

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-950-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-L60-950-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	5293
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10640.098
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	10640.098
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.409 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	8.841 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-950-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2189.2	N.A.	41.4
FM - Front-Medium (30-60)	427.5	N.A.	8.1
FH - Front-High (60-80)	28.3	N.A.	0.5
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	2189.2	N.A.	41.4
BM - Back-Medium (30-60)	427.5	N.A.	8.1
BH - Back-High (60-80)	28.3	N.A.	0.5
BVH - Back-Very High (80-90)	1.3	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	5293.0	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	10013.911	10013.911	10013.911	10013.911	10013.911
1	10009.126	10019.176	10038.033	10058.170	10064.271
2	9960.011	9989.344	10065.855	10138.220	10163.000
3	9882.629	9948.359	10115.539	10261.568	10311.128
4	9773.654	9889.815	10165.935	10390.395	10473.452
5	9647.726	9816.756	10193.330	10482.613	10596.178
6	9499.384	9716.374	10176.911	10503.853	10640.098
7	9328.380	9577.513	10092.253	10441.289	10580.167
8	9131.528	9399.215	9935.177	10281.260	10406.192
9	8907.316	9172.709	9698.763	10025.794	10140.248
10	8645.286	8906.089	9395.195	9688.160	9798.523
11	8350.292	8594.160	9026.075	9273.252	9372.870
12	8028.117	8236.443	8606.132	8807.930	8890.328
13	7676.110	7843.112	8154.223	8314.892	8373.275
14	7287.156	7423.259	7681.607	7798.836	7838.327
15	6868.778	6984.495	7189.584	7267.606	7297.064
16	6434.391	6531.056	6688.559	6736.607	6759.803
17	5998.812	6071.711	6192.729	6216.619	6240.990
18	5561.525	5624.213	5717.498	5721.554	5737.795
19	5140.906	5186.108	5260.892	5251.197	5258.544
20	4739.197	4773.298	4827.323	4812.452	4811.847
21	4361.805	4383.579	4424.315	4409.853	4404.890
22	4021.948	4028.299	4060.212	4044.878	4044.522
23	3720.533	3717.242	3739.709	3721.796	3727.204
24	3452.632	3445.819	3462.095	3435.038	3447.242
25	3216.751	3206.398	3212.962	3185.282	3196.845
26	3003.853	2992.984	2988.679	2962.992	2961.409
27	2806.485	2790.333	2779.286	2754.862	2751.251
28	2612.426	2595.900	2572.668	2547.016	2551.357
29	2412.745	2397.287	2371.030	2341.376	2343.422
30	2212.122	2184.318	2157.652	2125.223	2129.759
31	1986.808	1962.988	1931.680	1903.058	1896.387
32	1746.497	1726.005	1700.353	1676.783	1668.333
33	1495.389	1481.140	1467.478	1453.336	1453.301
34	1246.113	1238.161	1237.752	1241.488	1250.969
35	1008.347	1007.795	1019.714	1040.616	1057.248
36	799.042	800.625	824.783	853.725	870.927
37	616.101	628.713	652.551	688.840	697.468
38	480.336	484.730	513.886	538.613	546.120
39	362.218	372.784	402.456	425.386	434.441
40	285.903	295.100	315.042	330.963	336.388
41	235.258	244.153	255.965	267.652	274.465
42	201.032	206.778	214.232	223.269	224.211
43	177.160	179.490	185.360	189.221	190.074
44	159.495	160.830	164.370	166.006	165.953
45	145.371	146.332	148.609	149.018	148.982
46	133.417	134.342	135.907	135.978	136.121
47	122.672	123.597	124.843	124.949	125.163
48	113.120	113.885	114.988	115.237	115.432
49	104.510	105.061	106.200	106.467	106.645
50	96.629	97.074	98.177	98.586	98.693
51	89.514	89.870	90.990	91.453	91.595
52	83.145	83.483	84.497	85.013	85.084

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	77.453	77.773	78.752	79.321	79.356
54	72.401	72.703	73.575	74.037	74.055
55	67.794	67.971	68.825	69.199	69.270
56	63.382	63.542	64.325	64.645	64.716
57	59.344	59.504	60.144	60.393	60.500
58	55.804	55.946	56.498	56.658	56.747
59	52.566	52.673	53.135	53.242	53.296
60	49.649	49.684	50.094	50.147	50.183
61	46.981	46.963	47.301	47.318	47.301
62	44.472	44.437	44.721	44.704	44.650
63	42.124	42.089	42.320	42.266	42.195
64	39.918	39.829	40.043	39.954	39.865
65	37.784	37.695	37.855	37.730	37.624
66	35.649	35.596	35.685	35.578	35.453
67	33.621	33.568	33.603	33.479	33.390
68	31.646	31.575	31.611	31.433	31.326
69	29.690	29.601	29.601	29.387	29.298
70	27.715	27.608	27.591	27.413	27.270
71	25.794	25.669	25.616	25.438	25.314
72	23.873	23.713	23.659	23.481	23.357
73	21.916	21.774	21.720	21.542	21.400
74	19.977	19.870	19.799	19.621	19.532
75	18.091	18.002	17.913	17.771	17.700
76	16.223	16.152	16.046	15.939	15.903
77	14.373	14.338	14.267	14.160	14.124
78	12.541	12.488	12.470	12.399	12.399
79	10.691	10.673	10.673	10.656	10.638
80	8.806	8.806	8.823	8.841	8.823
81	6.724	6.742	6.706	6.706	6.671
82	3.878	3.842	3.967	3.967	4.020
83	1.690	1.708	1.992	2.152	2.277
84	1.565	1.565	1.565	1.565	1.548
85	1.441	1.441	1.441	1.423	1.405
86	1.299	1.281	1.281	1.263	1.263
87	1.085	1.085	1.085	1.067	1.067
88	0.854	0.854	0.854	0.854	0.836
89	0.587	0.587	0.587	0.569	0.569
90	0.338	0.374	0.391	0.409	0.391
91	0.338	0.338	0.338	0.338	0.320
92	0.356	0.356	0.356	0.338	0.338
93	0.356	0.356	0.356	0.338	0.338
94	0.356	0.356	0.356	0.356	0.338
95	0.374	0.356	0.374	0.356	0.338
96	0.374	0.374	0.374	0.356	0.374
97	0.391	0.374	0.374	0.356	0.374
98	0.409	0.374	0.391	0.356	0.374
99	0.409	0.374	0.391	0.374	0.374
100	0.409	0.391	0.391	0.374	0.374
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

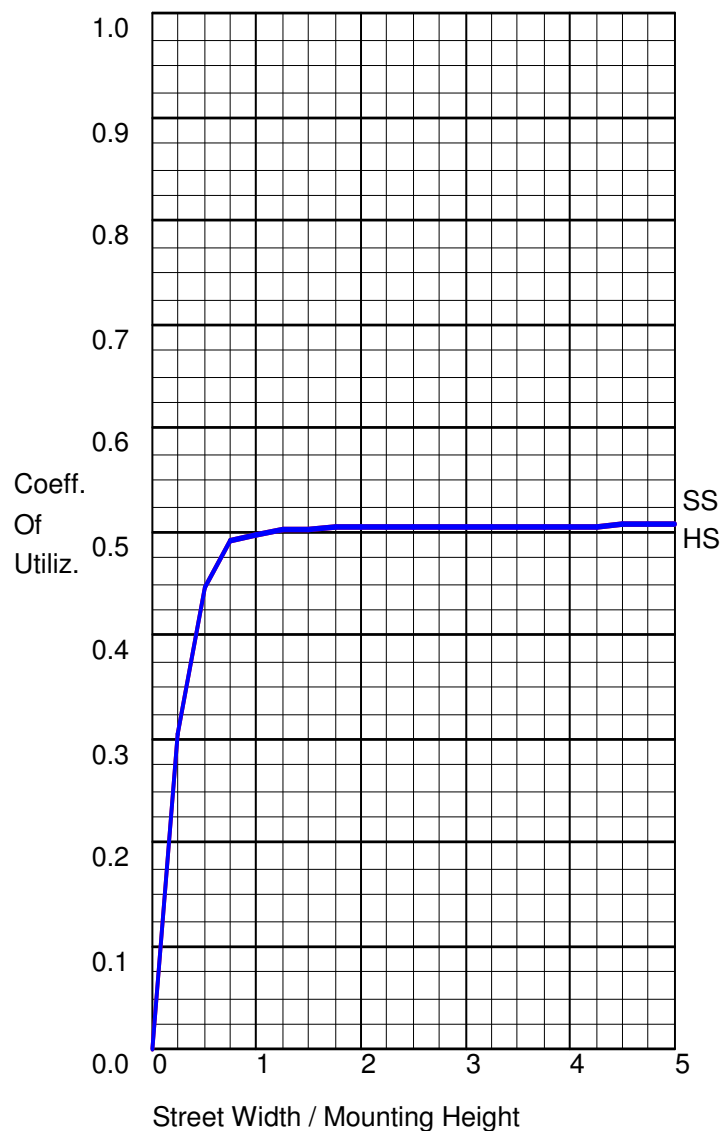
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-950-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-950-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

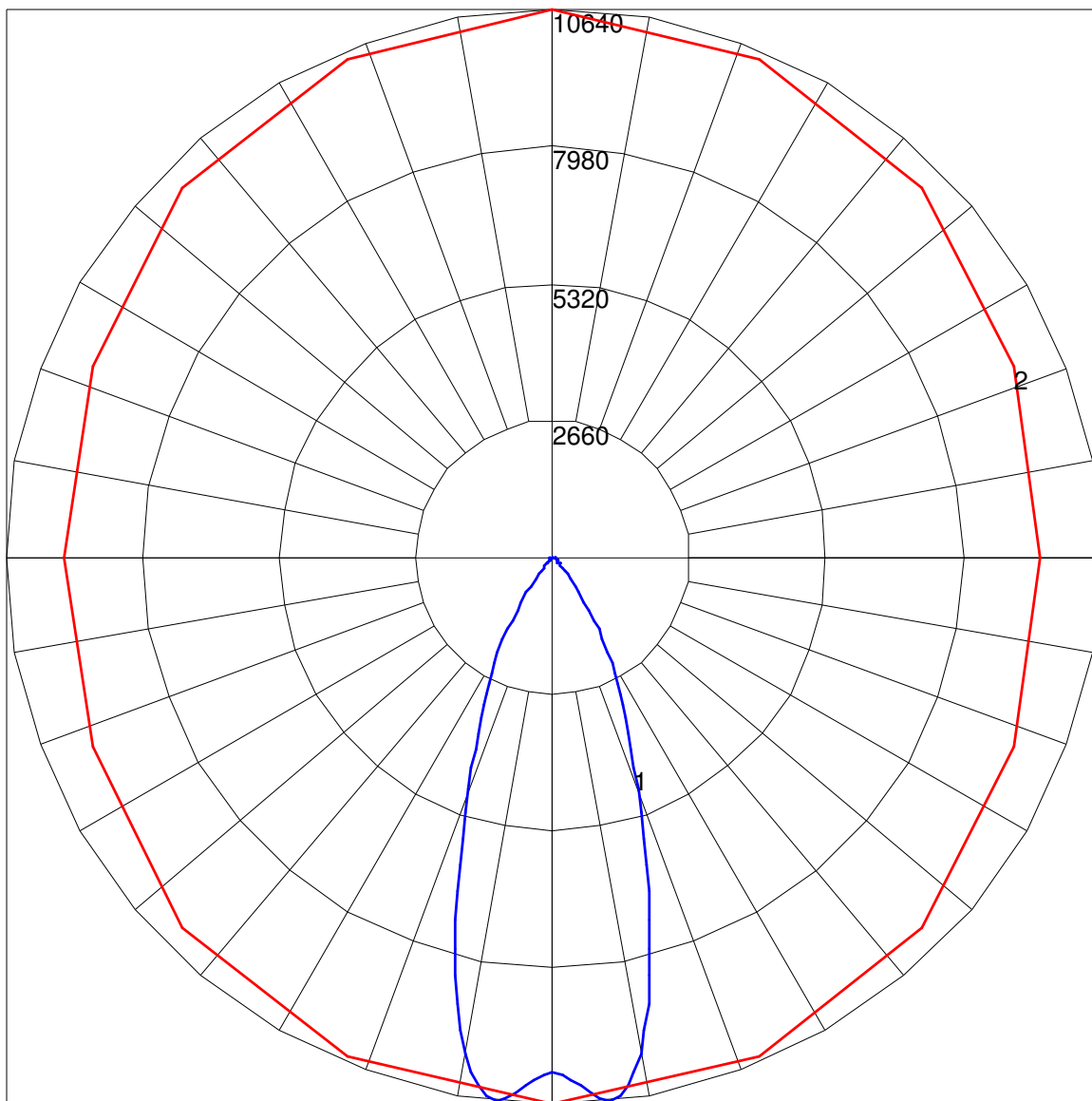
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

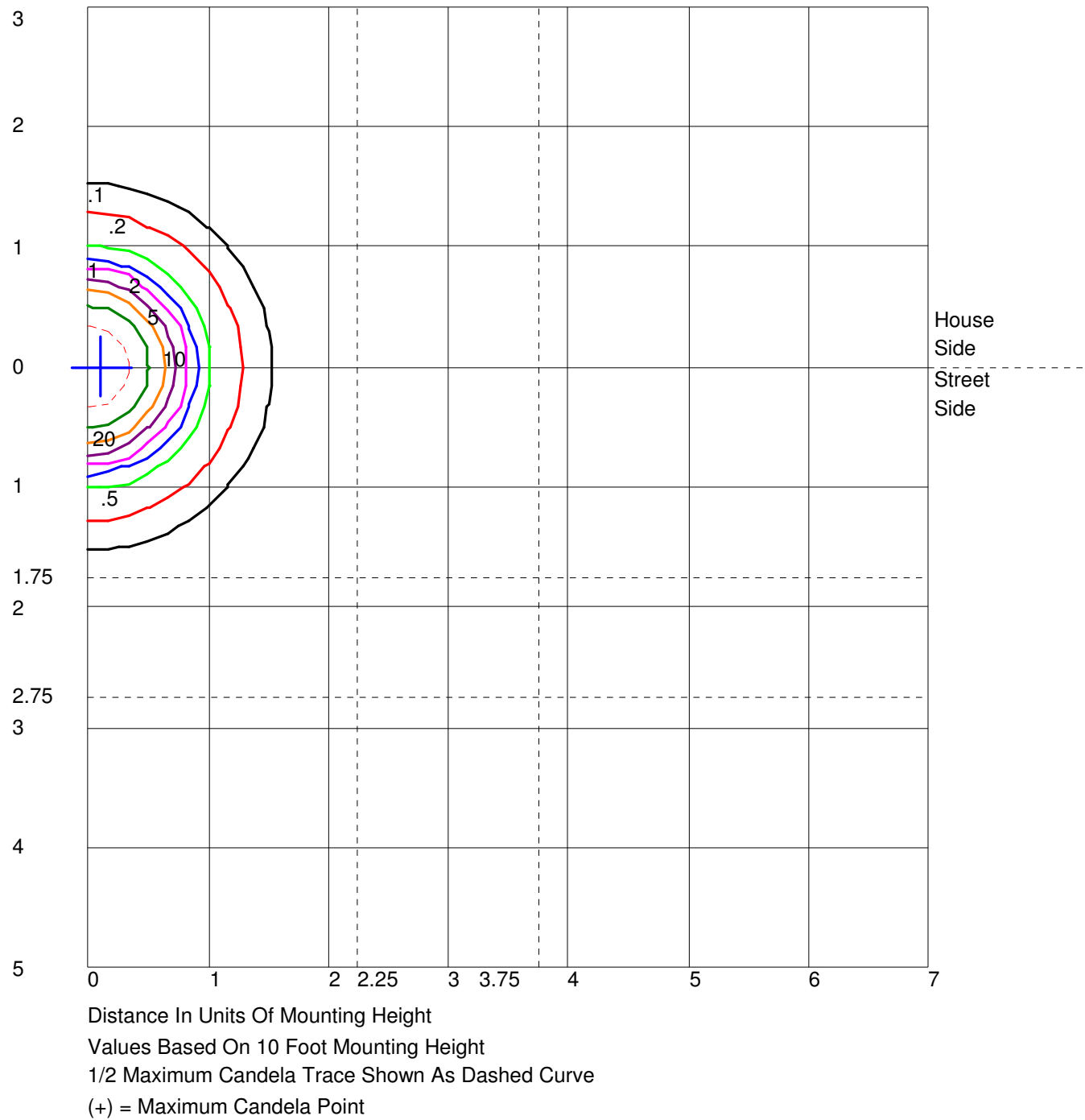
	Lumens	Percent Of Luminaire
Downward Street Side	2646.3	50.0
Downward House Side	2646.3	50.0
Downward Total	5292.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5293.0	100.0

POLAR GRAPH

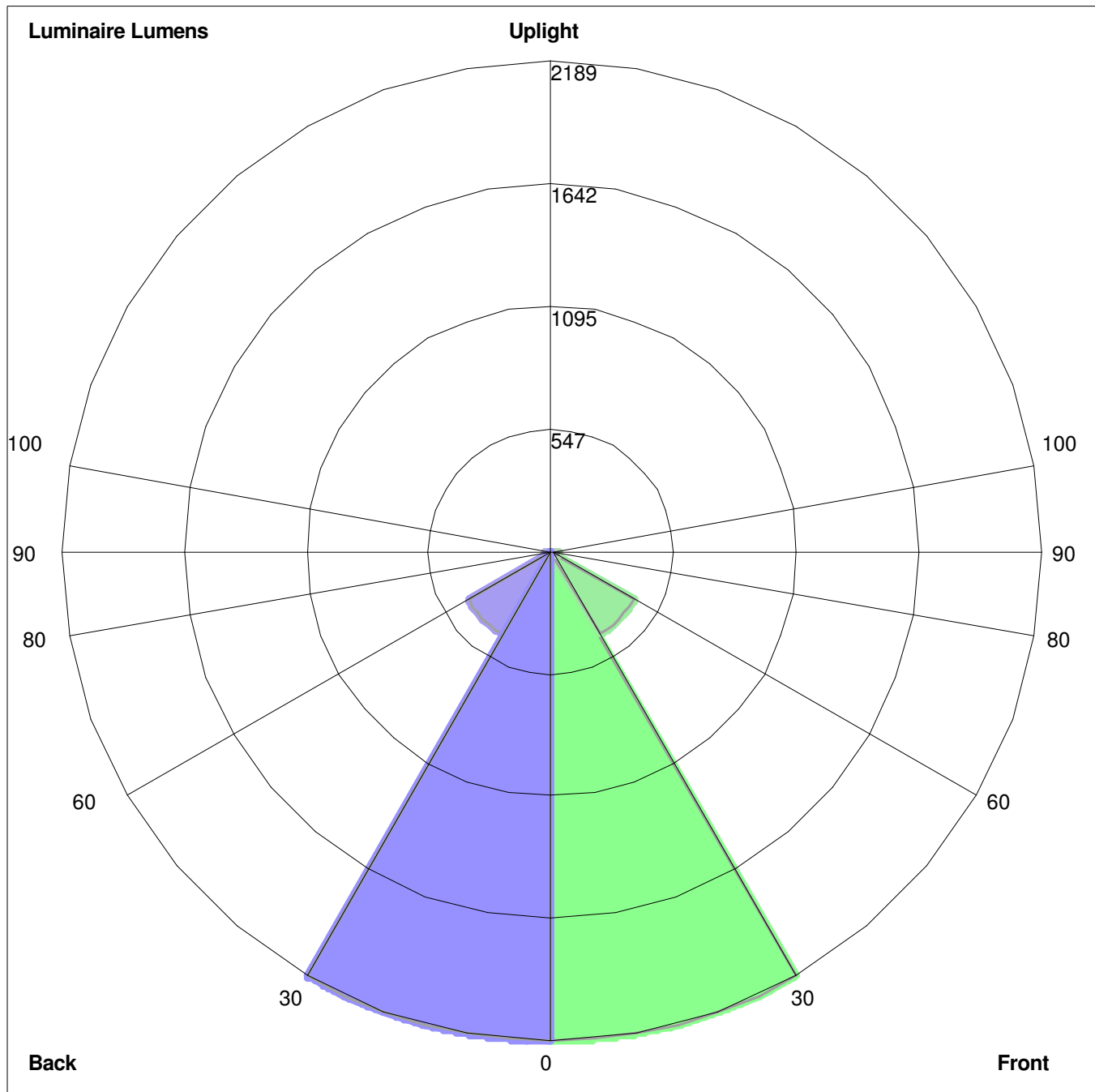


Maximum Candela = 10640.098 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2189.2, Medium=427.5, High=28.3, Very High=1.3
Back: Low=2189.2, Medium=427.5, High=28.3, Very High=1.3
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0