



IES ROAD REPORT

PHOTOMETRIC FILENAME : VG1-L65-740-T3-XX-XXX-DIM-UNV_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] ATAL009382-R2
[TESTLAB] ATAL-LABS
[ISSUEDATE] 2023-11-06
[MANUFAC] WILLIAMS OUTDOOR
[OTHER] H.E. WILLIAMS INC. - CARTHAGE, MO.
[LUMCAT] VG1-L65-740-T3-xx-xxx-DIM-UNV_
[LUMINAIRE] 13.5 x 16 INCH LED GARAGE LUMINAIRE
[MORE] WITH TYPE III OPTIC AND CLEAR GLASS LENS
[LAMPCAT] X12-LUXEON M LEDS
[LAMP] (12) LUXEON M LEDS
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Outdoor, Architectural, Area, Canopy, Garage, Industrial, Parking, Site, Direct, Wet Location
[SEARCH_MOUNTING] Pendant, Surface
[MANUFAC] WILLIAMS OUTDOOR

CHARACTERISTICS

IES Classification	Type III
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7560
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	69
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3146.54
Maximum Candela Angle	82.5H 70V
Maximum Candela (<90 Degrees Vertical)	3146.54
Maximum Candela Angle (<90 Degrees Vertical)	82.5H 70V
Maximum Candela At 90 Degrees Vertical	0 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	936.284 (12.4% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L65-740-T3-XX-XXX-DIM-UNV_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	946.8	N.A.	12.5
FM - Front-Medium (30-60)	2699.8	N.A.	35.7
FH - Front-High (60-80)	1448.8	N.A.	19.2
FVH - Front-Very High (80-90)	47.6	N.A.	0.6
BL - Back-Low (0-30)	626.5	N.A.	8.3
BM - Back-Medium (30-60)	1170.8	N.A.	15.5
BH - Back-High (60-80)	591.3	N.A.	7.8
BVH - Back-Very High (80-90)	28.6	N.A.	0.4
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	7560.2	N.A.	100.0
BUG Rating	B2-U0-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</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>	<u>82.5</u>
0.0	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268
2.5	1936.814	1932.113	1925.062	1926.629	1925.845	1925.062	1914.876	1903.907	1896.856	1891.371
5.0	1961.886	1957.969	1951.701	1958.752	1965.020	1968.154	1964.237	1955.618	1947.000	1932.897
7.5	2005.762	1999.494	1989.309	1994.793	2003.412	2004.195	2004.979	2008.113	2004.195	1986.958
10.0	2095.081	2088.030	2077.061	2083.329	2082.545	2066.875	2056.690	2059.040	2057.473	2037.886
12.5	2132.689	2129.555	2133.473	2153.844	2171.081	2154.628	2123.287	2113.102	2103.700	2078.628
15.0	2115.452	2113.885	2122.504	2157.762	2206.339	2230.627	2198.504	2171.081	2145.225	2109.968
17.5	2169.514	2164.813	2154.628	2165.597	2199.287	2255.699	2258.833	2227.493	2182.834	2134.256
20.0	2313.678	2301.142	2276.070	2248.648	2222.792	2246.297	2283.905	2283.122	2218.875	2155.411
22.5	2484.481	2464.110	2399.863	2347.369	2283.905	2244.730	2272.936	2314.462	2250.998	2175.782
25.0	2617.677	2608.275	2511.120	2427.286	2343.451	2270.586	2255.699	2330.915	2273.720	2192.236
27.5	2737.552	2723.449	2610.625	2488.399	2390.461	2312.895	2260.400	2337.183	2293.307	2207.906
30.0	2800.232	2783.779	2669.388	2552.646	2439.038	2359.121	2288.606	2341.101	2312.111	2221.225
32.5	2832.356	2812.768	2706.996	2600.440	2501.718	2404.564	2323.864	2352.853	2336.400	2232.194
35.0	2851.160	2832.356	2750.088	2662.336	2565.965	2456.275	2353.637	2370.874	2370.090	2247.864
37.5	2835.490	2818.253	2761.841	2718.748	2643.532	2511.904	2377.142	2384.193	2408.482	2267.452
40.0	2639.615	2621.594	2692.109	2739.903	2740.686	2578.501	2398.296	2394.379	2450.791	2295.658
42.5	2207.122	2193.019	2355.987	2686.625	2815.902	2655.285	2421.801	2402.997	2498.584	2343.451
45.0	1809.104	1816.155	1968.154	2381.843	2856.644	2726.583	2453.925	2412.399	2542.460	2400.647
47.5	1601.476	1599.909	1715.083	1979.907	2810.418	2799.449	2491.533	2424.935	2575.367	2461.760
50.0	1458.879	1461.229	1562.301	1833.392	2583.986	2869.964	2536.192	2455.492	2606.708	2523.656
52.5	1324.900	1330.385	1433.807	1780.114	2307.410	2880.149	2630.213	2555.780	2692.893	2597.306
55.0	1222.261	1229.313	1328.034	1735.455	2221.225	2700.728	2758.707	2658.419	2790.047	2735.985
57.5	1113.355	1125.891	1232.447	1681.393	2122.504	2347.369	2852.727	2768.892	2849.593	2890.335
60.0	962.923	972.325	1101.602	1574.053	1980.690	2138.174	2854.294	2779.078	2853.510	2903.654
62.5	784.284	783.501	897.109	1371.127	1782.465	1893.722	2768.109	2719.532	2843.325	2975.736
65.0	547.667	546.100	660.491	1110.221	1526.260	1608.527	2553.429	2706.212	2895.819	3027.448
67.5	326.720	336.122	408.204	817.975	1255.168	1348.405	2197.720	2731.284	2891.118	3101.880
70.0	241.318	248.370	309.483	611.914	976.242	1103.953	1865.516	2781.428	2916.190	3146.540
72.5	180.989	181.772	237.401	477.152	716.120	854.799	1530.177	2674.089	2743.037	2897.386
75.0	128.494	128.494	173.937	355.709	495.956	611.131	1104.736	2312.895	2388.111	2316.812
77.5	83.051	84.618	112.041	244.452	330.637	394.101	692.615	1824.774	1731.537	1396.199
80.0	47.010	47.010	63.464	149.649	201.360	209.978	470.101	936.284	673.027	448.946
82.5	21.938	22.722	28.990	77.567	104.989	94.020	295.380	264.823	208.411	136.329
85.0	5.485	6.268	8.619	23.505	43.093	34.474	99.505	63.464	56.412	32.907
87.5	0.000	0.000	0.000	0.784	2.351	2.351	3.918	3.134	1.567	1.567
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	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268	1877.268
2.5	1892.155	1886.670	1879.619	1864.732	1856.897	1854.547	1833.392	1823.207	1814.588	1815.372
5.0	1933.680	1920.361	1907.825	1874.918	1846.712	1821.640	1782.465	1756.609	1731.537	1721.351
7.5	1984.608	1966.587	1946.216	1896.856	1847.495	1802.052	1746.424	1702.547	1663.372	1639.867
10.0	2030.834	2008.113	1981.474	1918.010	1850.629	1788.733	1720.568	1664.939	1615.579	1582.672
12.5	2067.659	2040.236	2006.546	1928.979	1846.712	1771.496	1702.547	1640.651	1580.321	1532.528
15.0	2095.081	2063.741	2021.432	1930.546	1834.176	1752.692	1688.444	1613.228	1523.909	1451.827
17.5	2117.019	2078.628	2028.484	1925.062	1810.671	1733.888	1661.022	1556.033	1428.322	1317.065
20.0	2136.607	2089.597	2031.618	1914.093	1788.733	1711.949	1608.527	1455.745	1255.168	1051.458
22.5	2153.061	2100.566	2030.834	1901.557	1768.362	1671.991	1525.476	1282.591	959.005	759.996
25.0	2164.813	2108.401	2029.267	1887.454	1754.259	1616.362	1405.601	1017.768	724.738	651.089
27.5	2177.349	2113.885	2027.700	1875.701	1739.372	1543.497	1225.395	778.800	674.594	667.543

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CANDELA TABULATION - (Cont.)

30.0	2188.318	2113.102	2023.783	1863.949	1712.733	1450.260	1003.665	708.285	705.934	738.841
32.5	2194.586	2109.184	2015.164	1849.846	1677.475	1335.086	817.191	716.120	765.480	804.655
35.0	2207.122	2111.535	2005.762	1838.877	1631.249	1203.457	775.666	753.728	798.387	814.841
37.5	2225.926	2117.019	1997.144	1823.990	1574.053	1045.974	759.212	767.831	775.666	788.202
40.0	2247.081	2122.504	1988.525	1796.568	1504.322	875.171	740.408	740.408	740.408	792.119
42.5	2283.905	2136.607	1982.257	1754.259	1410.302	737.274	680.862	699.666	802.305	983.294
45.0	2329.348	2157.762	1983.824	1716.650	1289.642	638.553	597.811	683.213	944.902	1052.242
47.5	2380.276	2190.669	1999.494	1690.795	1158.014	530.430	521.028	814.841	966.057	1073.396
50.0	2431.987	2225.926	2021.432	1680.609	1059.293	443.462	478.719	851.665	937.851	953.521
52.5	2492.316	2261.967	2053.556	1694.712	1022.469	382.348	508.492	722.388	593.894	541.399
55.0	2627.079	2364.606	2132.689	1741.723	1012.283	340.823	425.441	401.936	359.627	358.843
57.5	2785.346	2492.316	2200.854	1749.558	959.789	308.699	285.194	293.029	289.895	277.359
60.0	2810.418	2554.213	2273.720	1734.671	888.490	281.277	246.803	246.803	254.638	246.803
62.5	2873.881	2562.048	2252.565	1647.702	815.624	253.854	231.916	216.246	234.267	235.050
65.0	2920.891	2567.532	2214.174	1566.218	743.542	227.999	210.762	195.092	217.030	246.019
67.5	3011.777	2633.347	2267.452	1603.043	666.759	205.277	177.071	176.288	202.143	274.225
70.0	3075.241	2669.388	2287.823	1656.321	611.131	187.257	152.783	154.350	202.927	295.380
72.5	2850.376	2495.450	2137.390	1576.404	546.884	162.185	130.061	134.762	209.978	287.545
75.0	2279.204	2026.917	1728.403	1329.601	392.534	135.546	109.690	119.876	209.195	280.493
77.5	1270.838	1165.066	1019.335	963.706	213.896	110.474	90.103	108.123	191.174	268.741
80.0	383.132	328.287	273.442	345.524	120.659	77.567	68.948	91.670	162.185	220.164
82.5	137.113	107.340	90.103	83.051	65.031	46.227	43.876	62.680	113.608	135.546
85.0	32.907	25.856	22.722	20.371	20.371	18.804	17.237	33.691	53.278	57.979
87.5	1.567	1.567	0.784	1.567	1.567	0.784	0.784	5.485	5.485	6.268
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

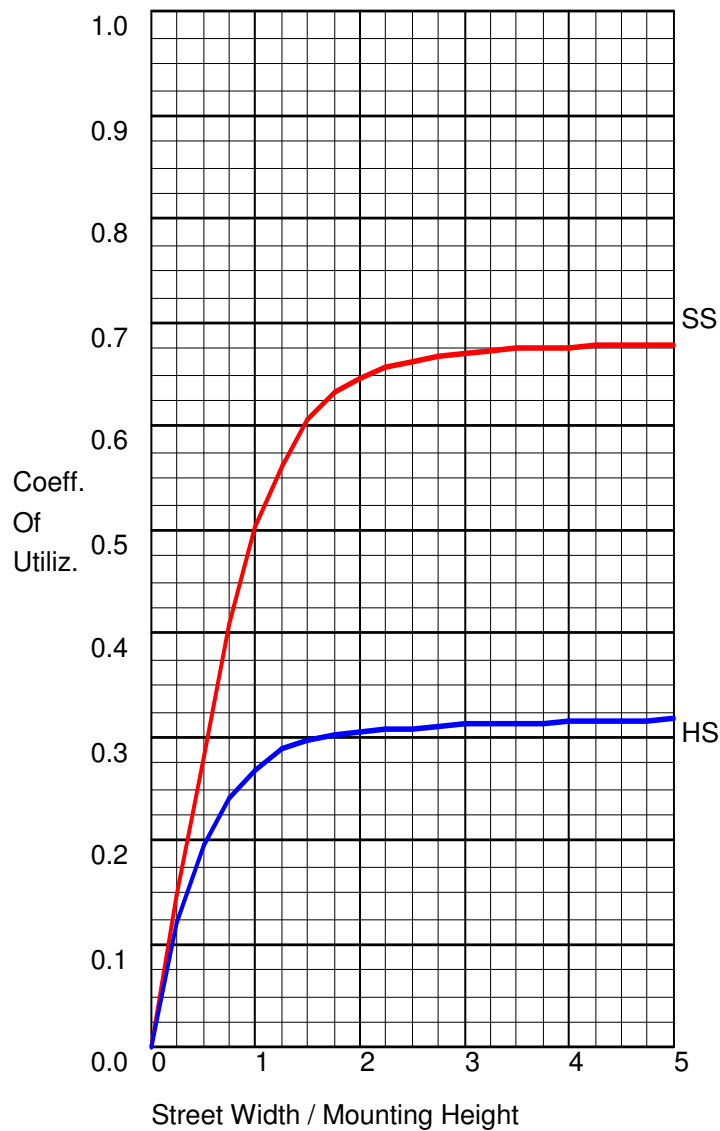
Vert. Horizontal Angles
Angles

	<u>175.0</u>	<u>180.0</u>
0.0	1877.268	1877.268
2.5	1801.269	1794.217
5.0	1702.547	1696.279
7.5	1618.713	1613.228
10.0	1557.600	1552.899
12.5	1498.054	1491.002
15.0	1400.900	1391.498
17.5	1233.230	1237.931
20.0	933.150	937.851
22.5	677.728	676.945
25.0	630.718	628.368
27.5	680.079	678.512
30.0	754.511	756.078
32.5	818.758	816.408
35.0	817.191	815.624
37.5	796.820	796.037
40.0	911.212	926.882
42.5	1063.994	1080.448
45.0	1103.953	1114.922
47.5	1126.674	1135.293
50.0	945.686	915.129
52.5	558.636	547.667
55.0	375.297	368.245
57.5	280.493	277.359
60.0	249.153	247.586
62.5	248.370	253.071
65.0	282.844	290.679

IES ROAD REPORT**PHOTOMETRIC FILENAME : VG1-L65-740-T3-XX-XXX-DIM-UNV_.IES****CANDELA TABULATION - (Cont.)**

67.5	315.751	323.586
70.0	329.070	334.555
72.5	322.802	332.988
75.0	327.503	335.338
77.5	307.916	313.400
80.0	226.432	224.865
82.5	130.845	120.659
85.0	51.711	38.392
87.5	3.918	3.134
90.0	0.000	0.000

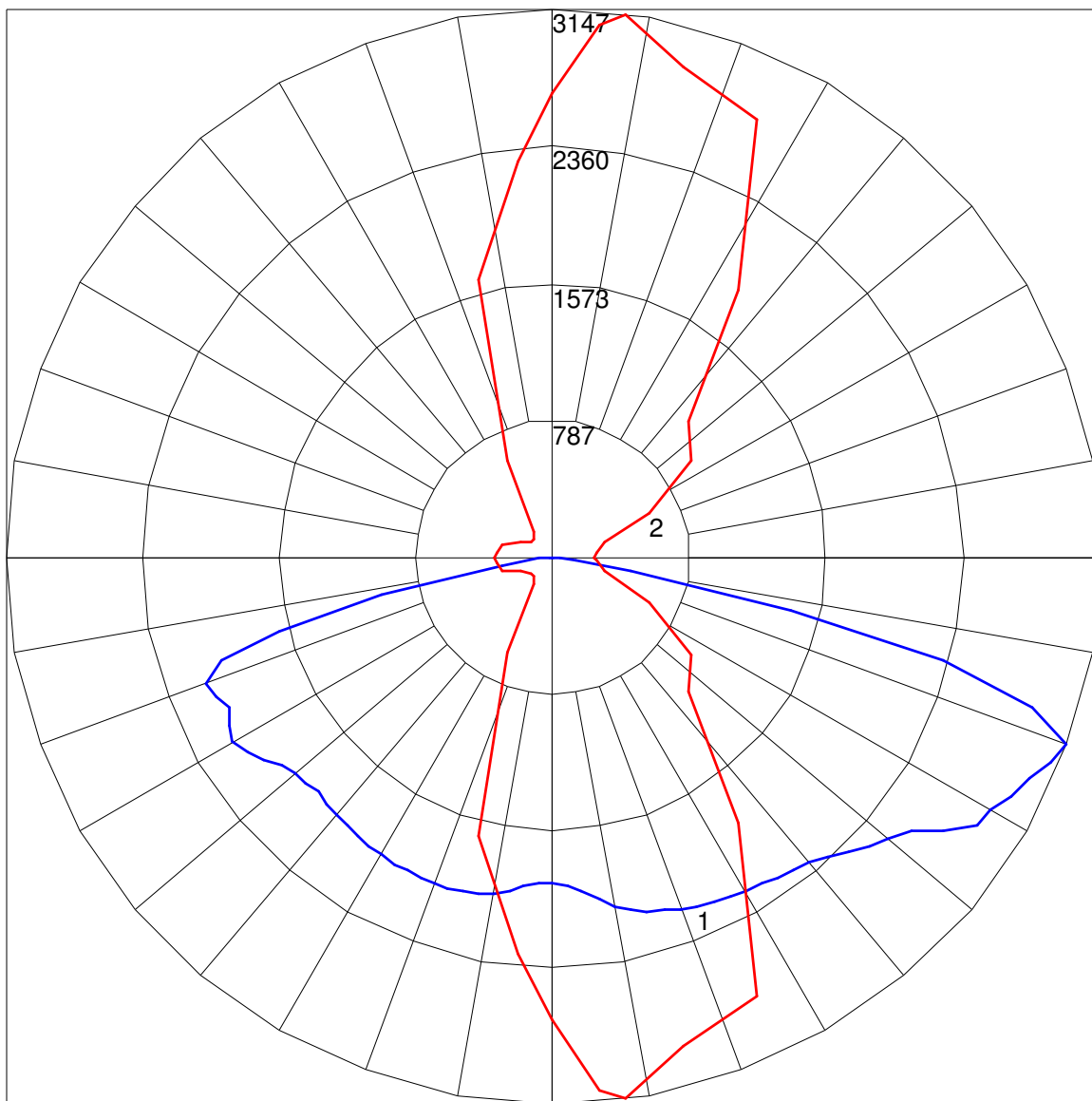
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

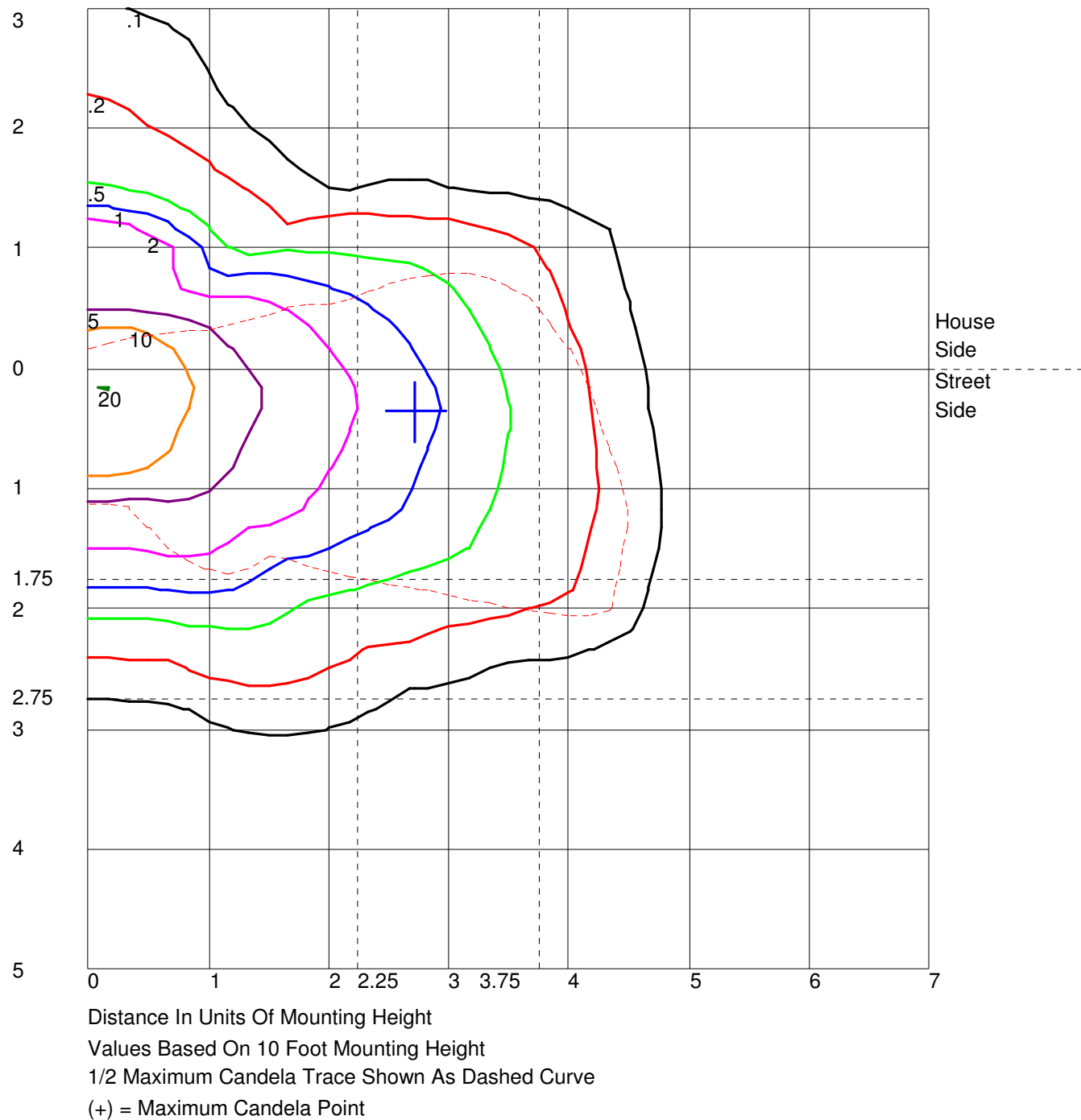
	Lumens	Percent Of Luminaire
Downward Street Side	5143.0	68.0
Downward House Side	2417.2	32.0
Downward Total	7560.2	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	7560.2	100.0

POLAR GRAPH

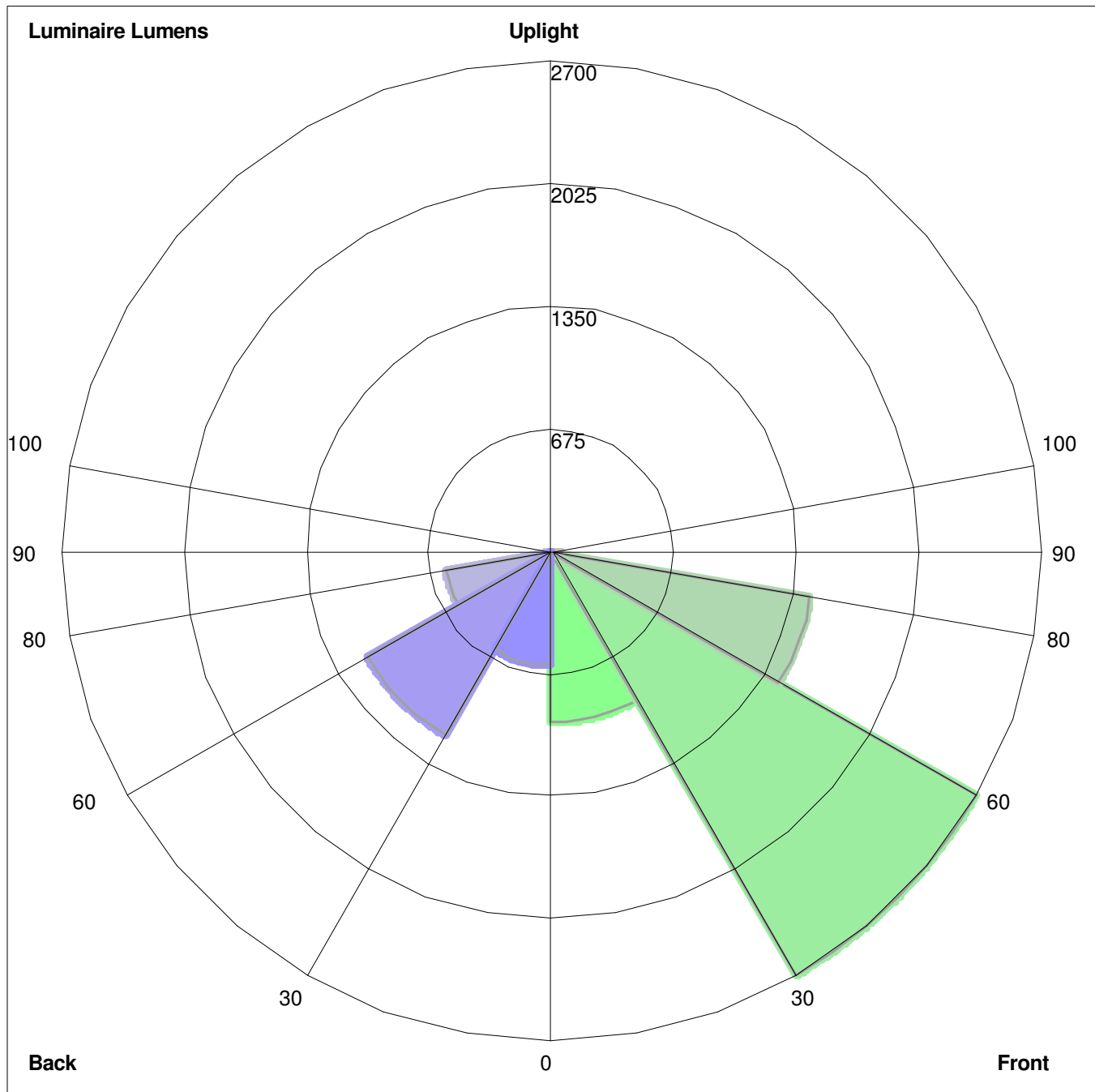


Maximum Candela = 3146.54 Located At Horizontal Angle = 82.5, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (82.5 - 262.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=946.8, Medium=2699.8, High=1448.8, Very High=47.6
Back: Low=626.5, Medium=1170.8, High=591.3, Very High=28.6
Uplight: Low=0.0, High=0.0

BUG Rating : B2-U0-G2