

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-930-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-L50-930-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	4433
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8912.05
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	8912.05
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.343 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.405 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1833.6	N.A.	41.4
FM - Front-Medium (30-60)	358.0	N.A.	8.1
FH - Front-High (60-80)	23.7	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1833.6	N.A.	41.4
BM - Back-Medium (30-60)	358.0	N.A.	8.1
BH - Back-High (60-80)	23.7	N.A.	0.5
BVH - Back-Very High (80-90)	1.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	4433.1	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	8387.561	8387.561	8387.561	8387.561	8387.561
1	8383.553	8391.971	8407.765	8424.632	8429.743
2	8342.415	8366.984	8431.069	8491.681	8512.437
3	8277.600	8332.655	8472.684	8594.997	8636.507
4	8186.324	8283.620	8514.895	8702.901	8772.468
5	8080.848	8222.426	8537.841	8780.142	8875.262
6	7956.598	8138.347	8524.088	8797.932	8912.050
7	7813.366	8022.038	8453.180	8745.529	8861.852
8	7648.485	7872.697	8321.614	8611.491	8716.132
9	7460.687	7682.978	8123.596	8397.514	8493.380
10	7241.213	7459.659	7869.330	8114.715	8207.154
11	6994.129	7198.391	7560.159	7767.192	7850.631
12	6724.278	6898.770	7208.418	7377.442	7446.458
13	6429.440	6569.320	6829.903	6964.478	7013.380
14	6103.656	6217.654	6434.044	6532.234	6565.312
15	5753.227	5850.150	6021.930	6087.281	6111.955
16	5389.388	5470.353	5602.276	5642.521	5661.950
17	5024.550	5085.610	5186.973	5206.984	5227.397
18	4658.283	4710.790	4788.924	4792.322	4805.925
19	4305.976	4343.837	4406.476	4398.355	4404.509
20	3969.508	3998.071	4043.322	4030.866	4030.359
21	3653.408	3671.646	3705.766	3693.653	3689.496
22	3368.747	3374.066	3400.797	3387.953	3387.655
23	3116.284	3113.528	3132.346	3117.342	3121.872
24	2891.893	2886.186	2899.820	2877.157	2887.378
25	2694.321	2685.650	2691.148	2667.963	2677.648
26	2516.000	2506.896	2503.291	2481.775	2480.449
27	2350.687	2337.157	2327.905	2307.447	2304.423
28	2188.144	2174.302	2154.843	2133.358	2136.993
29	2020.894	2007.946	1985.954	1961.116	1962.829
30	1852.853	1829.565	1807.230	1780.068	1783.867
31	1664.132	1644.181	1617.958	1593.984	1588.396
32	1462.850	1445.686	1424.200	1404.458	1397.381
33	1252.524	1240.590	1229.147	1217.301	1217.271
34	1043.733	1037.073	1036.730	1039.859	1047.801
35	844.582	844.120	854.103	871.610	885.542
36	669.271	670.597	690.831	715.073	729.481
37	516.041	526.605	546.570	576.966	584.193
38	402.325	406.005	430.426	451.137	457.425
39	303.390	312.241	337.094	356.300	363.884
40	239.470	247.173	263.876	277.211	281.756
41	197.050	204.500	214.394	224.183	229.889
42	168.383	173.196	179.439	187.008	187.797
43	148.387	150.339	155.256	158.489	159.205
44	133.592	134.709	137.674	139.045	139.001
45	121.761	122.566	124.473	124.816	124.786
46	111.749	112.524	113.835	113.894	114.013
47	102.749	103.524	104.567	104.656	104.835
48	94.748	95.389	96.312	96.521	96.685
49	87.536	87.998	88.952	89.175	89.324
50	80.936	81.308	82.232	82.575	82.664
51	74.976	75.274	76.213	76.600	76.719
52	69.642	69.925	70.774	71.206	71.266

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	64.874	65.142	65.962	66.438	66.468
54	60.642	60.896	61.626	62.013	62.028
55	56.783	56.932	57.647	57.960	58.020
56	53.088	53.222	53.878	54.146	54.206
57	49.706	49.840	50.376	50.585	50.674
58	46.741	46.860	47.322	47.456	47.530
59	44.029	44.118	44.506	44.595	44.640
60	41.585	41.615	41.958	42.003	42.032
61	39.350	39.336	39.619	39.634	39.619
62	37.250	37.220	37.458	37.443	37.399
63	35.283	35.253	35.447	35.402	35.342
64	33.435	33.361	33.540	33.465	33.391
65	31.647	31.573	31.707	31.603	31.513
66	29.859	29.815	29.889	29.800	29.695
67	28.161	28.116	28.146	28.041	27.967
68	26.507	26.447	26.477	26.328	26.239
69	24.868	24.793	24.793	24.615	24.540
70	23.214	23.125	23.110	22.961	22.841
71	21.605	21.500	21.456	21.307	21.202
72	19.996	19.861	19.817	19.668	19.563
73	18.357	18.237	18.193	18.044	17.924
74	16.733	16.643	16.584	16.435	16.360
75	15.153	15.079	15.004	14.885	14.825
76	13.589	13.529	13.440	13.350	13.320
77	12.039	12.009	11.950	11.860	11.830
78	10.504	10.460	10.445	10.385	10.385
79	8.955	8.940	8.940	8.925	8.910
80	7.375	7.375	7.390	7.405	7.390
81	5.632	5.647	5.617	5.617	5.587
82	3.248	3.218	3.323	3.323	3.367
83	1.415	1.430	1.669	1.803	1.907
84	1.311	1.311	1.311	1.311	1.296
85	1.207	1.207	1.207	1.192	1.177
86	1.088	1.073	1.073	1.058	1.058
87	0.909	0.909	0.909	0.894	0.894
88	0.715	0.715	0.715	0.715	0.700
89	0.492	0.492	0.492	0.477	0.477
90	0.283	0.313	0.328	0.343	0.328
91	0.283	0.283	0.283	0.283	0.268
92	0.298	0.298	0.298	0.283	0.283
93	0.298	0.298	0.298	0.283	0.283
94	0.298	0.298	0.298	0.298	0.283
95	0.313	0.298	0.313	0.298	0.283
96	0.313	0.313	0.313	0.298	0.313
97	0.328	0.313	0.313	0.298	0.313
98	0.343	0.313	0.328	0.298	0.313
99	0.343	0.313	0.328	0.313	0.313
100	0.343	0.328	0.328	0.313	0.313
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

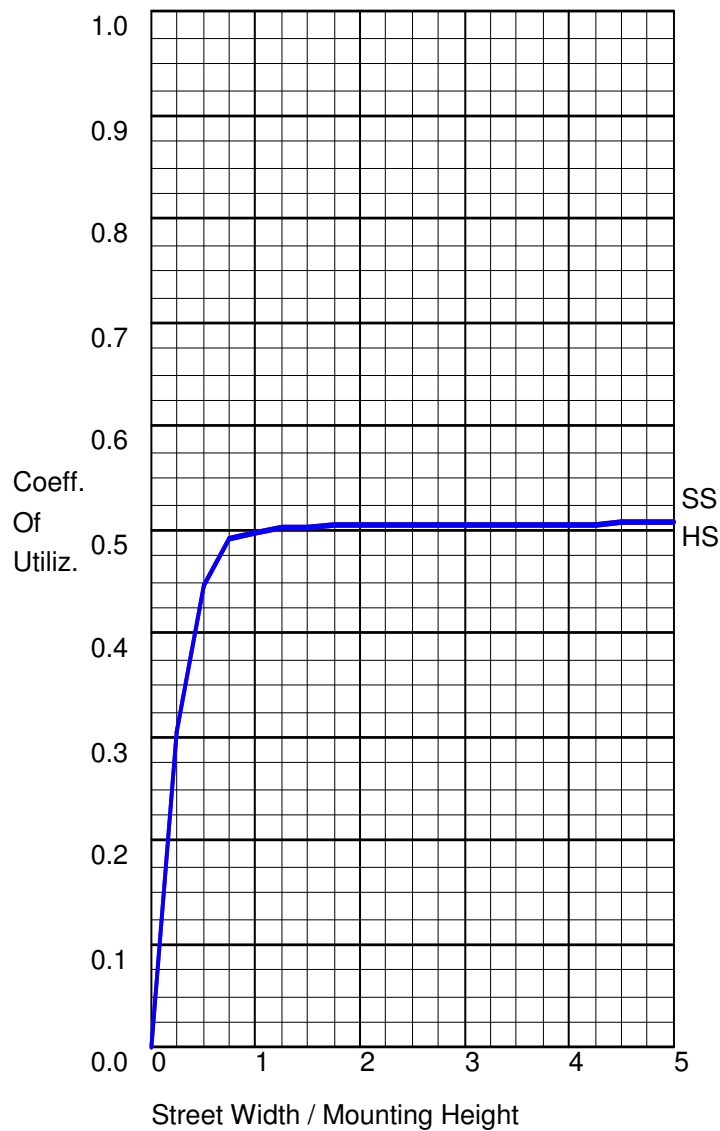
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-930-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L50-930-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

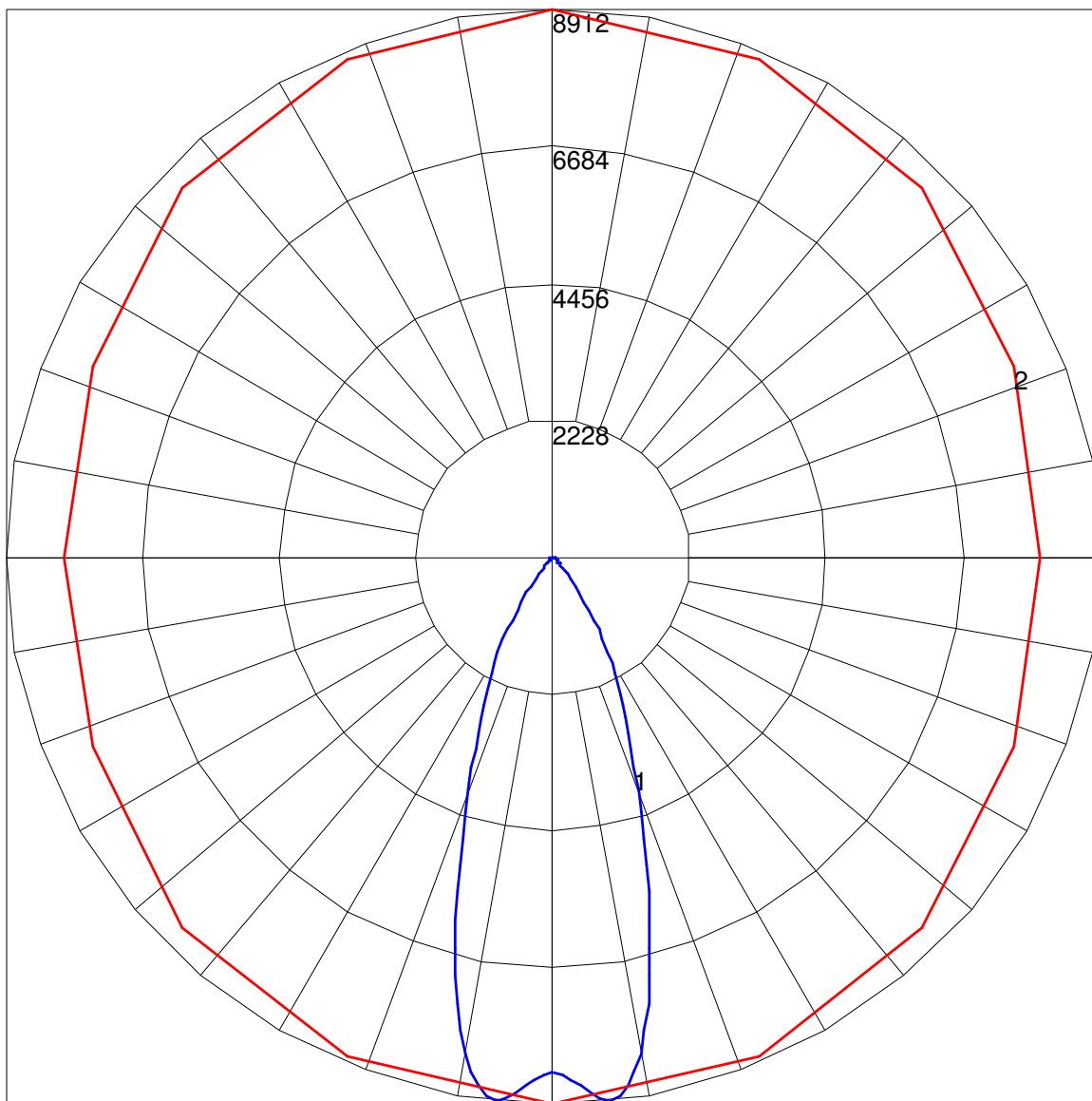
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

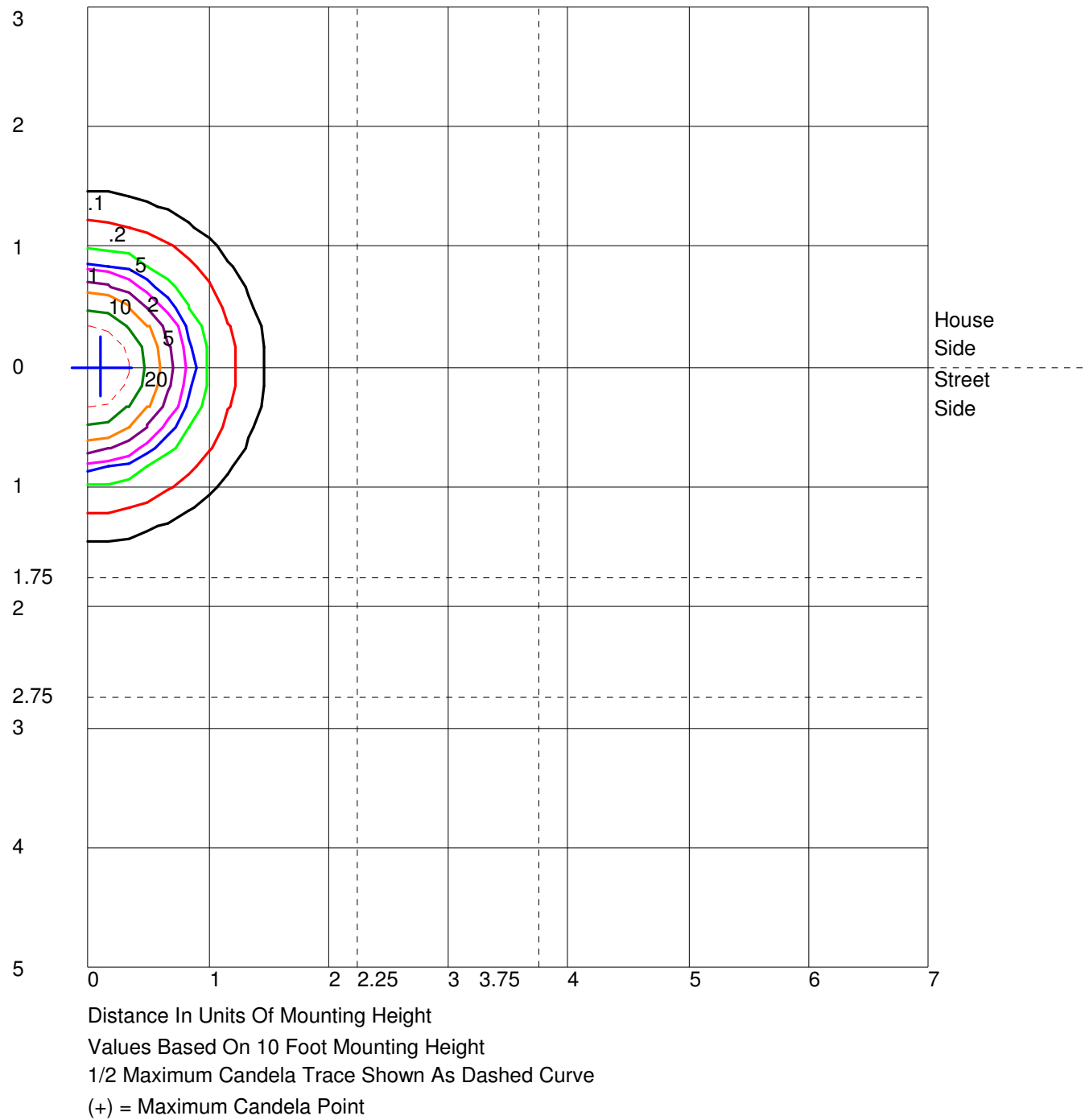
	Lumens	Percent Of Luminaire
Downward Street Side	2216.5	50.0
Downward House Side	2216.5	50.0
Downward Total	4433.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4433.4	100.0

POLAR GRAPH

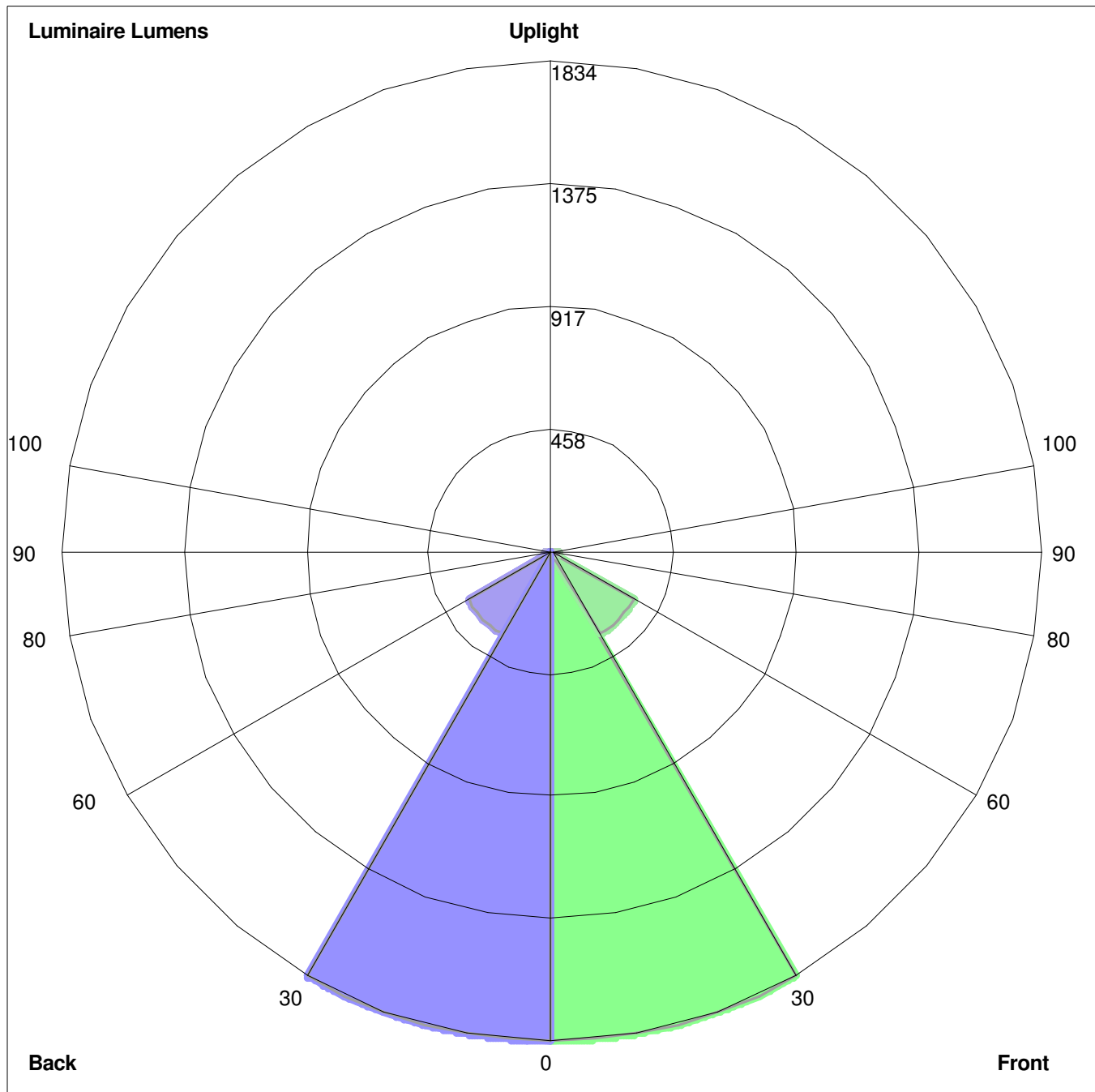


Maximum Candela = 8912.05 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1833.6, Medium=358.0, High=23.7, Very High=1.1
Back: Low=1833.6, Medium=358.0, High=23.7, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0