



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-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-L60-830-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	5564
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2299.582
Maximum Candela Angle	0H 35V
Maximum Candela (<90 Degrees Vertical)	2299.582
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	715.571 (12.9% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-830-T3-XXX-CGL-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	737.0	N.A.	13.2
FM - Front-Medium (30-60)	2068.4	N.A.	37.2
FH - Front-High (60-80)	1066.7	N.A.	19.2
FVH - Front-Very High (80-90)	44.5	N.A.	0.8
BL - Back-Low (0-30)	467.3	N.A.	8.4
BM - Back-Medium (30-60)	821.0	N.A.	14.8
BH - Back-High (60-80)	351.4	N.A.	6.3
BVH - Back-Very High (80-90)	7.9	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	5564.2	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	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329
2.5	1474.283	1478.972	1486.475	1480.848	1479.910	1472.408	1464.905	1454.589	1452.713	1440.521
5.0	1515.548	1521.175	1527.740	1523.989	1523.051	1517.424	1509.921	1501.481	1498.667	1478.035
7.5	1548.373	1554.000	1557.751	1554.937	1553.062	1554.937	1551.186	1547.435	1547.435	1523.989
10.0	1605.581	1610.270	1612.146	1607.456	1601.829	1600.892	1594.327	1590.575	1596.202	1571.819
12.5	1666.540	1669.354	1669.354	1669.354	1668.416	1668.416	1653.411	1638.405	1642.156	1615.897
15.0	1678.732	1681.546	1682.484	1691.862	1707.805	1726.562	1719.059	1695.613	1685.297	1651.535
17.5	1685.297	1684.359	1685.297	1689.048	1707.805	1745.319	1763.138	1751.884	1723.748	1680.608
20.0	1768.765	1768.765	1768.765	1746.257	1730.313	1741.567	1774.392	1792.211	1760.324	1705.930
22.5	1937.576	1928.197	1919.757	1863.487	1803.465	1761.262	1763.138	1808.154	1789.397	1733.127
25.0	2094.195	2084.817	2070.749	1985.406	1892.560	1810.968	1761.262	1799.713	1811.905	1750.946
27.5	2195.482	2190.792	2178.600	2076.376	1963.835	1870.989	1786.584	1786.584	1825.035	1765.013
30.0	2267.695	2260.192	2243.311	2135.460	2016.354	1923.508	1827.849	1790.335	1833.476	1775.330
32.5	2297.706	2288.328	2264.882	2171.098	2066.060	1972.276	1872.865	1810.968	1835.351	1783.770
35.0	2299.582	2291.141	2269.571	2188.917	2107.325	2023.857	1917.881	1836.289	1840.978	1800.651
37.5	2266.757	2264.882	2244.249	2188.917	2151.403	2077.314	1961.022	1845.668	1848.481	1816.595
40.0	2135.460	2122.330	2108.263	2127.019	2167.346	2137.336	2005.100	1850.357	1856.922	1845.668
42.5	1824.097	1807.216	1798.776	1905.689	2127.019	2202.046	2057.619	1858.797	1857.859	1887.870
45.0	1472.408	1454.589	1451.775	1558.689	1949.768	2236.747	2106.387	1872.865	1861.611	1928.197
47.5	1233.259	1222.004	1222.004	1306.410	1599.016	2214.238	2157.030	1888.808	1864.424	1969.462
50.0	1098.210	1088.831	1088.831	1166.672	1402.070	2103.573	2214.238	1903.814	1873.803	2003.225
52.5	985.669	977.228	979.104	1055.069	1326.105	1815.657	2223.617	1944.141	1910.378	2036.987
55.0	890.009	884.382	890.947	963.161	1272.648	1679.670	2131.709	2028.546	1945.079	2078.252
57.5	827.174	825.299	828.112	896.574	1222.942	1599.016	1905.689	2119.517	1987.281	2084.817
60.0	742.769	739.017	735.266	799.039	1143.226	1487.413	1698.427	2157.030	1991.970	2066.998
62.5	598.341	593.652	589.901	653.674	995.985	1332.670	1495.854	2097.946	1949.768	2045.427
65.0	407.022	404.209	400.457	479.236	802.790	1133.848	1270.772	1948.830	1924.446	2074.500
67.5	220.392	221.330	229.771	294.482	594.590	931.274	1071.012	1681.546	1947.892	2106.387
70.0	159.433	160.371	164.122	221.330	440.784	725.888	878.755	1426.453	2011.665	2122.330
72.5	121.919	121.919	126.608	168.811	339.498	545.822	682.747	1179.802	1971.338	2006.038
75.0	93.784	92.846	95.660	125.670	256.030	377.949	490.490	877.818	1756.573	1699.365
77.5	65.649	64.711	67.524	85.343	181.941	249.465	329.182	568.331	1399.256	1214.502
80.0	39.389	38.451	40.327	50.643	114.416	158.495	191.319	377.949	715.571	568.331
82.5	20.632	19.695	20.632	24.384	58.146	87.219	90.970	247.590	257.906	208.200
85.0	9.378	8.441	9.378	11.254	23.446	39.389	38.451	109.727	80.654	80.654
87.5	2.814	2.814	2.814	3.751	6.565	9.378	12.192	24.384	21.570	24.384
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	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329	1428.329
2.5	1431.143	1425.516	1421.764	1414.262	1410.510	1398.318	1391.753	1388.002	1385.189	1379.561
5.0	1461.153	1449.899	1440.521	1419.889	1402.070	1370.183	1348.613	1329.856	1315.788	1303.597
7.5	1502.418	1486.475	1470.532	1434.894	1402.070	1355.178	1318.602	1288.591	1264.207	1248.264
10.0	1543.683	1523.989	1502.418	1451.775	1405.821	1349.551	1303.597	1267.959	1237.948	1218.253
12.5	1578.383	1553.062	1527.740	1463.967	1409.572	1346.737	1301.721	1257.642	1213.564	1174.175
15.0	1606.519	1576.508	1541.808	1467.718	1403.945	1344.861	1297.032	1228.569	1156.356	1091.645
17.5	1628.089	1591.513	1548.373	1461.153	1391.753	1335.483	1268.896	1165.734	1056.945	944.404
20.0	1643.094	1599.954	1548.373	1447.086	1375.810	1313.913	1213.564	1059.758	869.377	671.493
22.5	1656.224	1606.519	1550.248	1435.832	1363.618	1274.523	1128.221	879.693	599.279	478.298
25.0	1672.167	1615.897	1552.124	1430.205	1347.675	1219.191	994.110	623.663	482.049	466.106
27.5	1681.546	1621.524	1553.062	1427.391	1329.856	1146.040	807.480	507.371	487.676	511.122

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CANDELA TABULATION - (Cont.)

30.0	1687.173	1623.400	1546.497	1419.889	1303.597	1049.442	611.471	498.930	530.817	563.641
32.5	1689.986	1618.710	1534.305	1406.759	1267.021	924.709	538.320	525.190	573.020	601.155
35.0	1686.235	1607.456	1516.486	1392.691	1221.067	795.288	537.382	546.760	583.336	583.336
37.5	1688.111	1598.078	1498.667	1372.059	1161.045	664.928	531.755	544.885	550.512	554.263
40.0	1697.489	1597.140	1487.413	1345.799	1080.391	558.952	509.247	511.122	517.687	560.828
42.5	1713.432	1599.954	1478.972	1312.037	989.420	478.298	455.790	482.049	543.009	675.244
45.0	1737.816	1608.394	1476.159	1281.088	879.693	407.022	399.520	455.790	641.482	741.831
47.5	1770.640	1629.965	1487.413	1257.642	781.220	335.746	344.187	532.693	681.809	765.277
50.0	1811.905	1654.348	1500.543	1239.823	706.193	279.476	312.300	571.144	607.720	565.517
52.5	1841.916	1674.981	1514.610	1235.134	672.431	245.714	322.617	425.779	320.741	292.606
55.0	1897.249	1716.246	1547.435	1244.513	656.487	221.330	250.403	244.776	215.703	207.262
57.5	1968.525	1765.013	1569.943	1234.196	618.036	205.387	189.444	191.319	186.630	176.314
60.0	1981.654	1792.211	1597.140	1210.750	568.331	189.444	165.998	165.060	166.935	162.246
62.5	2007.914	1792.211	1586.824	1145.102	523.314	172.562	150.992	142.552	149.116	143.489
65.0	2069.811	1824.097	1584.010	1089.769	470.795	154.743	132.235	121.919	113.479	120.043
67.5	2162.657	1883.181	1631.840	1107.588	424.841	138.800	104.100	83.468	70.338	63.773
70.0	2202.984	1899.124	1643.094	1140.412	381.701	118.168	70.338	39.389	17.819	3.751
72.5	2067.935	1765.013	1519.300	1076.639	331.057	88.157	35.638	7.503	2.814	2.814
75.0	1644.970	1397.380	1195.745	909.704	237.273	51.581	6.565	2.814	1.876	1.876
77.5	941.591	795.288	668.679	637.731	115.354	15.005	1.876	1.876	0.938	0.938
80.0	347.001	290.730	221.330	262.595	37.514	2.814	0.938	0.938	0.938	0.938
82.5	125.670	102.224	81.592	70.338	10.316	0.938	0.938	0.938	0.938	0.000
85.0	47.830	41.265	33.762	19.695	1.876	0.938	0.938	0.938	0.938	0.938
87.5	14.068	13.130	11.254	2.814	0.938	0.938	0.938	0.938	0.938	0.938
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

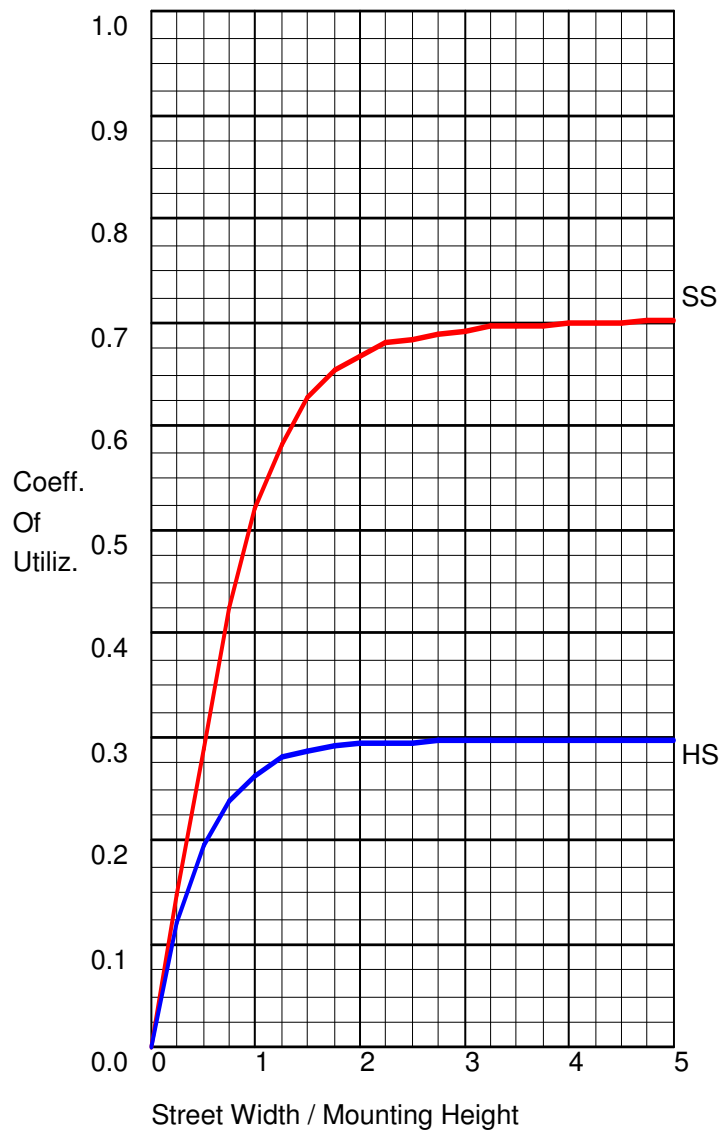
Vert. Horizontal Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1428.329	1428.329
2.5	1386.126	1384.251
5.0	1307.348	1307.348
7.5	1247.326	1255.767
10.0	1213.564	1223.880
12.5	1159.169	1171.361
15.0	1063.510	1063.510
17.5	890.009	875.942
20.0	592.714	573.020
22.5	455.790	456.728
25.0	468.920	468.920
27.5	520.501	520.501
30.0	573.958	573.958
32.5	606.782	606.782
35.0	581.460	579.585
37.5	557.076	556.139
40.0	622.725	620.850
42.5	724.012	723.074
45.0	781.220	780.282
47.5	787.785	794.350
50.0	517.687	534.568
52.5	288.854	297.295
55.0	203.511	206.325
57.5	171.625	171.625
60.0	159.433	158.495
62.5	150.992	151.930
65.0	141.614	145.365

IES ROAD REPORT**PHOTOMETRIC FILENAME : VWPX-L60-830-T3-XXX-CGL-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	41.265	28.135
70.0	2.814	2.814
72.5	2.814	2.814
75.0	1.876	1.876
77.5	0.938	0.000
80.0	0.000	0.000
82.5	0.000	0.000
85.0	0.000	0.938
87.5	0.938	0.000
90.0	0.000	0.000

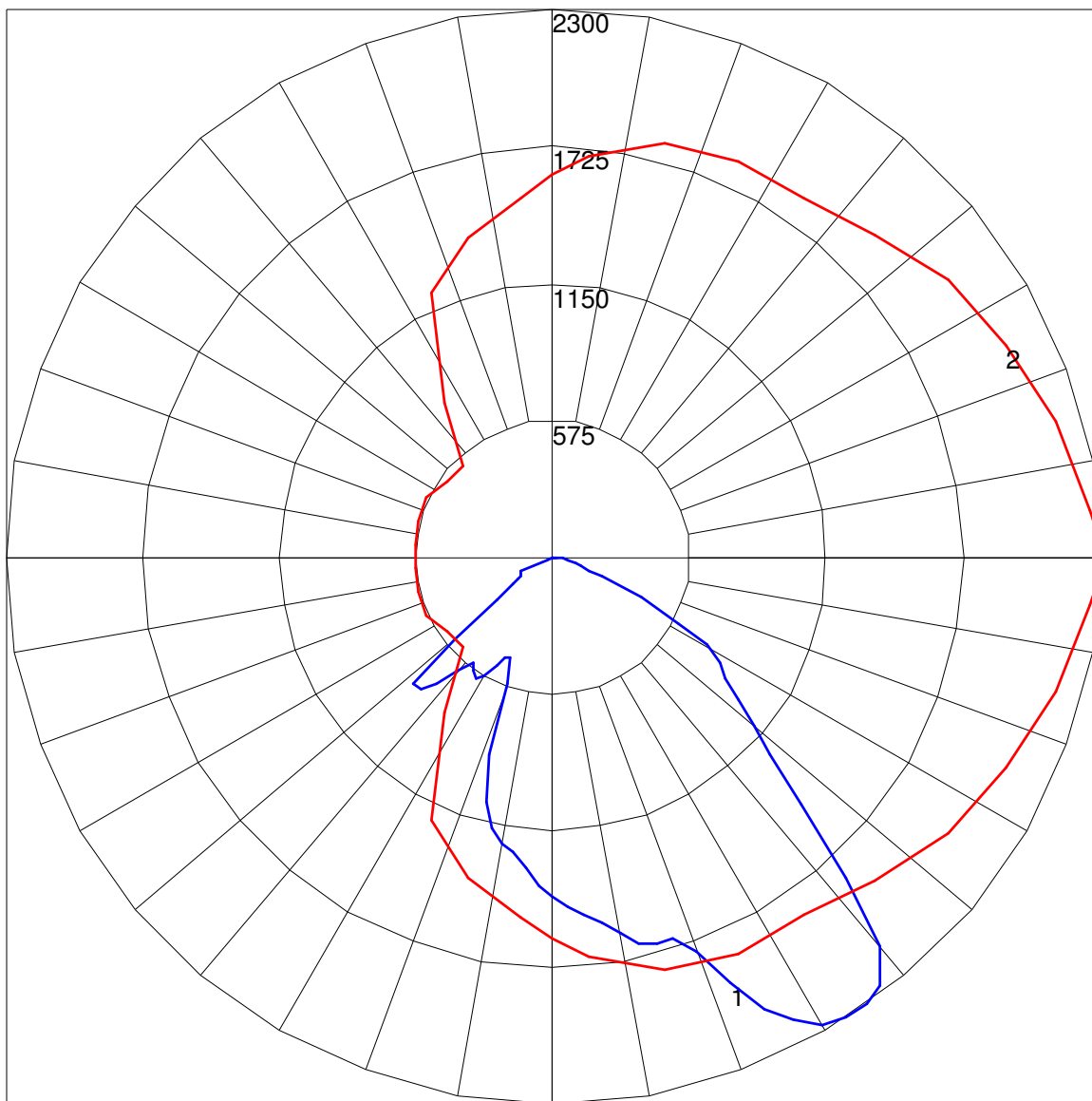
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

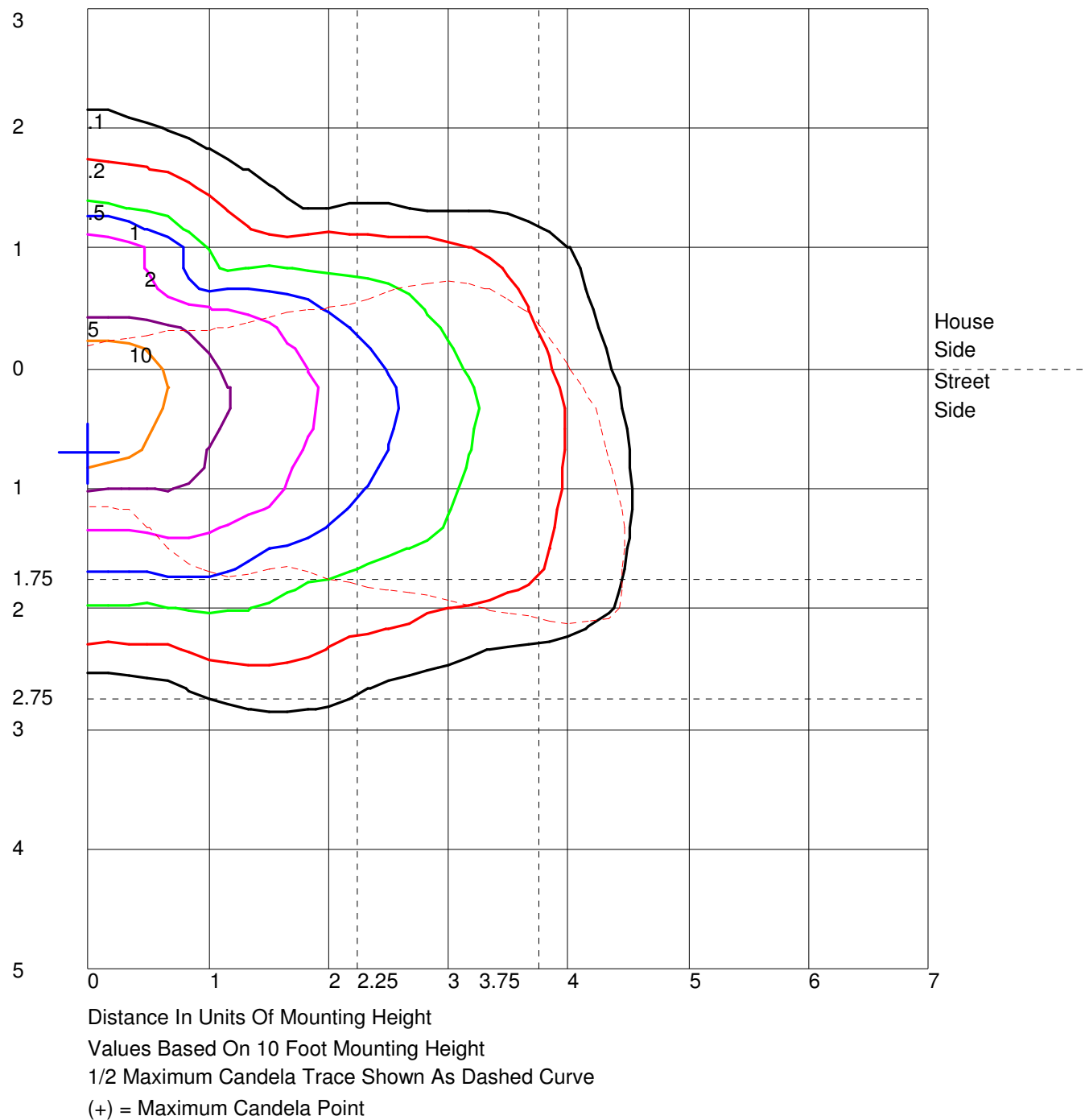
	Lumens	Percent Of Luminaire
Downward Street Side	3916.6	70.4
Downward House Side	1647.7	29.6
Downward Total	5564.3	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5564.3	100.0

POLAR GRAPH

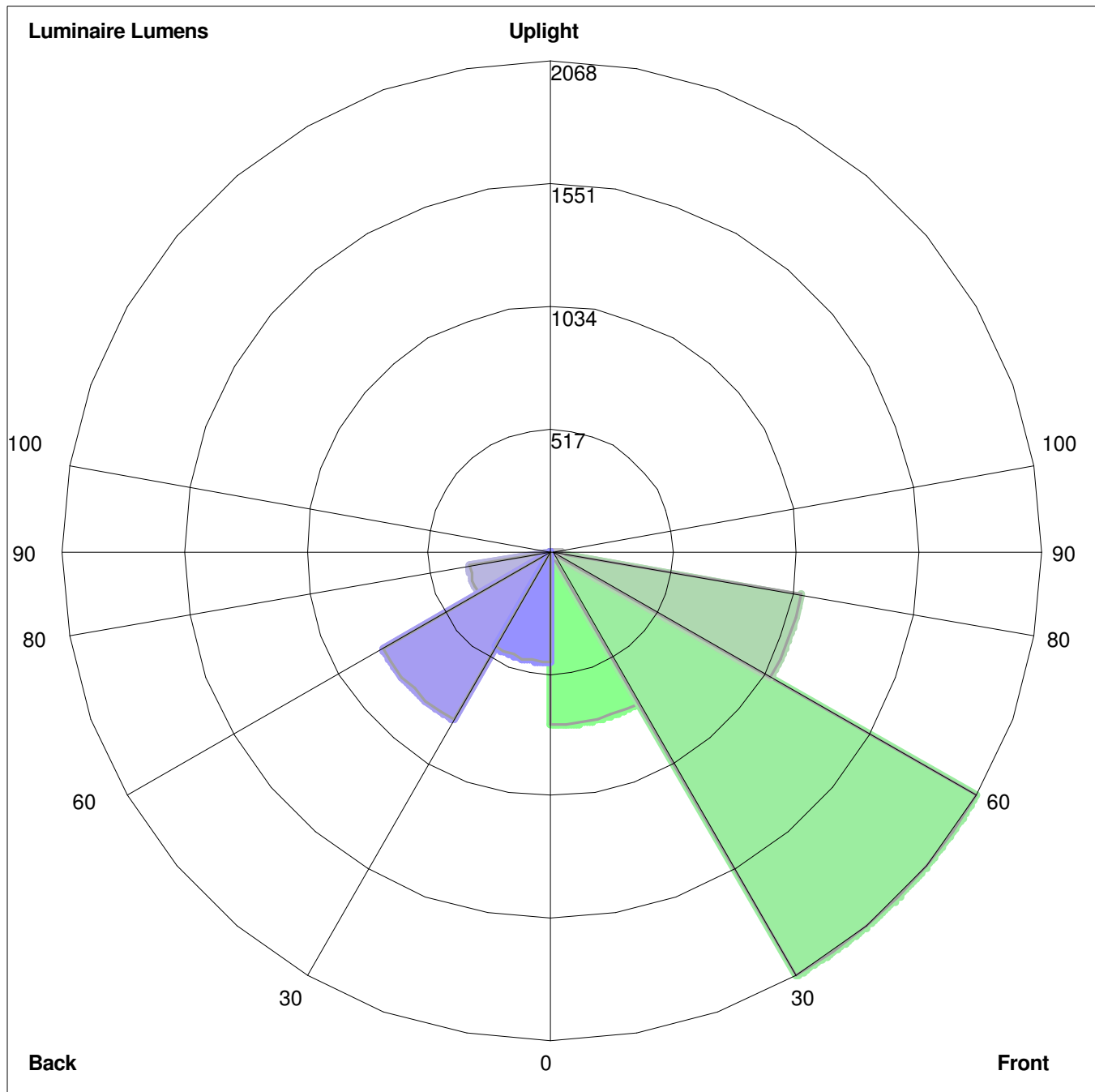


Maximum Candela = 2299.582 Located At Horizontal Angle = 0, Vertical Angle = 35
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (35) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=737.0, Medium=2068.4, High=1066.7, Very High=44.5
Back: Low=467.3, Medium=821.0, High=351.4, Very High=7.9
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1