



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-850-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-L60-850-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	6082
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2513.496
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2513.496
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	782.136 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-850-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	805.5	N.A.	13.2
FM - Front-Medium (30-60)	2260.8	N.A.	37.2
FH - Front-High (60-80)	1165.9	N.A.	19.2
FVH - Front-Very High (80-90)	48.6	N.A.	0.8
BL - Back-Low (0-30)	510.8	N.A.	8.4
BM - Back-Medium (30-60)	897.4	N.A.	14.8
BH - Back-High (60-80)	384.1	N.A.	6.3
BVH - Back-Very High (80-90)	8.7	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	6081.8	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	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197
2.5	1611.426	1616.551	1624.752	1618.601	1617.576	1609.376	1601.175	1589.899	1587.849	1574.523
5.0	1656.529	1662.680	1669.855	1665.755	1664.730	1658.579	1650.379	1641.153	1638.078	1615.526
7.5	1692.407	1698.558	1702.658	1699.583	1697.532	1699.583	1695.482	1691.382	1691.382	1665.755
10.0	1754.937	1760.062	1762.112	1756.987	1750.837	1749.812	1742.636	1738.536	1744.686	1718.034
12.5	1821.567	1824.642	1824.642	1824.642	1823.617	1823.617	1807.216	1790.815	1794.915	1766.213
15.0	1834.893	1837.968	1838.993	1849.244	1866.671	1887.172	1878.972	1853.345	1842.069	1805.166
17.5	1842.069	1841.044	1842.069	1846.169	1866.671	1907.674	1927.150	1914.849	1884.097	1836.943
20.0	1933.301	1933.301	1933.301	1908.699	1891.273	1903.573	1939.451	1958.928	1924.075	1864.620
22.5	2117.815	2107.564	2098.339	2036.834	1971.229	1925.100	1927.150	1976.354	1955.853	1894.348
25.0	2289.004	2278.753	2263.377	2170.094	2068.611	1979.429	1925.100	1967.128	1980.454	1913.824
27.5	2399.712	2394.587	2381.261	2269.527	2146.517	2045.035	1952.777	1952.777	1994.806	1929.200
30.0	2478.643	2470.443	2451.991	2334.107	2203.922	2102.439	1997.881	1956.878	2004.031	1940.476
32.5	2511.446	2501.195	2475.568	2373.060	2258.251	2155.743	2047.085	1979.429	2006.081	1949.702
35.0	2513.496	2504.270	2480.694	2392.537	2303.355	2212.123	2096.289	2007.107	2012.232	1968.154
37.5	2477.618	2475.568	2453.016	2392.537	2351.533	2270.552	2143.442	2017.357	2020.433	1985.580
40.0	2334.107	2319.756	2304.380	2324.881	2368.960	2336.157	2191.621	2022.483	2029.658	2017.357
42.5	1993.781	1975.329	1966.103	2082.962	2324.881	2406.888	2249.025	2031.708	2030.683	2063.486
45.0	1609.376	1589.899	1586.824	1703.683	2131.141	2444.816	2302.330	2047.085	2034.784	2107.564
47.5	1347.980	1335.679	1335.679	1427.936	1747.761	2420.214	2357.684	2064.511	2037.859	2152.668
50.0	1200.369	1190.118	1190.118	1275.199	1532.495	2299.254	2420.214	2080.912	2048.110	2189.571
52.5	1077.359	1068.133	1070.183	1153.215	1449.463	1984.555	2430.465	2124.991	2088.088	2226.474
55.0	972.801	966.650	973.826	1052.757	1391.034	1835.918	2330.007	2217.248	2126.016	2271.577
57.5	904.121	902.070	905.146	979.976	1336.704	1747.761	2082.962	2316.681	2172.144	2278.753
60.0	811.863	807.763	803.663	873.368	1249.572	1625.777	1856.420	2357.684	2177.270	2259.276
62.5	654.001	648.876	644.775	714.481	1088.635	1456.639	1635.003	2293.104	2131.141	2235.699
65.0	444.885	441.809	437.709	523.816	877.468	1239.322	1388.983	2130.116	2103.464	2267.477
67.5	240.894	241.919	251.145	321.875	649.901	1017.904	1170.641	1837.968	2129.091	2302.330
70.0	174.264	175.289	179.389	241.919	481.788	793.412	960.500	1559.147	2198.797	2319.756
72.5	133.260	133.260	138.386	184.514	371.079	596.597	746.258	1289.551	2154.718	2192.646
75.0	102.508	101.483	104.558	137.361	279.847	413.107	536.117	959.475	1919.975	1857.445
77.5	71.756	70.731	73.806	93.282	198.866	272.671	359.803	621.198	1529.419	1327.479
80.0	43.053	42.028	44.078	55.354	125.060	173.239	209.116	413.107	782.136	621.198
82.5	22.552	21.527	22.552	26.652	63.555	95.332	99.433	270.621	281.897	227.568
85.0	10.251	9.226	10.251	12.301	25.627	43.053	42.028	119.934	88.157	88.157
87.5	3.075	3.075	3.075	4.100	7.176	10.251	13.326	26.652	23.577	26.652
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	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197	1561.197
2.5	1564.272	1558.122	1554.021	1545.821	1541.720	1528.394	1521.219	1517.118	1514.043	1507.893
5.0	1597.075	1584.774	1574.523	1551.971	1532.495	1497.642	1474.065	1453.563	1438.187	1424.861
7.5	1642.178	1624.752	1607.325	1568.372	1532.495	1481.241	1441.262	1408.460	1381.808	1364.381
10.0	1687.282	1665.755	1642.178	1586.824	1536.595	1475.090	1424.861	1385.908	1353.106	1331.579
12.5	1725.210	1697.532	1669.855	1600.150	1540.695	1472.015	1422.811	1374.632	1326.453	1283.400
15.0	1755.962	1723.159	1685.231	1604.250	1534.545	1469.965	1417.686	1342.855	1263.924	1193.193
17.5	1779.539	1739.561	1692.407	1597.075	1521.219	1459.714	1386.933	1274.174	1155.265	1032.256
20.0	1795.940	1748.786	1692.407	1581.698	1503.792	1436.137	1326.453	1158.340	950.249	733.957
22.5	1810.291	1755.962	1694.457	1569.397	1490.466	1393.084	1233.171	961.525	655.026	522.791
25.0	1827.718	1766.213	1696.507	1563.247	1473.040	1332.604	1086.585	681.678	526.891	509.465
27.5	1837.968	1772.363	1697.532	1560.172	1453.563	1252.648	882.594	554.568	533.042	558.669

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CANDELA TABULATION - (Cont.)

30.0	1844.119	1774.413	1690.357	1551.971	1424.861	1147.064	668.352	545.343	580.195	616.073
32.5	1847.194	1769.288	1677.031	1537.620	1384.883	1010.729	588.396	574.045	626.324	657.076
35.0	1843.094	1756.987	1657.554	1522.244	1334.654	869.268	587.371	597.622	637.600	637.600
37.5	1845.144	1746.736	1638.078	1499.692	1269.049	726.782	581.220	595.571	601.722	605.822
40.0	1855.395	1745.711	1625.777	1470.990	1180.892	610.948	556.618	558.669	565.844	612.998
42.5	1872.821	1748.786	1616.551	1434.087	1081.459	522.791	498.189	526.891	593.521	738.058
45.0	1899.473	1758.012	1613.476	1400.259	961.525	444.885	436.684	498.189	701.155	810.838
47.5	1935.351	1781.589	1625.777	1374.632	853.892	366.979	376.204	582.245	745.233	836.465
50.0	1980.454	1808.241	1640.128	1355.156	771.885	305.474	341.352	624.274	664.252	618.123
52.5	2013.257	1830.793	1655.504	1350.030	734.982	268.571	352.628	465.386	350.577	319.825
55.0	2073.737	1875.896	1691.382	1360.281	717.556	241.919	273.696	267.546	235.768	226.543
57.5	2151.643	1929.200	1715.984	1349.005	675.528	224.493	207.066	209.116	203.991	192.715
60.0	2165.994	1958.928	1745.711	1323.378	621.198	207.066	181.439	180.414	182.464	177.339
62.5	2194.696	1958.928	1734.435	1251.623	571.995	188.615	165.038	155.812	162.988	156.837
65.0	2262.351	1993.781	1731.360	1191.143	514.590	169.138	144.536	133.260	124.035	131.210
67.5	2363.834	2058.361	1783.639	1210.619	464.361	151.712	113.784	91.232	76.881	69.705
70.0	2407.913	2075.787	1795.940	1246.497	417.208	129.160	76.881	43.053	19.477	4.100
72.5	2260.301	1929.200	1660.630	1176.792	361.853	96.358	38.953	8.201	3.075	3.075
75.0	1797.990	1527.369	1306.977	994.328	259.345	56.379	7.176	3.075	2.050	2.050
77.5	1029.180	869.268	730.882	697.054	126.085	16.401	2.050	2.050	1.025	1.025
80.0	379.280	317.775	241.919	287.022	41.003	3.075	1.025	1.025	1.025	1.025
82.5	137.361	111.734	89.182	76.881	11.276	1.025	1.025	1.025	1.025	0.000
85.0	52.279	45.104	36.903	21.527	2.050	1.025	1.025	1.025	1.025	1.025
87.5	15.376	14.351	12.301	3.075	1.025	1.025	1.025	1.025	1.025	1.025
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

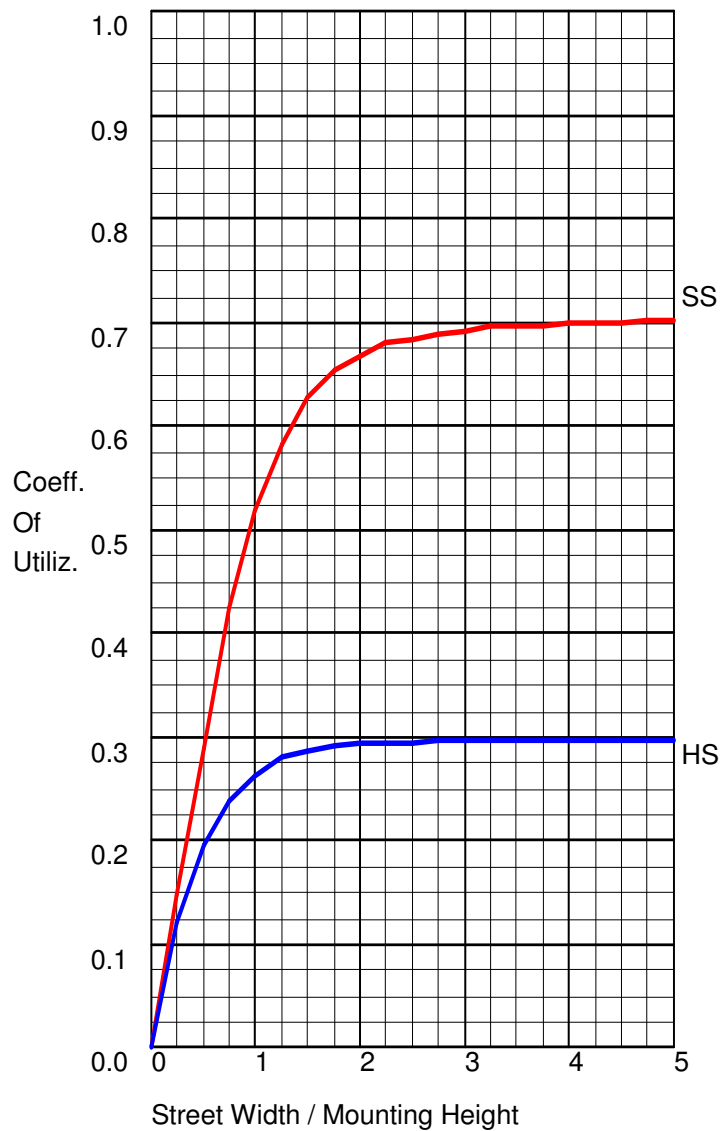
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1561.197	1561.197
2.5	1515.068	1513.018
5.0	1428.961	1428.961
7.5	1363.356	1372.582
10.0	1326.453	1337.729
12.5	1266.999	1280.325
15.0	1162.441	1162.441
17.5	972.801	957.425
20.0	647.851	626.324
22.5	498.189	499.214
25.0	512.540	512.540
27.5	568.919	568.919
30.0	627.349	627.349
32.5	663.227	663.227
35.0	635.550	633.499
37.5	608.897	607.872
40.0	680.653	678.603
42.5	791.362	790.337
45.0	853.892	852.867
47.5	861.067	868.243
50.0	565.844	584.296
52.5	315.725	324.950
55.0	222.442	225.518
57.5	187.590	187.590
60.0	174.264	173.239
62.5	165.038	166.063
65.0	154.787	158.887

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-850-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	45.104	30.752
70.0	3.075	3.075
72.5	3.075	3.075
75.0	2.050	2.050
77.5	1.025	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	1.025
87.5	1.025	0.000
90.0	0.000	0.000

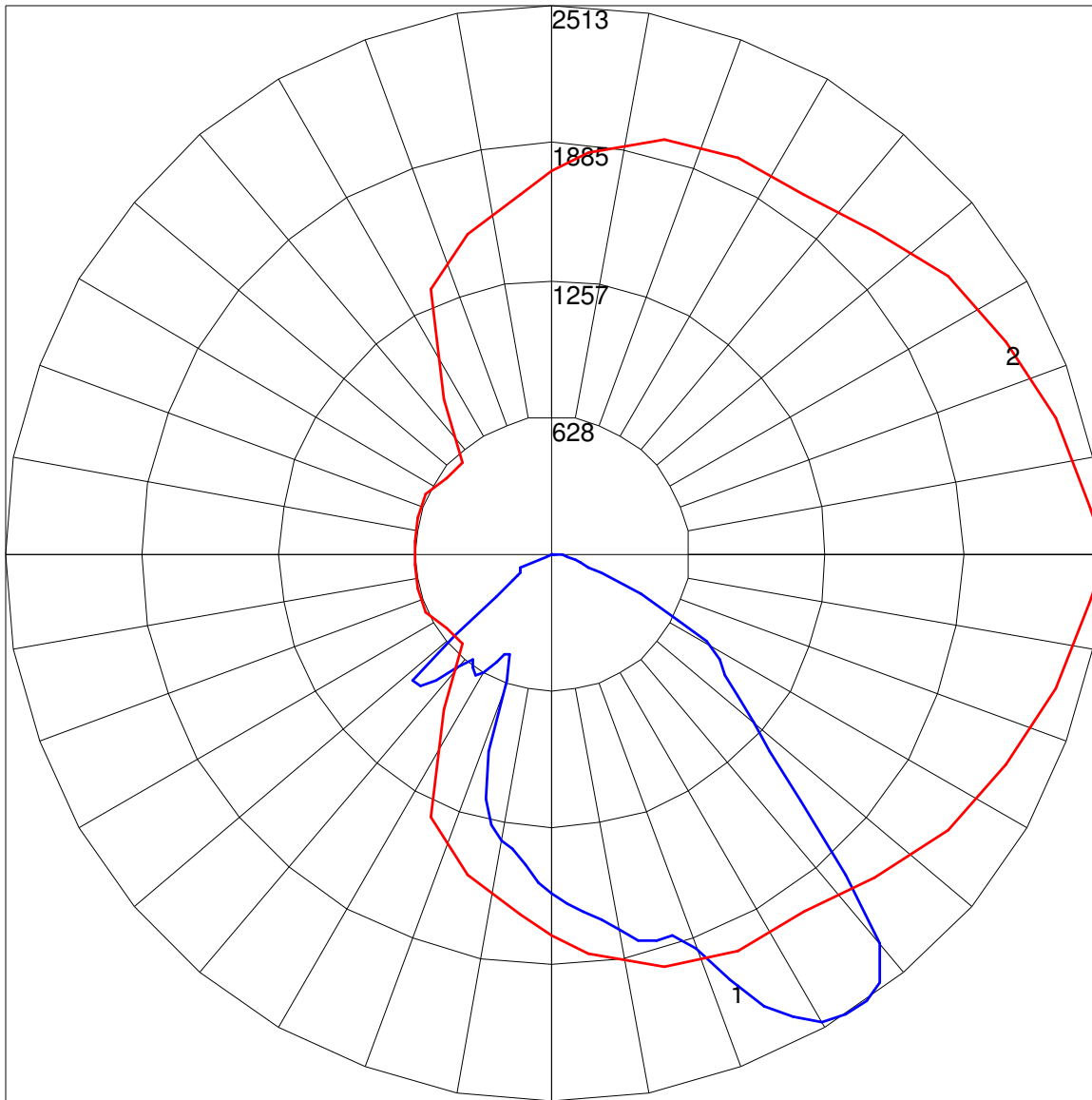
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

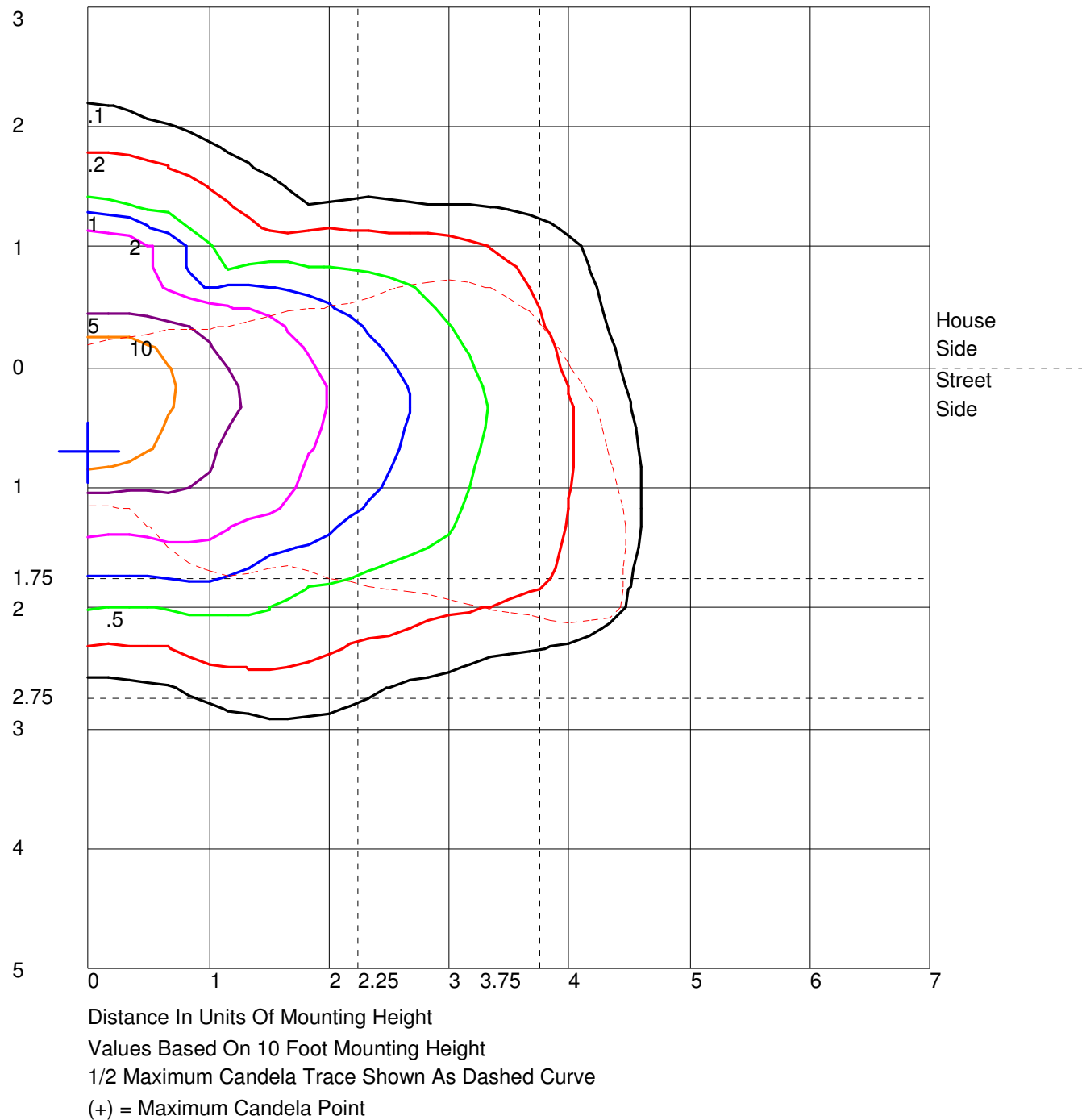
	Lumens	Percent Of Luminaire
Downward Street Side	4280.9	70.4
Downward House Side	1801.0	29.6
Downward Total	6081.9	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	6081.9	100.0

POLAR GRAPH

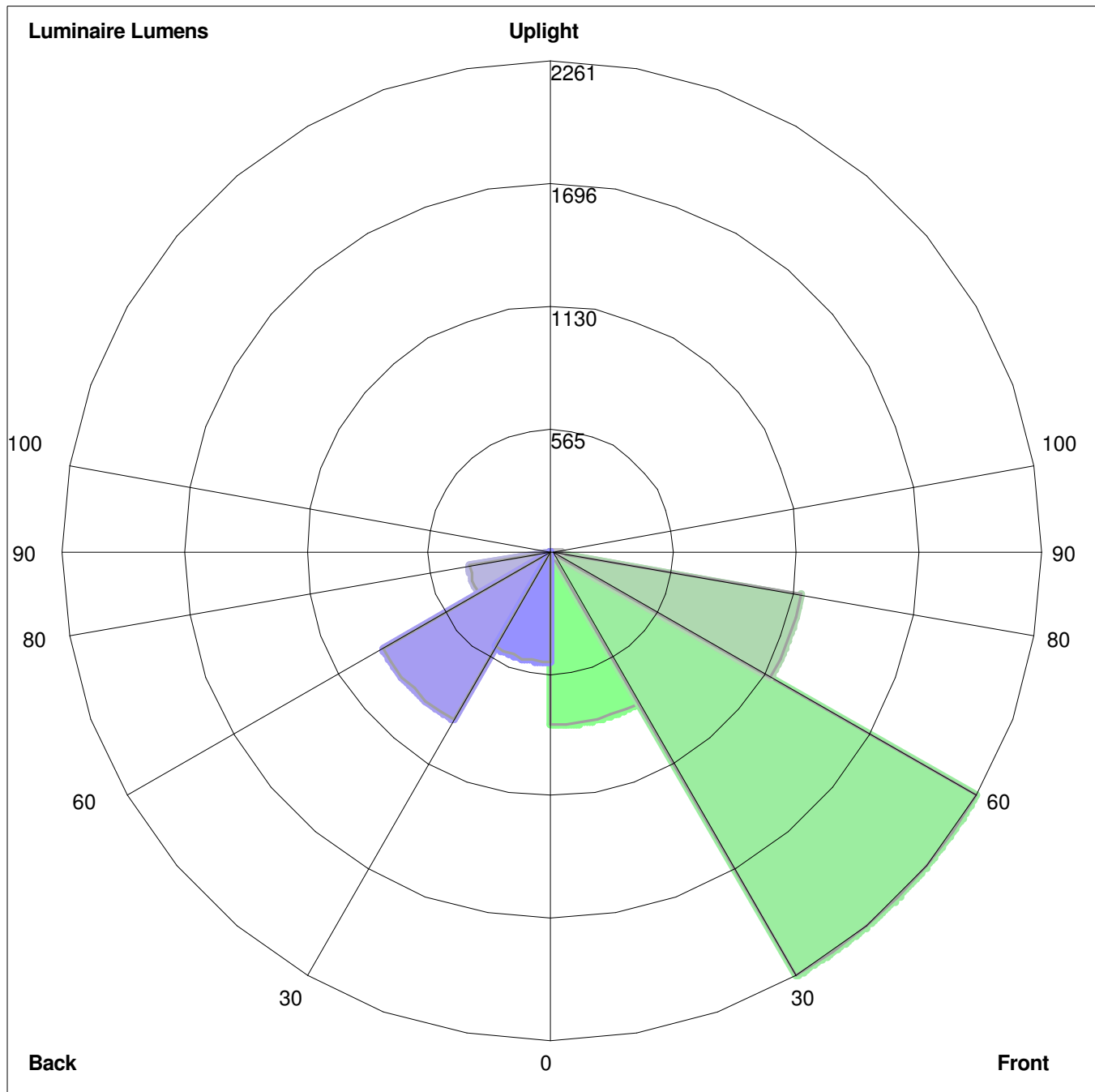


Maximum Candela = 2513.496 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=805.5, Medium=2260.8, High=1165.9, Very High=48.6
Back: Low=510.8, Medium=897.4, High=384.1, Very High=8.7
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G1