

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-850-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-L50-850-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	4620
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	9287.294
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	9287.294
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.357 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.717 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-850-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1910.8	N.A.	41.4
FM - Front-Medium (30-60)	373.1	N.A.	8.1
FH - Front-High (60-80)	24.7	N.A.	0.5
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1910.8	N.A.	41.4
BM - Back-Medium (30-60)	373.1	N.A.	8.1
BH - Back-High (60-80)	24.7	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	4619.7	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	8740.721	8740.721	8740.721	8740.721	8740.721
1	8736.544	8745.317	8761.776	8779.353	8784.679
2	8693.674	8719.278	8786.060	8849.225	8870.854
3	8626.130	8683.503	8829.428	8956.891	9000.149
4	8531.011	8632.403	8873.416	9069.338	9141.835
5	8421.094	8568.633	8897.328	9149.831	9248.957
6	8291.613	8481.013	8882.997	9168.371	9287.294
7	8142.350	8359.808	8809.103	9113.762	9234.983
8	7970.526	8204.179	8671.998	8974.079	9083.127
9	7774.821	8006.471	8465.641	8751.093	8850.995
10	7546.106	7773.750	8200.670	8456.387	8552.718
11	7288.618	7501.480	7878.481	8094.231	8181.183
12	7007.405	7189.244	7511.930	7688.071	7759.993
13	6700.153	6845.923	7117.478	7257.719	7308.679
14	6360.651	6479.450	6704.951	6807.275	6841.746
15	5995.467	6096.472	6275.485	6343.587	6369.300
16	5616.309	5700.684	5838.161	5880.100	5900.348
17	5236.110	5299.740	5405.372	5426.225	5447.497
18	4854.421	4909.138	4990.563	4994.103	5008.280
19	4487.280	4526.735	4592.011	4583.549	4589.962
20	4136.645	4166.411	4213.567	4200.586	4200.058
21	3807.236	3826.241	3861.798	3849.175	3844.843
22	3510.589	3516.132	3543.988	3530.604	3530.293
23	3247.496	3244.624	3264.235	3248.599	3253.319
24	3013.657	3007.710	3021.917	2998.300	3008.952
25	2807.766	2798.729	2804.459	2780.299	2790.391
26	2621.937	2612.450	2608.692	2586.271	2584.889
27	2449.663	2435.564	2425.922	2404.603	2401.451
28	2280.277	2265.852	2245.573	2223.183	2226.972
29	2105.984	2092.491	2069.573	2043.689	2045.474
30	1930.868	1906.599	1883.324	1855.018	1858.977
31	1734.201	1713.410	1686.082	1661.099	1655.276
32	1524.444	1506.557	1484.166	1463.593	1456.218
33	1305.262	1292.825	1280.900	1268.556	1268.525
34	1087.680	1080.739	1080.382	1083.643	1091.919
35	880.143	879.662	890.065	908.310	922.827
36	697.450	698.832	719.918	745.181	760.196
37	537.769	548.777	569.584	601.259	608.790
38	419.265	423.100	448.549	470.132	476.685
39	316.165	325.388	351.287	371.302	379.205
40	249.553	257.581	274.987	288.883	293.619
41	205.347	213.111	223.421	233.622	239.569
42	175.473	180.488	186.994	194.882	195.705
43	154.635	156.669	161.793	165.163	165.908
44	139.217	140.381	143.471	144.900	144.853
45	126.888	127.727	129.714	130.071	130.040
46	116.454	117.261	118.628	118.690	118.814
47	107.076	107.883	108.970	109.063	109.249
48	98.737	99.405	100.368	100.585	100.756
49	91.222	91.704	92.697	92.930	93.086
50	84.344	84.732	85.695	86.052	86.145
51	78.133	78.443	79.422	79.825	79.950
52	72.574	72.869	73.754	74.204	74.267

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	67.605	67.885	68.739	69.236	69.267
54	63.196	63.460	64.220	64.624	64.640
55	59.174	59.329	60.075	60.401	60.463
56	55.323	55.463	56.146	56.426	56.488
57	51.799	51.938	52.497	52.715	52.808
58	48.709	48.833	49.314	49.454	49.532
59	45.883	45.976	46.380	46.473	46.519
60	43.336	43.367	43.725	43.771	43.802
61	41.007	40.992	41.287	41.302	41.287
62	38.818	38.787	39.035	39.020	38.973
63	36.768	36.737	36.939	36.893	36.830
64	34.843	34.765	34.952	34.874	34.796
65	32.980	32.902	33.042	32.933	32.840
66	31.116	31.070	31.148	31.054	30.946
67	29.346	29.300	29.331	29.222	29.145
68	27.623	27.561	27.592	27.437	27.343
69	25.915	25.837	25.837	25.651	25.573
70	24.191	24.098	24.083	23.927	23.803
71	22.514	22.406	22.359	22.204	22.095
72	20.837	20.698	20.651	20.496	20.387
73	19.129	19.005	18.959	18.803	18.679
74	17.437	17.344	17.282	17.126	17.049
75	15.791	15.714	15.636	15.512	15.450
76	14.161	14.099	14.006	13.912	13.881
77	12.546	12.515	12.453	12.360	12.329
78	10.947	10.900	10.885	10.822	10.822
79	9.332	9.316	9.316	9.301	9.285
80	7.686	7.686	7.701	7.717	7.701
81	5.869	5.885	5.854	5.854	5.823
82	3.385	3.354	3.463	3.463	3.509
83	1.475	1.491	1.739	1.879	1.987
84	1.366	1.366	1.366	1.366	1.351
85	1.258	1.258	1.258	1.242	1.227
86	1.133	1.118	1.118	1.102	1.102
87	0.947	0.947	0.947	0.932	0.932
88	0.745	0.745	0.745	0.745	0.730
89	0.512	0.512	0.512	0.497	0.497
90	0.295	0.326	0.342	0.357	0.342
91	0.295	0.295	0.295	0.295	0.279
92	0.311	0.311	0.311	0.295	0.295
93	0.311	0.311	0.311	0.295	0.295
94	0.311	0.311	0.311	0.311	0.295
95	0.326	0.311	0.326	0.311	0.295
96	0.326	0.326	0.326	0.311	0.326
97	0.342	0.326	0.326	0.311	0.326
98	0.357	0.326	0.342	0.311	0.326
99	0.357	0.326	0.342	0.326	0.326
100	0.357	0.342	0.342	0.326	0.326
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

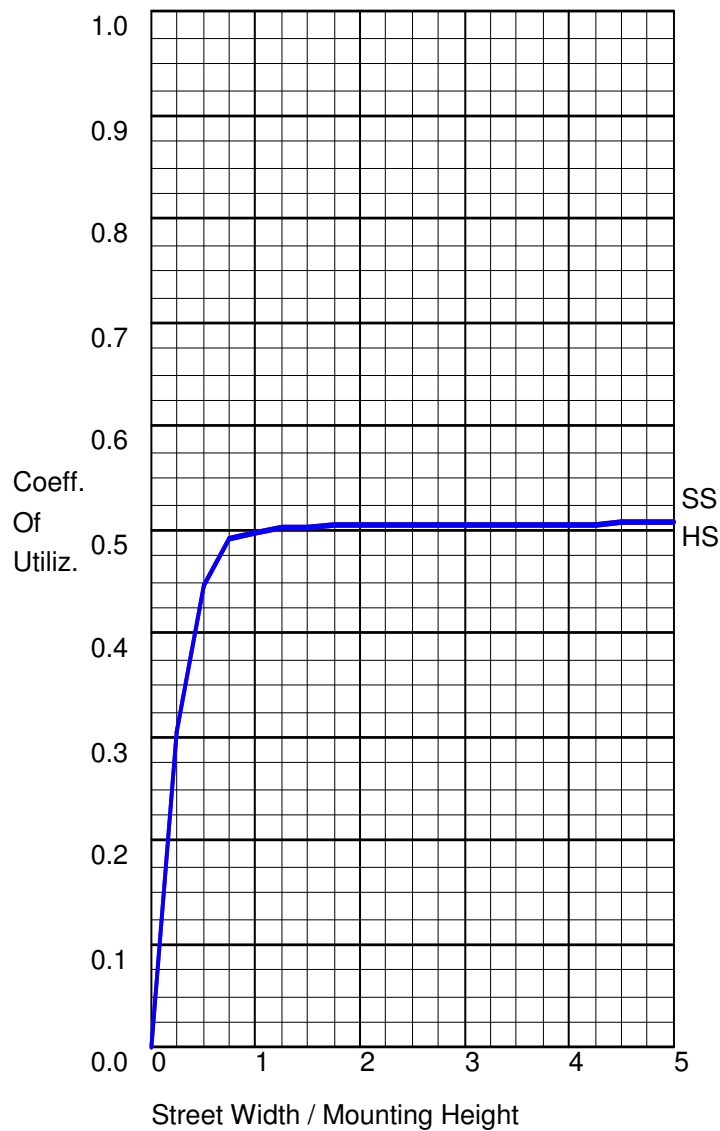
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-850-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L50-850-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

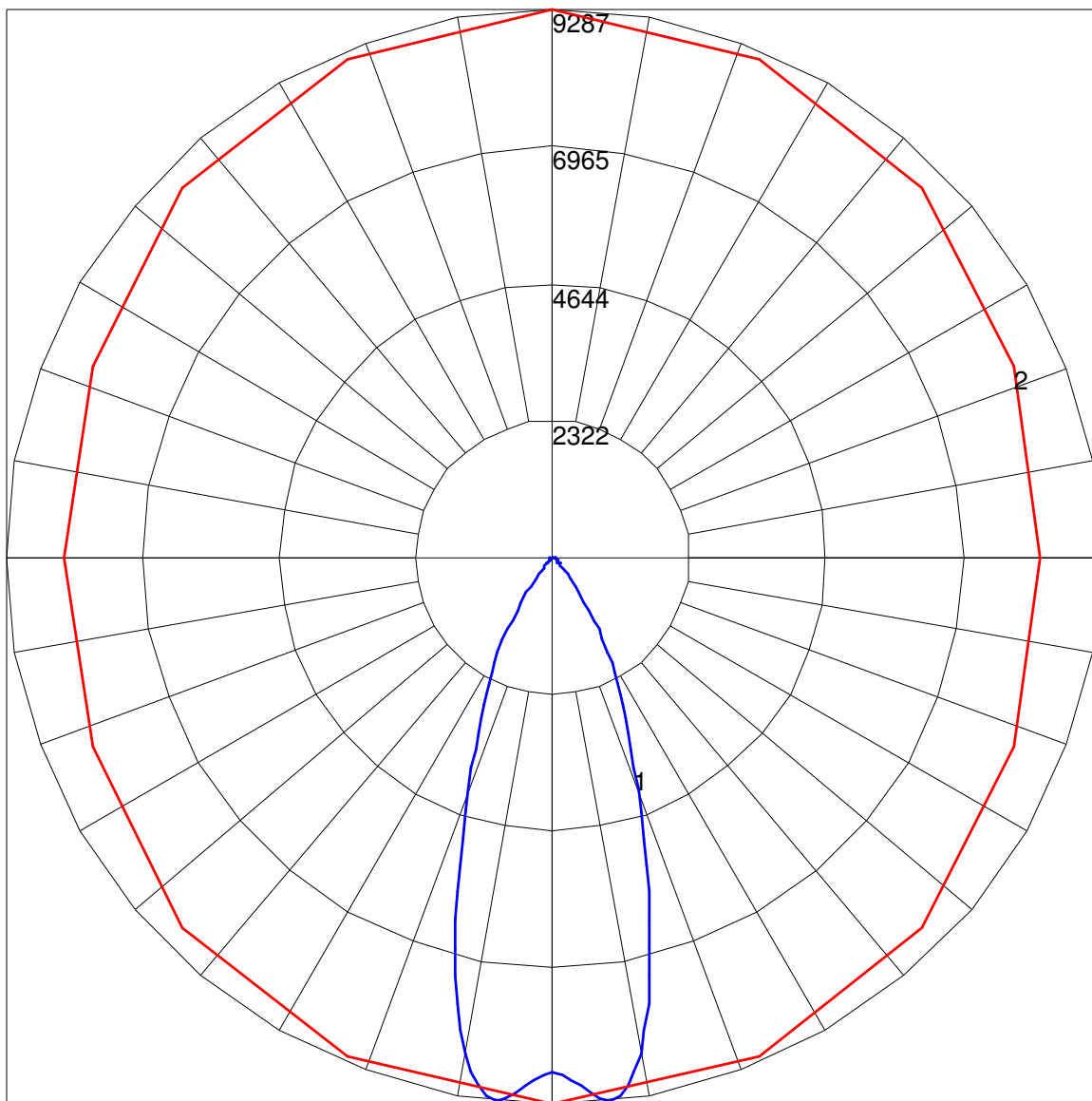
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

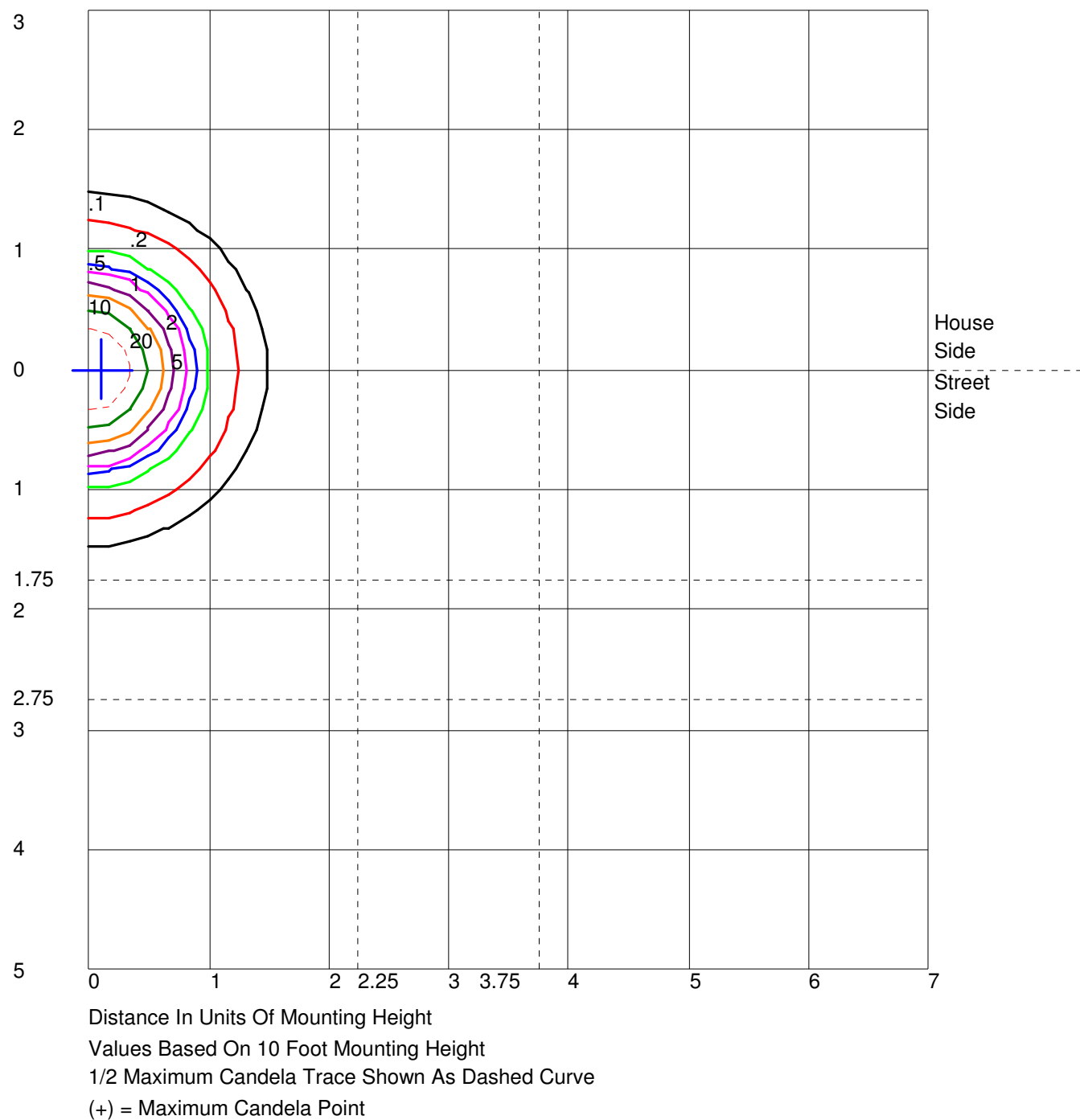
	Lumens	Percent Of Luminaire
Downward Street Side	2309.8	50.0
Downward House Side	2309.8	50.0
Downward Total	4619.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4620.0	100.0

POLAR GRAPH

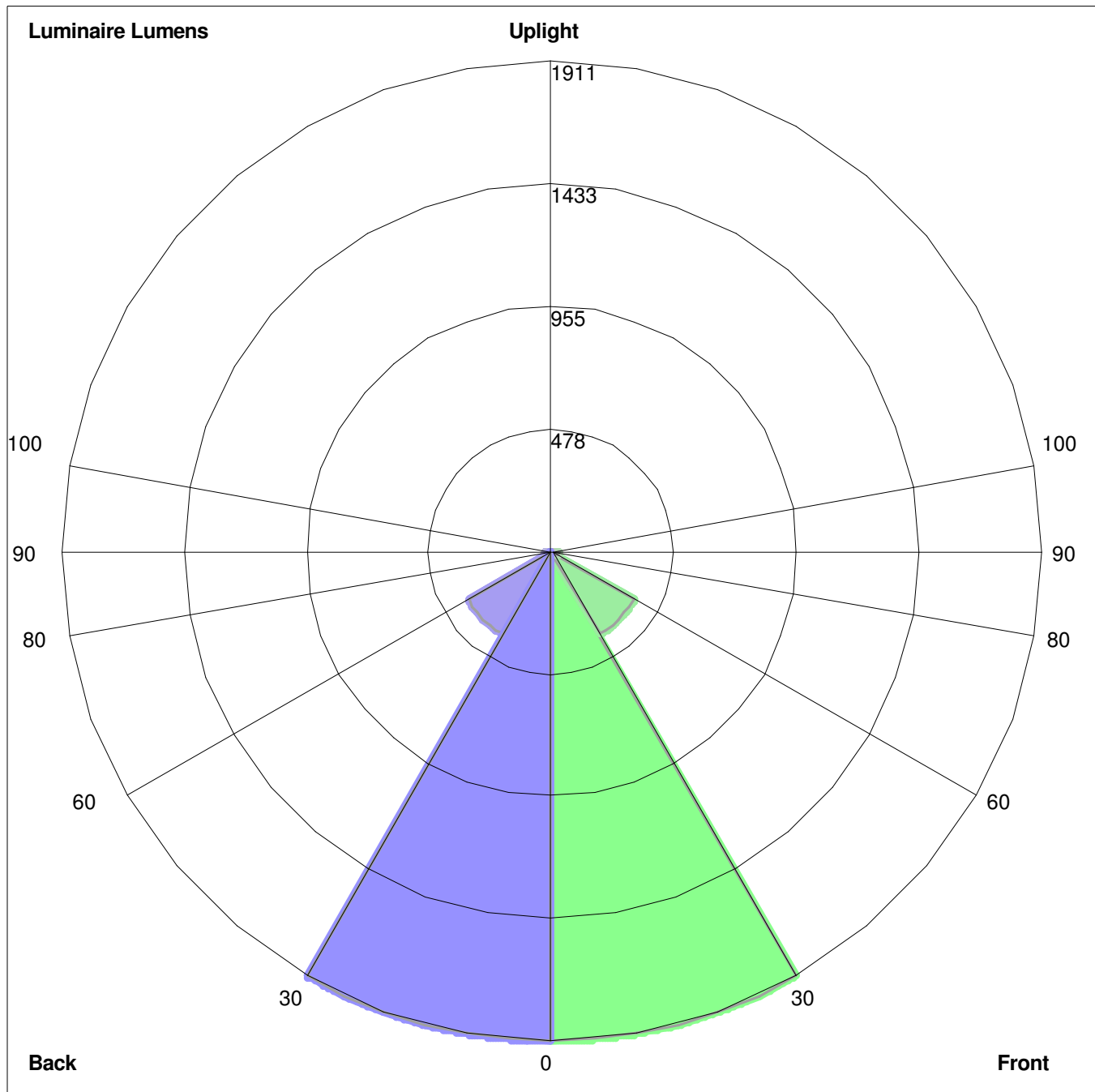


Maximum Candela = 9287.294 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1910.8, Medium=373.1, High=24.7, Very High=1.1
Back: Low=1910.8, Medium=373.1, High=24.7, Very High=1.1
Uplight: Low=0.3, High=0.0

BUG Rating : B3-U1-G0