

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-950-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-L50-950-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	4387
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8818.239
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	8818.239
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.339 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.327 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-950-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1814.3	N.A.	41.4
FM - Front-Medium (30-60)	354.3	N.A.	8.1
FH - Front-High (60-80)	23.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1814.3	N.A.	41.4
BM - Back-Medium (30-60)	354.3	N.A.	8.1
BH - Back-High (60-80)	23.5	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	4386.7	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-950-XXX-DIM-UNV-M-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	8299.271	8299.271	8299.271	8299.271	8299.271
1	8295.305	8303.635	8319.263	8335.952	8341.009
2	8254.600	8278.911	8342.321	8402.295	8422.832
3	8190.468	8244.943	8383.498	8504.523	8545.597
4	8100.152	8196.424	8425.265	8611.292	8680.127
5	7995.787	8135.875	8447.969	8687.719	8781.839
6	7872.845	8052.680	8434.361	8705.323	8818.239
7	7731.121	7937.596	8364.199	8653.471	8768.570
8	7567.975	7789.827	8234.019	8520.843	8624.384
9	7382.154	7602.105	8038.084	8309.119	8403.976
10	7164.990	7381.137	7786.495	8029.297	8120.763
11	6920.507	7122.618	7480.578	7685.432	7767.993
12	6653.496	6826.152	7132.540	7299.785	7368.074
13	6361.762	6500.169	6758.009	6891.168	6939.555
14	6039.407	6152.205	6366.318	6463.474	6496.203
15	5692.666	5788.569	5958.541	6023.204	6047.619
16	5332.657	5412.771	5543.305	5583.126	5602.351
17	4971.660	5032.077	5132.374	5152.174	5172.371
18	4609.248	4661.203	4738.515	4741.876	4755.337
19	4260.650	4298.112	4360.092	4352.057	4358.146
20	3927.724	3955.986	4000.761	3988.436	3987.934
21	3614.952	3632.997	3666.758	3654.772	3650.659
22	3333.287	3338.550	3364.999	3352.290	3351.996
23	3083.482	3080.754	3099.374	3084.528	3089.010
24	2861.452	2855.806	2869.295	2846.871	2856.985
25	2665.960	2657.380	2662.820	2639.880	2649.463
26	2489.516	2480.508	2476.940	2455.651	2454.339
27	2325.942	2312.556	2303.400	2283.158	2280.166
28	2165.111	2151.415	2132.161	2110.901	2114.499
29	1999.621	1986.809	1965.049	1940.472	1942.168
30	1833.350	1810.306	1788.207	1761.330	1765.090
31	1646.615	1626.874	1600.926	1577.205	1571.676
32	1447.452	1430.468	1409.209	1389.674	1382.671
33	1239.340	1227.531	1216.208	1204.488	1204.458
34	1032.746	1026.156	1025.817	1028.913	1036.771
35	835.692	835.235	845.112	862.435	876.220
36	662.226	663.538	683.559	707.546	721.802
37	510.609	521.061	540.817	570.893	578.043
38	398.090	401.732	425.895	446.388	452.610
39	300.197	308.954	333.545	352.549	360.053
40	236.949	244.571	261.098	274.293	278.790
41	194.976	202.348	212.137	221.823	227.470
42	166.611	171.373	177.550	185.039	185.821
43	146.825	148.757	153.622	156.821	157.529
44	132.186	133.291	136.225	137.582	137.537
45	120.480	121.276	123.163	123.502	123.473
46	110.572	111.339	112.636	112.695	112.813
47	101.668	102.434	103.466	103.555	103.732
48	93.751	94.385	95.299	95.505	95.667
49	86.615	87.072	88.016	88.237	88.384
50	80.084	80.452	81.367	81.706	81.794
51	74.187	74.482	75.410	75.794	75.912
52	68.909	69.189	70.029	70.457	70.516

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	64.191	64.456	65.267	65.739	65.768
54	60.004	60.255	60.977	61.360	61.375
55	56.186	56.333	57.041	57.350	57.409
56	52.529	52.662	53.311	53.576	53.635
57	49.183	49.315	49.846	50.052	50.141
58	46.249	46.367	46.824	46.956	47.030
59	43.566	43.654	44.037	44.126	44.170
60	41.148	41.177	41.516	41.560	41.590
61	38.936	38.921	39.202	39.216	39.202
62	36.857	36.828	37.064	37.049	37.005
63	34.911	34.882	35.074	35.029	34.970
64	33.083	33.010	33.186	33.113	33.039
65	31.314	31.240	31.373	31.270	31.181
66	29.545	29.501	29.574	29.486	29.383
67	27.864	27.820	27.850	27.746	27.673
68	26.228	26.169	26.198	26.051	25.962
69	24.606	24.532	24.532	24.355	24.282
70	22.970	22.881	22.866	22.719	22.601
71	21.377	21.274	21.230	21.082	20.979
72	19.785	19.652	19.608	19.461	19.358
73	18.163	18.045	18.001	17.854	17.736
74	16.556	16.468	16.409	16.262	16.188
75	14.994	14.920	14.846	14.728	14.669
76	13.446	13.387	13.298	13.210	13.180
77	11.912	11.883	11.824	11.735	11.706
78	10.394	10.350	10.335	10.276	10.276
79	8.861	8.846	8.846	8.831	8.816
80	7.298	7.298	7.313	7.327	7.313
81	5.573	5.588	5.558	5.558	5.529
82	3.214	3.184	3.288	3.288	3.332
83	1.401	1.415	1.651	1.784	1.887
84	1.297	1.297	1.297	1.297	1.283
85	1.194	1.194	1.194	1.179	1.165
86	1.076	1.061	1.061	1.047	1.047
87	0.899	0.899	0.899	0.885	0.885
88	0.708	0.708	0.708	0.708	0.693
89	0.487	0.487	0.487	0.472	0.472
90	0.280	0.310	0.324	0.339	0.324
91	0.280	0.280	0.280	0.280	0.265
92	0.295	0.295	0.295	0.280	0.280
93	0.295	0.295	0.295	0.280	0.280
94	0.295	0.295	0.295	0.295	0.280
95	0.310	0.295	0.310	0.295	0.280
96	0.310	0.310	0.310	0.295	0.310
97	0.324	0.310	0.310	0.295	0.310
98	0.339	0.310	0.324	0.295	0.310
99	0.339	0.310	0.324	0.310	0.310
100	0.339	0.324	0.324	0.310	0.310
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

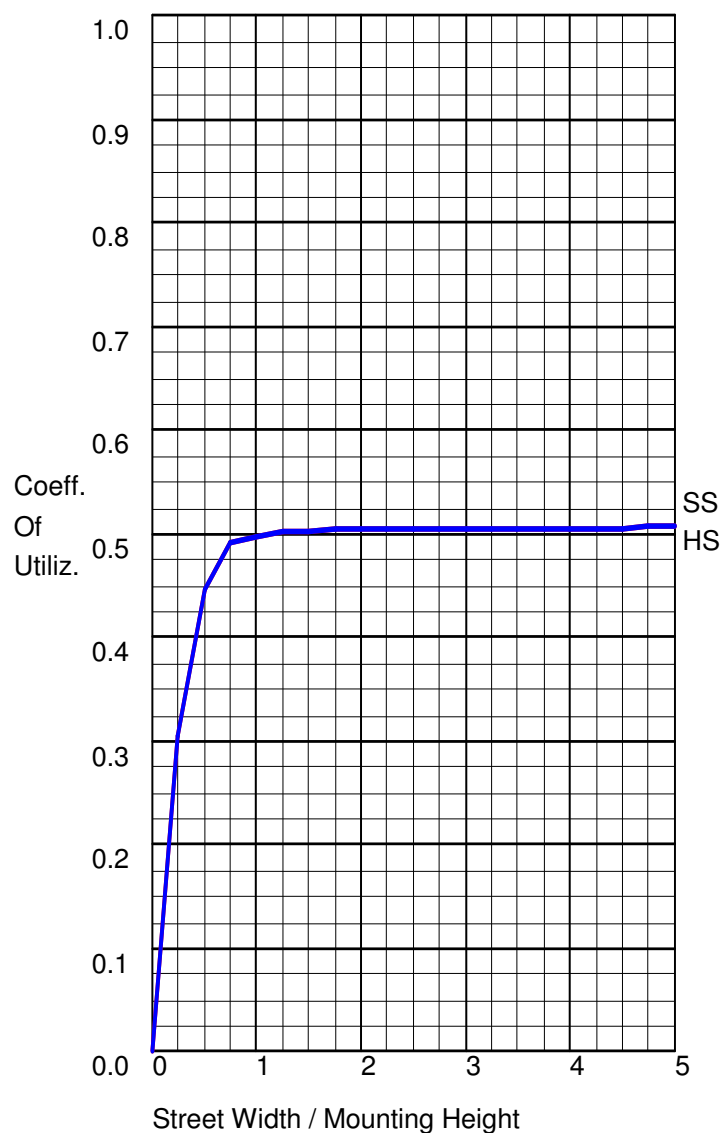
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L50-950-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

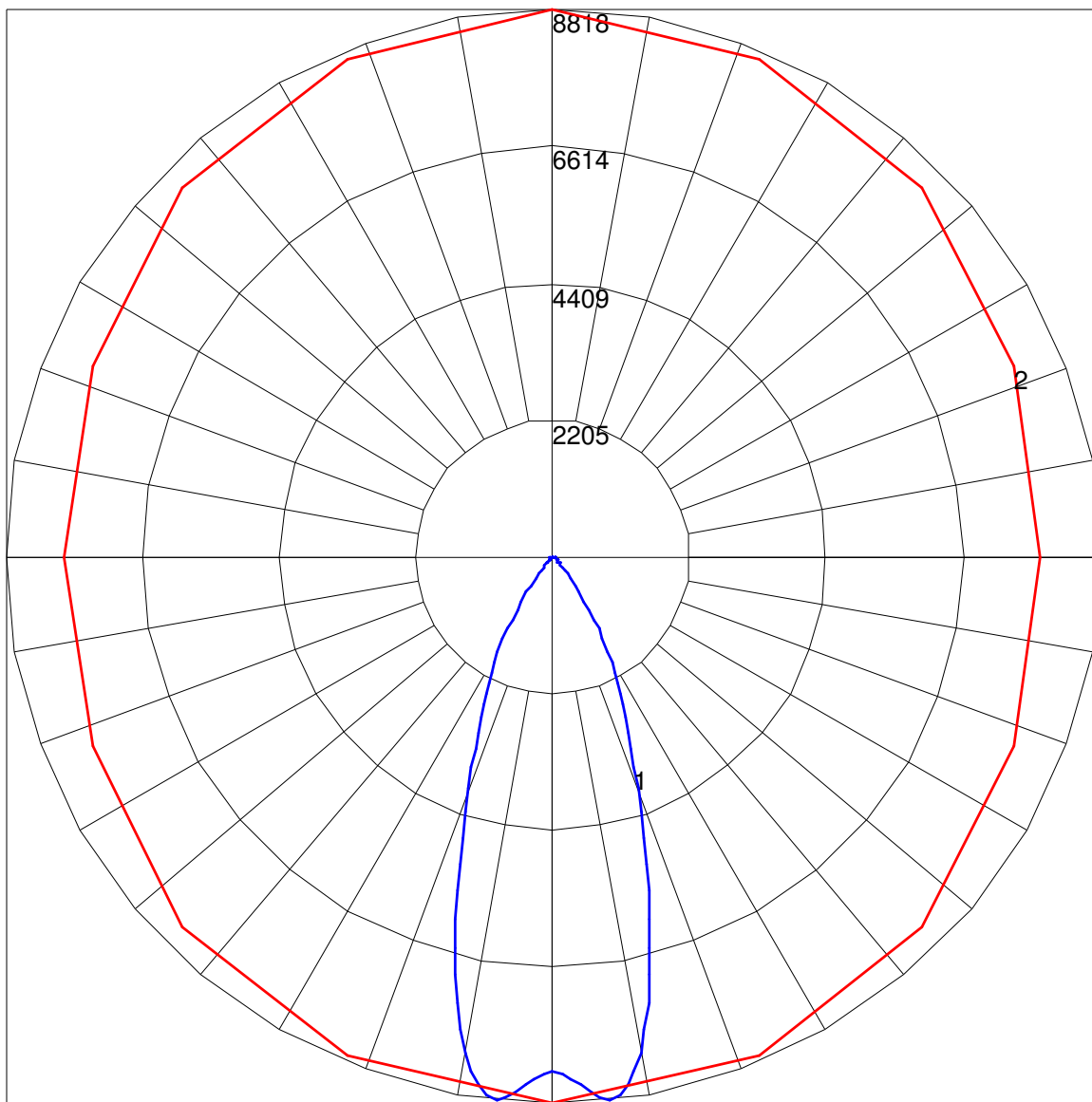
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

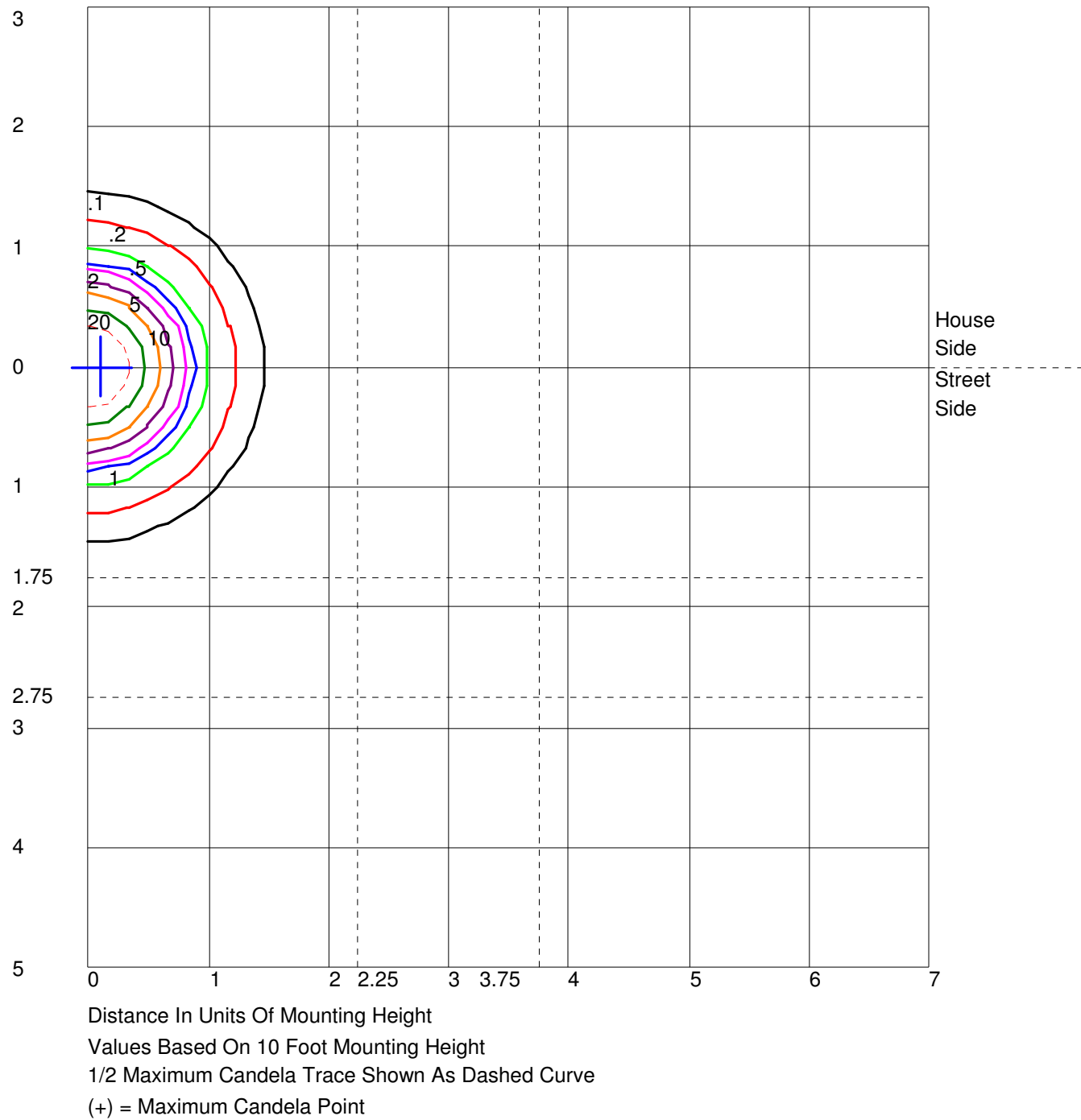
	Lumens	Percent Of Luminaire
Downward Street Side	2193.2	50.0
Downward House Side	2193.2	50.0
Downward Total	4386.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4386.8	100.0

POLAR GRAPH

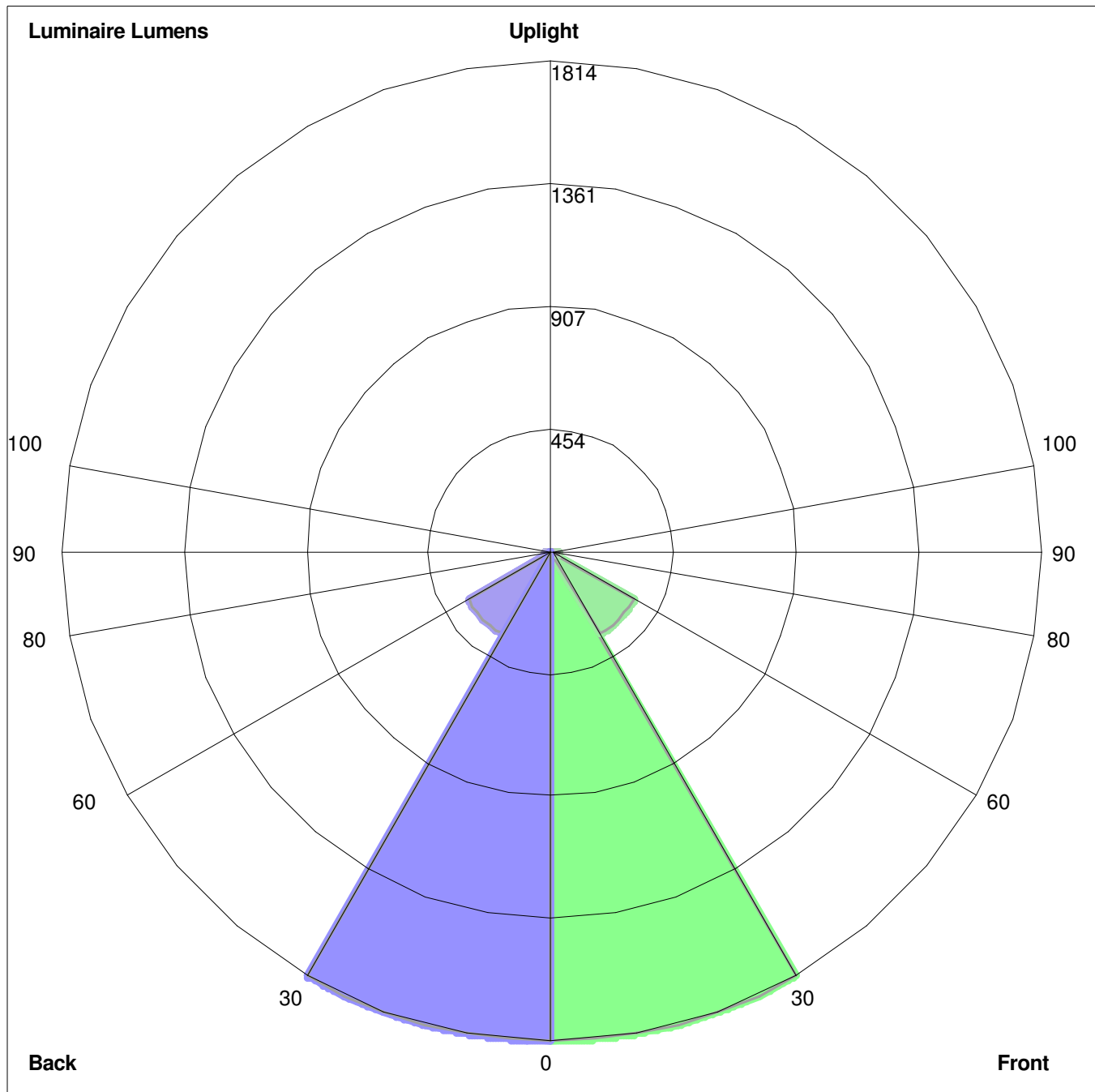


Maximum Candela = 8818.239 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1814.3, Medium=354.3, High=23.5, Very High=1.1
Back: Low=1814.3, Medium=354.3, High=23.5, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0