

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-930-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-L40-930-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	3843
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	3217.988
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	3217.988
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	1.07 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	18.801 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1026.8	N.A.	26.7
FM - Front-Medium (30-60)	766.5	N.A.	19.9
FH - Front-High (60-80)	124.2	N.A.	3.2
FVH - Front-Very High (80-90)	3.5	N.A.	0.1
BL - Back-Low (0-30)	1026.8	N.A.	26.7
BM - Back-Medium (30-60)	766.5	N.A.	19.9
BH - Back-High (60-80)	124.2	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	3843.1	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-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	3217.988	3217.988	3217.988	3217.988	3217.988
1	3216.184	3217.228	3216.597	3215.025	3215.669
2	3214.174	3213.929	3212.641	3210.501	3210.063
3	3209.058	3209.097	3207.125	3204.561	3201.545
4	3200.179	3201.262	3198.955	3194.548	3192.499
5	3184.831	3185.553	3183.079	3178.466	3177.422
6	3164.832	3163.865	3158.672	3153.698	3153.440
7	3134.651	3132.719	3124.793	3121.069	3119.085
8	3092.087	3091.572	3084.149	3081.044	3078.106
9	3041.895	3041.985	3036.766	3033.003	3030.941
10	2986.276	2986.972	2981.831	2979.627	2978.970
11	2924.821	2926.844	2923.068	2922.617	2922.591
12	2861.458	2863.893	2861.574	2863.249	2862.476
13	2799.268	2800.994	2802.335	2803.314	2801.497
14	2736.343	2738.766	2742.297	2743.817	2739.693
15	2673.934	2677.568	2681.421	2683.418	2678.740
16	2612.774	2618.135	2621.009	2624.475	2621.434
17	2555.095	2560.185	2561.370	2567.401	2564.695
18	2497.763	2503.922	2505.314	2512.144	2509.219
19	2446.423	2451.332	2453.523	2458.923	2456.951
20	2399.091	2401.384	2404.104	2409.078	2404.915
21	2354.942	2355.122	2358.112	2362.815	2356.771
22	2315.109	2309.839	2315.341	2317.597	2315.264
23	2277.958	2270.612	2276.154	2276.849	2277.545
24	2241.308	2235.638	2238.628	2238.667	2239.260
25	2206.167	2201.953	2200.381	2200.394	2201.528
26	2169.647	2165.124	2159.956	2160.407	2159.286
27	2126.876	2119.621	2113.075	2111.477	2113.384
28	2069.300	2060.756	2051.697	2050.576	2053.771
29	1993.630	1986.040	1971.453	1971.633	1975.331
30	1892.561	1885.732	1868.567	1870.667	1873.515
31	1766.055	1759.715	1743.491	1746.648	1748.941
32	1618.260	1614.535	1600.296	1606.520	1608.711
33	1456.186	1455.078	1445.709	1453.635	1456.367
34	1290.981	1293.005	1288.365	1298.095	1298.675
35	1137.362	1137.774	1138.057	1149.449	1148.508
36	1000.494	1000.340	1006.061	1017.466	1017.878
37	887.080	887.596	895.547	906.900	905.508
38	797.854	800.986	809.658	818.318	817.583
39	735.071	739.221	745.909	752.893	752.661
40	692.185	695.561	700.239	704.479	704.943
41	662.804	664.286	667.585	670.059	670.085
42	640.343	640.871	643.074	644.453	643.384
43	621.451	621.438	622.894	623.371	621.838
44	603.590	603.590	604.273	604.260	602.766
45	585.639	585.755	586.206	586.090	584.557
46	567.315	567.560	567.701	567.611	566.374
47	548.050	548.410	548.604	548.565	547.431
48	528.591	528.874	529.016	528.978	528.037
49	508.694	509.003	509.184	508.965	507.895
50	488.553	488.553	488.707	488.630	487.599
51	468.166	468.166	468.243	468.153	467.277
52	447.561	447.767	447.754	447.651	446.697

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	427.380	427.484	427.380	427.303	426.092
54	407.290	407.162	407.058	406.723	405.461
55	386.981	386.608	386.492	385.899	384.675
56	365.422	365.126	364.997	364.301	363.154
57	343.644	343.335	343.219	342.355	341.170
58	322.343	321.917	321.621	320.783	319.662
59	301.196	300.861	300.384	299.675	298.644
60	280.616	280.217	279.907	279.083	278.219
61	260.475	260.165	259.882	259.225	258.400
62	241.171	240.848	240.488	239.959	239.173
63	222.382	222.163	221.776	221.325	220.578
64	204.199	204.006	203.748	203.259	202.756
65	187.176	186.803	186.661	186.287	185.939
66	170.282	170.347	169.908	169.831	169.367
67	154.226	154.380	154.135	153.981	153.594
68	139.161	139.161	139.071	138.929	138.749
69	124.677	124.728	124.587	124.548	124.471
70	111.004	111.133	111.004	111.004	110.991
71	98.195	98.285	98.156	98.221	98.234
72	86.159	86.301	86.172	86.249	86.352
73	74.922	75.012	74.961	75.064	75.102
74	64.548	64.600	64.613	64.755	64.703
75	54.935	55.012	55.051	55.167	55.090
76	46.056	46.082	46.172	46.301	46.250
77	37.976	38.015	38.157	38.247	38.208
78	30.683	30.657	30.876	30.902	30.889
79	24.136	24.162	24.368	24.459	24.394
80	18.492	18.479	18.685	18.801	18.750
81	13.557	13.621	13.801	13.917	13.853
82	9.175	9.265	9.394	9.407	9.472
83	6.340	6.366	6.611	6.753	6.920
84	5.876	5.889	5.876	5.876	5.850
85	5.451	5.464	5.451	5.438	5.412
86	4.884	4.884	4.871	4.871	4.832
87	4.111	4.124	4.098	4.098	4.072
88	3.144	3.119	3.119	3.119	3.093
89	1.920	1.920	1.920	1.907	1.881
90	0.838	0.838	0.941	1.031	1.070
91	0.735	0.735	0.735	0.735	0.722
92	0.747	0.760	0.760	0.760	0.760
93	0.799	0.812	0.812	0.812	0.812
94	0.838	0.851	0.863	0.863	0.851
95	0.902	0.902	0.915	0.902	0.902
96	0.954	0.966	0.966	0.966	0.954
97	1.018	1.031	1.031	1.018	1.018
98	1.082	1.082	1.082	1.082	1.070
99	1.147	1.147	1.147	1.160	1.147
100	1.198	1.211	1.198	1.224	1.198
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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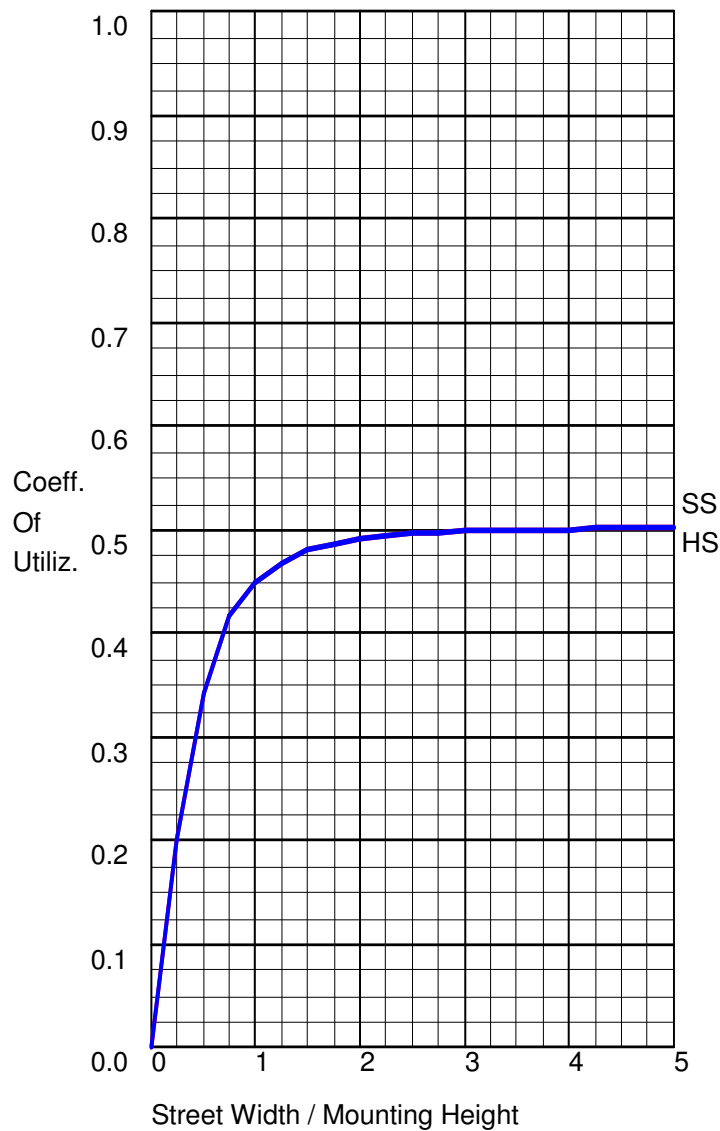
CANDELA TABULATION - (Cont.)

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-L40-930-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

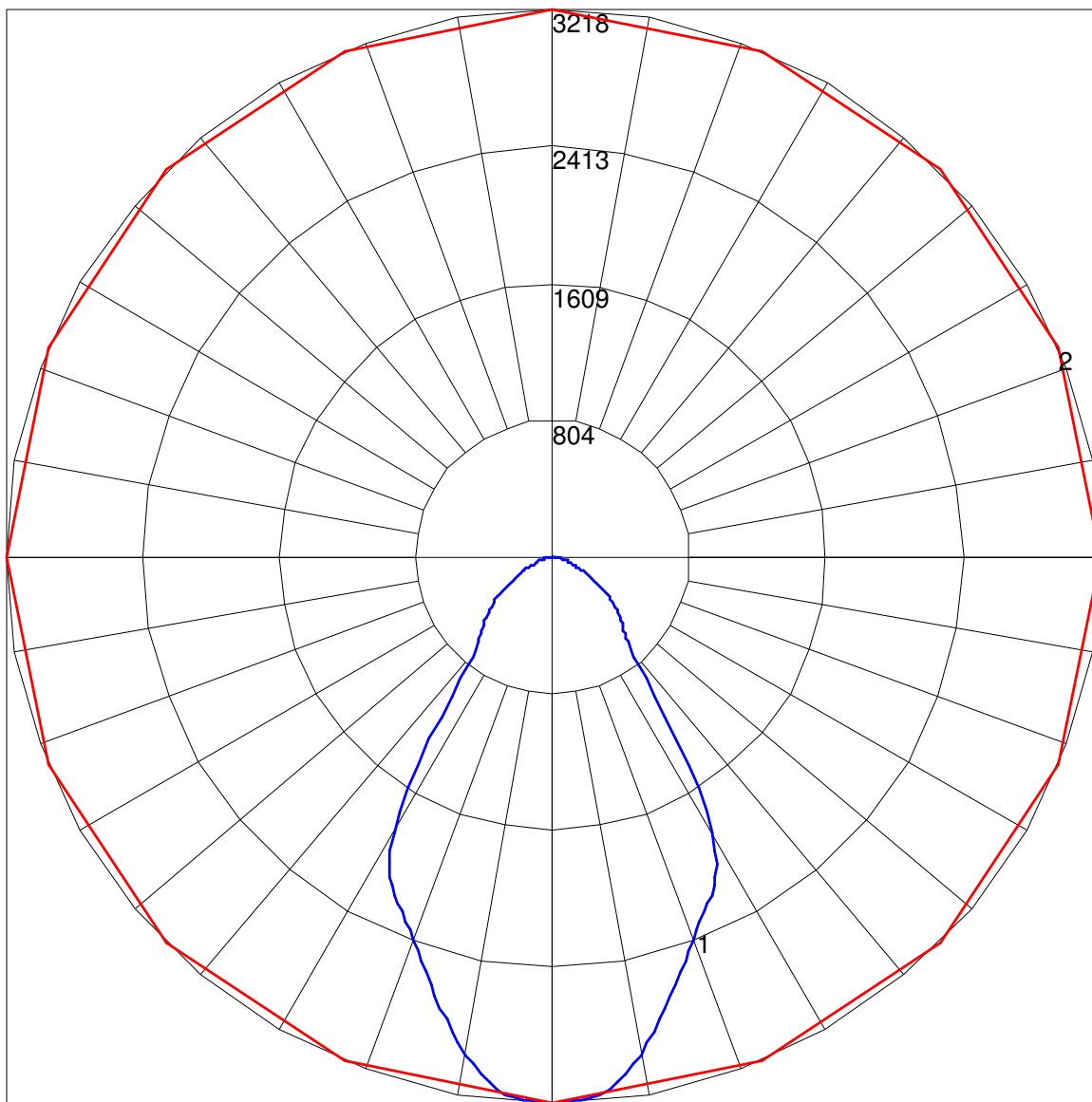
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

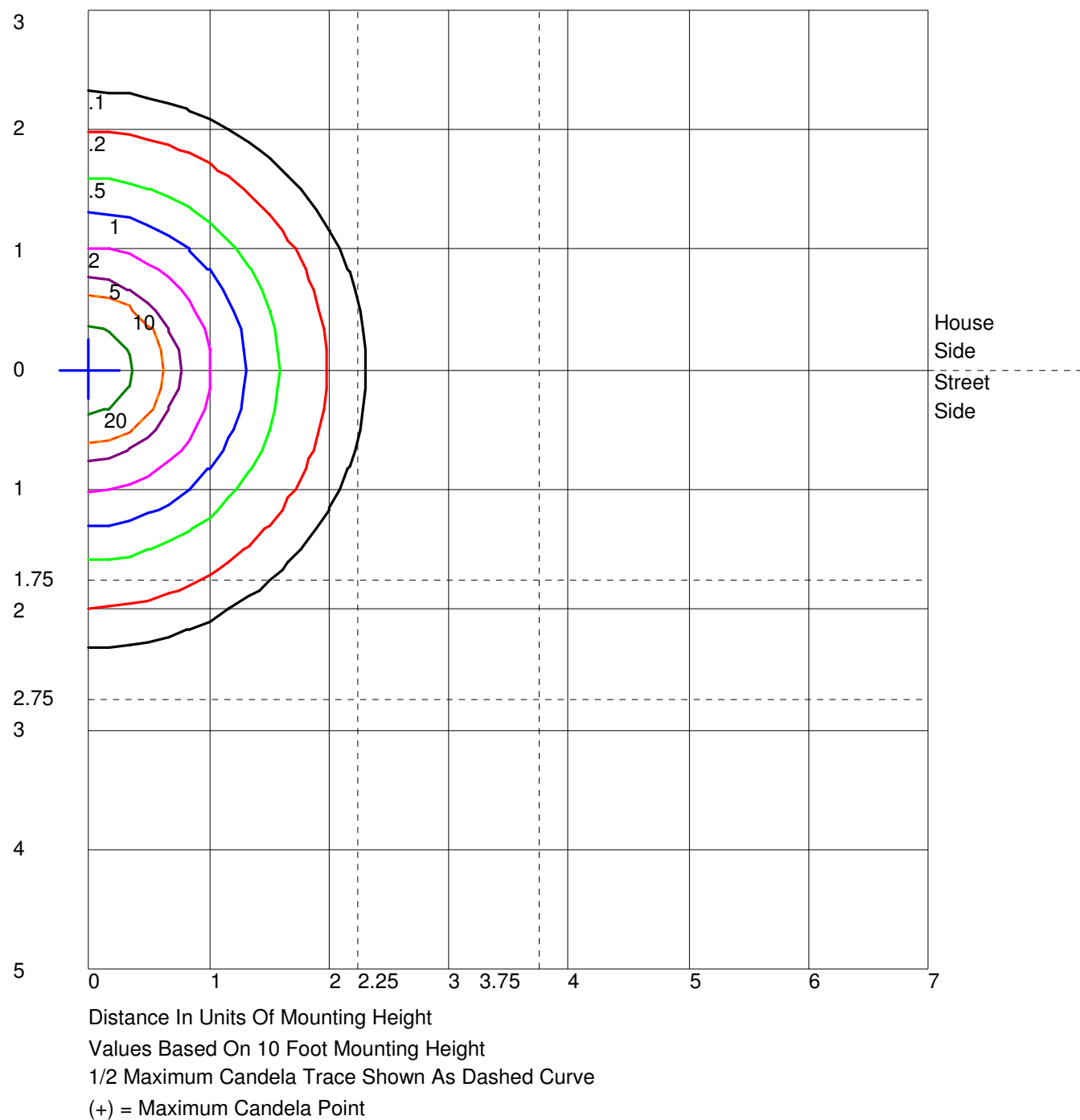
	Lumens	Percent Of Luminaire
Downward Street Side	1921.0	50.0
Downward House Side	1921.0	50.0
Downward Total	3842.0	100.0
Upward Street Side	0.5	0.0
Upward House Side	0.5	0.0
Upward Total	1.0	0.0
Total Flux	3843.0	100.0

POLAR GRAPH

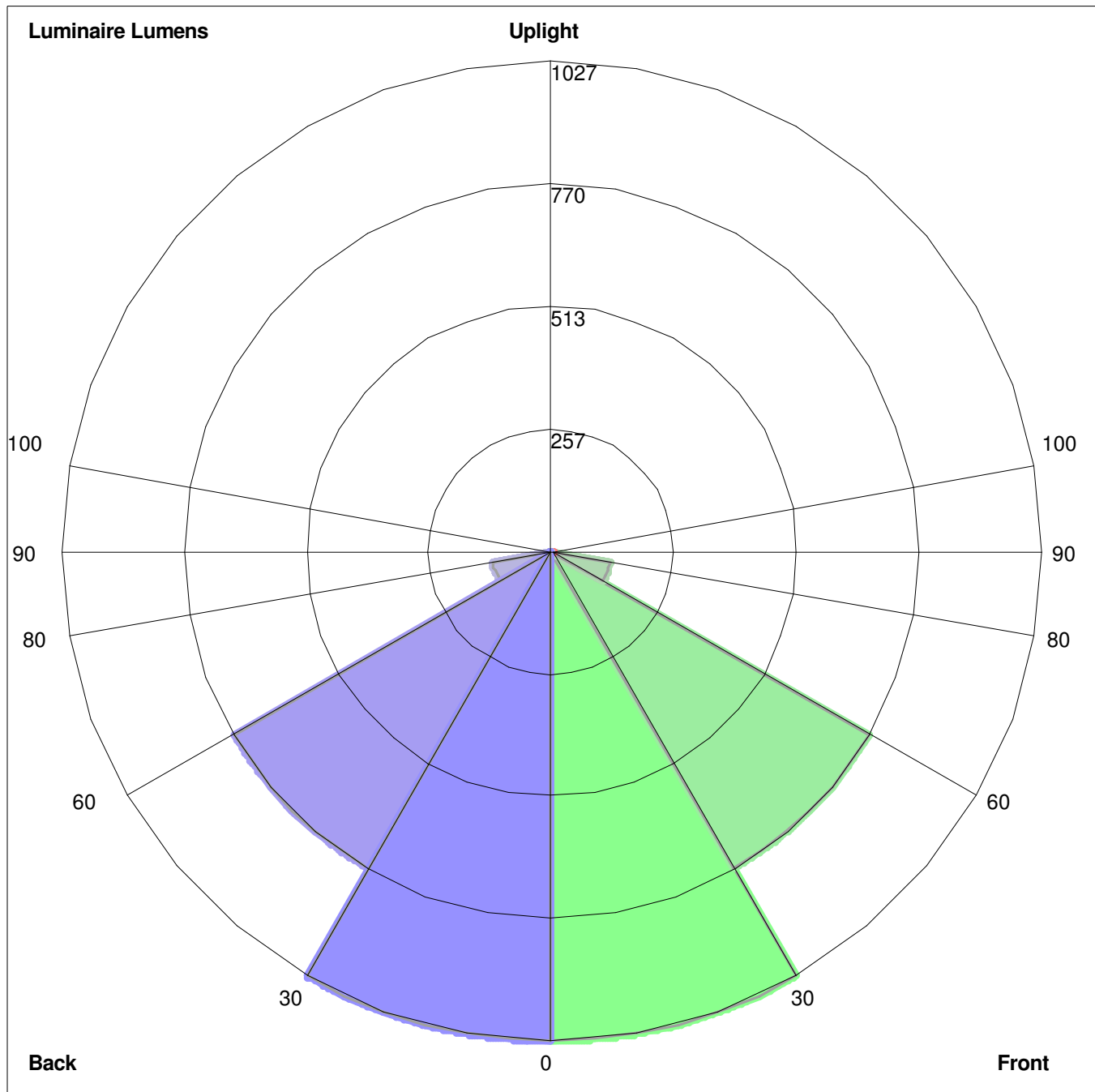


Maximum Candela = 3217.988 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1026.8, Medium=766.5, High=124.2, Very High=3.5
Back: Low=1026.8, Medium=766.5, High=124.2, Very High=3.5
Uplight: Low=1.0, High=0.1

BUG Rating : B3-U1-G0