



IES ROAD REPORT

PHOTOMETRIC FILENAME : PGM VH 5 UV CP 840.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]
[ISSUE DATE] 2018-6-19 11:35
[MANUFAC] LumenFocus, LLC
[LUMCAT] PGM VH 5 UV CP 840
[LUMINAIRE] PGM VH 5 UV CP 840
[LAMPCAT]
[LAMP]
[TESTLAB] Shenzhen Belling Test Laboratory
[TESTINST] GPM-3000
[TESTDIST] 17.398 m
[TESTTEMPERATURE] 28.2 °C
[TESTHUMIDITY]
[TESTOPERATOR]
[BALLAST]
[BALLASTCAT]

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	12516.2 (1 lamp)
Total Lamp Lumens	12516.2
Luminaire Lumens	12516
Downward Total Efficiency	99 %
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	102.22
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Maximum Candela	2940.55
Maximum Candela Angle	270H 32V
Maximum Candela (<90 Degrees Vertical)	2940.55
Maximum Candela Angle (<90 Degrees Vertical)	270H 32V
Maximum Candela At 90 Degrees Vertical	138.2 (1.1% Lamp Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	815.96 (6.5% Lamp Lumens)
Cutoff Classification (deprecated)	Cutoff

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LUMINAIRE CLASSIFICATION SYSTEM (LCS)

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1072.6	8.6	8.6
FM - Front-Medium (30-60)	3114.9	24.9	24.9
FH - Front-High (60-80)	1871.1	14.9	14.9
FVH - Front-Very High (80-90)	182.7	1.5	1.5
BL - Back-Low (0-30)	1065.7	8.5	8.5
BM - Back-Medium (30-60)	3086.9	24.7	24.7
BH - Back-High (60-80)	1847.3	14.8	14.8
BVH - Back-Very High (80-90)	182.0	1.5	1.5
UL - Uplight-Low (90-100)	56.1	0.4	0.4
UH - Uplight-High (100-180)	36.8	0.3	0.3
Total	12516.1	100.1	100.0
BUG Rating	B3-U3-G2		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910
1	2199.490	2195.870	2194.390	2193.040	2195.360	2195.880	2198.390	2199.160	2199.380	2200.240
2	2208.260	2200.240	2193.570	2192.760	2194.280	2198.220	2202.720	2204.750	2205.790	2206.040
3	2217.520	2205.930	2195.100	2193.370	2195.030	2198.330	2201.610	2204.700	2207.490	2206.040
4	2217.350	2206.690	2200.690	2200.600	2196.640	2201.480	2201.510	2200.200	2203.710	2202.870
5	2212.200	2211.180	2202.770	2207.390	2204.310	2207.460	2201.120	2200.150	2199.110	2201.020
6	2209.400	2209.260	2202.880	2200.000	2209.190	2210.770	2196.960	2197.900	2192.860	2192.430
7	2209.140	2202.380	2202.330	2191.990	2205.390	2206.910	2194.170	2190.170	2194.400	2182.100
8	2217.460	2199.210	2195.220	2191.990	2202.650	2201.530	2195.590	2189.830	2199.320	2177.450
9	2229.630	2204.680	2188.810	2196.300	2209.410	2200.280	2196.960	2193.890	2204.260	2183.080
10	2227.870	2218.120	2191.170	2201.650	2213.910	2204.240	2197.560	2201.570	2194.770	2188.050
11	2222.010	2222.600	2200.580	2207.890	2217.030	2209.030	2202.330	2202.780	2169.790	2189.590
12	2201.350	2225.940	2209.010	2216.880	2215.950	2210.490	2215.410	2201.800	2150.560	2191.940
13	2198.180	2234.630	2218.310	2242.650	2219.600	2220.010	2234.630	2206.510	2156.200	2205.600
14	2210.720	2234.860	2238.120	2271.010	2238.160	2239.510	2255.910	2224.330	2176.920	2217.520
15	2241.520	2246.170	2274.960	2292.970	2276.240	2262.930	2271.730	2248.800	2206.610	2245.890
16	2271.990	2267.490	2310.970	2328.330	2322.480	2307.150	2302.500	2279.890	2252.100	2277.660
17	2311.650	2309.750	2353.450	2377.330	2372.900	2367.580	2337.140	2310.870	2314.010	2317.890
18	2344.970	2365.670	2397.120	2449.390	2448.740	2447.020	2380.610	2362.760	2378.450	2364.970
19	2430.060	2405.360	2433.470	2548.930	2536.710	2527.590	2424.890	2418.580	2410.840	2413.950
20	2455.820	2443.910	2476.270	2628.050	2650.640	2575.460	2462.210	2465.630	2493.140	2457.740
21	2573.030	2493.440	2520.100	2696.920	2743.910	2597.140	2515.650	2508.300	2609.520	2501.690
22	2669.200	2534.270	2572.930	2753.140	2771.160	2631.970	2556.150	2554.640	2650.900	2548.600
23	2705.750	2586.370	2623.600	2792.700	2788.860	2683.860	2598.780	2621.880	2682.840	2610.750
24	2741.360	2634.860	2670.670	2821.780	2809.670	2742.480	2622.330	2683.570	2732.100	2662.960
25	2800.260	2681.330	2695.420	2848.090	2843.730	2791.650	2635.070	2714.280	2766.300	2699.970
26	2816.320	2744.580	2703.300	2863.880	2853.390	2833.230	2654.180	2742.960	2753.970	2739.660
27	2789.530	2795.150	2726.010	2859.250	2831.720	2866.910	2697.100	2757.440	2735.330	2778.090
28	2788.970	2810.680	2764.100	2853.390	2843.790	2890.880	2736.230	2773.560	2752.480	2790.070
29	2824.870	2816.800	2801.600	2850.260	2875.270	2900.600	2761.630	2797.580	2795.780	2794.280
30	2873.310	2827.080	2816.540	2855.880	2874.250	2878.650	2779.530	2803.610	2814.630	2800.460
31	2876.110	2845.070	2825.850	2860.410	2857.840	2860.010	2806.190	2808.220	2790.960	2809.040
32	2828.100	2857.970	2821.130	2860.070	2863.370	2858.100	2824.030	2811.960	2742.510	2813.960
33	2782.460	2862.120	2838.760	2842.470	2873.020	2854.520	2839.740	2816.340	2719.660	2821.990
34	2773.640	2869.890	2863.060	2825.030	2871.140	2840.290	2851.880	2808.220	2727.940	2826.690
35	2801.140	2876.660	2870.280	2831.440	2855.480	2837.620	2846.900	2788.760	2753.410	2826.530
36	2828.870	2849.050	2861.250	2837.780	2848.990	2839.910	2842.200	2778.880	2742.190	2801.220
37	2805.360	2810.890	2855.670	2839.500	2846.580	2828.010	2846.470	2771.370	2699.720	2770.280
38	2761.360	2796.620	2855.180	2818.960	2826.890	2824.800	2853.200	2766.160	2661.960	2753.550
39	2713.690	2793.020	2838.210	2792.480	2801.790	2839.360	2847.460	2750.310	2645.090	2738.350
40	2697.420	2787.500	2826.610	2777.250	2777.010	2847.570	2833.660	2724.700	2652.810	2718.340
41	2704.920	2766.340	2830.600	2767.650	2767.300	2832.190	2835.690	2701.010	2650.180	2687.070
42	2706.950	2724.510	2828.690	2747.070	2767.140	2795.570	2837.990	2682.250	2629.090	2656.190
43	2684.750	2701.500	2820.480	2703.420	2757.540	2780.410	2839.350	2657.030	2603.660	2639.190
44	2655.610	2685.870	2800.170	2678.270	2743.430	2781.990	2827.150	2647.980	2575.820	2635.740
45	2620.100	2674.720	2776.810	2696.360	2725.300	2768.840	2802.350	2641.950	2560.920	2640.050
46	2612.870	2662.580	2770.290	2723.950	2717.040	2725.040	2772.520	2639.530	2580.210	2652.240
47	2633.250	2655.150	2765.970	2736.980	2719.510	2697.660	2753.420	2613.530	2613.250	2647.540
48	2656.490	2640.600	2746.370	2718.210	2714.410	2698.530	2728.780	2588.860	2634.790	2622.510
49	2678.950	2615.460	2724.750	2679.210	2712.480	2710.050	2711.270	2573.180	2630.130	2593.590
50	2663.280	2601.950	2695.250	2671.970	2712.320	2698.470	2688.830	2574.160	2606.120	2589.160
51	2627.390	2609.380	2689.010	2658.070	2684.640	2672.720	2675.250	2572.900	2571.830	2590.860
52	2596.540	2606.880	2673.680	2642.790	2665.710	2658.970	2654.290	2567.750	2549.960	2592.010

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CANDELA TABULATION - (Cont.)

53	2576.150	2608.730	2658.580	2616.420	2656.700	2639.200	2625.720	2586.390	2539.280	2593.420
54	2567.220	2608.410	2633.180	2589.160	2649.080	2634.080	2600.050	2575.040	2542.020	2597.030
55	2577.250	2601.570	2610.420	2561.240	2633.630	2612.570	2583.730	2537.580	2561.190	2573.740
56	2594.620	2564.670	2594.930	2536.290	2590.620	2586.330	2578.920	2501.550	2545.250	2538.640
57	2584.100	2539.470	2569.320	2520.690	2550.760	2557.260	2559.210	2481.100	2527.880	2523.010
58	2558.020	2528.480	2547.690	2487.410	2503.020	2534.060	2543.720	2470.240	2455.930	2506.880
59	2479.390	2520.940	2550.980	2482.670	2474.060	2504.010	2548.260	2481.870	2427.440	2520.710
60	2428.370	2520.060	2542.710	2444.530	2451.000	2486.900	2558.010	2442.550	2368.370	2505.900
61	2375.110	2488.350	2534.720	2421.250	2387.540	2450.980	2569.230	2450.170	2347.110	2466.590
62	2359.660	2453.850	2543.370	2355.650	2357.450	2415.070	2592.830	2414.850	2296.590	2443.300
63	2307.220	2426.470	2552.620	2298.990	2304.460	2365.190	2611.380	2386.280	2276.420	2391.480
64	2287.540	2390.710	2578.450	2243.920	2267.500	2321.500	2623.200	2331.110	2250.010	2331.020
65	2275.770	2313.420	2593.230	2237.460	2247.280	2266.460	2636.390	2261.300	2242.180	2265.900
66	2321.360	2270.110	2551.580	2247.610	2268.360	2257.980	2555.820	2276.710	2288.310	2257.480
67	2292.810	2260.650	2466.140	2173.010	2246.150	2276.560	2455.100	2215.230	2224.650	2200.630
68	2260.420	2200.030	2348.300	2133.010	2222.820	2224.350	2359.860	2180.460	2235.600	2173.620
69	2211.930	2178.110	2228.720	2084.620	2088.670	2181.050	2248.090	2166.590	2101.630	2135.740
70	2083.920	2144.760	2055.870	1954.850	1992.340	2081.830	2067.400	2049.120	1953.240	2068.880
71	1963.430	2064.010	1926.420	1813.590	1874.980	1923.500	1889.950	1908.340	1853.950	1924.330
72	1839.590	1955.830	1782.150	1720.900	1753.160	1796.140	1790.870	1751.440	1646.490	1784.870
73	1611.910	1763.110	1728.180	1492.750	1586.560	1658.730	1757.760	1579.630	1416.080	1583.970
74	1409.010	1529.680	1614.990	1344.760	1374.640	1475.080	1634.050	1375.790	1333.440	1405.910
75	1350.320	1329.820	1456.110	1252.840	1285.710	1313.050	1451.840	1246.260	1244.350	1247.540
76	1237.560	1251.370	1290.270	1131.840	1194.040	1242.530	1291.180	1182.300	1098.320	1202.710
77	1092.450	1191.500	1116.600	1010.950	1075.710	1122.660	1134.740	1049.430	880.290	1089.760
78	848.560	1044.770	955.470	828.860	864.650	998.620	982.470	856.340	793.880	875.300
79	753.710	837.530	850.710	721.320	744.820	819.860	845.520	750.380	707.570	767.820
80	680.390	736.660	767.890	636.460	677.660	709.990	789.580	672.180	637.050	673.900
81	591.790	621.640	700.300	561.140	609.490	613.220	717.100	593.480	553.440	593.860
82	459.240	535.420	634.680	481.970	520.400	540.360	639.060	506.070	390.360	516.240
83	355.350	406.300	527.340	348.000	373.590	461.900	538.380	375.170	326.040	373.160
84	321.870	334.400	395.220	303.420	311.210	343.940	412.440	313.640	297.430	312.980
85	289.760	288.700	304.480	255.640	281.060	285.090	312.160	272.780	264.610	272.630
86	249.920	251.810	249.140	221.470	248.130	246.520	255.340	244.090	234.030	242.510
87	220.990	220.750	216.080	187.110	211.710	214.890	213.090	210.810	203.070	209.160
88	191.940	189.530	176.730	149.580	180.330	183.330	179.530	177.180	177.480	177.400
89	168.770	158.380	132.950	117.970	145.730	145.400	140.950	144.010	139.510	145.580
90	131.400	130.710	107.390	94.840	111.190	112.800	109.690	123.560	117.430	123.550
91	113.920	112.240	89.260	74.320	92.200	88.890	87.740	105.020	98.310	102.120
92	89.810	80.580	71.370	61.300	67.320	68.620	71.320	75.030	75.340	75.000
93	66.360	59.090	61.130	50.260	55.350	55.100	59.770	58.950	58.030	61.290
94	61.260	57.890	56.270	39.070	45.430	47.760	56.540	57.140	56.280	63.900
95	52.830	46.030	47.070	33.610	32.930	37.930	43.900	43.490	44.660	55.490
96	45.640	39.360	41.380	25.270	23.390	31.030	37.280	30.710	34.850	44.170
97	35.560	30.500	30.650	18.810	18.670	20.870	24.520	23.910	28.770	35.370
98	26.800	23.010	20.360	15.780	10.830	16.960	17.950	19.140	22.410	27.710
99	20.980	19.350	17.130	14.120	8.470	14.830	14.840	12.390	15.830	18.590
100	18.570	14.600	13.080	12.090	8.420	13.040	12.920	10.970	12.050	16.510
101	14.140	9.300	11.390	10.430	8.210	12.000	10.730	9.870	11.450	14.430
102	9.640	9.130	7.660	8.280	5.420	10.550	9.140	10.750	11.240	12.190
103	8.880	8.860	9.140	9.160	6.540	10.920	9.140	10.040	9.810	11.860
104	9.090	8.090	9.030	8.660	7.830	10.110	9.630	10.580	10.630	10.060
105	8.650	8.030	8.270	6.950	7.350	8.370	9.140	9.650	9.860	10.660
106	7.840	5.900	8.150	7.010	7.460	9.510	8.980	8.880	10.030	8.630
107	8.160	5.250	6.230	6.730	6.330	8.530	9.420	9.440	9.590	9.180
108	6.740	7.710	7.500	6.020	6.920	8.530	8.700	7.400	8.990	9.410

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CANDELA TABULATION - (Cont.)

109	7.070	6.940	8.430	7.500	6.920	9.510	8.980	9.260	8.550	8.860
110	7.400	5.850	7.010	6.560	6.280	8.210	8.210	6.690	9.370	8.530
111	7.560	6.060	6.230	6.560	6.870	8.800	8.480	9.320	8.930	7.930
112	7.180	6.670	7.550	6.680	6.060	8.640	7.830	9.100	8.930	8.580
113	7.230	6.780	7.340	6.290	6.110	8.370	7.010	8.500	7.950	8.910
114	6.580	6.610	6.570	6.790	5.520	5.490	7.880	8.880	5.420	9.180
115	6.960	6.670	6.350	5.900	6.170	7.660	6.790	8.330	8.330	8.470
116	6.520	7.380	6.950	5.900	6.490	7.660	7.940	9.100	8.600	7.710
117	6.840	7.430	6.840	6.400	6.170	8.210	7.880	7.950	7.230	7.770
118	5.420	6.500	7.010	5.790	5.850	7.770	6.900	7.890	8.710	7.770
119	6.790	6.670	6.670	6.620	5.950	7.010	5.030	7.730	8.000	6.730
120	7.670	5.690	6.670	5.790	6.490	6.960	6.950	6.750	8.270	7.540
121	5.420	7.050	4.490	4.200	5.900	6.900	6.460	8.060	7.560	7.650
122	7.350	3.880	6.070	5.790	4.990	7.060	6.950	8.010	7.890	7.540
123	4.990	7.000	7.170	6.510	5.580	6.850	7.500	8.880	8.220	7.170
124	6.520	6.450	5.740	5.740	5.470	6.790	6.840	7.290	8.160	7.380
125	6.420	6.450	7.340	4.300	5.040	6.250	7.390	8.660	8.000	6.340
126	6.680	5.460	6.510	6.070	6.170	6.850	7.060	8.060	8.160	7.710
127	6.910	4.480	5.310	5.900	5.040	6.520	6.350	7.840	7.840	7.600
128	6.240	5.300	5.470	6.120	5.470	6.690	6.900	7.350	7.400	6.010
129	6.140	6.670	6.950	6.020	5.580	6.900	6.670	7.680	7.400	7.170
130	5.640	5.800	7.010	5.680	5.200	5.540	6.240	7.680	7.720	7.100
131	6.030	6.230	6.790	5.130	6.170	6.850	5.260	6.360	7.840	7.100
132	6.420	5.020	6.350	6.230	5.790	5.540	4.820	7.450	7.280	6.780
133	6.300	6.230	7.440	5.960	5.260	6.250	6.790	6.420	6.740	5.140
134	6.350	4.260	7.170	4.860	5.040	6.190	5.420	6.800	7.450	5.960
135	5.420	6.400	5.690	5.740	4.770	5.810	7.170	7.130	7.280	6.890
136	5.260	6.780	6.670	5.900	5.260	5.980	6.240	6.850	6.960	7.170
137	6.240	6.670	5.810	3.200	4.130	6.570	5.750	6.080	7.400	6.830
138	6.790	3.500	7.440	6.290	4.930	5.540	6.240	7.240	7.280	6.010
139	6.470	6.130	7.440	6.350	4.080	6.410	6.300	6.520	6.910	6.180
140	6.680	6.730	7.010	5.960	5.630	6.190	5.530	7.020	6.470	6.230
141	6.350	6.340	6.180	6.230	5.150	6.250	6.070	7.510	6.960	6.400
142	6.790	6.340	7.060	6.620	5.310	7.120	6.130	8.010	6.740	6.830
143	6.790	6.340	7.220	4.460	5.040	6.900	6.790	7.510	7.230	6.400
144	6.840	6.340	7.830	6.070	5.360	6.620	5.910	8.120	6.630	6.730
145	5.040	7.050	6.950	6.510	5.260	6.360	5.860	7.630	6.840	6.010
146	5.860	4.760	7.610	4.910	5.310	6.520	6.740	7.510	7.230	7.220
147	6.680	5.900	7.390	6.730	4.080	7.010	6.510	7.240	6.630	7.220
148	7.180	6.010	6.670	5.850	5.150	7.220	6.070	7.450	7.180	7.330
149	6.470	6.010	7.660	6.680	4.510	6.850	6.950	6.470	6.520	6.450
150	7.180	6.130	6.670	6.400	5.260	5.870	6.410	5.980	5.980	5.960
151	7.020	7.000	7.660	6.510	5.040	7.170	6.570	7.080	7.350	7.220
152	6.680	4.970	4.700	6.560	4.720	6.790	6.670	7.790	7.620	7.000
153	5.480	6.610	6.070	5.790	5.470	6.410	6.840	7.730	7.950	7.100
154	6.840	6.780	7.390	7.840	5.200	6.740	6.950	6.580	7.560	7.650
155	6.840	4.970	7.830	6.460	5.310	6.850	7.060	6.800	6.960	6.730
156	7.230	6.610	5.910	7.170	3.970	6.690	6.300	7.790	6.740	4.810
157	5.980	7.170	7.340	6.460	5.360	6.690	6.070	7.130	7.020	6.400
158	7.400	6.830	7.220	5.790	4.930	6.960	6.240	6.800	6.580	6.340
159	6.470	6.830	7.610	6.620	5.360	7.220	6.180	7.450	7.400	7.050
160	5.980	7.380	7.660	6.730	5.690	5.270	4.870	7.240	7.180	6.890
161	6.910	6.560	7.990	6.020	5.150	6.790	6.620	7.130	7.020	6.890
162	6.680	6.890	7.660	6.620	5.260	5.760	6.460	7.730	6.630	7.000
163	7.020	6.940	6.950	6.510	4.720	7.010	6.300	7.510	7.350	6.340
164	6.840	6.180	6.570	4.360	4.510	5.330	7.220	6.080	7.350	7.490

IES ROAD REPORT
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CANDELA TABULATION - (Cont.)

165	6.630	6.340	7.390	6.070	4.720	3.700	6.020	6.750	6.520	7.050
166	7.070	7.270	5.860	6.730	5.420	5.980	6.410	7.840	6.580	5.740
167	6.520	6.670	8.100	4.580	5.100	6.030	6.350	7.790	7.450	7.930
168	6.740	6.670	7.610	5.960	4.990	5.980	6.350	6.640	7.020	4.700
169	6.680	6.230	6.410	6.620	5.200	6.740	6.570	7.190	7.510	6.940
170	7.510	6.560	7.660	7.010	5.040	6.460	5.970	6.200	7.120	6.780
171	7.280	7.380	6.620	6.230	4.560	5.700	6.790	7.510	6.520	6.670
172	5.910	5.740	7.660	6.790	4.610	6.960	6.130	6.520	6.030	6.940
173	6.910	6.560	5.970	5.740	4.130	6.190	5.970	6.640	6.470	6.450
174	6.680	6.290	7.780	4.860	4.880	6.960	5.090	7.130	6.580	6.400
175	7.120	5.850	6.900	6.510	4.080	6.410	6.130	7.190	6.140	6.180
176	6.790	5.850	7.440	5.510	3.810	6.570	4.050	6.800	4.660	5.630
177	6.580	5.960	6.350	3.590	4.830	6.090	4.540	5.540	5.860	6.610
178	6.470	5.250	7.060	6.350	4.880	5.760	5.810	6.310	5.420	6.450
179	6.420	6.500	6.950	6.070	4.450	5.270	5.750	6.250	6.520	6.610
180	5.819	5.819	5.819	5.819	5.819	5.819	5.819	5.819	5.819	5.819

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910	2196.910
1	2202.770	2202.480	2200.880	2200.930	2198.830	2200.870	2199.490
2	2207.580	2206.460	2204.580	2201.690	2197.190	2205.790	2208.260
3	2207.470	2209.100	2210.050	2203.110	2198.390	2212.980	2217.520
4	2203.590	2210.200	2217.130	2207.560	2204.360	2217.040	2217.350
5	2206.710	2218.530	2224.430	2217.940	2209.180	2217.920	2212.200
6	2200.750	2218.590	2222.390	2219.020	2211.910	2213.260	2209.400
7	2192.860	2211.580	2216.060	2211.090	2209.940	2204.420	2209.140
8	2192.700	2203.310	2213.430	2205.940	2215.300	2204.150	2217.460
9	2191.880	2199.000	2213.650	2211.040	2214.530	2211.290	2229.630
10	2192.370	2198.390	2220.350	2216.910	2210.920	2222.360	2227.870
11	2197.020	2203.690	2226.470	2226.740	2214.260	2232.010	2222.010
12	2211.800	2216.500	2235.370	2241.090	2233.310	2236.230	2201.350
13	2227.560	2234.870	2251.620	2274.940	2259.150	2244.900	2198.180
14	2242.730	2259.540	2289.970	2300.310	2278.690	2262.890	2210.720
15	2278.460	2279.060	2346.290	2321.990	2316.720	2282.190	2241.520
16	2316.230	2317.190	2413.020	2361.110	2356.800	2310.270	2271.990
17	2355.700	2369.220	2493.910	2400.610	2393.900	2343.780	2311.650
18	2396.190	2438.580	2586.590	2466.410	2429.980	2384.520	2344.970
19	2439.220	2510.700	2667.590	2552.690	2457.900	2421.040	2430.060
20	2489.670	2575.970	2776.850	2616.860	2502.230	2466.180	2455.820
21	2519.500	2628.000	2799.050	2674.350	2549.690	2510.330	2573.030
22	2564.500	2686.600	2835.420	2723.580	2580.670	2553.100	2669.200
23	2602.870	2735.810	2860.360	2765.580	2622.380	2614.300	2705.750
24	2648.230	2789.500	2871.790	2807.580	2661.400	2683.570	2741.360
25	2665.090	2835.460	2861.860	2850.340	2676.680	2734.520	2800.260
26	2680.860	2874.470	2867.980	2877.730	2693.150	2768.510	2816.320
27	2703.960	2900.850	2902.680	2891.570	2719.810	2794.790	2789.530
28	2741.120	2903.000	2915.070	2901.200	2764.310	2815.630	2788.970
29	2782.880	2900.850	2904.240	2898.580	2797.320	2828.950	2824.870
30	2816.490	2891.970	2903.590	2892.230	2830.870	2848.970	2873.310
31	2816.380	2888.540	2917.860	2896.630	2840.620	2860.760	2876.110
32	2834.110	2898.750	2940.550	2898.260	2874.440	2869.920	2828.100
33	2859.890	2891.360	2928.430	2883.870	2902.570	2884.070	2782.460
34	2879.920	2857.310	2898.070	2858.700	2920.310	2891.420	2773.640
35	2877.460	2843.960	2879.670	2856.590	2924.690	2892.180	2801.140

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CANDELA TABULATION - (Cont.)

36	2859.940	2852.340	2865.350	2858.930	2916.920	2871.510	2828.870
37	2859.510	2848.090	2851.670	2852.950	2917.200	2848.150	2805.360
38	2850.640	2822.550	2827.960	2833.060	2915.440	2832.080	2761.360
39	2836.080	2811.300	2796.690	2830.940	2906.900	2821.930	2713.690
40	2837.660	2823.930	2783.870	2833.330	2903.400	2805.150	2697.420
41	2850.910	2819.800	2773.200	2822.310	2917.570	2775.320	2704.920
42	2846.200	2799.100	2763.060	2811.550	2924.140	2746.960	2706.950
43	2831.920	2766.210	2745.360	2796.060	2901.590	2728.540	2684.750
44	2810.680	2743.260	2726.160	2772.260	2876.360	2711.040	2655.610
45	2791.690	2745.200	2725.350	2756.230	2850.140	2700.070	2620.100
46	2781.070	2747.460	2727.180	2738.960	2833.060	2701.990	2612.870
47	2762.360	2744.100	2697.570	2740.420	2825.510	2698.760	2633.250
48	2737.070	2741.390	2687.270	2744.870	2796.550	2683.080	2656.490
49	2715.010	2716.180	2660.830	2724.070	2763.490	2652.640	2678.950
50	2695.030	2684.950	2625.160	2696.350	2730.980	2626.320	2663.280
51	2683.540	2667.450	2623.230	2672.610	2722.000	2629.000	2627.390
52	2663.450	2641.460	2608.260	2653.270	2713.840	2618.310	2596.540
53	2646.270	2635.610	2608.260	2633.000	2690.580	2629.220	2576.150
54	2615.720	2627.670	2580.910	2624.860	2670.430	2638.380	2567.220
55	2604.290	2603.510	2549.370	2600.290	2644.100	2614.530	2577.250
56	2576.810	2577.510	2526.090	2580.350	2622.980	2578.660	2594.620
57	2551.800	2526.040	2489.400	2537.810	2598.730	2561.280	2584.100
58	2525.030	2499.170	2449.870	2503.910	2581.390	2541.100	2558.020
59	2516.990	2479.850	2412.910	2477.440	2574.380	2534.560	2479.390
60	2529.850	2466.500	2351.760	2453.700	2578.590	2528.920	2428.370
61	2523.610	2412.530	2317.010	2423.050	2586.370	2487.790	2375.110
62	2524.980	2364.090	2272.430	2382.080	2578.430	2472.050	2359.660
63	2547.810	2303.070	2232.310	2340.960	2596.100	2430.650	2307.220
64	2576.100	2245.070	2222.170	2271.020	2613.460	2375.970	2287.540
65	2582.660	2201.160	2231.080	2224.080	2617.120	2322.550	2275.770
66	2534.170	2222.840	2206.510	2253.590	2574.810	2291.400	2321.360
67	2417.760	2206.460	2169.390	2225.220	2445.470	2259.920	2292.810
68	2296.690	2151.720	2073.810	2165.880	2360.740	2254.230	2260.420
69	2200.310	2105.530	1960.800	2127.740	2245.680	2181.120	2211.930
70	2021.880	2016.310	1827.930	2007.780	2070.520	2170.810	2083.920
71	1888.820	1863.090	1711.750	1866.010	1911.400	2032.510	1963.430
72	1745.100	1762.560	1530.190	1732.780	1758.140	1887.180	1839.590
73	1695.560	1610.440	1374.690	1561.250	1727.330	1697.700	1611.910
74	1591.130	1405.290	1272.620	1390.260	1672.810	1510.250	1409.010
75	1422.930	1265.580	1180.680	1266.430	1478.220	1350.560	1350.320
76	1275.050	1200.640	1048.140	1189.980	1316.260	1290.340	1237.560
77	1096.520	1089.520	861.910	1071.650	1159.100	1159.000	1092.450
78	939.000	953.670	731.460	907.330	992.100	998.810	848.560
79	845.460	761.770	638.450	759.000	875.240	825.460	753.710
80	750.220	672.160	569.050	643.590	815.960	713.750	680.390
81	692.800	589.560	477.160	557.090	732.380	622.660	591.790
82	609.280	509.670	345.540	481.300	629.310	522.790	459.240
83	509.720	385.240	307.400	366.440	516.170	378.290	355.350
84	390.630	324.160	282.460	313.890	393.170	339.190	321.870
85	302.780	284.100	245.930	268.570	307.730	298.720	289.760
86	250.510	245.590	215.300	234.670	256.220	258.790	249.920
87	215.920	213.810	187.410	208.050	218.780	226.110	220.990
88	180.020	188.320	164.670	171.430	179.040	196.880	191.940
89	142.190	158.080	130.180	142.900	140.720	164.690	168.770
90	111.650	131.760	114.360	123.280	114.560	138.200	131.400
91	95.720	118.410	93.710	99.810	96.450	117.790	113.920

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CANDELA TABULATION - (Cont.)

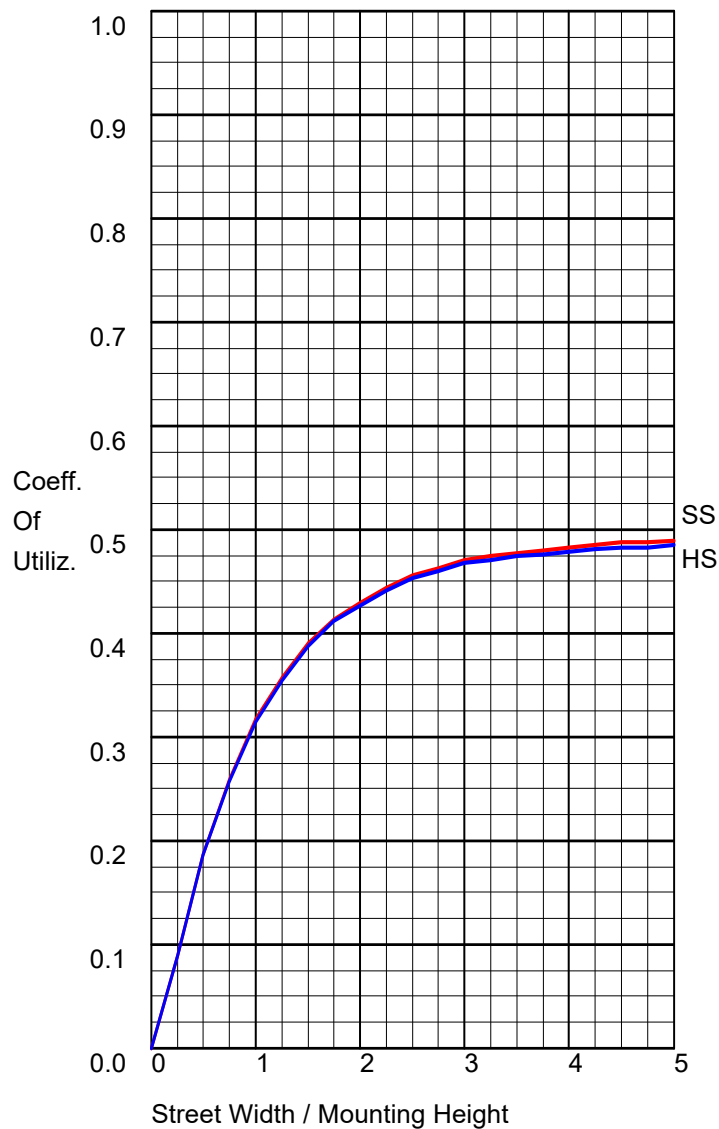
92	77.170	91.970	70.480	72.480	75.860	83.310	89.810
93	62.780	66.990	61.580	60.040	62.570	63.120	66.360
94	63.330	65.050	57.660	61.620	60.600	65.860	61.260
95	53.040	58.380	45.540	49.330	52.540	55.890	52.830
96	47.840	48.060	37.550	40.530	46.800	50.900	45.640
97	34.370	37.140	27.460	31.400	34.210	38.120	35.560
98	25.340	30.460	21.350	23.310	23.920	31.420	26.800
99	18.780	22.400	18.020	20.590	16.310	23.530	20.980
100	15.000	18.870	13.410	12.820	12.040	18.860	18.570
101	12.200	13.070	7.940	10.760	9.140	12.780	14.140
102	10.890	12.140	6.920	7.560	7.500	10.090	9.640
103	10.790	11.090	7.720	9.510	7.010	9.160	8.880
104	10.560	9.820	6.870	8.960	7.170	8.940	9.090
105	10.890	9.930	6.540	7.330	7.440	7.950	8.650
106	9.740	9.710	6.440	7.560	7.170	7.290	7.840
107	10.890	8.380	5.470	8.150	7.060	7.450	8.160
108	9.960	9.100	4.450	6.090	6.900	7.840	6.740
109	9.470	9.490	5.790	6.030	6.180	7.730	7.070
110	9.800	9.220	5.790	7.610	6.670	7.450	7.400
111	10.290	8.990	5.690	7.500	6.620	6.640	7.560
112	9.310	9.160	5.790	7.450	6.840	6.960	7.180
113	8.150	8.830	6.060	6.300	5.810	6.030	7.230
114	7.940	8.550	6.060	5.590	5.810	6.250	6.580
115	7.710	8.380	5.580	6.300	6.020	5.640	6.960
116	8.980	8.770	5.260	7.500	6.950	6.310	6.520
117	8.590	8.170	5.630	6.570	4.870	7.020	6.840
118	8.270	8.170	5.100	7.280	6.020	7.240	5.420
119	8.870	6.560	4.560	6.410	3.890	7.190	6.790
120	7.610	8.000	5.360	6.690	6.240	6.030	7.670
121	8.150	7.780	4.990	6.740	6.130	7.240	5.420
122	7.990	7.610	4.340	6.300	5.910	7.190	7.350
123	6.070	5.680	4.770	5.760	5.970	5.760	4.990
124	7.220	7.840	5.740	6.250	5.970	7.240	6.520
125	8.040	7.120	4.560	6.900	5.200	6.080	6.420
126	8.270	7.670	5.040	6.250	5.580	6.420	6.680
127	7.340	7.670	5.150	6.410	6.070	6.250	6.910
128	6.790	8.450	4.720	6.900	5.370	6.850	6.240
129	7.390	7.170	5.040	6.190	5.370	5.760	6.140
130	8.040	7.330	5.200	5.700	5.420	7.020	5.640
131	6.900	6.730	5.420	6.410	5.580	6.420	6.030
132	6.620	7.070	4.770	6.090	5.810	6.580	6.420
133	8.320	6.620	3.920	6.900	5.630	5.270	6.300
134	7.280	6.790	5.790	6.460	5.530	6.360	6.350
135	7.660	7.400	4.720	6.460	5.810	6.360	5.420
136	7.170	7.230	5.200	6.740	5.530	6.580	5.260
137	7.340	6.070	5.200	4.730	5.750	6.080	6.240
138	6.570	5.410	5.520	6.190	5.580	6.200	6.790
139	7.500	7.120	4.930	5.050	6.020	7.570	6.470
140	8.210	6.400	4.830	6.570	4.600	6.140	6.680
141	6.730	5.350	4.770	6.570	6.070	5.760	6.350
142	6.410	7.120	5.150	6.740	6.410	6.910	6.790
143	7.340	6.890	3.330	6.740	6.240	6.750	6.790
144	7.220	7.230	5.420	4.940	6.840	7.400	6.840
145	7.110	6.950	5.790	4.730	5.370	6.750	5.040
146	7.660	7.330	6.060	6.520	6.020	7.350	5.860
147	7.500	6.730	5.200	6.520	6.070	7.190	6.680

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CANDELA TABULATION - (Cont.)

148	6.510	7.840	6.110	6.360	6.240	7.350	7.180
149	7.550	7.330	4.610	6.360	6.070	5.540	6.470
150	7.060	7.500	5.950	7.560	5.580	7.570	7.180
151	6.570	6.510	5.900	6.690	6.020	6.800	7.020
152	6.020	7.070	4.670	6.520	7.010	7.080	6.680
153	7.610	6.890	5.630	5.930	6.570	7.240	5.480
154	7.880	6.890	6.600	6.360	5.970	7.130	6.840
155	7.780	6.510	5.900	5.220	5.530	7.730	6.840
156	6.230	7.070	5.790	5.270	6.510	7.190	7.230
157	6.730	6.840	5.740	6.090	5.580	7.080	5.980
158	7.940	5.960	5.520	6.690	6.620	7.130	7.400
159	6.670	7.010	5.470	5.980	6.410	6.800	6.470
160	7.610	7.070	5.580	6.520	5.470	7.450	5.980
161	7.280	6.680	5.520	6.790	6.300	6.910	6.910
162	7.440	6.400	5.580	7.380	5.090	7.400	6.680
163	7.390	7.400	5.040	6.620	5.750	7.510	7.020
164	7.390	6.890	5.690	7.010	5.910	7.290	6.840
165	6.350	6.460	5.470	6.850	6.620	7.290	6.630
166	7.170	7.230	5.150	6.620	6.070	7.190	7.070
167	6.570	7.400	4.400	6.570	7.010	6.910	6.520
168	7.780	7.070	6.060	5.220	6.620	7.020	6.740
169	8.040	5.180	4.340	7.610	6.790	7.400	6.680
170	7.060	7.230	5.260	6.250	6.020	7.570	7.510
171	7.780	6.510	6.060	6.690	6.670	7.350	7.280
172	7.440	7.170	5.420	7.060	6.410	7.190	5.910
173	7.220	6.560	5.740	7.120	6.460	7.190	6.910
174	6.730	6.840	5.420	6.410	5.090	6.640	6.680
175	6.790	6.510	5.200	6.740	6.410	7.080	7.120
176	7.060	6.070	4.510	6.620	5.750	6.580	6.790
177	6.790	6.510	4.830	5.980	5.580	6.420	6.580
178	7.390	5.630	4.830	6.190	6.410	6.960	6.470
179	6.410	6.560	3.270	6.460	4.700	6.850	6.420
180	5.819	5.819	5.819	5.819	5.819	5.819	5.819

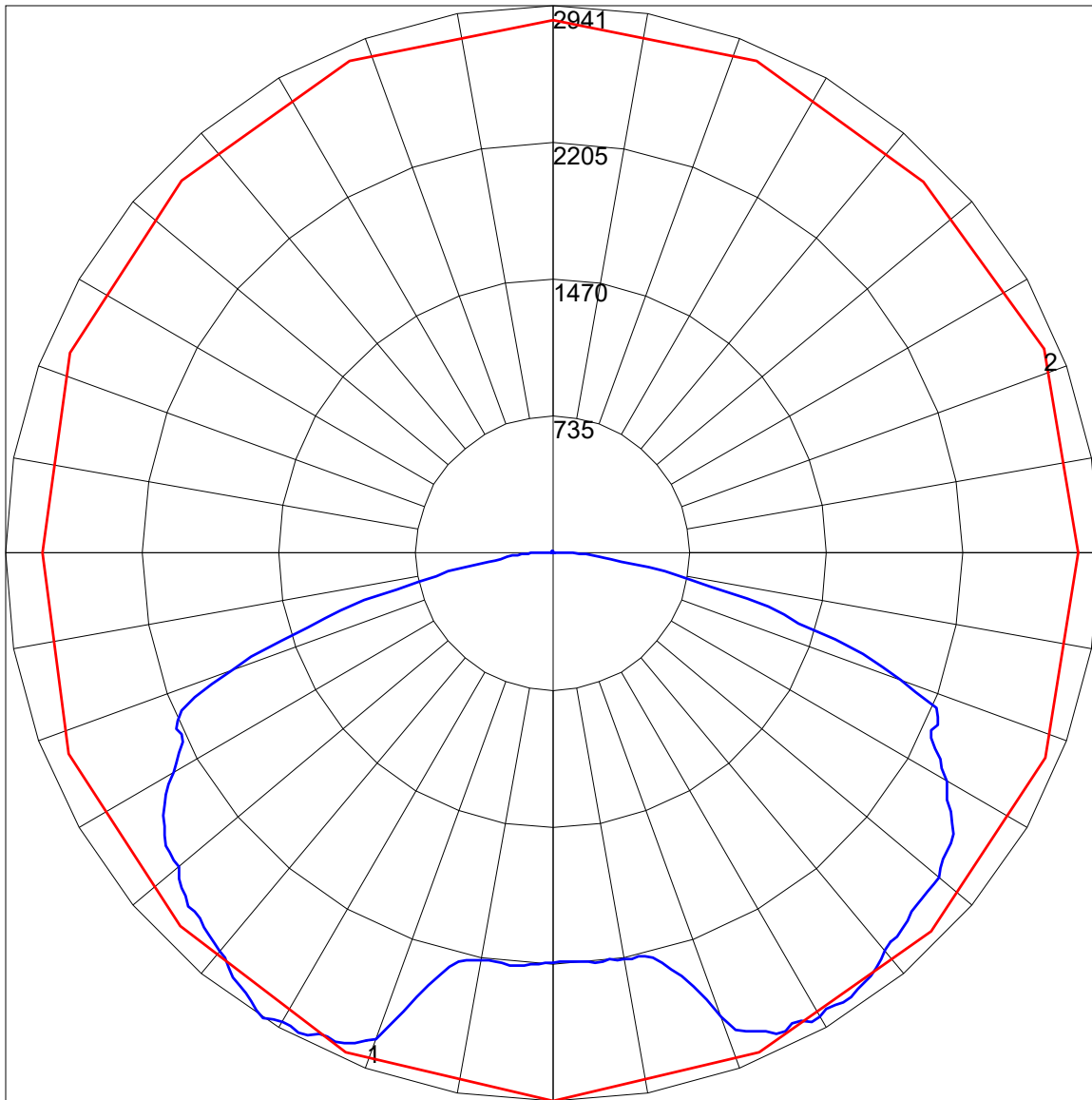
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

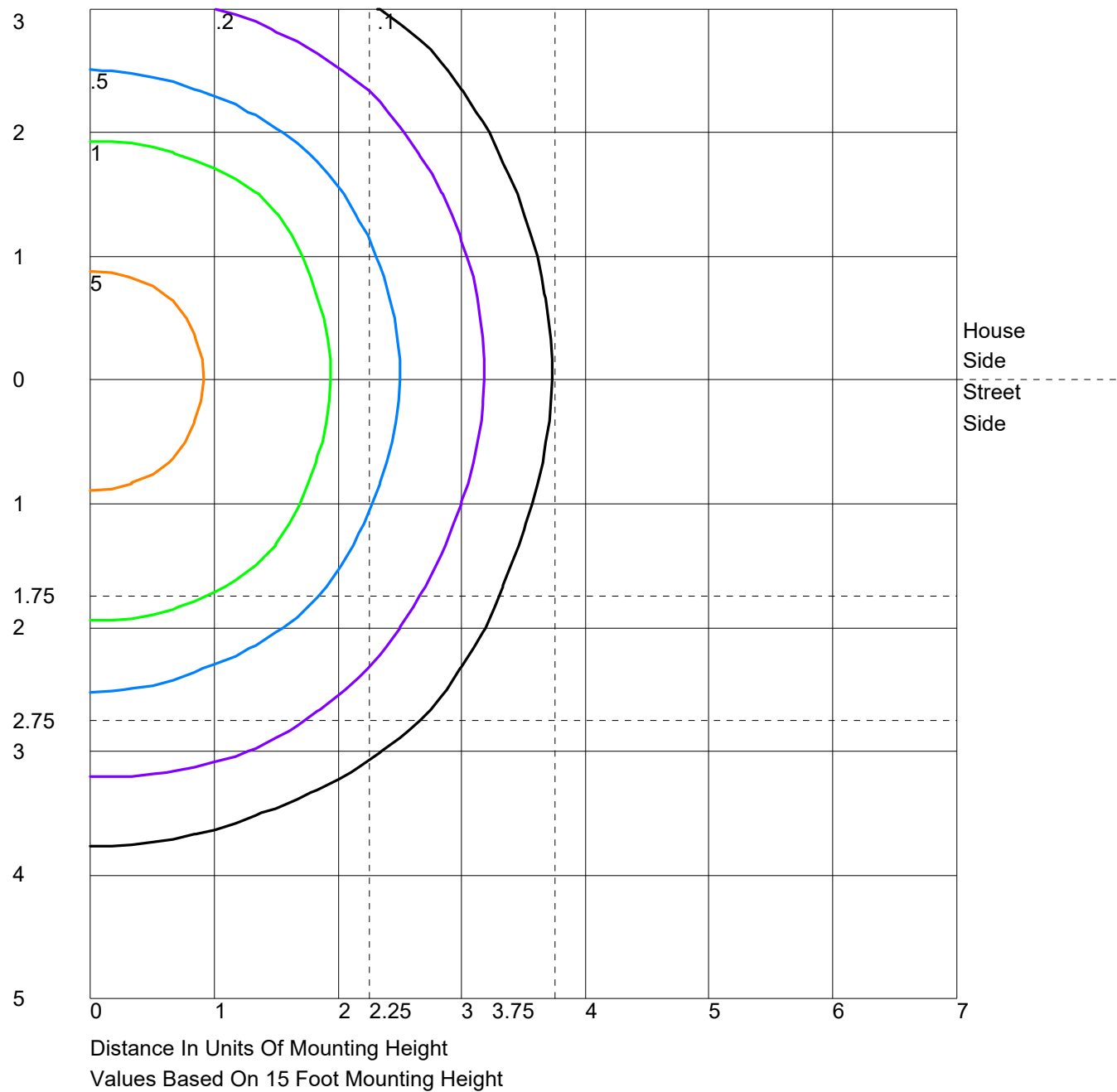
	Lumens	Percent Of Lamp
Downward Street Side	6241.3	49.9
Downward House Side	6181.9	49.4
Downward Total	12423.2	99.3
Upward Street Side	45.5	0.4
Upward House Side	47.5	0.4
Upward Total	93.0	0.7
Total Flux	12516.2	100.0

POLAR GRAPH

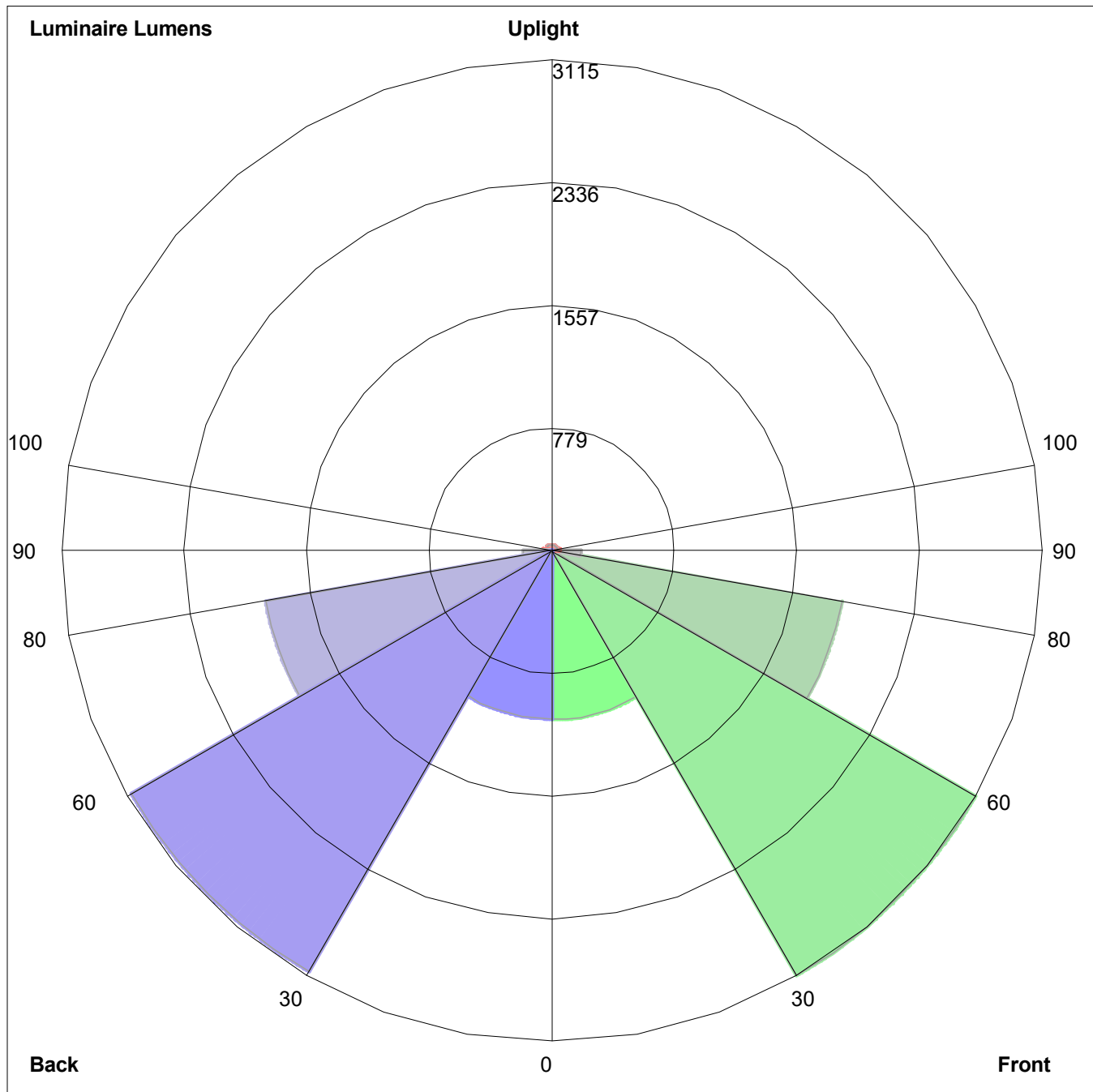


Maximum Candela = 2940.55 Located At Horizontal Angle = 270, Vertical Angle = 32
1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (32) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1072.6, Medium=3114.9, High=1871.1, Very High=182.7
Back: Low=1065.7, Medium=3086.9, High=1847.3, Very High=182.0
Uplight: Low=56.1, High=36.8

BUG Rating : B3-U3-G2