

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-935-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-L50-935-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	4480
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9005.861
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	9005.861
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.346 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.483 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-935-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1852.9	N.A.	41.4
FM - Front-Medium (30-60)	361.8	N.A.	8.1
FH - Front-High (60-80)	24.0	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1852.9	N.A.	41.4
BM - Back-Medium (30-60)	361.8	N.A.	8.1
BH - Back-High (60-80)	24.0	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	4479.9	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	8475.851	8475.851	8475.851	8475.851	8475.851
1	8471.801	8480.308	8496.268	8513.312	8518.477
2	8430.229	8455.058	8519.817	8581.067	8602.041
3	8364.733	8420.367	8561.870	8685.470	8727.418
4	8272.496	8370.816	8604.525	8794.510	8864.810
5	8165.910	8308.978	8627.713	8872.564	8968.686
6	8040.352	8224.013	8613.815	8890.542	9005.861
7	7895.612	8106.481	8542.161	8837.588	8955.135
8	7728.995	7955.568	8409.210	8702.138	8807.881
9	7539.221	7763.851	8209.107	8485.909	8582.784
10	7317.436	7538.182	7952.165	8200.133	8293.545
11	7067.751	7274.163	7639.739	7848.952	7933.269
12	6795.060	6971.389	7284.296	7455.099	7524.842
13	6497.119	6638.471	6901.797	7037.789	7087.205
14	6167.905	6283.103	6501.771	6600.995	6634.420
15	5813.787	5911.730	6085.319	6151.357	6176.291
16	5446.118	5527.936	5661.248	5701.916	5721.550
17	5077.440	5139.143	5241.573	5261.794	5282.422
18	4707.317	4760.377	4839.334	4842.767	4856.514
19	4351.302	4389.561	4452.860	4444.654	4450.872
20	4011.293	4040.156	4085.883	4073.296	4072.784
21	3691.865	3710.295	3744.774	3732.533	3728.333
22	3404.208	3409.583	3436.595	3423.616	3423.315
23	3149.087	3146.302	3165.319	3150.156	3154.734
24	2922.334	2916.567	2930.344	2907.443	2917.772
25	2722.683	2713.920	2719.475	2696.047	2705.834
26	2542.484	2533.285	2529.641	2507.899	2506.559
27	2375.431	2361.759	2352.409	2331.736	2328.680
28	2211.177	2197.190	2177.526	2155.814	2159.488
29	2042.166	2029.082	2006.858	1981.759	1983.490
30	1872.357	1848.824	1826.254	1798.805	1802.645
31	1681.649	1661.488	1634.989	1610.763	1605.116
32	1478.249	1460.903	1439.192	1419.242	1412.090
33	1265.709	1253.648	1242.085	1230.115	1230.085
34	1054.720	1047.989	1047.643	1050.805	1058.830
35	853.472	853.006	863.093	880.785	894.863
36	676.315	677.656	698.102	722.600	737.159
37	521.473	532.148	552.324	583.039	590.342
38	406.560	410.279	434.957	455.886	462.240
39	306.584	315.528	340.642	360.050	367.714
40	241.991	249.775	266.654	280.129	284.722
41	199.124	206.653	216.650	226.543	232.309
42	170.155	175.019	181.327	188.976	189.774
43	149.949	151.922	156.890	160.158	160.881
44	134.998	136.127	139.124	140.509	140.464
45	123.043	123.856	125.783	126.130	126.100
46	112.925	113.708	115.033	115.093	115.214
47	103.831	104.614	105.668	105.758	105.939
48	95.745	96.393	97.326	97.537	97.703
49	88.458	88.925	89.888	90.114	90.265
50	81.788	82.164	83.098	83.444	83.534
51	75.765	76.066	77.015	77.406	77.527
52	70.375	70.661	71.519	71.956	72.016

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	65.557	65.828	66.656	67.138	67.168
54	61.281	61.537	62.274	62.666	62.681
55	57.381	57.532	58.254	58.570	58.631
56	53.647	53.782	54.445	54.716	54.776
57	50.229	50.365	50.907	51.117	51.208
58	47.233	47.353	47.820	47.955	48.031
59	44.492	44.583	44.974	45.065	45.110
60	42.023	42.053	42.400	42.445	42.475
61	39.765	39.750	40.036	40.051	40.036
62	37.642	37.612	37.852	37.837	37.792
63	35.654	35.624	35.820	35.775	35.714
64	33.787	33.712	33.893	33.817	33.742
65	31.980	31.905	32.041	31.935	31.845
66	30.174	30.128	30.204	30.113	30.008
67	28.457	28.412	28.442	28.337	28.261
68	26.786	26.726	26.756	26.605	26.515
69	25.130	25.054	25.054	24.874	24.798
70	23.458	23.368	23.353	23.202	23.082
71	21.832	21.727	21.682	21.531	21.426
72	20.206	20.071	20.025	19.875	19.769
73	18.550	18.429	18.384	18.234	18.113
74	16.909	16.818	16.758	16.608	16.532
75	15.313	15.237	15.162	15.042	14.981
76	13.732	13.671	13.581	13.491	13.461
77	12.166	12.136	12.075	11.985	11.955
78	10.615	10.570	10.555	10.494	10.494
79	9.049	9.034	9.034	9.019	9.004
80	7.453	7.453	7.468	7.483	7.468
81	5.691	5.706	5.676	5.676	5.646
82	3.282	3.252	3.358	3.358	3.403
83	1.430	1.445	1.686	1.822	1.927
84	1.325	1.325	1.325	1.325	1.310
85	1.220	1.220	1.220	1.205	1.189
86	1.099	1.084	1.084	1.069	1.069
87	0.918	0.918	0.918	0.903	0.903
88	0.723	0.723	0.723	0.723	0.708
89	0.497	0.497	0.497	0.482	0.482
90	0.286	0.316	0.331	0.346	0.331
91	0.286	0.286	0.286	0.286	0.271
92	0.301	0.301	0.301	0.286	0.286
93	0.301	0.301	0.301	0.286	0.286
94	0.301	0.301	0.301	0.301	0.286
95	0.316	0.301	0.316	0.301	0.286
96	0.316	0.316	0.316	0.301	0.316
97	0.331	0.316	0.316	0.301	0.316
98	0.346	0.316	0.331	0.301	0.316
99	0.346	0.316	0.331	0.316	0.316
100	0.346	0.331	0.331	0.316	0.316
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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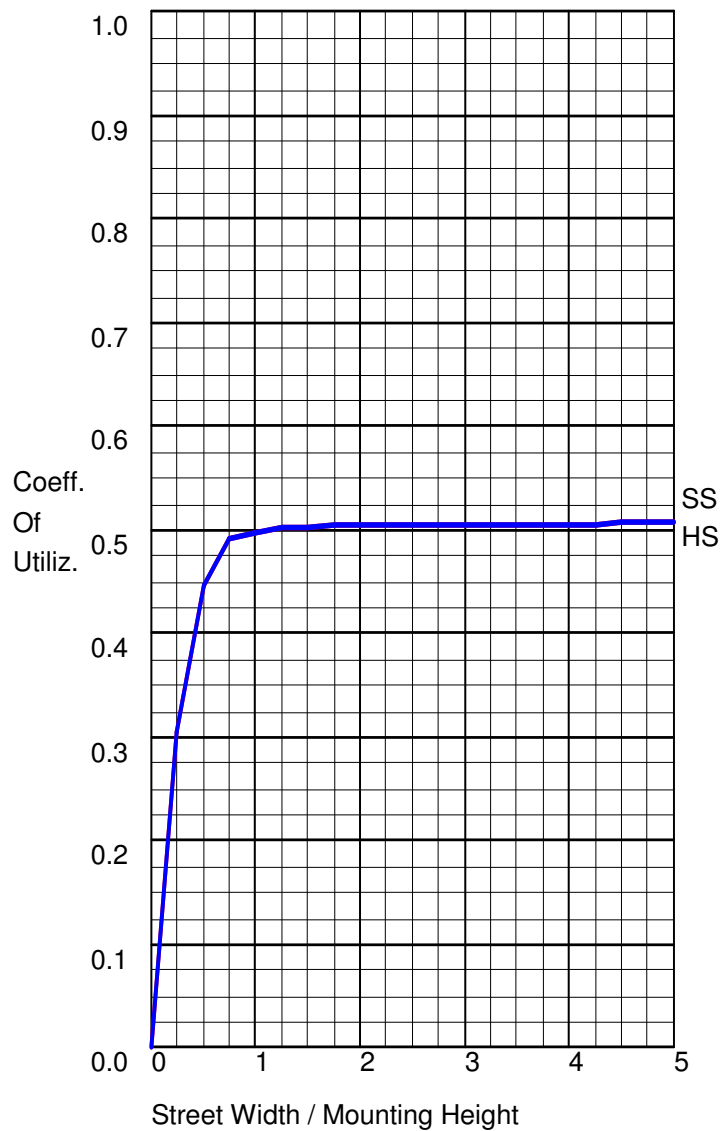
CANDELA TABULATION - (Cont.)

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-L50-935-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

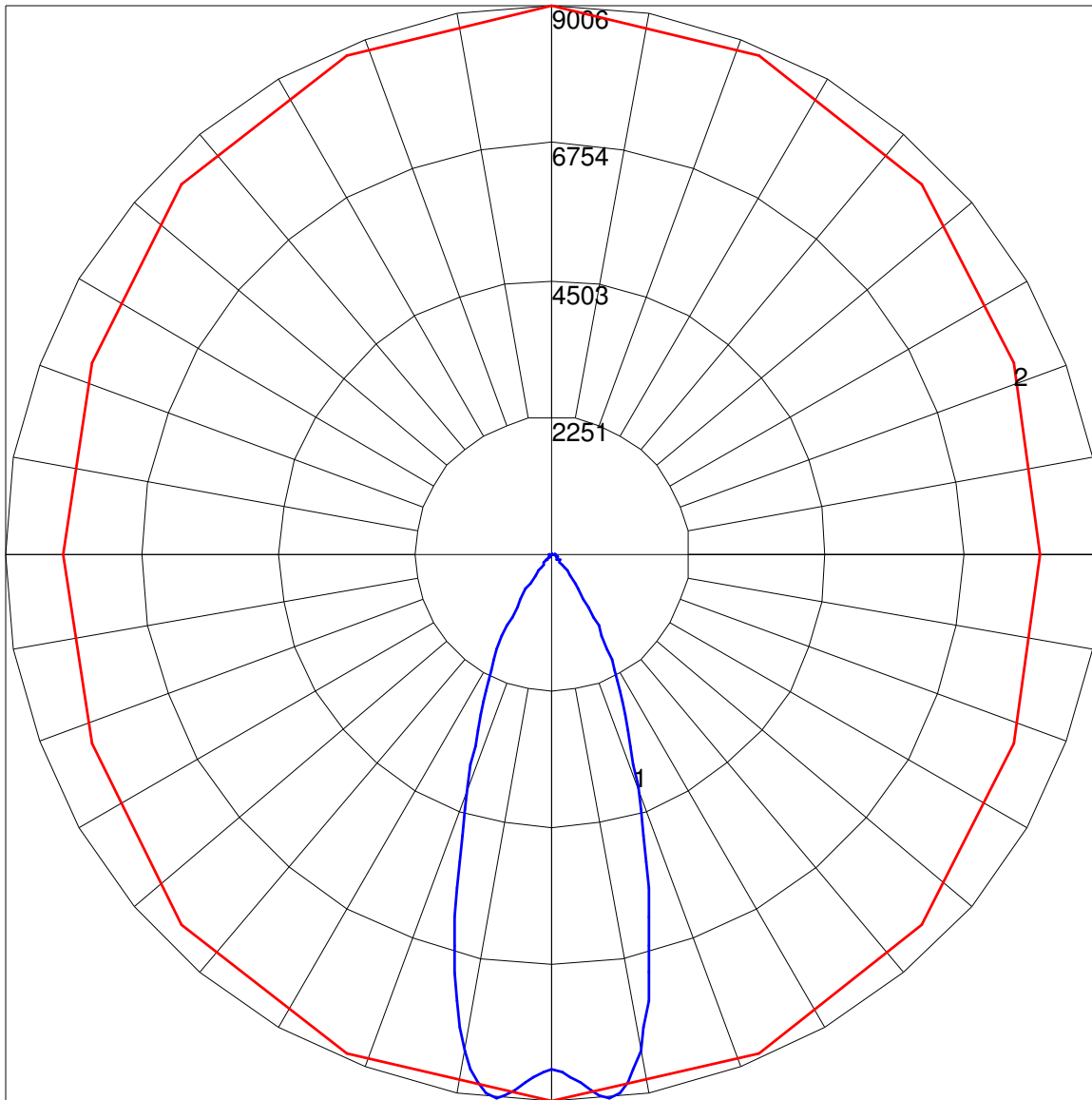
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

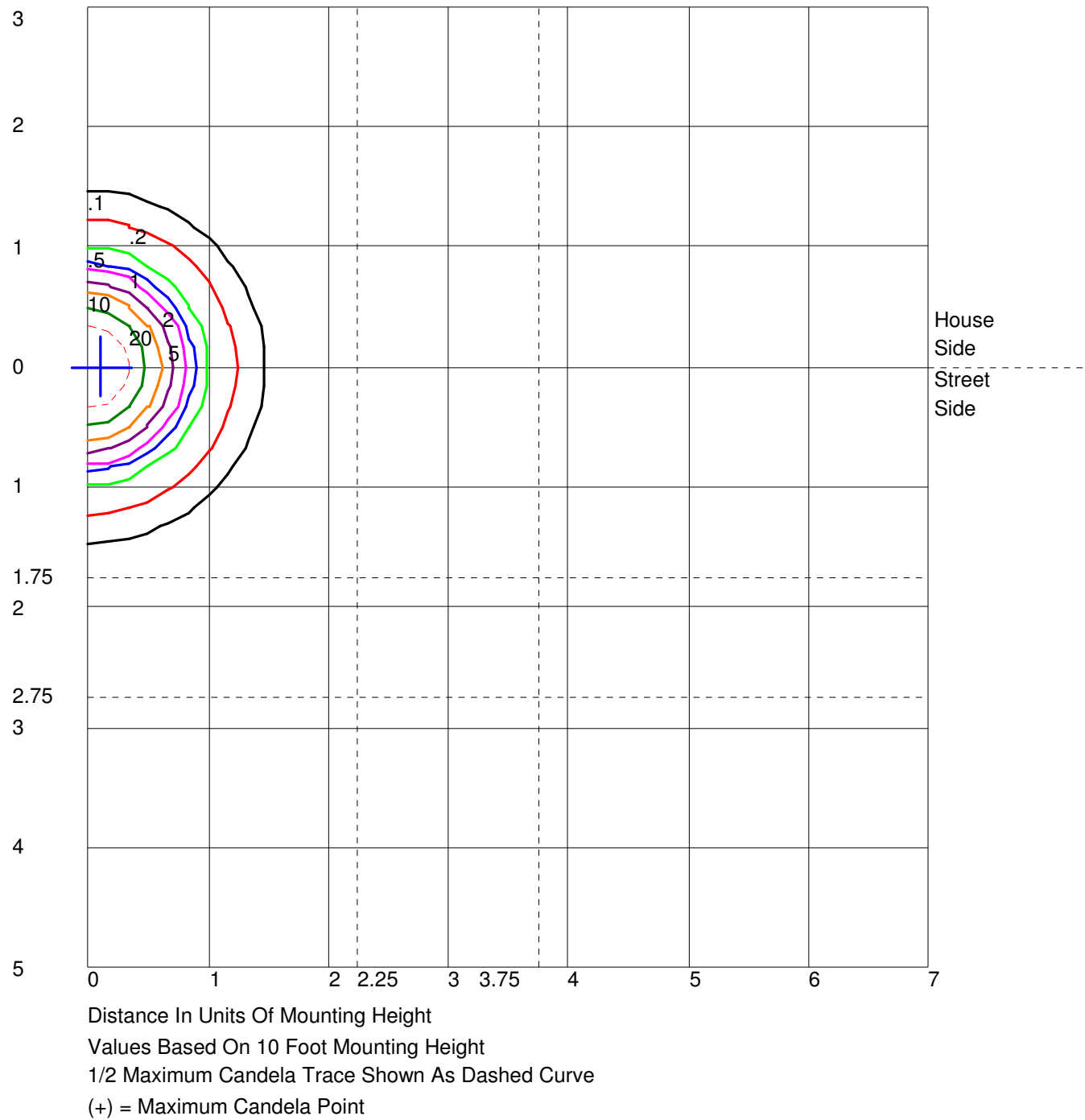
	Lumens	Percent Of Luminaire
Downward Street Side	2239.8	50.0
Downward House Side	2239.8	50.0
Downward Total	4479.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4480.0	100.0

POLAR GRAPH

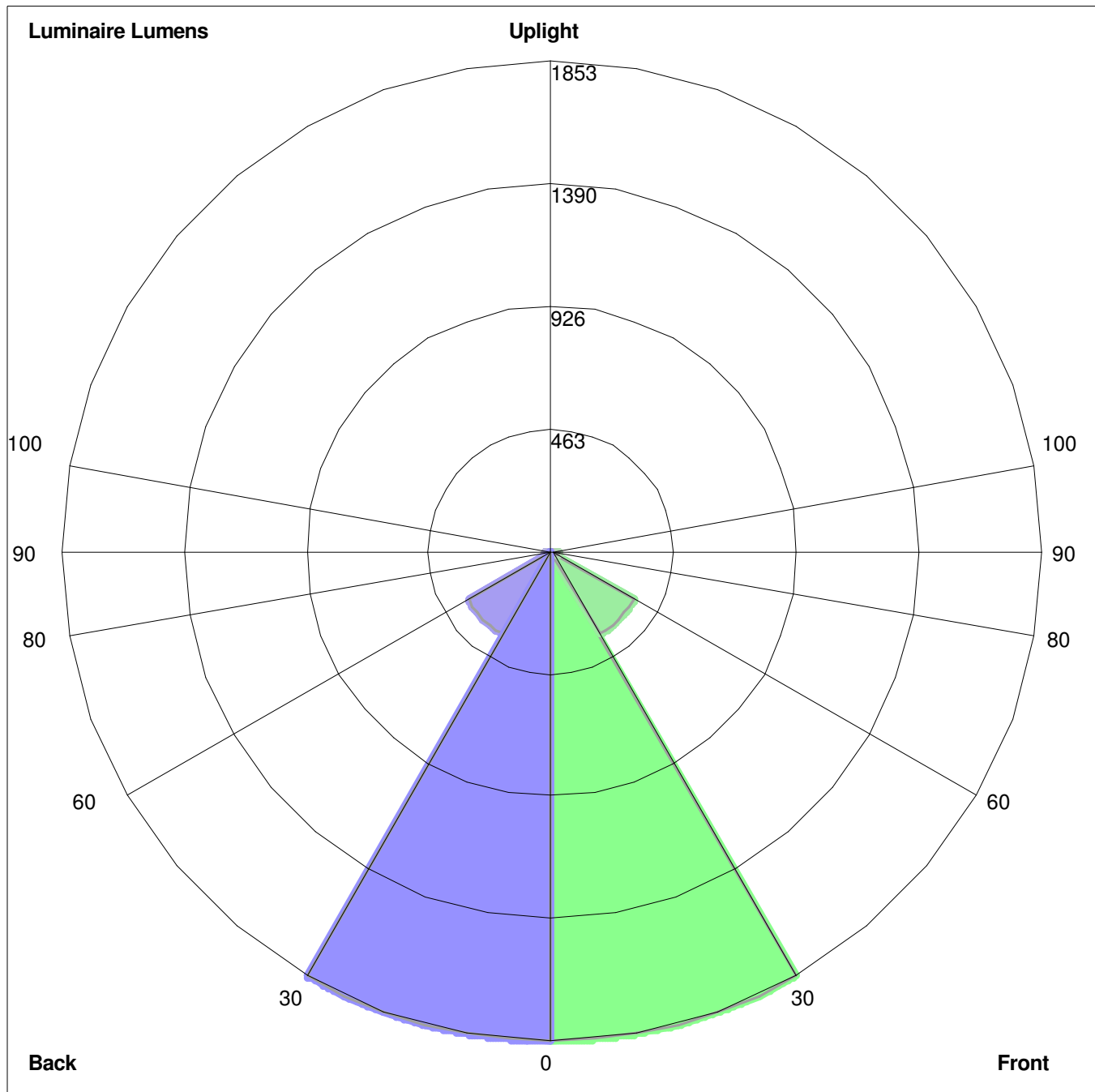


Maximum Candela = 9005.861 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1852.9, Medium=361.8, High=24.0, Very High=1.1
Back: Low=1852.9, Medium=361.8, High=24.0, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0