

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-M-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-W\_(V22)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L60-827-xxx-DIM-UNV-M-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH MEDIUM DIST  
[LAMPCAT] BL VERO 22  
[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	5518
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11092.866
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11092.866
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.427 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.217 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2282.3	N.A.	41.4
FM - Front-Medium (30-60)	445.7	N.A.	8.1
FH - Front-High (60-80)	29.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.4	N.A.	0.0
BL - Back-Low (0-30)	2282.3	N.A.	41.4
BM - Back-Medium (30-60)	445.7	N.A.	8.1
BH - Back-High (60-80)	29.5	N.A.	0.5
BVH - Back-Very High (80-90)	1.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.4	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	5518.2	N.A.	100.0
BUG Rating	B3-U1-G0		

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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>
0	10440.032	10440.032	10440.032	10440.032	10440.032
1	10435.044	10445.522	10465.181	10486.175	10492.536
2	10383.838	10414.421	10494.186	10569.631	10595.465
3	10303.164	10371.691	10545.985	10698.228	10749.897
4	10189.552	10310.656	10598.526	10832.537	10919.128
5	10058.265	10234.488	10627.086	10928.679	11047.076
6	9903.611	10129.834	10609.968	10950.823	11092.866
7	9725.330	9985.065	10521.708	10885.597	11030.385
8	9520.101	9799.180	10357.948	10718.758	10849.006
9	9286.349	9563.035	10111.474	10452.421	10571.745
10	9013.168	9285.069	9794.988	10100.420	10215.479
11	8705.622	8959.867	9410.161	9667.856	9771.713
12	8369.737	8586.928	8972.349	9182.733	9268.638
13	8002.751	8176.860	8501.209	8668.715	8729.583
14	7597.246	7739.140	8008.482	8130.699	8171.871
15	7161.065	7281.706	7495.522	7576.864	7607.576
16	6708.193	6808.972	6973.177	7023.269	7047.453
17	6254.079	6330.080	6456.247	6481.155	6506.562
18	5798.184	5863.540	5960.794	5965.023	5981.955
19	5359.667	5406.792	5484.759	5474.651	5482.311
20	4940.864	4976.416	5032.740	5017.236	5016.605
21	4547.413	4570.113	4612.583	4597.505	4592.331
22	4193.094	4199.715	4232.986	4216.999	4216.628
23	3878.852	3875.421	3898.845	3880.169	3885.807
24	3599.551	3592.448	3609.418	3581.209	3593.932
25	3353.633	3342.839	3349.683	3320.825	3332.880
26	3131.676	3120.344	3115.856	3089.076	3087.425
27	2925.909	2909.070	2897.553	2872.089	2868.324
28	2723.592	2706.363	2682.142	2655.399	2659.924
29	2515.415	2499.298	2471.925	2441.009	2443.142
30	2306.254	2277.267	2249.467	2215.658	2220.387
31	2071.352	2046.519	2013.879	1984.038	1977.084
32	1820.816	1799.451	1772.708	1748.135	1739.325
33	1559.022	1544.167	1529.924	1515.180	1515.143
34	1299.139	1290.849	1290.422	1294.317	1304.202
35	1051.255	1050.680	1063.105	1084.897	1102.237
36	833.044	834.694	859.880	890.054	907.988
37	642.318	655.467	680.319	718.152	727.147
38	500.776	505.357	535.753	561.532	569.359
39	377.631	388.647	419.582	443.488	452.927
40	298.069	307.658	328.448	345.046	350.703
41	245.269	254.542	266.857	279.041	286.144
42	209.587	215.577	223.348	232.769	233.752
43	184.698	187.128	193.248	197.273	198.163
44	166.282	167.673	171.364	173.070	173.015
45	151.557	152.558	154.932	155.359	155.322
46	139.094	140.058	141.691	141.765	141.913
47	127.892	128.857	130.155	130.266	130.489
48	117.933	118.731	119.881	120.140	120.344
49	108.957	109.532	110.719	110.997	111.183
50	100.741	101.205	102.355	102.781	102.893
51	93.323	93.694	94.862	95.344	95.493
52	86.683	87.036	88.093	88.631	88.705

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	80.749	81.083	82.103	82.696	82.733
54	75.482	75.797	76.706	77.188	77.206
55	70.678	70.864	71.754	72.143	72.218
56	66.079	66.246	67.062	67.396	67.470
57	61.869	62.036	62.704	62.963	63.075
58	58.178	58.327	58.902	59.069	59.161
59	54.803	54.914	55.397	55.508	55.563
60	51.762	51.799	52.225	52.281	52.318
61	48.980	48.961	49.313	49.332	49.313
62	46.365	46.328	46.624	46.606	46.550
63	43.917	43.880	44.121	44.065	43.991
64	41.617	41.524	41.747	41.654	41.561
65	39.391	39.299	39.466	39.336	39.225
66	37.166	37.110	37.203	37.092	36.962
67	35.052	34.996	35.033	34.903	34.811
68	32.993	32.919	32.956	32.771	32.659
69	30.953	30.860	30.860	30.638	30.545
70	28.894	28.783	28.765	28.579	28.431
71	26.892	26.762	26.706	26.521	26.391
72	24.889	24.722	24.666	24.481	24.351
73	22.849	22.700	22.645	22.459	22.311
74	20.827	20.716	20.642	20.456	20.363
75	18.861	18.768	18.676	18.527	18.453
76	16.914	16.840	16.728	16.617	16.580
77	14.985	14.948	14.874	14.763	14.725
78	13.075	13.019	13.001	12.926	12.926
79	11.146	11.128	11.128	11.109	11.090
80	9.180	9.180	9.199	9.217	9.199
81	7.010	7.029	6.992	6.992	6.955
82	4.043	4.006	4.136	4.136	4.191
83	1.762	1.780	2.077	2.244	2.374
84	1.632	1.632	1.632	1.632	1.613
85	1.502	1.502	1.502	1.484	1.465
86	1.354	1.335	1.335	1.317	1.317
87	1.131	1.131	1.131	1.113	1.113
88	0.890	0.890	0.890	0.890	0.872
89	0.612	0.612	0.612	0.593	0.593
90	0.352	0.389	0.408	0.427	0.408
91	0.352	0.352	0.352	0.352	0.334
92	0.371	0.371	0.371	0.352	0.352
93	0.371	0.371	0.371	0.352	0.352
94	0.371	0.371	0.371	0.371	0.352
95	0.389	0.371	0.389	0.371	0.352
96	0.389	0.389	0.389	0.371	0.389
97	0.408	0.389	0.389	0.371	0.389
98	0.427	0.389	0.408	0.371	0.389
99	0.427	0.389	0.408	0.389	0.389
100	0.427	0.408	0.408	0.389	0.389
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

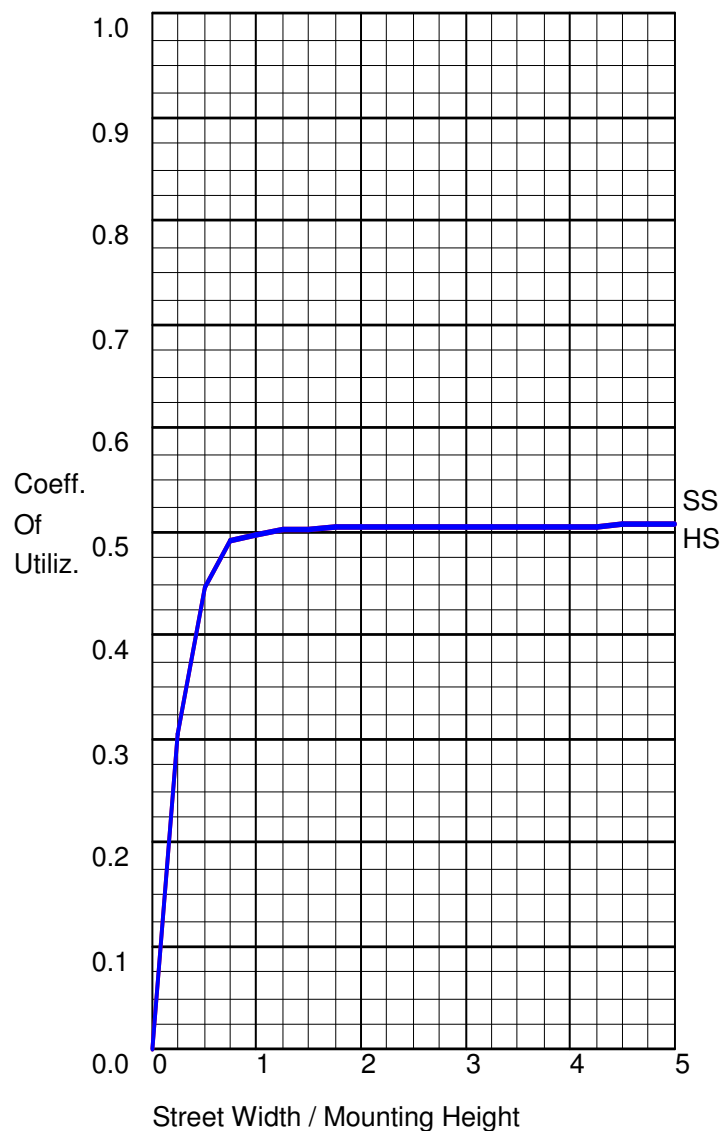
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-827-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L60-827-XXX-DIM-UNV-M-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

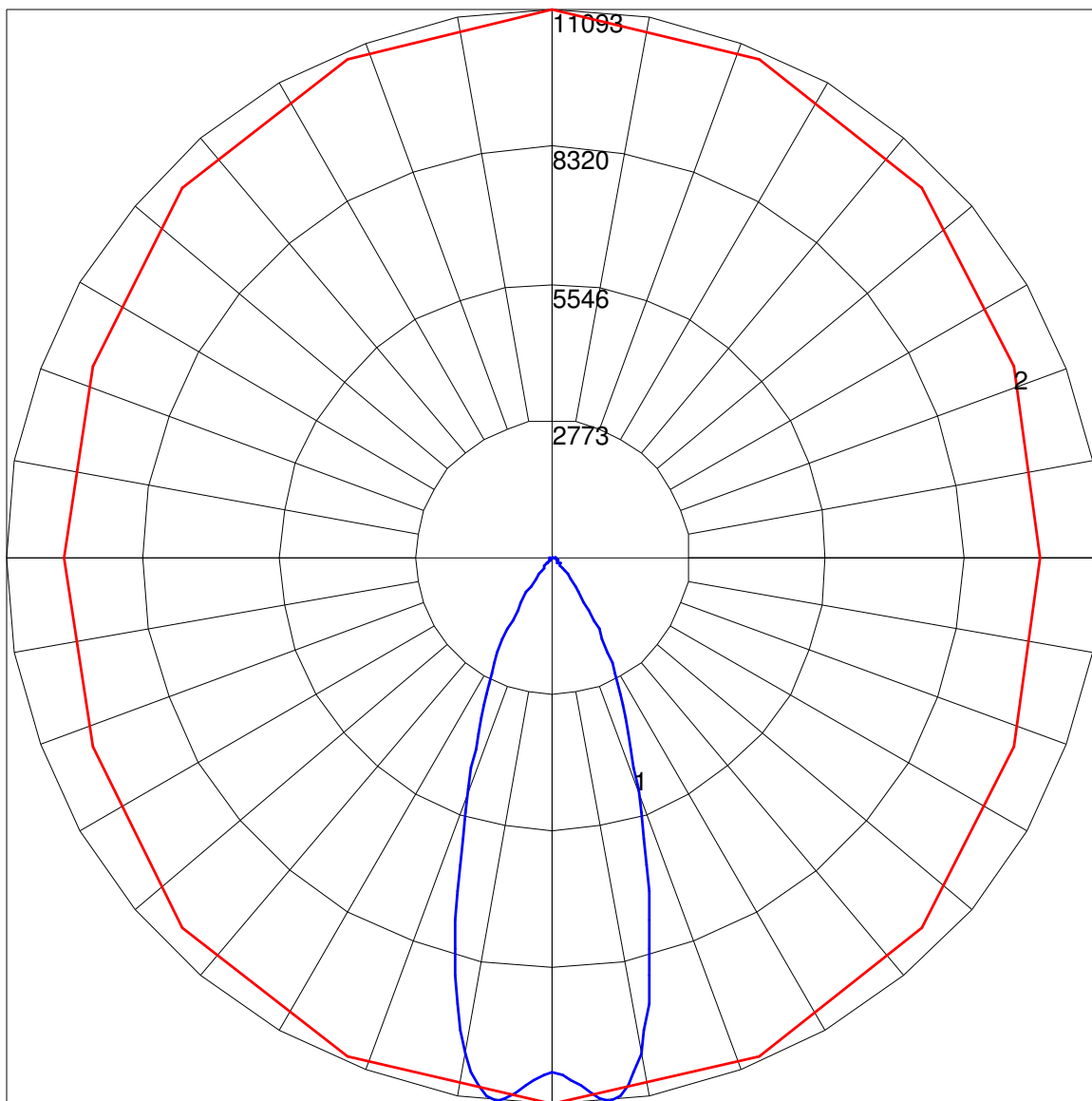
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2758.9	50.0
Downward House Side	2758.9	50.0
Downward Total	5517.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5518.2	100.0

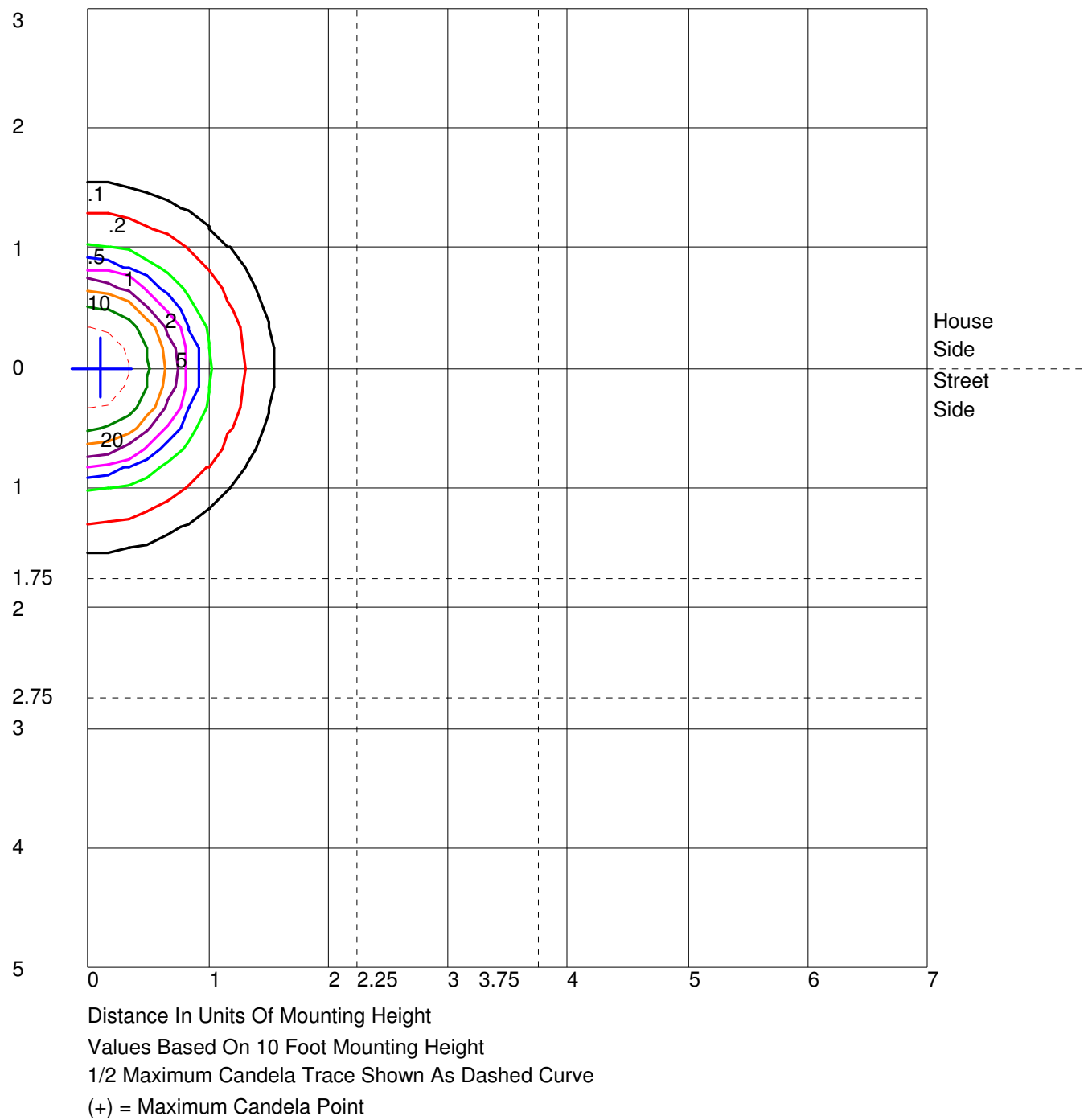
POLAR GRAPH



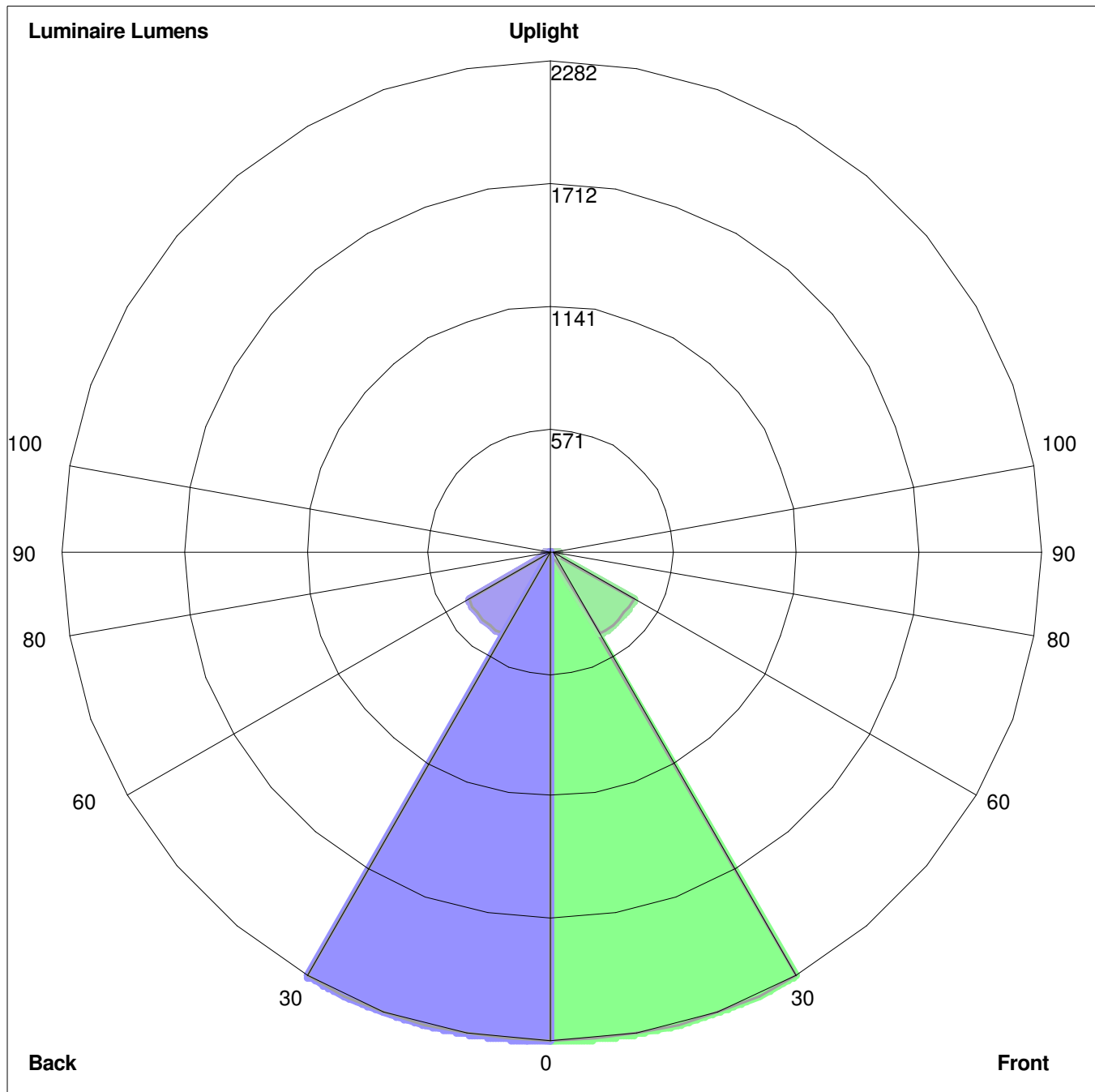
Maximum Candela = 11092.866 Located At Horizontal Angle = 90, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2282.3, Medium=445.7, High=29.5, Very High=1.4  
Back: Low=2282.3, Medium=445.7, High=29.5, Very High=1.4  
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0