

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-927-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-L40-927-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	3762
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3150.24
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3150.24
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.047 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	18.406 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1005.2	N.A.	26.7
FM - Front-Medium (30-60)	750.3	N.A.	19.9
FH - Front-High (60-80)	121.5	N.A.	3.2
FVH - Front-Very High (80-90)	3.5	N.A.	0.1
BL - Back-Low (0-30)	1005.2	N.A.	26.7
BM - Back-Medium (30-60)	750.3	N.A.	19.9
BH - Back-High (60-80)	121.5	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	3762.1	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-927-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	3150.240	3150.240	3150.240	3150.240	3150.240
1	3148.474	3149.496	3148.877	3147.338	3147.969
2	3146.506	3146.266	3145.005	3142.910	3142.482
3	3141.498	3141.535	3139.605	3137.095	3134.143
4	3132.806	3133.865	3131.607	3127.293	3125.287
5	3117.781	3118.487	3116.065	3111.549	3110.527
6	3098.202	3097.256	3092.172	3087.303	3087.050
7	3068.657	3066.765	3059.007	3055.361	3053.418
8	3026.990	3026.485	3019.219	3016.178	3013.302
9	2977.853	2977.942	2972.832	2969.149	2967.130
10	2923.406	2924.087	2919.054	2916.897	2916.253
11	2863.244	2865.225	2861.529	2861.087	2861.062
12	2801.215	2803.600	2801.329	2802.969	2802.212
13	2740.335	2742.025	2743.337	2744.296	2742.517
14	2678.735	2681.106	2684.563	2686.051	2682.015
15	2617.639	2621.197	2624.969	2626.924	2622.345
16	2557.768	2563.015	2565.829	2569.222	2566.245
17	2501.302	2506.285	2507.446	2513.349	2510.700
18	2445.177	2451.207	2452.569	2459.256	2456.392
19	2394.918	2399.724	2401.869	2407.155	2405.225
20	2348.582	2350.828	2353.490	2358.359	2354.285
21	2305.363	2305.539	2308.466	2313.071	2307.154
22	2266.369	2261.210	2266.596	2268.804	2266.521
23	2230.000	2222.809	2228.234	2228.915	2229.596
24	2194.122	2188.571	2191.498	2191.536	2192.116
25	2159.720	2155.595	2154.056	2154.069	2155.179
26	2123.969	2119.541	2114.482	2114.924	2113.826
27	2082.099	2074.997	2068.588	2067.024	2068.891
28	2025.735	2017.371	2008.502	2007.405	2010.533
29	1951.658	1944.228	1929.947	1930.124	1933.745
30	1852.717	1846.031	1829.228	1831.284	1834.072
31	1728.874	1722.667	1706.785	1709.875	1712.121
32	1584.190	1580.544	1566.605	1572.698	1574.842
33	1425.529	1424.444	1415.273	1423.031	1425.706
34	1263.802	1265.783	1261.241	1270.766	1271.334
35	1113.417	1113.820	1114.098	1125.250	1124.329
36	979.431	979.279	984.880	996.045	996.449
37	868.404	868.909	876.693	887.807	886.444
38	781.057	784.122	792.612	801.090	800.371
39	719.596	723.658	730.205	737.042	736.815
40	677.612	680.917	685.497	689.647	690.101
41	648.850	650.300	653.530	655.952	655.977
42	626.861	627.379	629.536	630.886	629.839
43	608.368	608.355	609.780	610.247	608.746
44	590.883	590.883	591.551	591.539	590.075
45	573.310	573.423	573.865	573.751	572.250
46	555.371	555.611	555.750	555.661	554.450
47	536.511	536.865	537.054	537.016	535.906
48	517.462	517.740	517.879	517.841	516.920
49	497.985	498.287	498.464	498.250	497.202
50	478.267	478.267	478.418	478.343	477.334
51	458.310	458.310	458.386	458.297	457.439
52	438.138	438.340	438.327	438.226	437.293

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	418.383	418.484	418.383	418.307	417.121
54	398.716	398.590	398.489	398.161	396.924
55	378.834	378.468	378.355	377.774	376.576
56	357.729	357.439	357.313	356.631	355.509
57	336.409	336.106	335.993	335.148	333.987
58	315.556	315.140	314.850	314.030	312.932
59	294.855	294.527	294.060	293.366	292.357
60	274.708	274.317	274.015	273.207	272.362
61	254.991	254.688	254.411	253.767	252.960
62	236.093	235.778	235.425	234.907	234.138
63	217.700	217.486	217.107	216.666	215.934
64	199.900	199.711	199.459	198.979	198.487
65	183.236	182.870	182.731	182.365	182.025
66	166.697	166.760	166.331	166.256	165.801
67	150.979	151.130	150.890	150.739	150.360
68	136.231	136.231	136.143	136.004	135.828
69	122.052	122.102	121.964	121.926	121.850
70	108.667	108.793	108.667	108.667	108.655
71	96.128	96.216	96.090	96.153	96.166
72	84.345	84.484	84.358	84.433	84.534
73	73.345	73.433	73.383	73.483	73.521
74	63.189	63.240	63.253	63.391	63.341
75	53.779	53.854	53.892	54.006	53.930
76	45.087	45.112	45.200	45.326	45.276
77	37.177	37.215	37.354	37.442	37.404
78	30.037	30.012	30.226	30.251	30.239
79	23.628	23.653	23.855	23.944	23.881
80	18.103	18.090	18.292	18.406	18.355
81	13.271	13.334	13.511	13.624	13.561
82	8.982	9.070	9.196	9.209	9.272
83	6.207	6.232	6.472	6.610	6.774
84	5.753	5.765	5.753	5.753	5.727
85	5.336	5.349	5.336	5.324	5.298
86	4.781	4.781	4.769	4.769	4.731
87	4.024	4.037	4.012	4.012	3.986
88	3.078	3.053	3.053	3.053	3.028
89	1.880	1.880	1.880	1.867	1.842
90	0.820	0.820	0.921	1.009	1.047
91	0.719	0.719	0.719	0.719	0.706
92	0.732	0.744	0.744	0.744	0.744
93	0.782	0.795	0.795	0.795	0.795
94	0.820	0.833	0.845	0.845	0.833
95	0.883	0.883	0.896	0.883	0.883
96	0.934	0.946	0.946	0.946	0.934
97	0.997	1.009	1.009	0.997	0.997
98	1.060	1.060	1.060	1.060	1.047
99	1.123	1.123	1.123	1.135	1.123
100	1.173	1.186	1.173	1.198	1.173
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

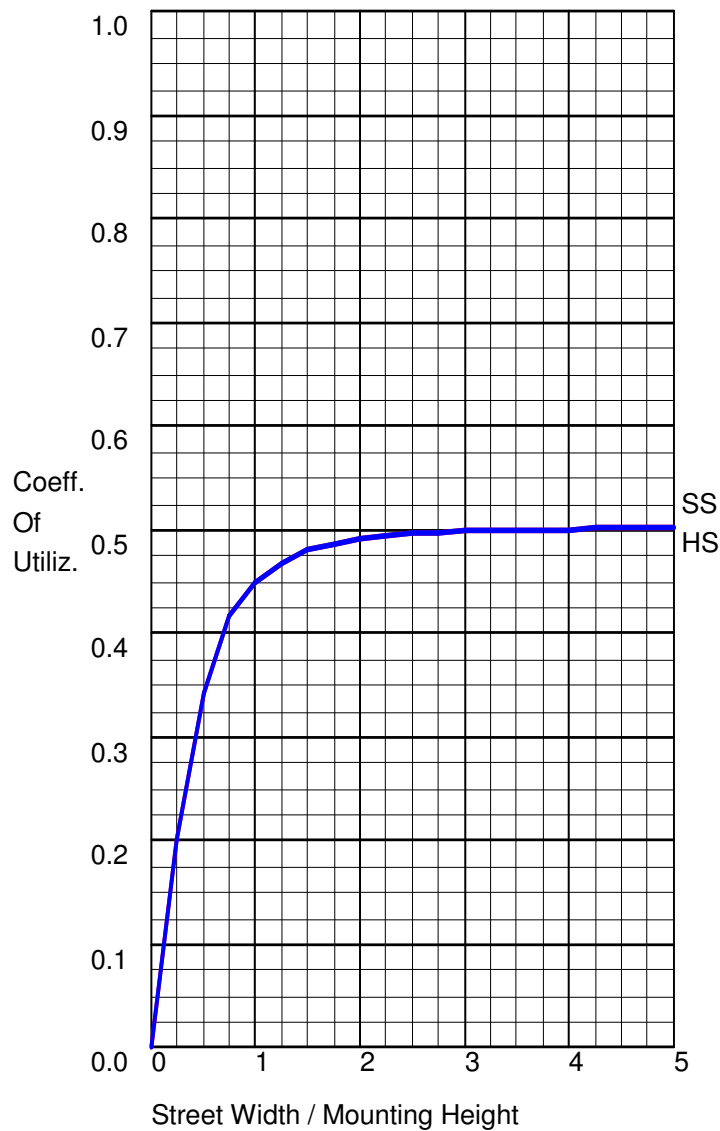
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L40-927-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

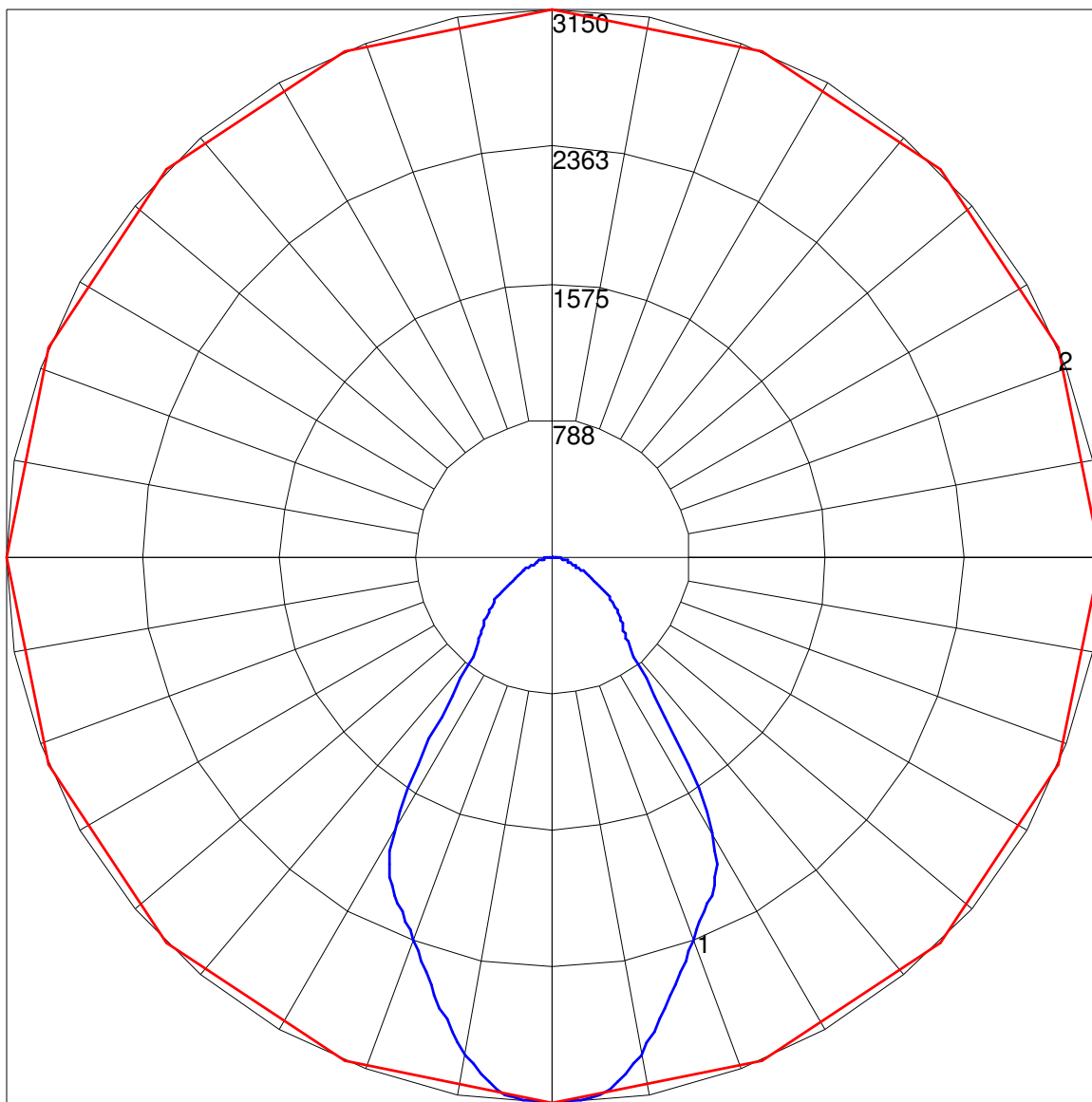
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

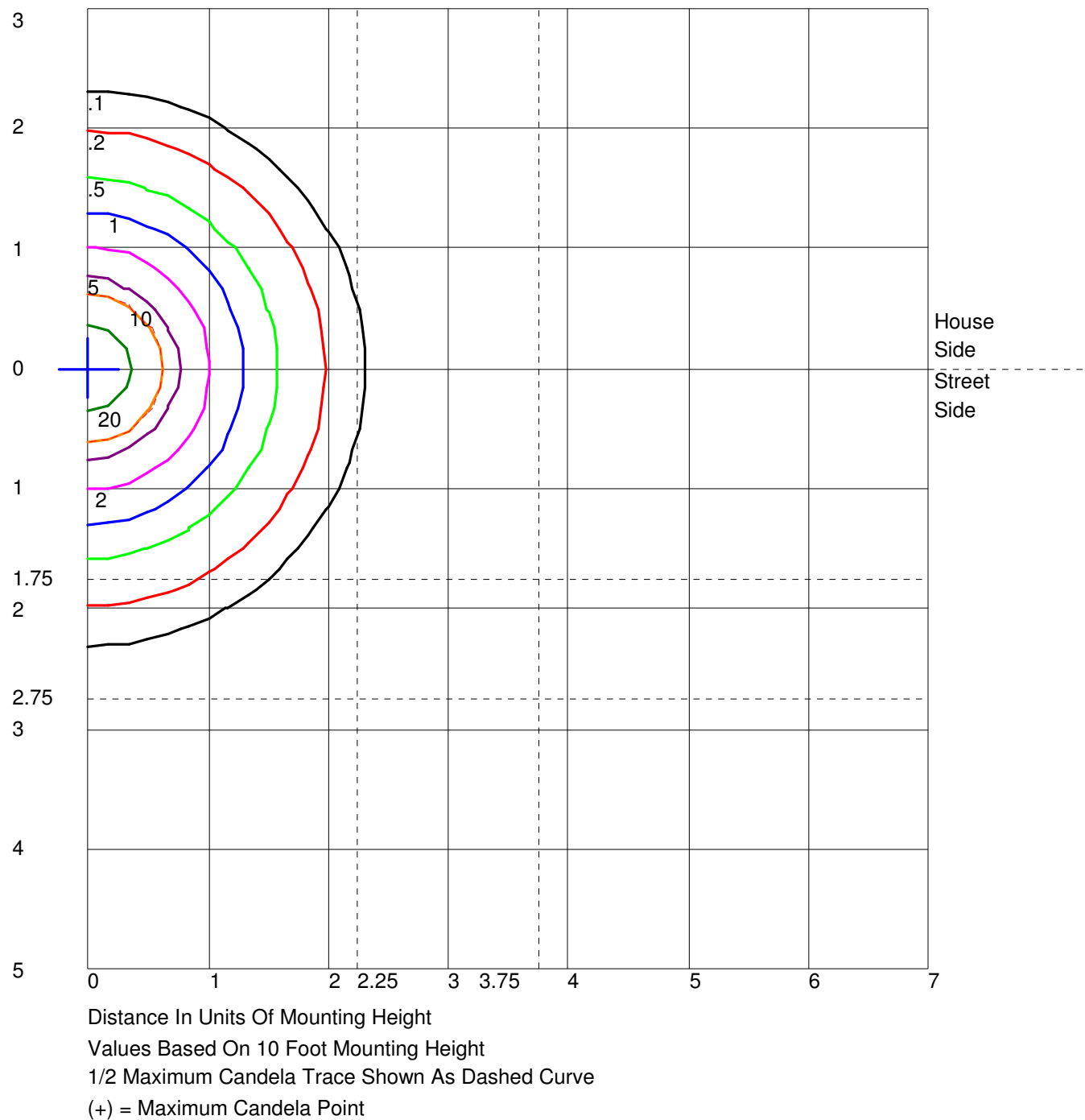
	Lumens	Percent Of Luminaire
Downward Street Side	1880.6	50.0
Downward House Side	1880.6	50.0
Downward Total	3761.2	100.0
Upward Street Side	0.5	0.0
Upward House Side	0.5	0.0
Upward Total	1.0	0.0
Total Flux	3762.2	100.0

POLAR GRAPH

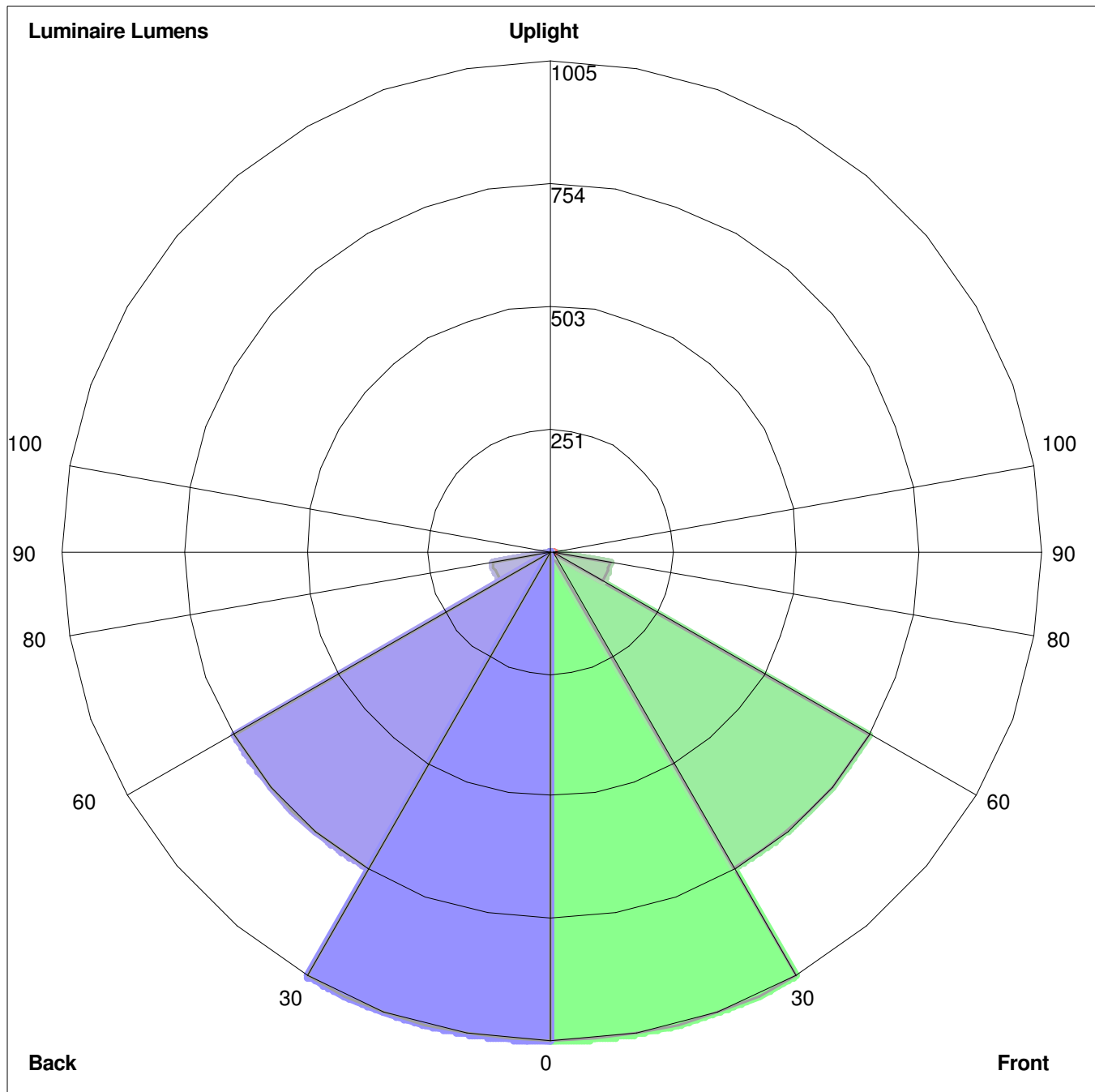


Maximum Candela = 3150.24 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1005.2, Medium=750.3, High=121.5, Very High=3.5
Back: Low=1005.2, Medium=750.3, High=121.5, Very High=3.5
Uplight: Low=1.0, High=0.1

BUG Rating : B3-U1-G0