

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-830-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-L60-830-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	5631
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	11319.252
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	11319.252
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.435 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.405 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-830-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2328.9	N.A.	41.4
FM - Front-Medium (30-60)	454.7	N.A.	8.1
FH - Front-High (60-80)	30.1	N.A.	0.5
FVH - Front-Very High (80-90)	1.4	N.A.	0.0
BL - Back-Low (0-30)	2328.9	N.A.	41.4
BM - Back-Medium (30-60)	454.7	N.A.	8.1
BH - Back-High (60-80)	30.1	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	5630.8	N.A.	100.0
BUG Rating	B3-U1-G0		

**IES ROAD REPORT**  
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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	10653.095	10653.095	10653.095	10653.095	10653.095
1	10648.005	10658.697	10678.757	10700.179	10706.670
2	10595.755	10626.961	10708.355	10785.339	10811.701
3	10513.434	10583.359	10761.210	10916.561	10969.284
4	10397.503	10521.079	10814.823	11053.611	11141.969
5	10263.537	10443.357	10843.967	11151.715	11272.528
6	10105.727	10336.566	10826.499	11174.310	11319.252
7	9923.807	10188.843	10736.438	11107.753	11255.496
8	9714.390	9999.164	10569.336	10937.510	11070.416
9	9475.867	9758.200	10317.831	10665.737	10787.496
10	9197.111	9474.561	9994.887	10306.552	10423.959
11	8883.288	9142.723	9602.206	9865.160	9971.137
12	8540.549	8762.172	9155.459	9370.137	9457.794
13	8166.074	8343.736	8674.704	8845.629	8907.739
14	7752.292	7897.083	8171.921	8296.633	8338.645
15	7307.210	7430.313	7648.492	7731.495	7762.833
16	6845.096	6947.931	7115.487	7166.602	7191.279
17	6381.714	6459.266	6588.008	6613.424	6639.350
18	5916.515	5983.204	6082.444	6086.759	6104.037
19	5469.048	5517.135	5596.693	5586.379	5594.195
20	5041.698	5077.976	5135.449	5119.629	5118.985
21	4640.218	4663.381	4706.718	4691.332	4686.052
22	4278.668	4285.424	4319.374	4303.061	4302.683
23	3958.013	3954.512	3978.413	3959.357	3965.110
24	3673.012	3665.764	3683.080	3654.296	3667.278
25	3422.075	3411.061	3418.044	3388.598	3400.898
26	3195.588	3184.025	3179.446	3152.119	3150.434
27	2985.622	2968.439	2956.687	2930.704	2926.862
28	2779.176	2761.595	2736.880	2709.591	2714.209
29	2566.750	2550.305	2522.372	2490.826	2493.002
30	2353.321	2323.742	2295.375	2260.876	2265.701
31	2113.625	2088.285	2054.978	2024.529	2017.432
32	1857.976	1836.175	1808.886	1783.811	1774.822
33	1590.839	1575.681	1561.147	1546.102	1546.064
34	1325.652	1317.193	1316.758	1320.732	1330.818
35	1072.709	1072.122	1084.802	1107.038	1124.732
36	850.045	851.729	877.428	908.218	926.518
37	655.427	668.844	694.203	732.808	741.987
38	510.996	515.670	546.687	572.992	580.978
39	385.338	396.579	428.145	452.538	462.171
40	304.152	313.936	335.151	352.088	357.860
41	250.275	259.737	272.303	284.736	291.984
42	213.864	219.977	227.906	237.520	238.523
43	188.468	190.947	197.192	201.299	202.207
44	169.676	171.095	174.861	176.602	176.545
45	154.650	155.672	158.094	158.529	158.492
46	141.933	142.917	144.582	144.658	144.809
47	130.502	131.487	132.811	132.925	133.152
48	120.340	121.154	122.327	122.592	122.800
49	111.181	111.767	112.978	113.262	113.452
50	102.797	103.270	104.444	104.879	104.992
51	95.227	95.606	96.798	97.290	97.442
52	88.453	88.812	89.891	90.440	90.515

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-830-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	82.397	82.737	83.778	84.384	84.422
54	77.022	77.344	78.271	78.763	78.782
55	72.121	72.310	73.218	73.616	73.691
56	67.428	67.598	68.431	68.771	68.847
57	63.132	63.302	63.983	64.248	64.362
58	59.366	59.517	60.104	60.274	60.369
59	55.922	56.035	56.527	56.641	56.697
60	52.818	52.856	53.291	53.348	53.386
61	49.979	49.960	50.320	50.339	50.320
62	47.311	47.273	47.576	47.557	47.500
63	44.813	44.775	45.021	44.964	44.889
64	42.466	42.372	42.599	42.504	42.410
65	40.195	40.101	40.271	40.139	40.025
66	37.924	37.868	37.962	37.849	37.716
67	35.767	35.710	35.748	35.616	35.521
68	33.666	33.591	33.629	33.439	33.326
69	31.585	31.490	31.490	31.263	31.168
70	29.484	29.371	29.352	29.162	29.011
71	27.440	27.308	27.251	27.062	26.929
72	25.397	25.226	25.169	24.980	24.848
73	23.315	23.163	23.107	22.917	22.766
74	21.252	21.139	21.063	20.874	20.779
75	19.246	19.151	19.057	18.905	18.830
76	17.259	17.183	17.070	16.956	16.918
77	15.291	15.253	15.177	15.064	15.026
78	13.342	13.285	13.266	13.190	13.190
79	11.374	11.355	11.355	11.336	11.317
80	9.368	9.368	9.386	9.405	9.386
81	7.153	7.172	7.134	7.134	7.097
82	4.126	4.088	4.220	4.220	4.277
83	1.798	1.817	2.120	2.290	2.422
84	1.665	1.665	1.665	1.665	1.646
85	1.533	1.533	1.533	1.514	1.495
86	1.381	1.363	1.363	1.344	1.344
87	1.154	1.154	1.154	1.135	1.135
88	0.908	0.908	0.908	0.908	0.889
89	0.625	0.625	0.625	0.606	0.606
90	0.360	0.397	0.416	0.435	0.416
91	0.360	0.360	0.360	0.360	0.341
92	0.378	0.378	0.378	0.360	0.360
93	0.378	0.378	0.378	0.360	0.360
94	0.378	0.378	0.378	0.378	0.360
95	0.397	0.378	0.397	0.378	0.360
96	0.397	0.397	0.397	0.378	0.397
97	0.416	0.397	0.397	0.378	0.397
98	0.435	0.397	0.416	0.378	0.397
99	0.435	0.397	0.416	0.397	0.397
100	0.435	0.416	0.416	0.397	0.397
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

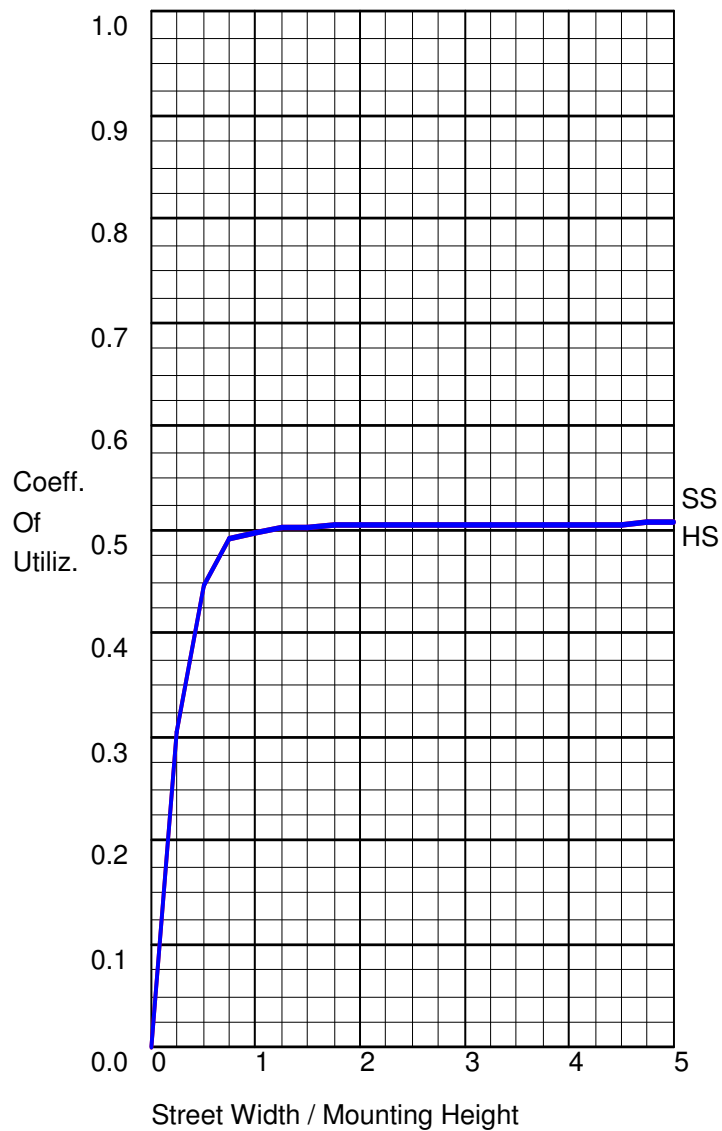
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-830-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L60-830-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

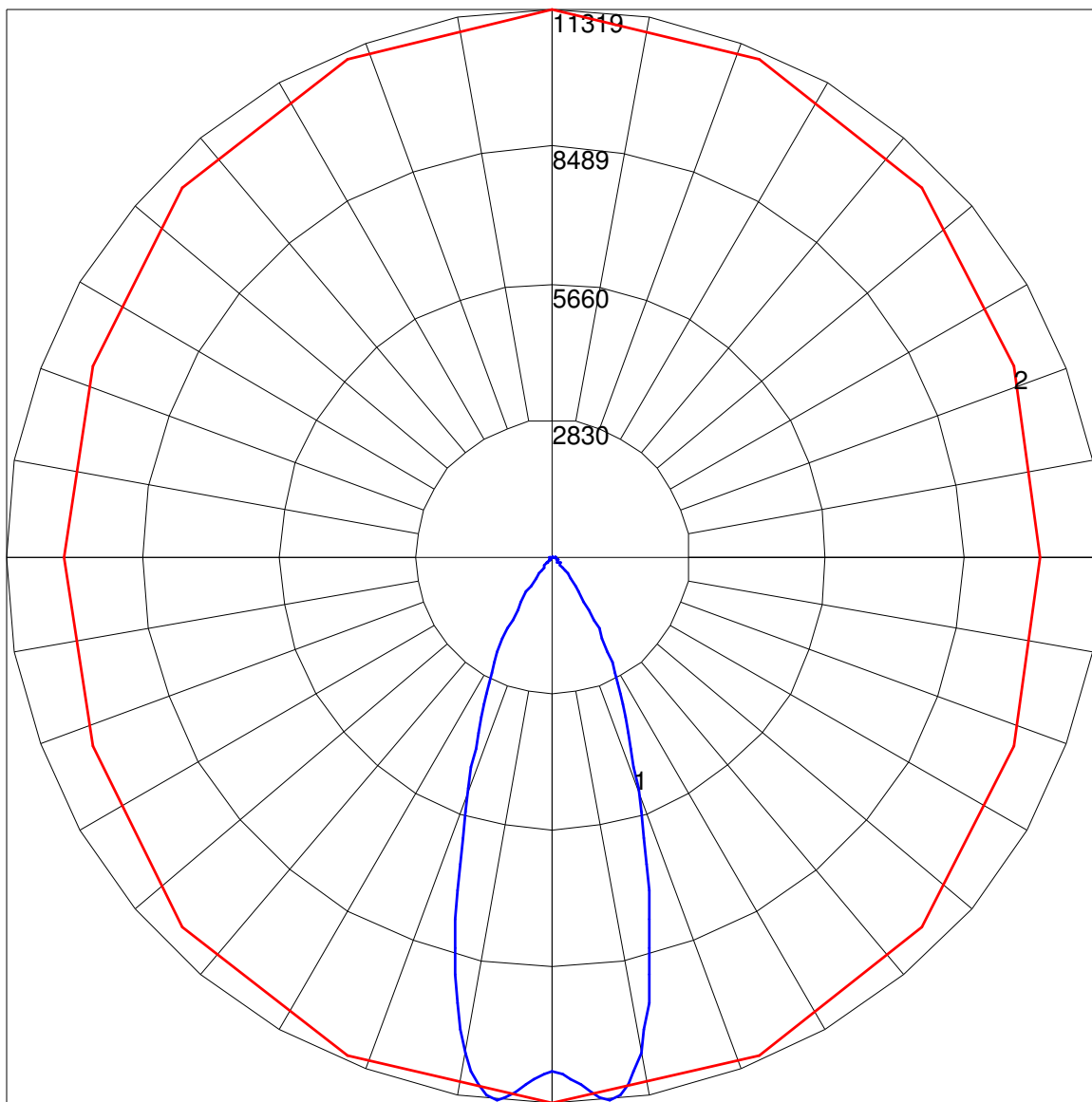
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

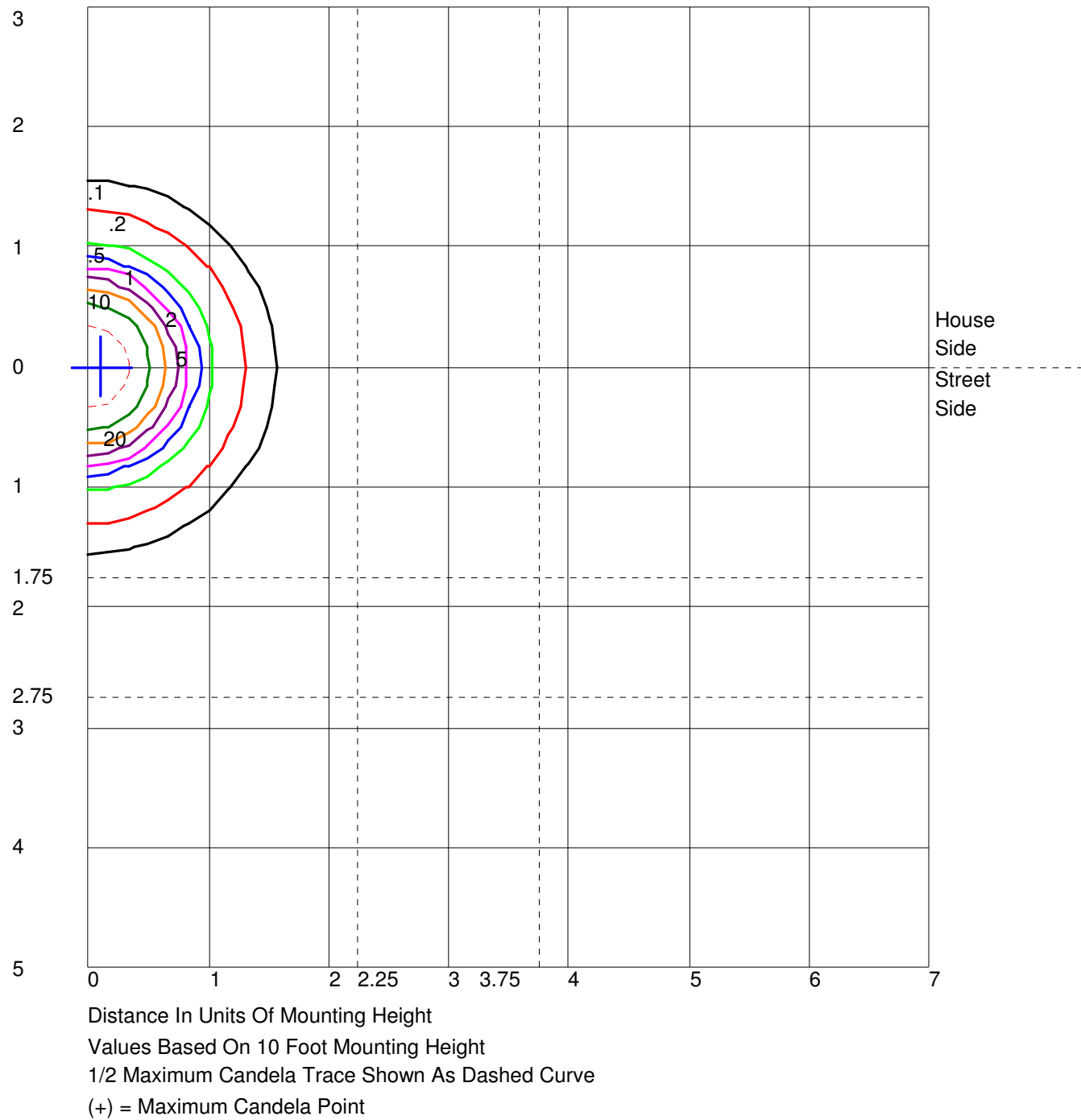
	Lumens	Percent Of Luminaire
Downward Street Side	2815.2	50.0
Downward House Side	2815.2	50.0
Downward Total	5630.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5630.8	100.0

POLAR GRAPH

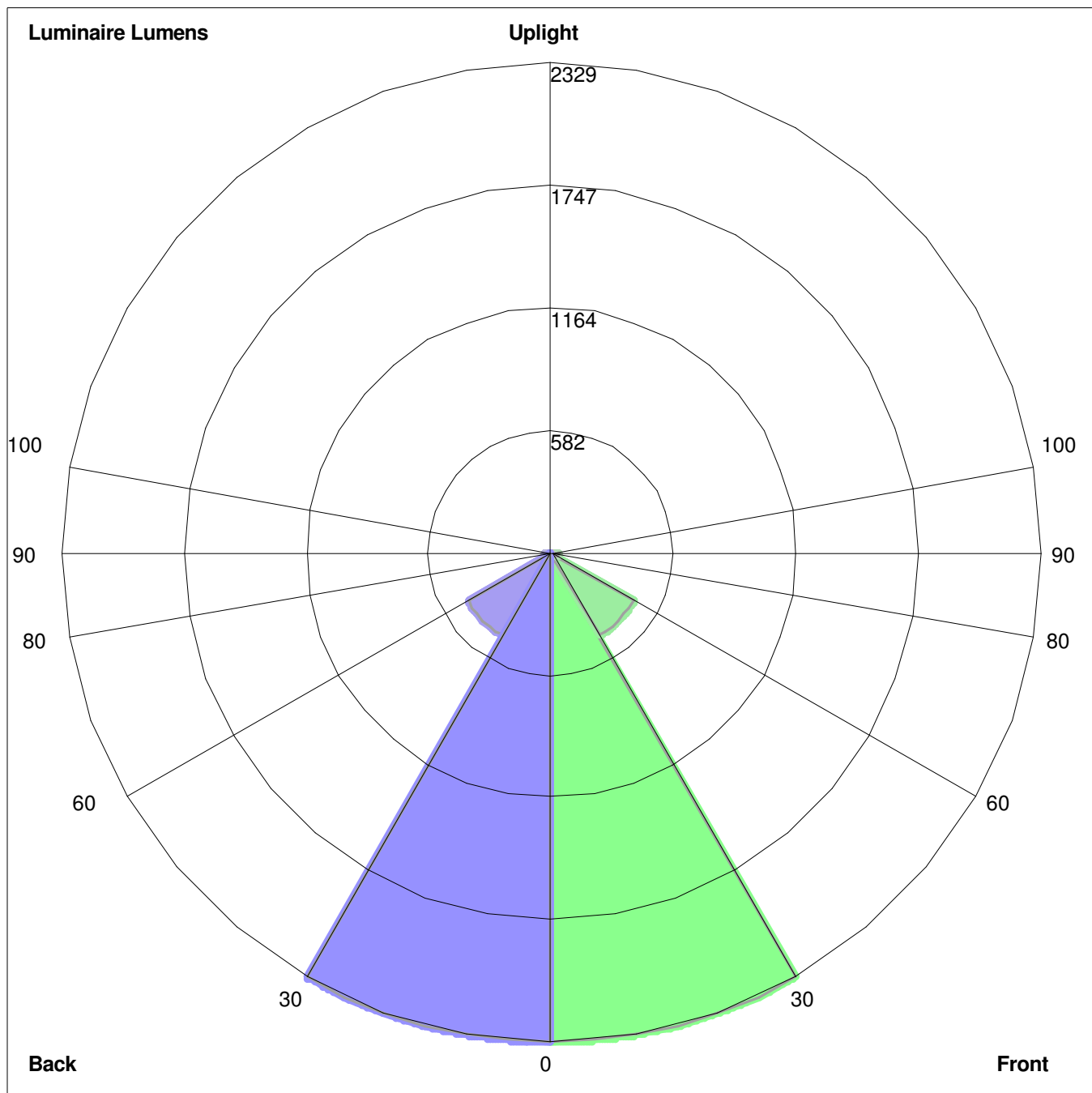


Maximum Candela = 11319.252 Located At Horizontal Angle = 90, Vertical Angle = 6  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=2328.9, Medium=454.7, High=30.1, Very High=1.4  
Back: Low=2328.9, Medium=454.7, High=30.1, Very High=1.4  
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0