

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-W-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L40-950-xxx-DIM-UNV-W-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH WIDE DIST  
[LAMPCAT] BL VERO 18  
[LAMP] LED  
[OTHER] Absolute Photometry

### CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3803
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3184.114
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3184.114
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.058 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	18.603 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1016.0	N.A.	26.7
FM - Front-Medium (30-60)	758.4	N.A.	19.9
FH - Front-High (60-80)	122.9	N.A.	3.2
FVH - Front-Very High (80-90)	3.5	N.A.	0.1
BL - Back-Low (0-30)	1016.0	N.A.	26.7
BM - Back-Medium (30-60)	758.4	N.A.	19.9
BH - Back-High (60-80)	122.9	N.A.	3.2
BVH - Back-Very High (80-90)	3.5	N.A.	0.1
UL - Uplight-Low (90-100)	1.0	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	3802.7	N.A.	100.0
BUG Rating	B3-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-W-XXX\_.IES****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>
0	3184.114	3184.114	3184.114	3184.114	3184.114
1	3182.329	3183.362	3182.737	3181.182	3181.819
2	3180.340	3180.098	3178.823	3176.706	3176.273
3	3175.278	3175.316	3173.365	3170.828	3167.844
4	3166.493	3167.564	3165.281	3160.921	3158.893
5	3151.306	3152.020	3149.572	3145.007	3143.975
6	3131.517	3130.561	3125.422	3120.500	3120.245
7	3101.655	3099.742	3091.900	3088.215	3086.252
8	3059.539	3059.029	3051.684	3048.611	3045.704
9	3009.874	3009.963	3004.799	3001.076	2999.036
10	2954.841	2955.530	2950.442	2948.262	2947.612
11	2894.033	2896.035	2892.299	2891.852	2891.827
12	2831.337	2833.747	2831.452	2833.109	2832.344
13	2769.801	2771.510	2772.836	2773.805	2772.007
14	2707.539	2709.936	2713.430	2714.934	2710.854
15	2645.787	2649.382	2653.195	2655.171	2650.543
16	2585.271	2590.575	2593.419	2596.849	2593.840
17	2528.198	2533.235	2534.408	2540.375	2537.698
18	2471.470	2477.565	2478.942	2485.700	2482.805
19	2420.671	2425.529	2427.696	2433.039	2431.088
20	2373.837	2376.106	2378.797	2383.719	2379.600
21	2330.152	2330.331	2333.289	2337.943	2331.963
22	2290.739	2285.524	2290.969	2293.200	2290.892
23	2253.979	2246.711	2252.194	2252.882	2253.571
24	2217.715	2212.105	2215.063	2215.101	2215.688
25	2182.944	2178.774	2177.219	2177.231	2178.354
26	2146.808	2142.332	2137.219	2137.666	2136.556
27	2104.488	2097.309	2090.832	2089.251	2091.138
28	2047.517	2039.063	2030.100	2028.990	2032.152
29	1972.644	1965.134	1950.700	1950.879	1954.538
30	1872.639	1865.881	1848.897	1850.976	1853.794
31	1747.464	1741.191	1725.138	1728.262	1730.531
32	1601.225	1597.540	1583.450	1589.609	1591.777
33	1440.858	1439.761	1430.491	1438.333	1441.036
34	1277.392	1279.394	1274.804	1284.430	1285.004
35	1125.389	1125.797	1126.078	1137.349	1136.419
36	989.962	989.809	995.471	1006.755	1007.163
37	877.742	878.252	886.120	897.353	895.976
38	789.456	792.554	801.135	809.704	808.977
39	727.333	731.439	738.057	744.968	744.738
40	684.899	688.239	692.868	697.063	697.522
41	655.827	657.293	660.557	663.005	663.031
42	633.602	634.125	636.305	637.670	636.611
43	614.909	614.897	616.337	616.809	615.292
44	597.237	597.237	597.912	597.900	596.421
45	579.475	579.589	580.036	579.921	578.404
46	561.343	561.585	561.726	561.636	560.412
47	542.280	542.638	542.829	542.791	541.668
48	523.027	523.307	523.447	523.409	522.478
49	503.339	503.645	503.824	503.607	502.549
50	483.410	483.410	483.563	483.486	482.466
51	463.238	463.238	463.315	463.225	462.358
52	442.849	443.053	443.041	442.939	441.995

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	422.882	422.984	422.882	422.805	421.607
54	403.003	402.876	402.774	402.442	401.192
55	382.908	382.538	382.423	381.837	380.625
56	361.576	361.282	361.155	360.466	359.331
57	340.027	339.721	339.606	338.752	337.578
58	318.950	318.529	318.235	317.407	316.297
59	298.025	297.694	297.222	296.521	295.501
60	277.662	277.267	276.961	276.145	275.291
61	257.733	257.427	257.146	256.496	255.680
62	238.632	238.313	237.956	237.433	236.656
63	220.041	219.824	219.442	218.996	218.256
64	202.050	201.859	201.604	201.119	200.622
65	185.206	184.836	184.696	184.326	183.982
66	168.490	168.553	168.120	168.043	167.584
67	152.602	152.755	152.513	152.360	151.977
68	137.696	137.696	137.607	137.467	137.288
69	123.364	123.415	123.275	123.237	123.160
70	109.836	109.963	109.836	109.836	109.823
71	97.161	97.251	97.123	97.187	97.200
72	85.252	85.392	85.265	85.341	85.443
73	74.133	74.223	74.172	74.274	74.312
74	63.869	63.920	63.933	64.073	64.022
75	54.357	54.433	54.472	54.586	54.510
76	45.572	45.597	45.686	45.814	45.763
77	37.577	37.615	37.755	37.844	37.806
78	30.360	30.334	30.551	30.577	30.564
79	23.882	23.908	24.112	24.201	24.137
80	18.297	18.285	18.489	18.603	18.552
81	13.414	13.478	13.656	13.771	13.707
82	9.079	9.168	9.295	9.308	9.372
83	6.273	6.299	6.541	6.681	6.847
84	5.814	5.827	5.814	5.814	5.789
85	5.394	5.406	5.394	5.381	5.355
86	4.833	4.833	4.820	4.820	4.782
87	4.068	4.080	4.055	4.055	4.029
88	3.111	3.086	3.086	3.086	3.060
89	1.900	1.900	1.900	1.887	1.862
90	0.829	0.829	0.931	1.020	1.058
91	0.727	0.727	0.727	0.727	0.714
92	0.740	0.752	0.752	0.752	0.752
93	0.791	0.803	0.803	0.803	0.803
94	0.829	0.842	0.854	0.854	0.842
95	0.893	0.893	0.905	0.893	0.893
96	0.944	0.956	0.956	0.956	0.944
97	1.007	1.020	1.020	1.007	1.007
98	1.071	1.071	1.071	1.071	1.058
99	1.135	1.135	1.135	1.148	1.135
100	1.186	1.199	1.186	1.211	1.186
101	0.000	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000
106	0.000	0.000	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.000

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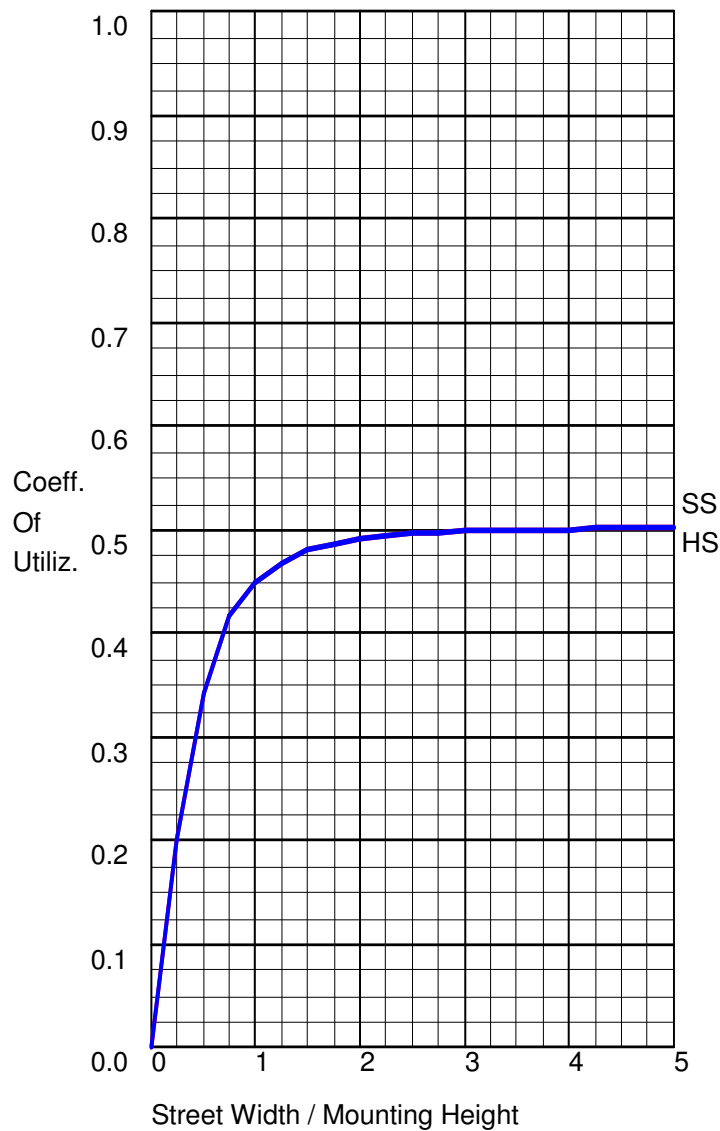
CANDELA TABULATION - (Cont.)

109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.000
124	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000
126	0.000	0.000	0.000	0.000	0.000
127	0.000	0.000	0.000	0.000	0.000
128	0.000	0.000	0.000	0.000	0.000
129	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000
131	0.000	0.000	0.000	0.000	0.000
132	0.000	0.000	0.000	0.000	0.000
133	0.000	0.000	0.000	0.000	0.000
134	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000
136	0.000	0.000	0.000	0.000	0.000
137	0.000	0.000	0.000	0.000	0.000
138	0.000	0.000	0.000	0.000	0.000
139	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000
141	0.000	0.000	0.000	0.000	0.000
142	0.000	0.000	0.000	0.000	0.000
143	0.000	0.000	0.000	0.000	0.000
144	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000
146	0.000	0.000	0.000	0.000	0.000
147	0.000	0.000	0.000	0.000	0.000
148	0.000	0.000	0.000	0.000	0.000
149	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000
151	0.000	0.000	0.000	0.000	0.000
152	0.000	0.000	0.000	0.000	0.000
153	0.000	0.000	0.000	0.000	0.000
154	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000
156	0.000	0.000	0.000	0.000	0.000
157	0.000	0.000	0.000	0.000	0.000
158	0.000	0.000	0.000	0.000	0.000
159	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000
161	0.000	0.000	0.000	0.000	0.000
162	0.000	0.000	0.000	0.000	0.000
163	0.000	0.000	0.000	0.000	0.000
164	0.000	0.000	0.000	0.000	0.000

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-950-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

165	0.000	0.000	0.000	0.000	0.000
166	0.000	0.000	0.000	0.000	0.000
167	0.000	0.000	0.000	0.000	0.000
168	0.000	0.000	0.000	0.000	0.000
169	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000
171	0.000	0.000	0.000	0.000	0.000
172	0.000	0.000	0.000	0.000	0.000
173	0.000	0.000	0.000	0.000	0.000
174	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000
176	0.000	0.000	0.000	0.000	0.000
177	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

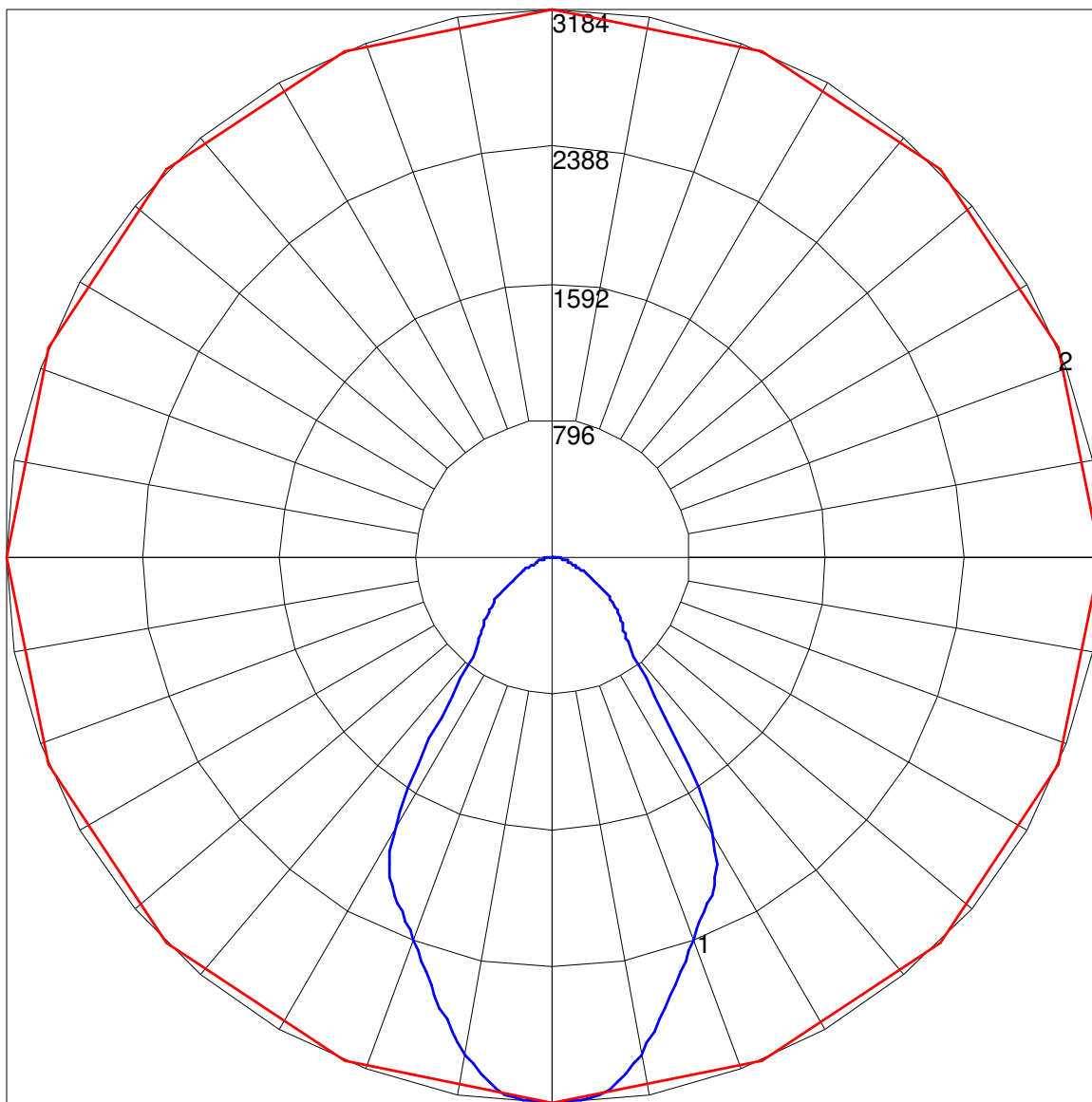
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1900.8	50.0
Downward House Side	1900.8	50.0
Downward Total	3801.6	100.0
Upward Street Side	0.5	0.0
Upward House Side	0.5	0.0
Upward Total	1.0	0.0
Total Flux	3802.6	100.0

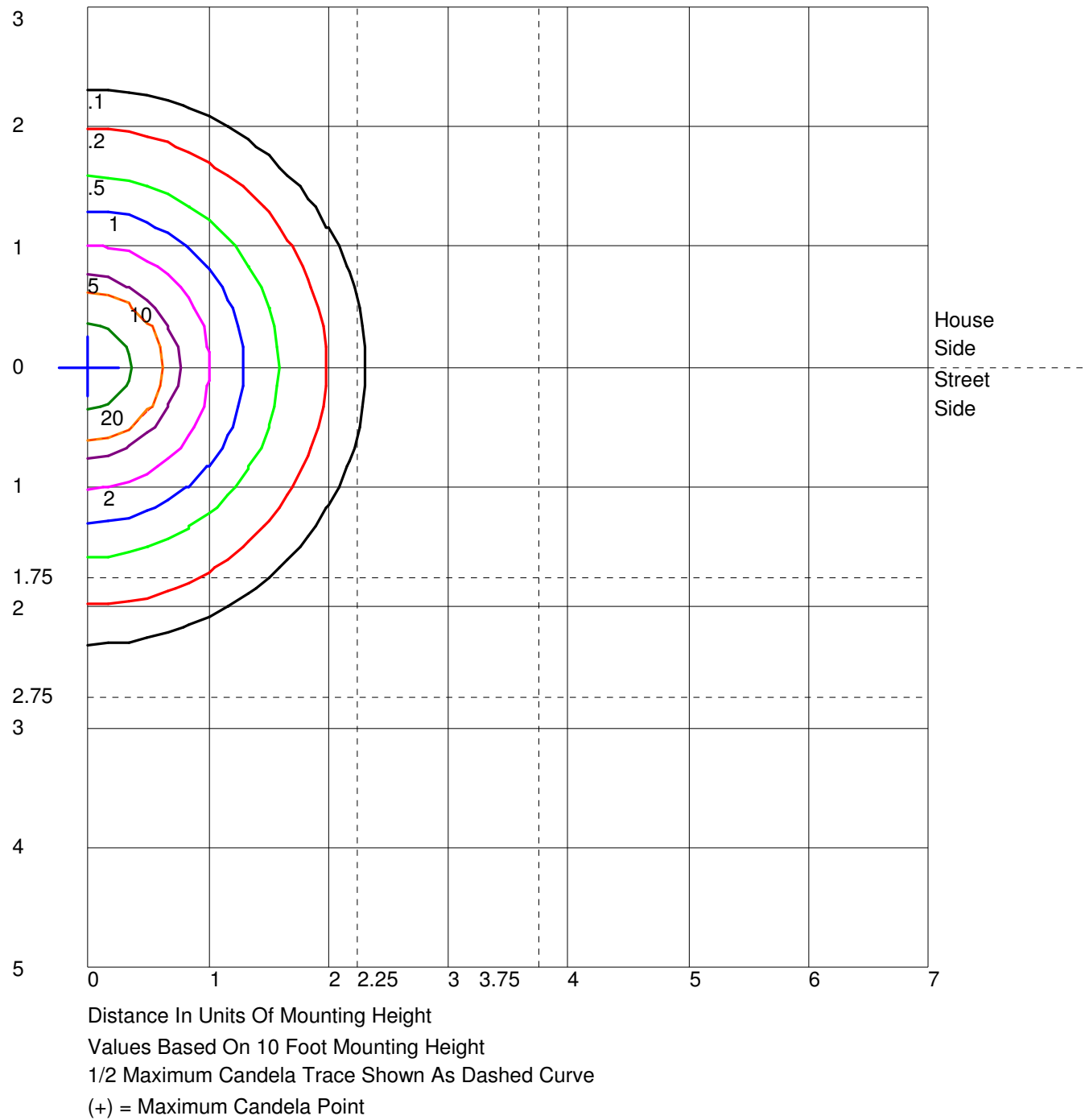
POLAR GRAPH



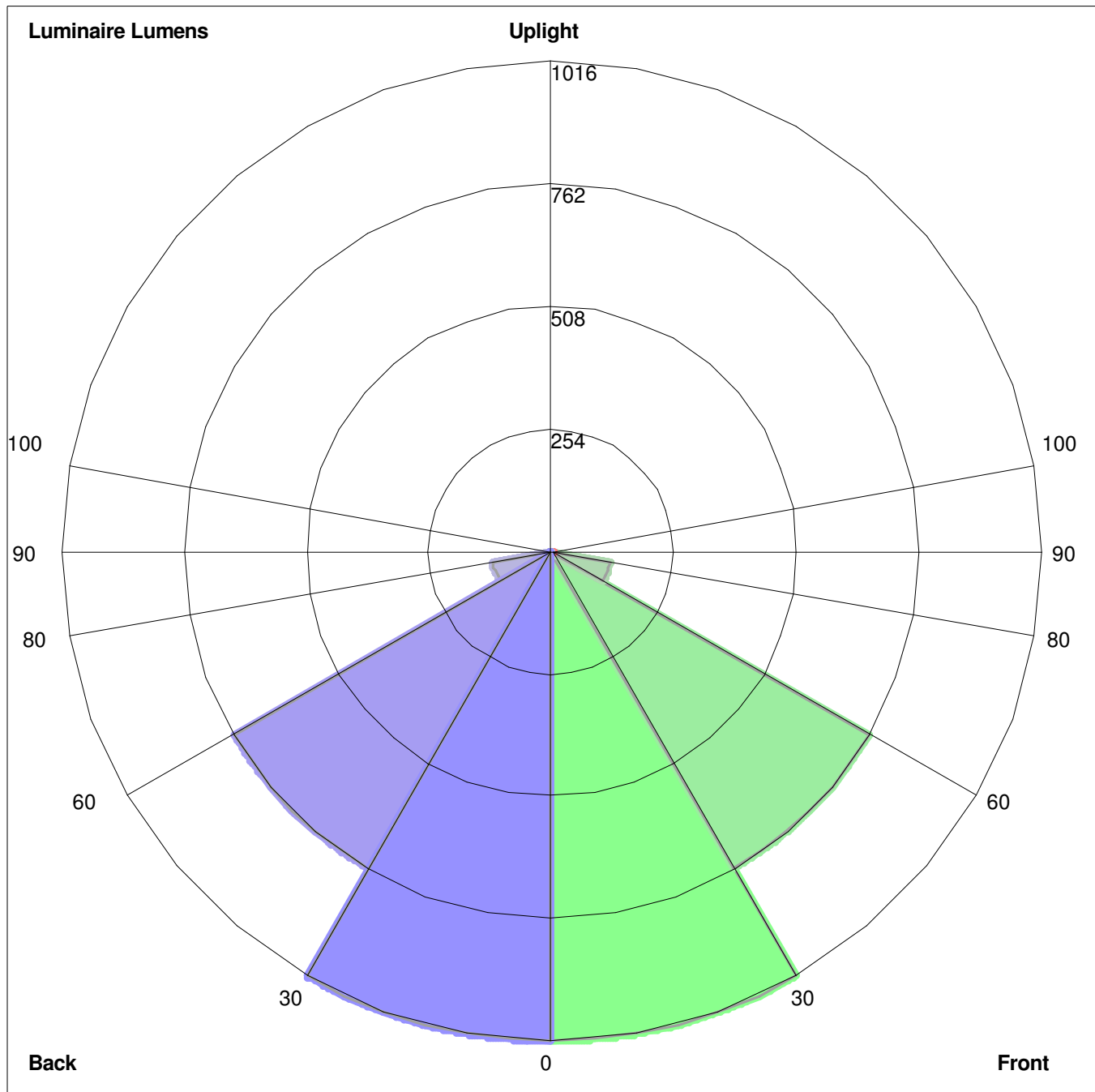
Maximum Candela = 3184.114 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 1016.0, Medium=758.4, High=122.9, Very High=3.5  
Back: Low= 1016.0, Medium=758.4, High=122.9, Very High=3.5  
Uplight: Low=1.0, High=0.1

BUG Rating : B3-U1-G0