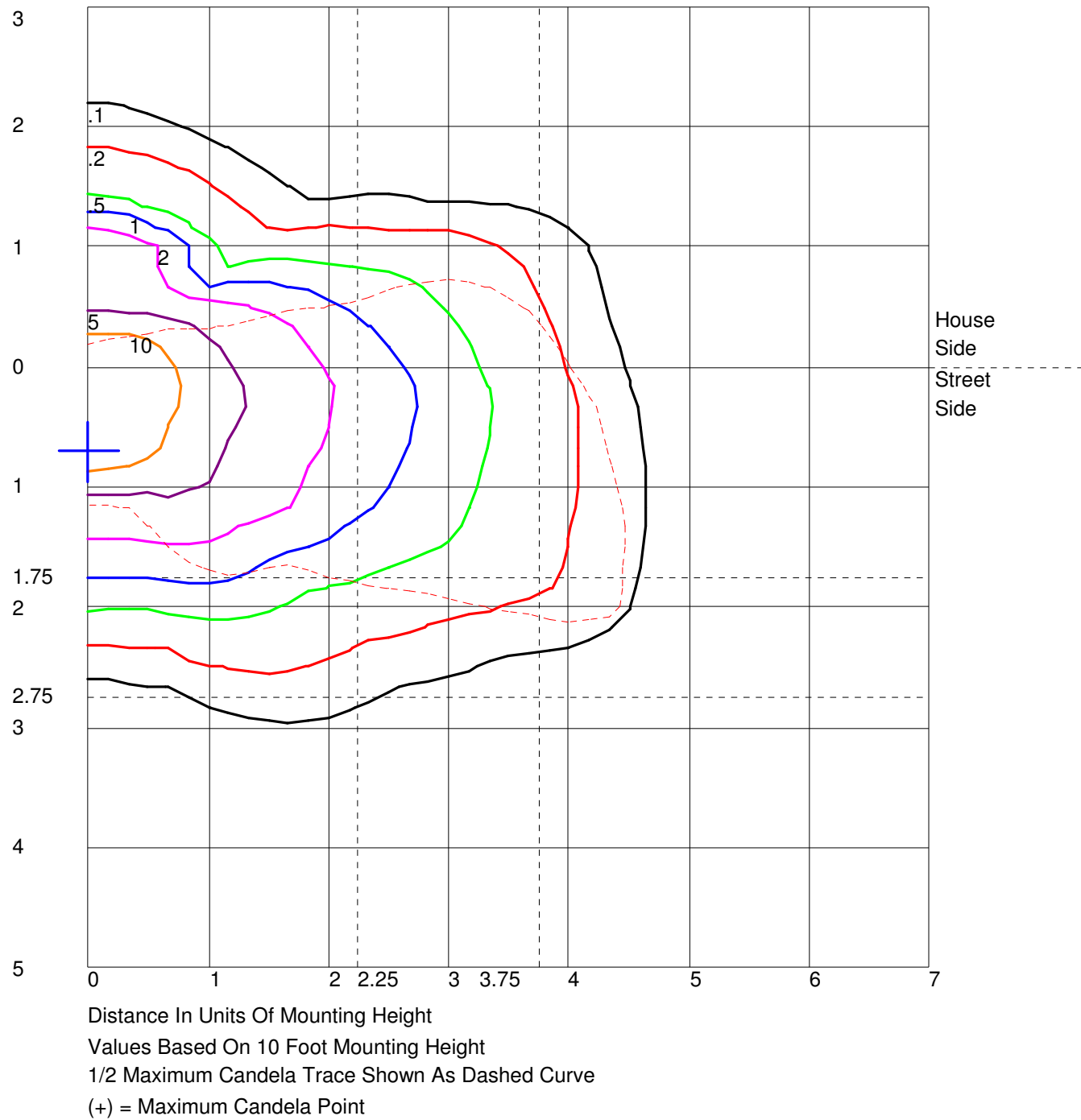
	Lumens	Percent Of Luminaire
Downward Street Side	4554.1	70.4
Downward House Side	1915.9	29.6
Downward Total	6470.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6470.0	100.0

POLAR GRAPH

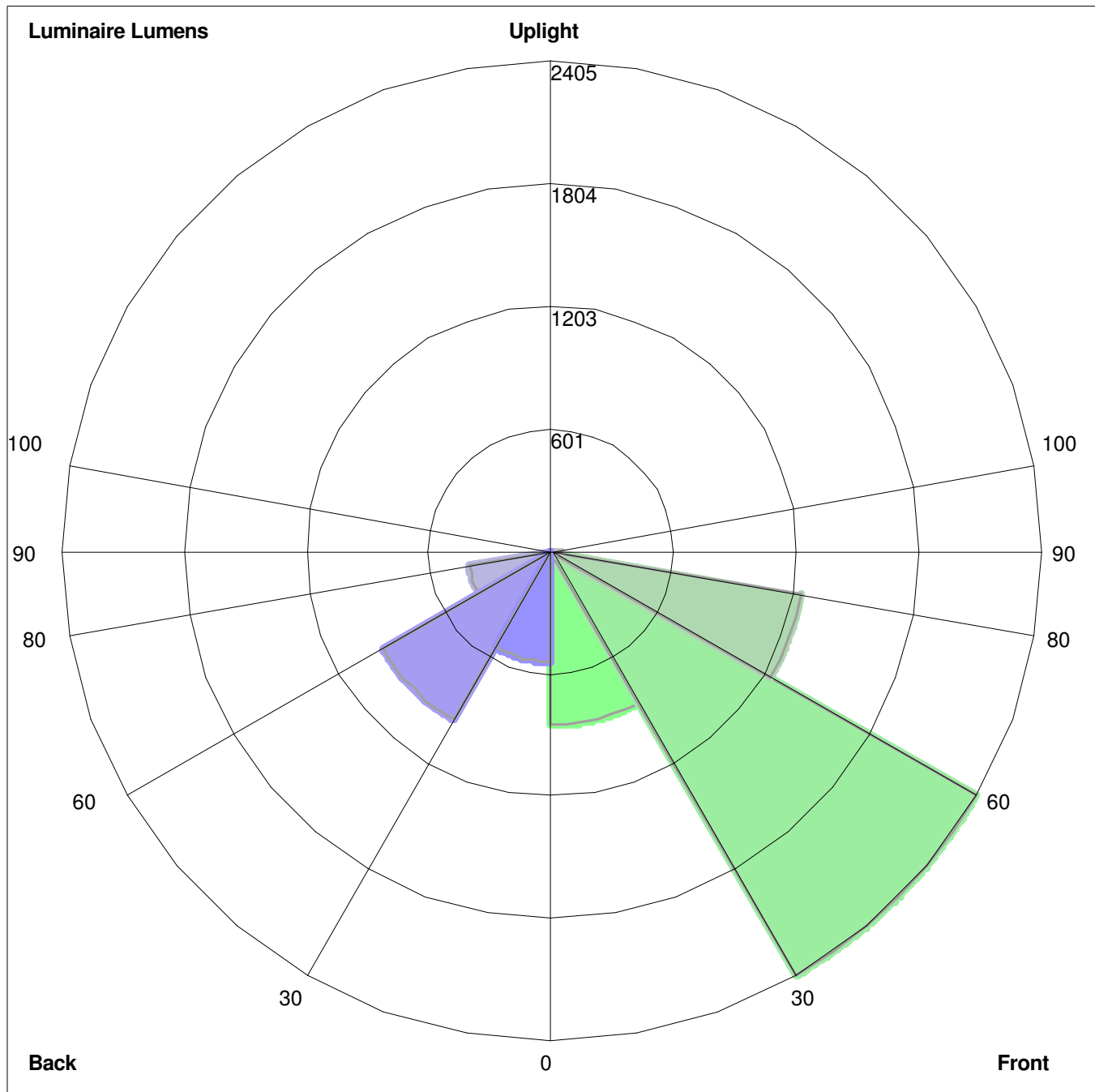


Maximum Candela = 2673.933 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=856.9, Medium=2405.2, High=1240.3, Very High=51.7
Back: Low=543.4, Medium=954.6, High=408.6, Very High=9.2
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1