

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-935-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-L60-935-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	5406
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10866.479
Maximum Candela Angle	90H 6V
Maximum Candela (<90 Degrees Vertical)	10866.479
Maximum Candela Angle (<90 Degrees Vertical)	90H 6V
Maximum Candela At 90 Degrees Vertical	.418 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	9.029 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-935-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	2235.8	N.A.	41.4
FM - Front-Medium (30-60)	436.6	N.A.	8.1
FH - Front-High (60-80)	28.9	N.A.	0.5
FVH - Front-Very High (80-90)	1.3	N.A.	0.0
BL - Back-Low (0-30)	2235.8	N.A.	41.4
BM - Back-Medium (30-60)	436.6	N.A.	8.1
BH - Back-High (60-80)	28.9	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	5405.6	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	10226.969	10226.969	10226.969	10226.969	10226.969
1	10222.082	10232.346	10251.604	10272.169	10278.401
2	10171.921	10201.879	10280.017	10353.922	10379.230
3	10092.893	10160.022	10330.759	10479.895	10530.509
4	9981.600	10100.233	10382.227	10611.463	10696.287
5	9852.993	10025.619	10410.205	10705.643	10821.624
6	9701.495	9923.101	10393.436	10727.335	10866.479
7	9526.852	9781.286	10306.978	10663.440	10805.273
8	9325.812	9599.194	10146.560	10500.006	10627.596
9	9096.830	9367.869	9905.115	10239.104	10355.993
10	8829.224	9095.576	9595.089	9894.287	10006.998
11	8527.954	8777.011	9218.115	9470.551	9572.289
12	8198.925	8411.683	8789.238	8995.329	9079.480
13	7839.428	8009.984	8327.713	8491.801	8551.427
14	7442.198	7581.197	7845.042	7964.765	8005.097
15	7014.920	7133.099	7342.550	7422.233	7452.318
16	6571.290	6670.012	6830.866	6879.936	6903.626
17	6126.443	6200.893	6324.486	6348.885	6373.774
18	5679.853	5743.875	5839.144	5843.287	5859.873
19	5250.285	5296.448	5372.824	5362.923	5370.426
20	4840.029	4874.856	4930.030	4914.842	4914.224
21	4454.608	4476.844	4518.448	4503.678	4498.609
22	4107.520	4114.005	4146.598	4130.937	4130.574
23	3799.691	3796.330	3819.276	3800.981	3806.504
24	3526.090	3519.132	3535.756	3508.123	3520.586
25	3285.191	3274.617	3281.321	3253.053	3264.862
26	3067.764	3056.663	3052.267	3026.033	3024.416
27	2866.196	2849.700	2838.418	2813.475	2809.787
28	2668.008	2651.131	2627.404	2601.207	2605.640
29	2464.079	2448.292	2421.477	2391.192	2393.281
30	2259.188	2230.792	2203.559	2170.440	2175.073
31	2029.079	2004.753	1972.779	1943.547	1936.735
32	1783.656	1762.727	1736.530	1712.458	1703.829
33	1527.205	1512.653	1498.701	1484.258	1484.221
34	1272.626	1264.505	1264.087	1267.902	1277.585
35	1029.800	1029.237	1041.409	1062.756	1079.742
36	816.043	817.660	842.331	871.889	889.457
37	629.209	642.090	666.434	703.496	712.307
38	490.556	495.043	524.820	550.072	557.739
39	369.924	380.716	411.019	434.437	443.684
40	291.986	301.379	321.744	338.004	343.545
41	240.264	249.347	261.411	273.347	280.305
42	205.310	211.178	218.790	228.019	228.982
43	180.929	183.309	189.304	193.247	194.119
44	162.889	164.251	167.867	169.538	169.484
45	148.464	149.445	151.770	152.188	152.152
46	136.255	137.200	138.799	138.872	139.017
47	125.282	126.227	127.499	127.608	127.826
48	115.526	116.308	117.434	117.688	117.888
49	106.733	107.297	108.459	108.732	108.914
50	98.685	99.139	100.266	100.684	100.793
51	91.418	91.782	92.926	93.399	93.544
52	84.914	85.260	86.295	86.822	86.895

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	79.101	79.428	80.427	81.008	81.045
54	73.941	74.250	75.140	75.613	75.631
55	69.236	69.418	70.290	70.671	70.744
56	64.730	64.894	65.693	66.020	66.093
57	60.606	60.770	61.424	61.678	61.787
58	56.991	57.136	57.700	57.863	57.954
59	53.685	53.794	54.266	54.375	54.429
60	50.705	50.742	51.159	51.214	51.250
61	47.980	47.962	48.307	48.325	48.307
62	45.418	45.382	45.673	45.655	45.600
63	43.020	42.984	43.220	43.166	43.093
64	40.768	40.677	40.895	40.804	40.713
65	38.588	38.497	38.660	38.533	38.424
66	36.407	36.353	36.444	36.335	36.208
67	34.336	34.282	34.318	34.191	34.100
68	32.320	32.247	32.283	32.102	31.993
69	30.321	30.231	30.231	30.013	29.922
70	28.305	28.196	28.178	27.996	27.851
71	26.343	26.216	26.161	25.979	25.852
72	24.381	24.217	24.163	23.981	23.854
73	22.382	22.237	22.182	22.001	21.855
74	20.402	20.293	20.220	20.039	19.948
75	18.476	18.385	18.295	18.149	18.077
76	16.569	16.496	16.387	16.278	16.242
77	14.679	14.643	14.570	14.461	14.425
78	12.808	12.754	12.735	12.663	12.663
79	10.919	10.900	10.900	10.882	10.864
80	8.993	8.993	9.011	9.029	9.011
81	6.867	6.885	6.849	6.849	6.813
82	3.960	3.924	4.051	4.051	4.106
83	1.726	1.744	2.035	2.198	2.325
84	1.599	1.599	1.599	1.599	1.581
85	1.472	1.472	1.472	1.453	1.435
86	1.326	1.308	1.308	1.290	1.290
87	1.108	1.108	1.108	1.090	1.090
88	0.872	0.872	0.872	0.872	0.854
89	0.600	0.600	0.600	0.581	0.581
90	0.345	0.382	0.400	0.418	0.400
91	0.345	0.345	0.345	0.345	0.327
92	0.363	0.363	0.363	0.345	0.345
93	0.363	0.363	0.363	0.345	0.345
94	0.363	0.363	0.363	0.363	0.345
95	0.382	0.363	0.382	0.363	0.345
96	0.382	0.382	0.382	0.363	0.382
97	0.400	0.382	0.382	0.363	0.382
98	0.418	0.382	0.400	0.363	0.382
99	0.418	0.382	0.400	0.382	0.382
100	0.418	0.400	0.400	0.382	0.382
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

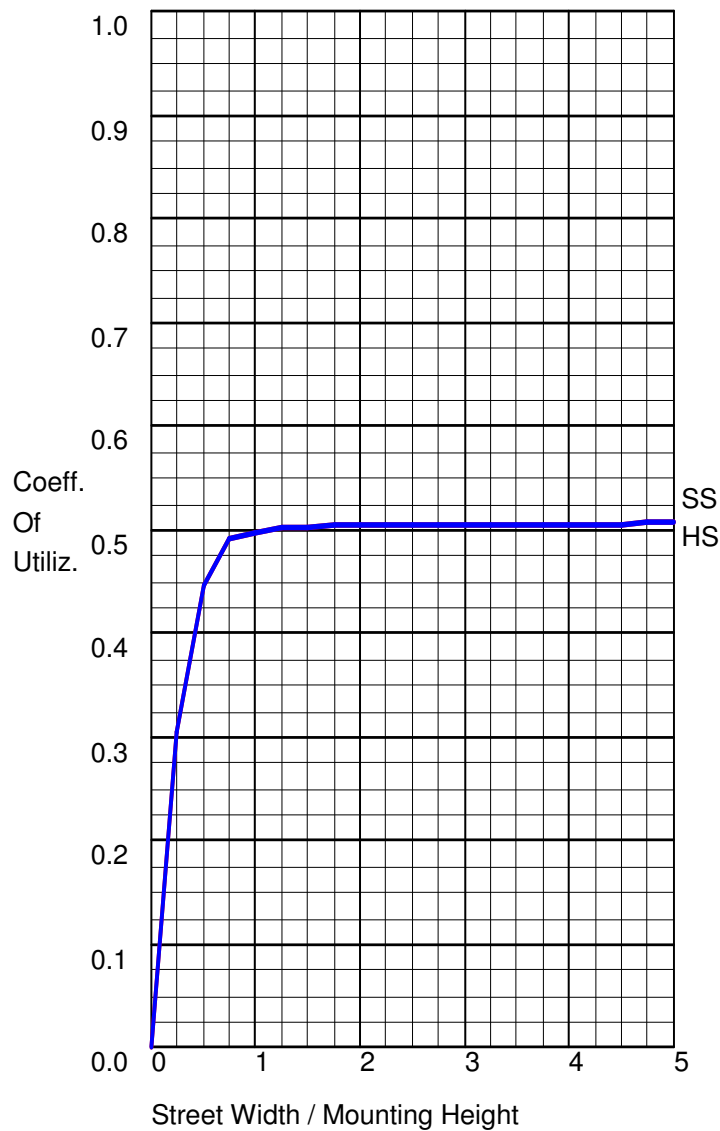
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L60-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L60-935-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

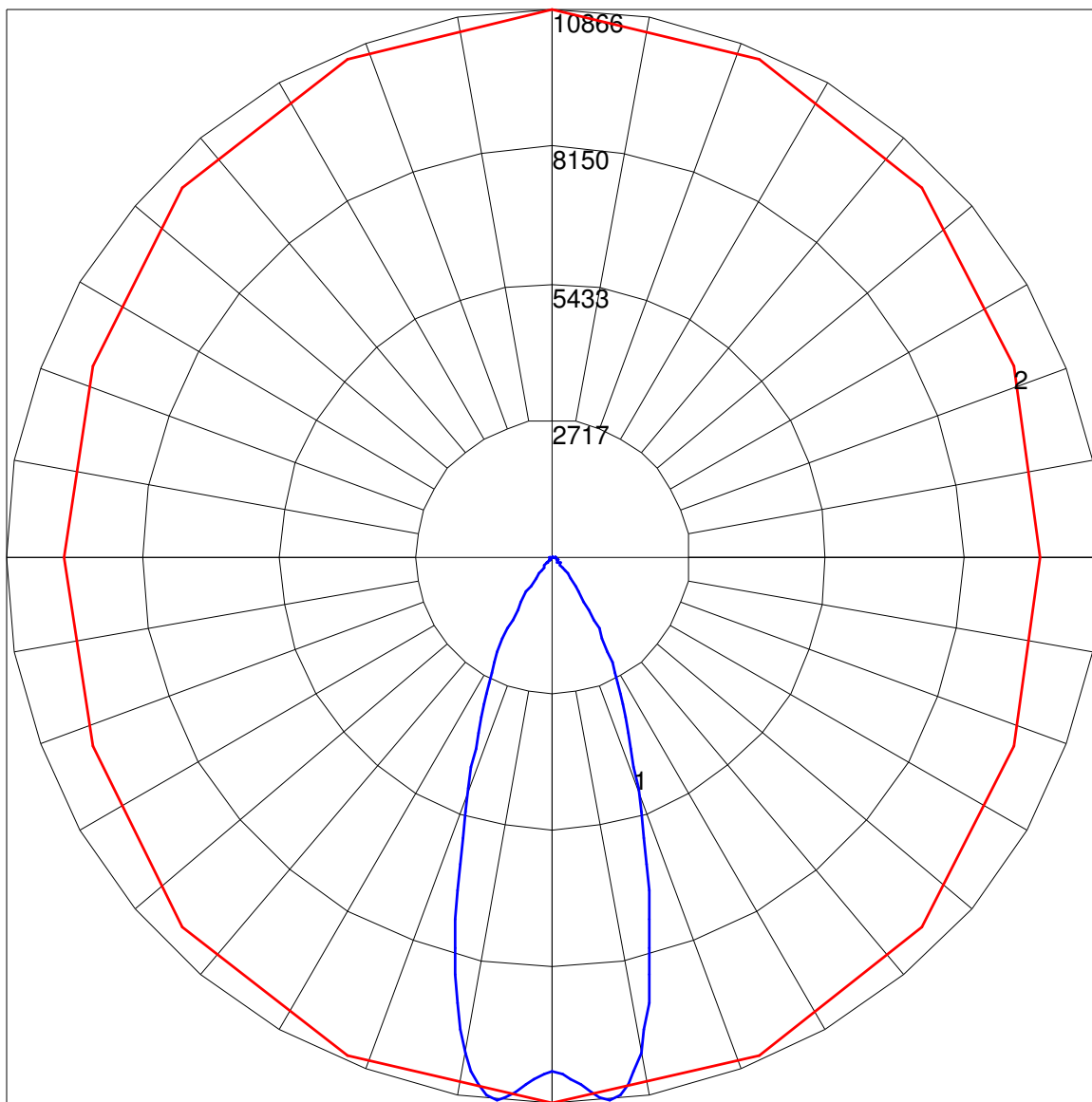
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

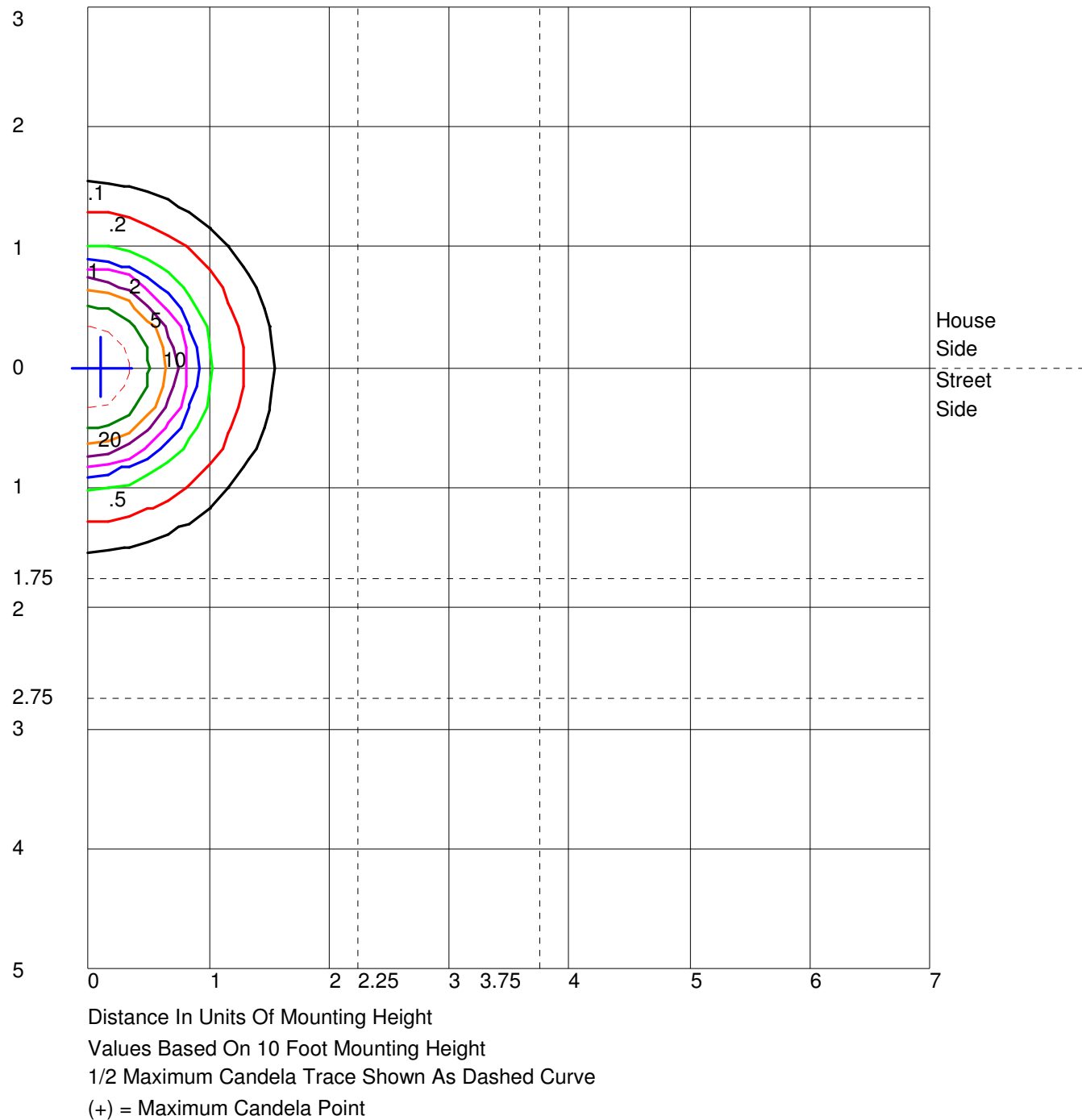
	Lumens	Percent Of Luminaire
Downward Street Side	2702.6	50.0
Downward House Side	2702.6	50.0
Downward Total	5405.2	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	5405.6	100.0

POLAR GRAPH

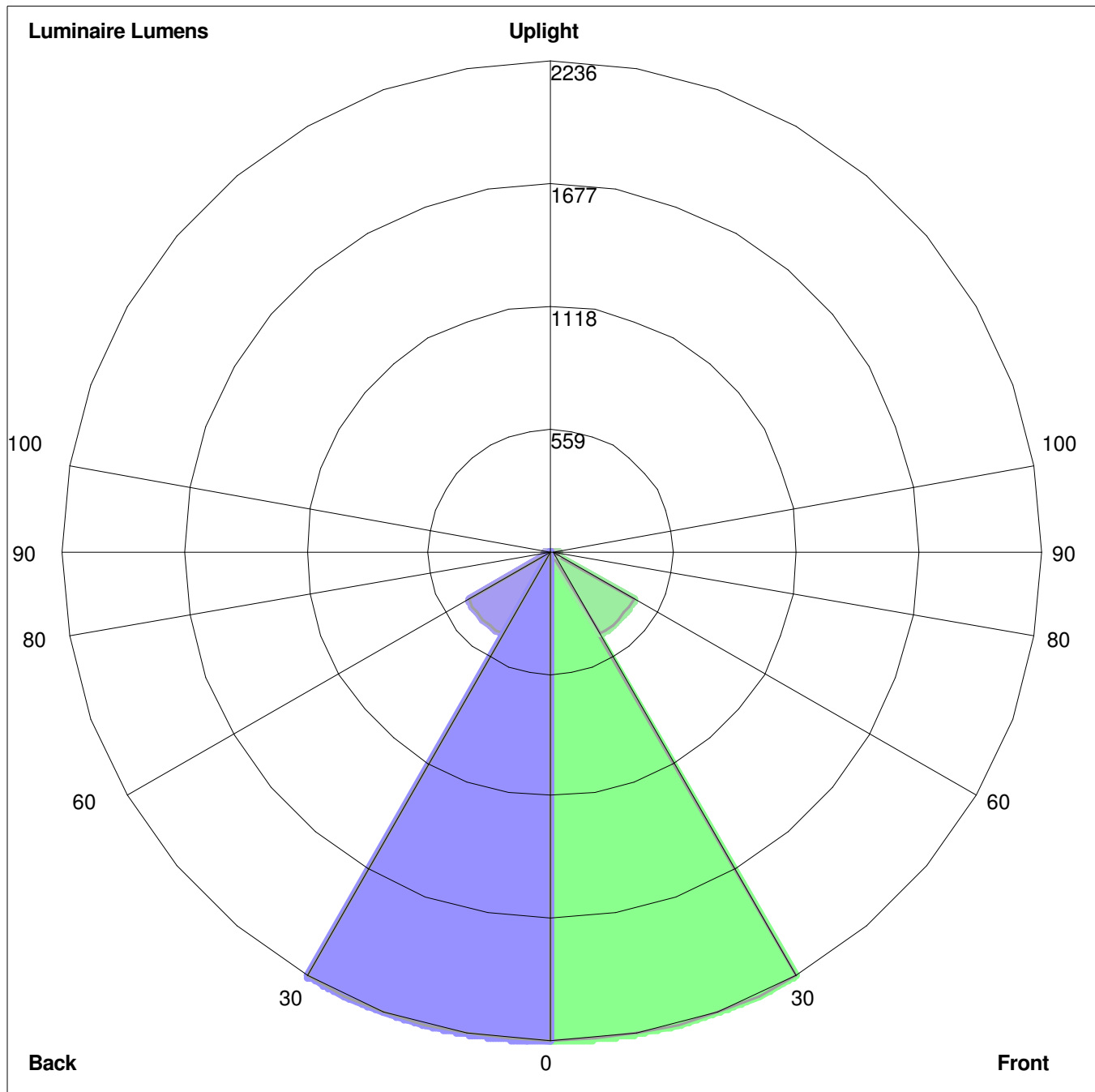


Maximum Candela = 10866.479 Located At Horizontal Angle = 90, Vertical Angle = 6
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (6) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=2235.8, Medium=436.6, High=28.9, Very High=1.3
Back: Low=2235.8, Medium=436.6, High=28.9, Very High=1.3
Uplight: Low=0.4, High=0.0

BUG Rating : B3-U1-G0