



IES ROAD REPORT

PHOTOMETRIC FILENAME : VWPX-L60-830-T3-XXX-SDGL-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM ATAL009419
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2024-01-31
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] VWPX-L60-830-T3-xxx-SDGL-DIM-UNV
[LUMINAIRE] CAST ALUMINUM LED WALL PACK
[MORE] WITH TYPE III DISTRIBUTION AND
[MORE] MICRO-PRISMATIC GLASS LENS
[LAMPCAT] X4-LUXEON M
[LAMP] 8 WHITE LED
[_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	5453
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	49
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2299.095
Maximum Candela Angle	0H 30V
Maximum Candela (<90 Degrees Vertical)	2299.095
Maximum Candela Angle (<90 Degrees Vertical)	0H 30V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	518.273 (9.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	781.3	N.A.	14.3
FM - Front-Medium (30-60)	2065.6	N.A.	37.9
FH - Front-High (60-80)	851.9	N.A.	15.6
FVH - Front-Very High (80-90)	65.6	N.A.	1.2
BL - Back-Low (0-30)	494.2	N.A.	9.1
BM - Back-Medium (30-60)	874.7	N.A.	16.0
BH - Back-High (60-80)	303.4	N.A.	5.6
BVH - Back-Very High (80-90)	16.3	N.A.	0.3
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	5453.0	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>10.0</u>	<u>15.0</u>	<u>20.0</u>	<u>25.0</u>	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>
0.0	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143
2.5	1546.324	1549.722	1546.324	1556.519	1554.820	1553.121	1549.722	1542.925	1539.527	1537.828
5.0	1610.896	1610.896	1610.896	1617.693	1615.993	1612.595	1607.497	1600.700	1593.903	1588.805
7.5	1638.084	1638.084	1638.084	1643.182	1639.783	1634.685	1629.587	1629.587	1629.587	1627.888
10.0	1694.159	1694.159	1692.460	1692.460	1685.663	1680.565	1675.467	1673.768	1668.670	1665.272
12.5	1763.829	1767.227	1762.130	1760.430	1753.633	1751.934	1745.137	1740.039	1731.543	1723.047
15.0	1828.401	1831.799	1826.701	1819.904	1813.107	1809.709	1804.611	1808.009	1804.611	1789.318
17.5	1882.777	1886.175	1881.078	1870.882	1857.288	1848.792	1847.092	1853.889	1852.190	1845.393
20.0	1988.131	1986.431	1976.236	1962.642	1947.349	1925.258	1908.266	1898.070	1887.875	1881.078
22.5	2100.282	2100.282	2088.387	2069.695	2047.605	2027.214	2006.823	1971.138	1942.251	1918.461
25.0	2186.944	2188.643	2175.049	2154.658	2130.868	2101.981	2078.191	2044.206	2015.319	1969.439
27.5	2260.012	2260.012	2248.117	2222.628	2190.342	2166.553	2135.966	2101.981	2066.297	2040.808
30.0	2299.095	2295.696	2282.102	2266.809	2234.523	2210.733	2175.049	2147.861	2122.372	2086.688
32.5	2280.403	2280.403	2270.207	2256.613	2244.719	2227.726	2203.936	2181.846	2159.756	2122.372
35.0	2220.929	2217.530	2207.335	2203.936	2202.237	2203.936	2197.139	2198.839	2178.447	2149.560
37.5	2125.771	2120.673	2112.176	2117.274	2122.372	2134.267	2158.056	2175.049	2181.846	2159.756
40.0	1957.544	1955.845	1960.943	1971.138	1996.627	2030.612	2086.688	2137.665	2169.951	2166.553
42.5	1746.836	1753.633	1757.032	1775.724	1831.799	1881.078	1979.634	2074.793	2130.868	2147.861
45.0	1519.136	1532.730	1544.625	1576.911	1634.685	1706.054	1833.498	1969.439	2066.297	2115.575
47.5	1325.420	1332.218	1345.812	1381.496	1440.970	1529.331	1668.670	1830.100	1962.642	2056.101
50.0	1165.690	1172.487	1175.886	1211.570	1276.142	1367.902	1514.038	1675.467	1831.799	1964.341
52.5	1011.058	1017.855	1021.253	1060.336	1123.209	1218.367	1366.203	1531.031	1694.159	1841.995
55.0	876.817	887.012	890.411	924.396	987.268	1077.329	1230.262	1398.489	1551.422	1695.859
57.5	759.568	766.365	769.763	798.651	856.426	949.885	1089.224	1255.751	1401.887	1539.527
60.0	652.515	654.214	655.913	683.101	735.778	824.140	956.682	1107.916	1242.157	1367.902
62.5	548.860	548.860	553.958	581.146	623.627	717.086	830.937	963.479	1084.126	1206.472
65.0	450.303	450.303	455.401	487.687	526.770	611.733	711.989	824.140	929.494	1041.645
67.5	367.040	365.340	368.739	399.325	438.408	511.476	598.138	701.793	791.854	887.012
70.0	293.971	292.272	297.370	321.160	351.746	418.017	494.484	576.048	661.011	740.876
72.5	232.798	231.099	234.497	254.889	283.776	334.754	397.626	472.393	538.664	603.236
75.0	180.121	178.422	180.121	197.114	219.204	259.986	314.363	368.739	423.115	475.792
77.5	132.542	130.843	132.542	146.136	161.429	193.715	236.197	275.280	316.062	361.942
80.0	91.760	90.061	91.760	100.256	112.151	134.241	164.828	193.715	222.603	254.889
82.5	56.075	56.075	56.075	62.873	69.670	83.264	101.955	122.347	139.339	159.730
85.0	28.887	27.188	27.188	30.587	35.684	42.481	52.677	61.173	71.369	81.564
87.5	8.496	8.496	8.496	10.196	10.196	11.895	15.293	18.692	22.090	25.489
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>45.0</u>	<u>50.0</u>	<u>55.0</u>	<u>60.0</u>	<u>65.0</u>	<u>70.0</u>	<u>75.0</u>	<u>80.0</u>	<u>85.0</u>	<u>90.0</u>
0.0	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143
2.5	1539.527	1534.429	1525.933	1520.835	1520.835	1519.136	1512.339	1508.940	1503.842	1498.745
5.0	1587.106	1578.610	1566.715	1556.519	1551.422	1548.023	1536.128	1527.632	1519.136	1508.940
7.5	1629.587	1624.490	1617.693	1605.798	1599.001	1592.204	1578.610	1565.016	1553.121	1536.128
10.0	1661.873	1661.873	1656.776	1651.678	1646.580	1638.084	1626.189	1610.896	1590.505	1570.113
12.5	1717.949	1714.550	1709.453	1702.656	1692.460	1683.964	1668.670	1651.678	1624.490	1599.001
15.0	1775.724	1767.227	1755.332	1741.738	1729.844	1719.648	1704.355	1685.663	1655.076	1622.790
17.5	1830.100	1816.506	1802.912	1782.521	1768.927	1757.032	1740.039	1719.648	1680.565	1641.482
20.0	1869.183	1855.589	1852.190	1836.897	1811.408	1789.318	1767.227	1741.738	1697.558	1653.377
22.5	1896.371	1889.574	1886.175	1867.483	1836.897	1814.806	1794.415	1765.528	1726.445	1670.370
25.0	1935.454	1911.664	1904.867	1894.672	1869.183	1841.995	1818.205	1785.919	1746.836	1690.761
27.5	1996.627	1942.251	1930.356	1913.363	1892.972	1858.987	1833.498	1801.212	1755.332	1694.159

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CANDELA TABULATION - (Cont.)

30.0	2047.605	1994.928	1954.146	1933.754	1916.762	1889.574	1850.491	1816.506	1763.829	1694.159
32.5	2086.688	2039.108	1993.228	1954.146	1937.153	1909.965	1875.980	1835.198	1772.325	1699.257
35.0	2110.477	2069.695	2018.717	1984.732	1966.040	1940.552	1894.672	1845.393	1785.919	1707.753
37.5	2125.771	2081.590	2044.206	2006.823	1986.431	1964.341	1923.559	1867.483	1799.513	1709.453
40.0	2132.568	2091.785	2054.402	2025.514	2006.823	1983.033	1940.552	1872.581	1796.115	1702.656
42.5	2134.267	2091.785	2049.304	2030.612	2000.026	1986.431	1955.845	1889.574	1809.709	1709.453
45.0	2117.274	2079.891	2039.108	2013.620	2005.123	1996.627	1971.138	1906.566	1821.604	1709.453
47.5	2079.891	2054.402	2010.221	1993.228	2000.026	1998.326	1974.537	1915.063	1823.303	1706.054
50.0	2017.018	2008.522	1976.236	1974.537	1983.033	1993.228	1988.131	1932.055	1830.100	1706.054
52.5	1926.957	1945.649	1943.950	1945.649	1964.341	1977.935	1983.033	1928.657	1825.002	1692.460
55.0	1801.212	1858.987	1896.371	1918.461	1933.754	1957.544	1964.341	1921.860	1823.303	1677.167
57.5	1653.377	1751.934	1814.806	1850.491	1877.679	1903.168	1916.762	1877.679	1782.521	1638.084
60.0	1491.948	1617.693	1700.956	1753.633	1792.716	1830.100	1847.092	1811.408	1719.648	1585.407
62.5	1330.518	1469.857	1573.512	1644.881	1706.054	1743.438	1767.227	1738.340	1651.678	1517.437
65.0	1163.991	1311.826	1422.278	1510.639	1590.505	1632.986	1675.467	1653.377	1573.512	1432.474
67.5	1007.659	1140.201	1260.849	1354.308	1451.165	1503.842	1544.625	1536.128	1457.963	1332.218
70.0	849.629	961.779	1077.329	1182.683	1284.638	1339.015	1386.594	1373.000	1305.029	1189.480
72.5	693.297	790.155	898.907	1002.562	1096.021	1150.397	1189.480	1167.390	1106.216	1012.757
75.0	547.161	628.725	734.079	815.643	895.508	937.990	966.877	943.088	887.012	810.546
77.5	412.919	477.491	564.153	630.424	693.297	715.387	737.478	710.289	664.409	606.635
80.0	292.272	338.152	404.423	450.303	496.183	504.679	518.273	497.882	463.897	426.514
82.5	183.520	219.204	259.986	288.874	317.761	338.152	333.054	316.062	302.468	273.580
85.0	93.459	113.850	134.241	149.535	166.527	178.422	175.023	164.828	163.129	146.136
87.5	28.887	35.684	44.181	47.579	54.376	61.173	59.474	54.376	56.075	50.978
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>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>110.0</u>	<u>115.0</u>	<u>120.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>	<u>140.0</u>
0.0	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143
2.5	1493.647	1488.549	1485.151	1478.354	1473.256	1469.857	1469.857	1468.158	1464.760	1463.060
5.0	1498.745	1488.549	1478.354	1464.760	1454.564	1446.068	1440.970	1437.571	1429.075	1422.278
7.5	1520.835	1503.842	1485.151	1469.857	1452.865	1440.970	1430.774	1415.481	1401.887	1389.992
10.0	1549.722	1525.933	1502.143	1481.752	1457.963	1437.571	1418.880	1395.090	1374.699	1352.609
12.5	1571.813	1544.625	1519.136	1490.248	1463.060	1435.872	1406.985	1371.300	1340.714	1310.127
15.0	1587.106	1553.121	1517.437	1488.549	1457.963	1422.278	1381.496	1340.714	1305.029	1264.247
17.5	1599.001	1558.219	1517.437	1474.955	1434.173	1391.691	1344.112	1299.932	1252.352	1201.375
20.0	1602.399	1561.617	1517.437	1464.760	1415.481	1364.503	1305.029	1240.458	1179.284	1111.314
22.5	1610.896	1561.617	1510.639	1451.165	1391.691	1327.120	1252.352	1170.788	1085.825	1002.562
25.0	1626.189	1568.414	1503.842	1437.571	1362.804	1281.240	1186.081	1085.825	987.268	892.110
27.5	1629.587	1565.016	1490.248	1415.481	1330.518	1226.864	1113.013	999.163	893.809	796.952
30.0	1622.790	1556.519	1473.256	1381.496	1286.338	1167.390	1038.246	910.802	805.448	722.184
32.5	1624.490	1542.925	1457.963	1359.406	1238.758	1099.419	958.381	830.937	735.778	671.207
35.0	1619.392	1531.031	1437.571	1322.022	1187.781	1033.148	881.914	759.568	676.304	628.725
37.5	1615.993	1522.534	1412.083	1281.240	1126.607	961.779	803.749	689.898	627.026	594.740
40.0	1605.798	1503.842	1381.496	1237.059	1070.532	885.313	730.681	623.627	574.349	557.356
42.5	1604.099	1486.850	1356.007	1187.781	1004.261	810.546	659.312	565.853	528.469	521.672
45.0	1592.204	1469.857	1322.022	1135.104	932.892	730.681	593.041	511.476	482.589	485.988
47.5	1571.813	1442.669	1284.638	1087.524	870.020	664.409	530.168	462.198	441.807	450.303
50.0	1565.016	1425.677	1252.352	1041.645	810.546	606.635	479.190	419.716	402.724	412.919
52.5	1546.324	1398.489	1214.969	997.464	759.568	555.657	433.311	373.837	358.543	373.837
55.0	1525.933	1364.503	1175.886	949.885	713.688	513.176	392.528	336.453	324.558	333.054
57.5	1480.053	1315.225	1126.607	895.508	661.011	468.995	355.145	302.468	288.874	288.874
60.0	1425.677	1254.052	1060.336	834.335	606.635	426.514	319.460	271.881	253.189	248.092
62.5	1359.406	1187.781	994.065	771.463	552.259	387.431	288.874	241.294	220.903	214.106
65.0	1288.037	1113.013	920.997	705.192	501.281	351.746	256.588	212.407	192.016	183.520

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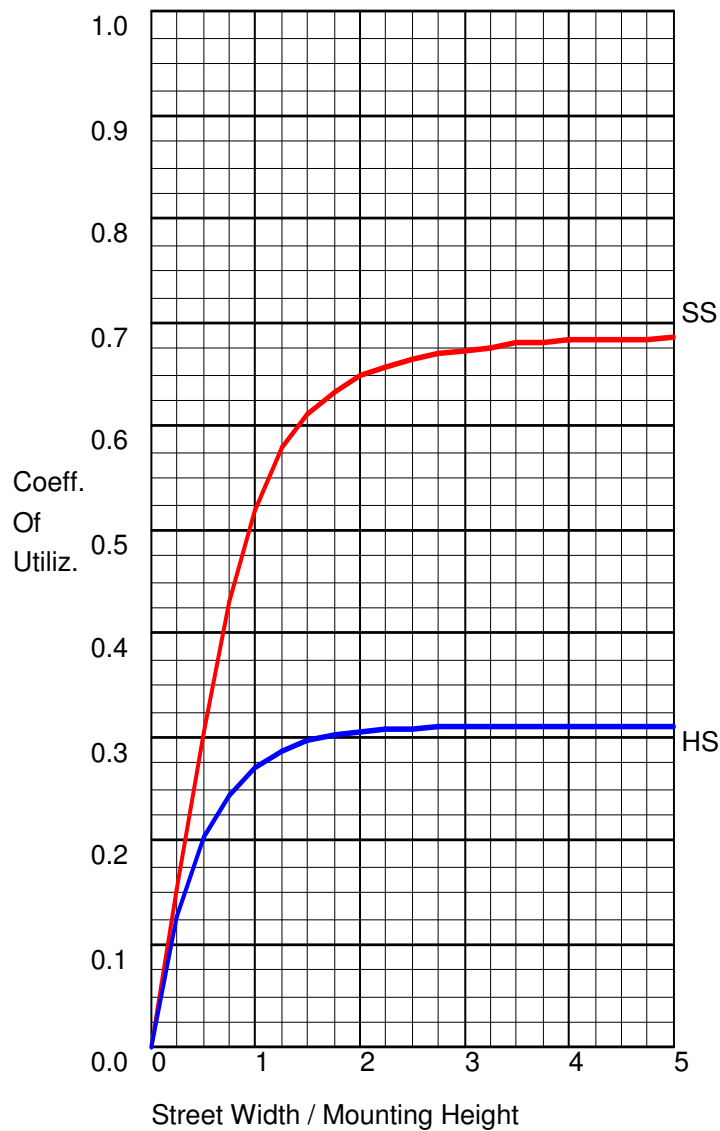
CANDELA TABULATION - (Cont.)

67.5	1186.081	1022.953	839.433	638.921	446.905	310.964	224.302	183.520	163.129	151.234
70.0	1056.938	909.103	745.974	559.056	389.130	266.783	190.317	152.933	129.144	108.752
72.5	897.208	773.162	633.823	474.093	326.257	219.204	149.535	113.850	86.662	59.474
75.0	720.485	620.229	511.476	382.333	258.287	159.730	91.760	66.271	30.587	11.895
77.5	536.965	475.792	392.528	288.874	178.422	71.369	35.684	11.895	3.399	1.699
80.0	378.934	338.152	278.678	180.121	39.083	13.594	5.098	1.699	1.699	0.000
82.5	244.693	217.505	178.422	76.467	11.895	3.399	1.699	1.699	0.000	0.000
85.0	130.843	117.249	86.662	16.993	3.399	1.699	1.699	1.699	0.000	0.000
87.5	49.278	40.782	11.895	1.699	1.699	0.000	0.000	0.000	0.000	0.000
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>145.0</u>	<u>150.0</u>	<u>155.0</u>	<u>160.0</u>	<u>165.0</u>	<u>170.0</u>	<u>175.0</u>	<u>180.0</u>
0.0	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143	1502.143
2.5	1461.361	1463.060	1459.662	1461.361	1464.760	1461.361	1456.263	1451.165
5.0	1418.880	1415.481	1408.684	1410.383	1413.782	1408.684	1406.985	1401.887
7.5	1379.797	1371.300	1357.706	1354.308	1354.308	1352.609	1349.210	1350.909
10.0	1333.917	1320.323	1301.631	1284.638	1277.841	1272.744	1267.646	1271.044
12.5	1282.939	1260.849	1231.961	1209.871	1196.277	1180.984	1182.683	1186.081
15.0	1218.367	1180.984	1143.600	1106.216	1087.524	1067.133	1068.833	1072.231
17.5	1138.502	1082.427	1034.848	985.569	954.982	926.095	922.697	926.095
20.0	1036.547	966.877	902.305	853.027	817.343	786.756	776.560	776.560
22.5	914.200	846.230	790.155	739.177	710.289	689.898	676.304	672.906
25.0	802.049	745.974	700.094	667.808	647.417	637.221	630.424	628.725
27.5	723.883	683.101	652.515	632.124	620.229	616.830	616.830	615.131
30.0	674.605	645.718	627.026	616.830	618.530	620.229	625.327	621.928
32.5	637.221	623.627	618.530	623.627	633.823	640.620	647.417	647.417
35.0	606.635	608.334	615.131	628.725	640.620	654.214	666.109	667.808
37.5	586.244	594.740	608.334	623.627	637.221	650.815	662.710	664.409
40.0	562.454	574.349	593.041	611.733	628.725	645.718	659.312	659.312
42.5	531.867	550.559	579.447	603.236	625.327	642.319	654.214	657.612
45.0	506.379	531.867	562.454	581.146	601.537	620.229	632.124	637.221
47.5	477.491	501.281	525.070	545.462	557.356	574.349	579.447	582.845
50.0	441.807	458.799	474.093	487.687	491.085	504.679	506.379	506.379
52.5	392.528	406.122	416.318	419.716	421.416	426.514	428.213	424.814
55.0	343.250	351.746	355.145	355.145	353.445	358.543	361.942	355.145
57.5	290.573	293.971	297.370	297.370	299.069	300.768	302.468	300.768
60.0	249.791	248.092	253.189	253.189	254.889	256.588	254.889	254.889
62.5	212.407	212.407	212.407	210.708	207.309	207.309	207.309	207.309
65.0	180.121	175.023	164.828	156.332	154.632	147.835	147.835	147.835
67.5	139.339	125.745	108.752	93.459	74.767	44.181	35.684	33.985
70.0	88.361	62.873	30.587	18.692	13.594	8.496	8.496	8.496
72.5	27.188	11.895	6.797	5.098	3.399	3.399	3.399	3.399
75.0	5.098	3.399	1.699	1.699	1.699	1.699	1.699	1.699
77.5	1.699	1.699	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

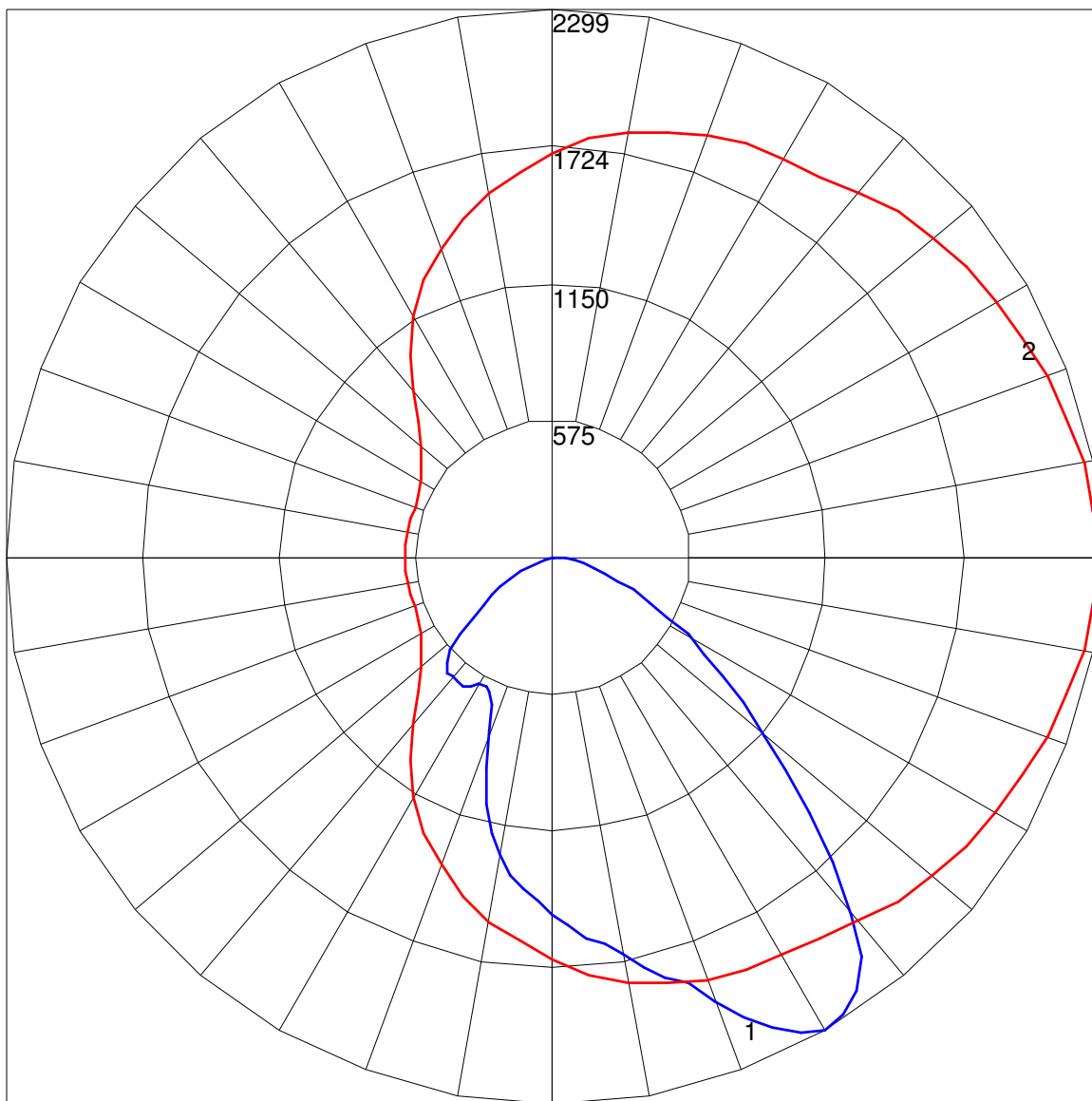
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

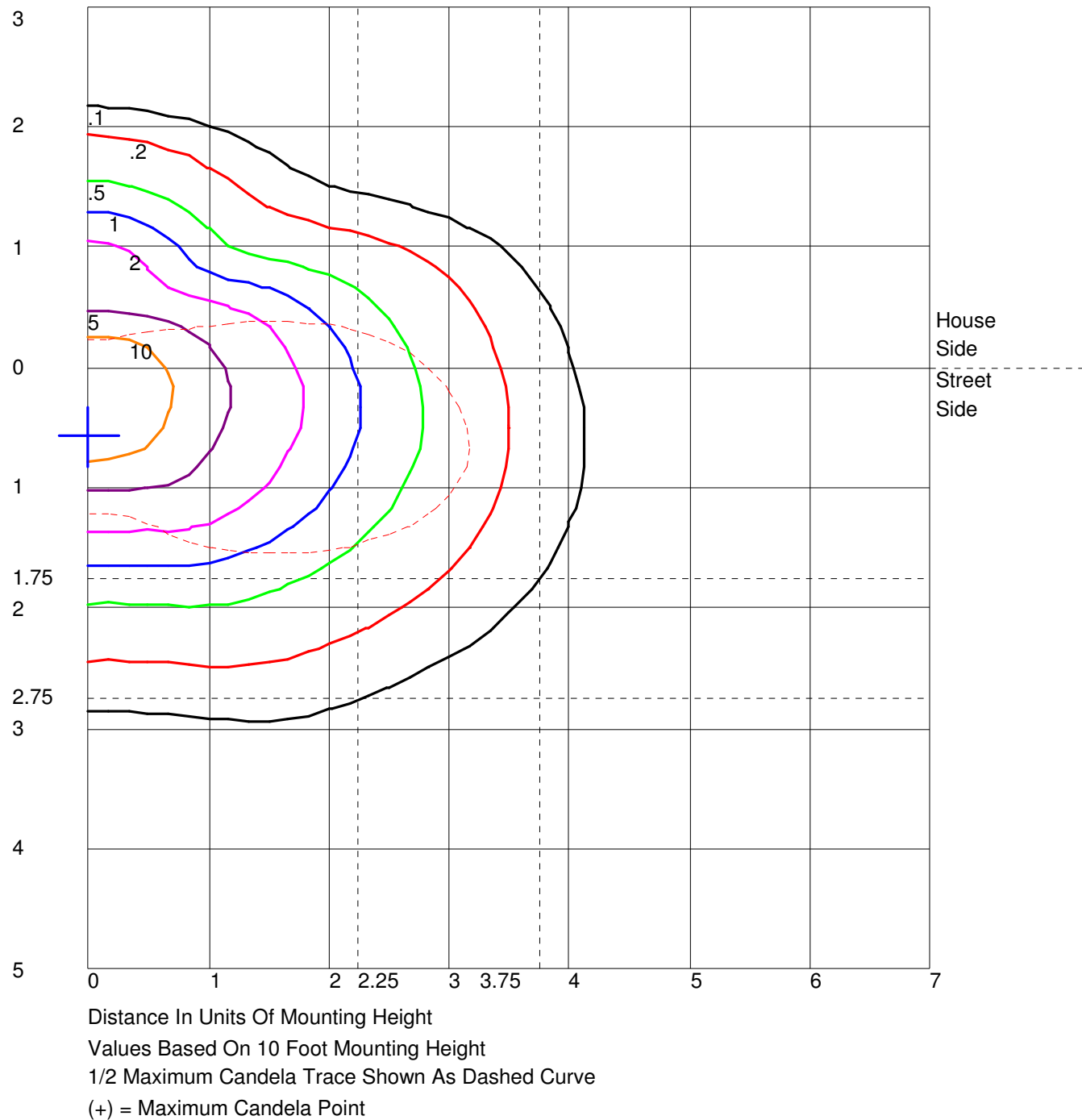
	Lumens	Percent Of Luminaire
Downward Street Side	3764.5	69.0
Downward House Side	1688.6	31.0
Downward Total	5453.1	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	5453.1	100.0

POLAR GRAPH

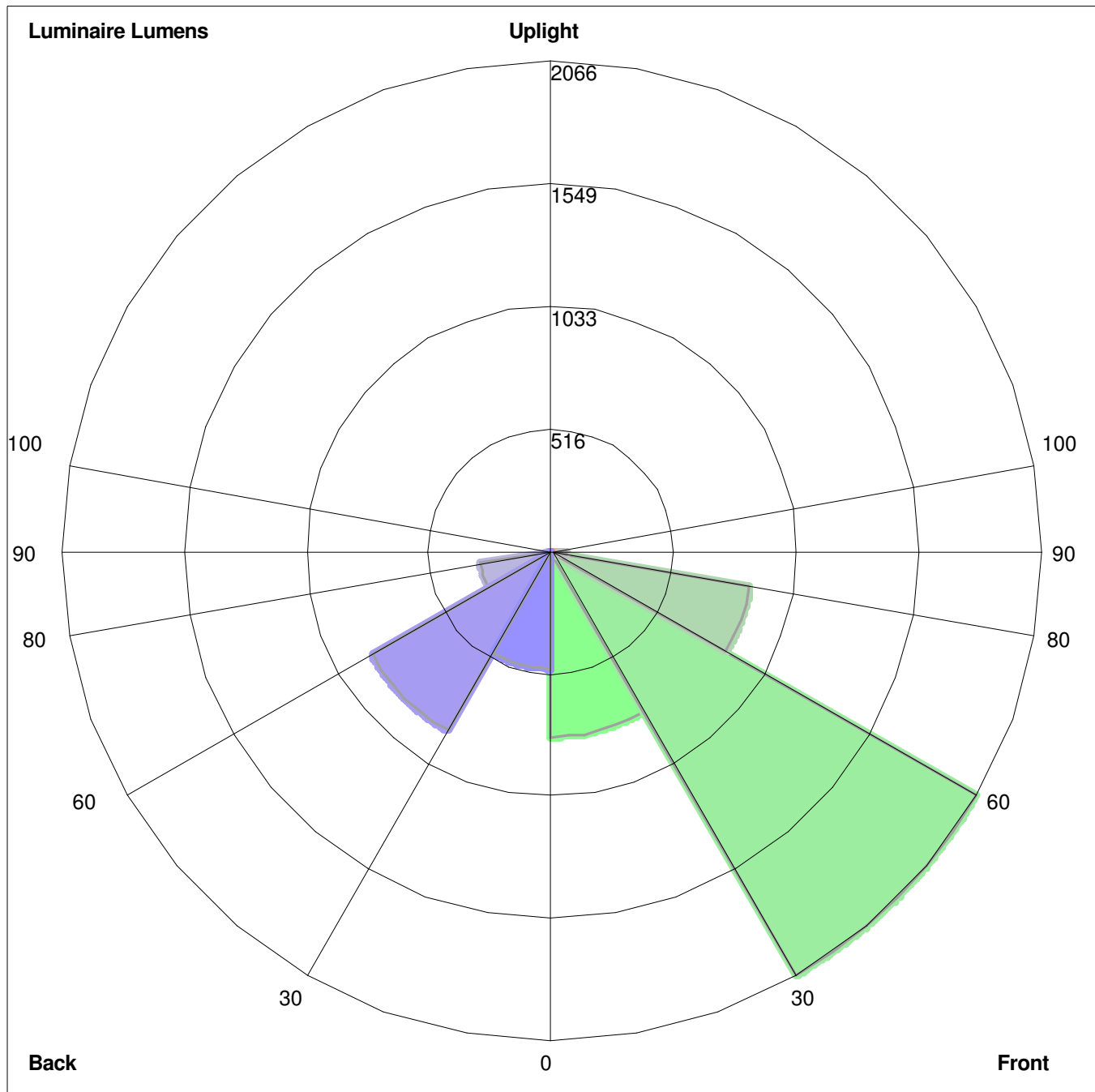


Maximum Candela = 2299.095 Located At Horizontal Angle = 0, Vertical Angle = 30
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=781.3, Medium=2065.6, High=851.9, Very High=65.6
Back: Low=494.2, Medium=874.7, High=303.4, Very High=16.3
Uplight: Low=0.0, High=0.0

BUG Rating : B1-U0-G1