

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-950-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(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-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE 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	5866
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4741.761
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4741.761
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.624 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	30.194 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1539.3	N.A.	26.2
FM - Front-Medium (30-60)	1191.2	N.A.	20.3
FH - Front-High (60-80)	196.1	N.A.	3.3
FVH - Front-Very High (80-90)	5.5	N.A.	0.1
BL - Back-Low (0-30)	1539.3	N.A.	26.2
BM - Back-Medium (30-60)	1191.2	N.A.	20.3
BH - Back-High (60-80)	196.1	N.A.	3.3
BVH - Back-Very High (80-90)	5.5	N.A.	0.1
UL - Uplight-Low (90-100)	1.5	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	5865.8	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	4700.551	4700.551	4700.551	4700.551	4700.551
1	4705.032	4706.010	4712.213	4711.802	4709.611
2	4691.745	4697.146	4710.941	4716.929	4714.405
3	4671.472	4681.785	4711.744	4727.535	4726.929
4	4644.860	4663.313	4711.215	4740.470	4740.372
5	4609.109	4639.028	4703.682	4741.429	4741.761
6	4570.070	4606.447	4683.996	4726.753	4725.696
7	4523.322	4565.843	4648.225	4692.430	4689.123
8	4472.034	4515.847	4599.051	4643.333	4634.939
9	4413.309	4457.964	4538.428	4580.539	4570.696
10	4349.752	4394.896	4467.513	4506.963	4498.529
11	4283.944	4324.411	4385.327	4421.567	4415.247
12	4215.123	4248.115	4300.088	4329.010	4320.204
13	4146.204	4168.140	4212.775	4237.118	4219.487
14	4071.023	4088.556	4124.444	4141.840	4119.356
15	3993.787	4008.483	4036.231	4047.874	4026.407
16	3914.086	3926.257	3949.015	3955.414	3937.450
17	3832.526	3846.771	3865.205	3862.446	3851.409
18	3758.030	3768.851	3785.699	3776.835	3769.829
19	3684.708	3691.341	3704.941	3693.983	3687.330
20	3616.239	3620.857	3628.508	3621.718	3606.416
21	3550.548	3551.116	3555.617	3551.762	3533.857
22	3490.396	3483.508	3486.560	3483.880	3472.354
23	3432.591	3421.281	3424.764	3419.989	3412.358
24	3377.527	3366.725	3369.445	3358.389	3352.362
25	3325.827	3313.049	3312.071	3298.138	3288.100
26	3269.119	3258.885	3250.607	3233.681	3220.218
27	3205.170	3191.883	3177.324	3158.539	3142.826
28	3123.551	3108.229	3085.100	3060.072	3052.108
29	3017.668	2999.469	2968.278	2937.751	2931.118
30	2879.829	2856.954	2823.160	2787.859	2777.781
31	2706.631	2682.367	2646.733	2611.765	2598.967
32	2503.162	2482.361	2451.991	2421.210	2414.087
33	2275.094	2260.888	2242.592	2222.534	2229.168
34	2038.045	2031.745	2029.651	2026.481	2041.685
35	1808.432	1808.511	1820.213	1834.595	1854.985
36	1599.699	1604.689	1627.955	1652.278	1674.527
37	1416.854	1426.070	1455.364	1484.599	1506.300
38	1267.607	1279.759	1309.953	1338.424	1356.662
39	1155.912	1169.042	1195.596	1218.785	1233.598
40	1075.682	1086.582	1107.324	1123.664	1136.011
41	1019.385	1027.545	1041.888	1051.848	1060.791
42	979.818	983.790	993.124	998.740	1003.280
43	948.313	949.742	955.592	957.921	957.999
44	920.194	920.546	923.833	923.775	921.603
45	894.148	893.679	895.244	893.737	891.233
46	867.673	867.046	867.966	865.677	862.722
47	840.375	839.749	839.808	837.655	834.681
48	812.451	811.669	811.316	809.046	806.092
49	783.549	782.414	782.629	779.909	777.092
50	753.492	752.612	752.690	750.166	747.387
51	723.083	722.535	722.438	719.952	717.546
52	692.342	692.009	691.970	689.661	687.195

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

53	662.109	661.561	661.541	659.428	656.865
54	631.935	631.269	630.976	628.589	625.967
55	601.291	600.156	600.019	597.182	594.736
56	568.338	567.595	567.379	564.522	562.116
57	535.679	534.524	534.133	531.276	528.908
58	503.176	501.924	501.395	498.597	496.719
59	470.791	469.617	469.030	466.251	464.470
60	439.345	438.092	437.603	434.864	433.142
61	408.564	407.292	407.096	404.376	402.948
62	378.938	377.646	377.353	374.965	373.596
63	349.938	348.881	348.568	346.474	345.183
64	321.740	320.957	320.742	318.863	317.787
65	295.069	294.345	294.286	292.603	291.938
66	268.965	268.632	268.652	267.027	266.421
67	244.426	244.133	243.917	242.606	242.195
68	220.886	220.533	220.494	219.379	219.124
69	198.167	197.932	197.952	197.012	197.052
70	176.857	176.740	176.583	175.898	175.957
71	156.643	156.624	156.369	155.958	156.037
72	137.740	137.760	137.643	137.193	137.564
73	120.012	119.992	119.953	119.601	119.933
74	103.594	103.516	103.594	103.379	103.653
75	88.370	88.350	88.429	88.311	88.487
76	74.222	74.183	74.320	74.222	74.418
77	61.288	61.268	61.542	61.385	61.601
78	49.488	49.449	49.781	49.723	49.938
79	38.960	38.921	39.234	39.371	39.449
80	29.626	29.665	29.998	30.135	30.194
81	21.486	21.564	21.819	22.053	22.112
82	14.167	14.285	14.578	14.794	14.950
83	9.706	9.804	10.293	10.567	10.684
84	9.001	9.001	9.021	9.040	8.962
85	8.336	8.336	8.336	8.336	8.258
86	7.475	7.475	7.455	7.436	7.377
87	6.281	6.301	6.281	6.281	6.203
88	4.794	4.775	4.755	4.755	4.696
89	2.916	2.916	2.896	2.916	2.857
90	1.174	1.272	1.507	1.624	1.624
91	1.057	1.076	1.076	1.096	1.057
92	1.135	1.135	1.135	1.135	1.115
93	1.194	1.194	1.213	1.194	1.174
94	1.272	1.272	1.272	1.272	1.272
95	1.350	1.350	1.370	1.370	1.350
96	1.428	1.448	1.448	1.448	1.428
97	1.526	1.526	1.546	1.546	1.526
98	1.644	1.624	1.624	1.644	1.644
99	1.781	1.742	1.742	1.761	1.722
100	1.820	1.839	1.839	1.859	1.820
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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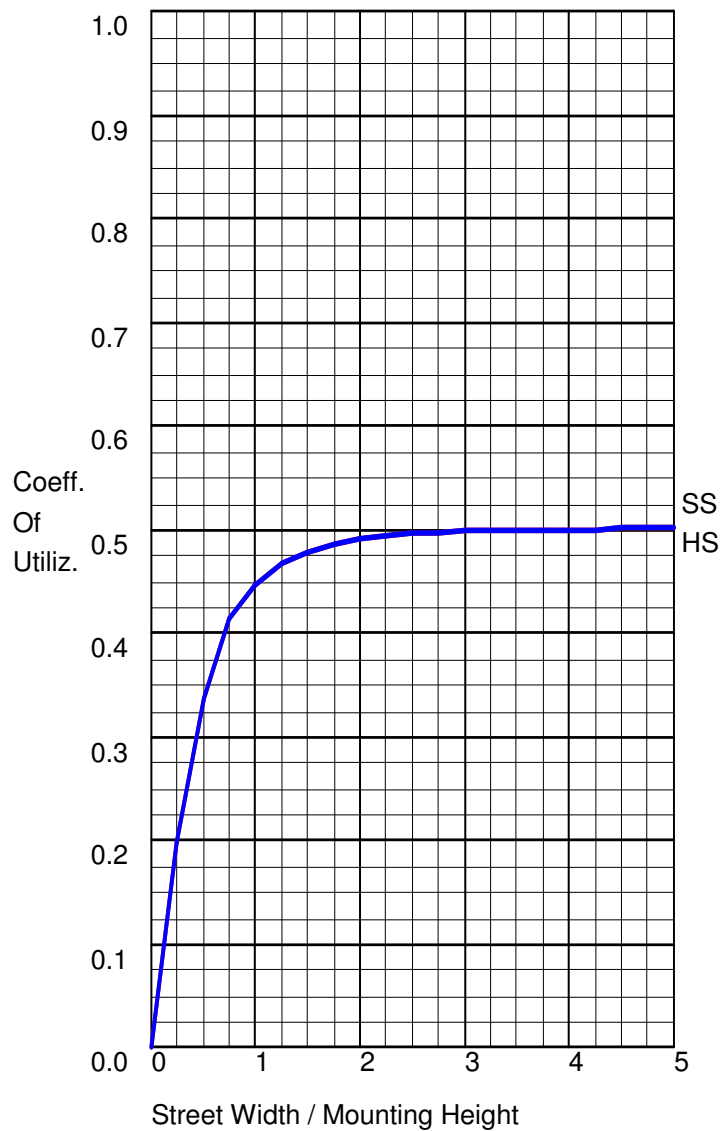
CANDELA TABULATION - (Cont.)

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-L60-950-XXX-DIM-UNV-W-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

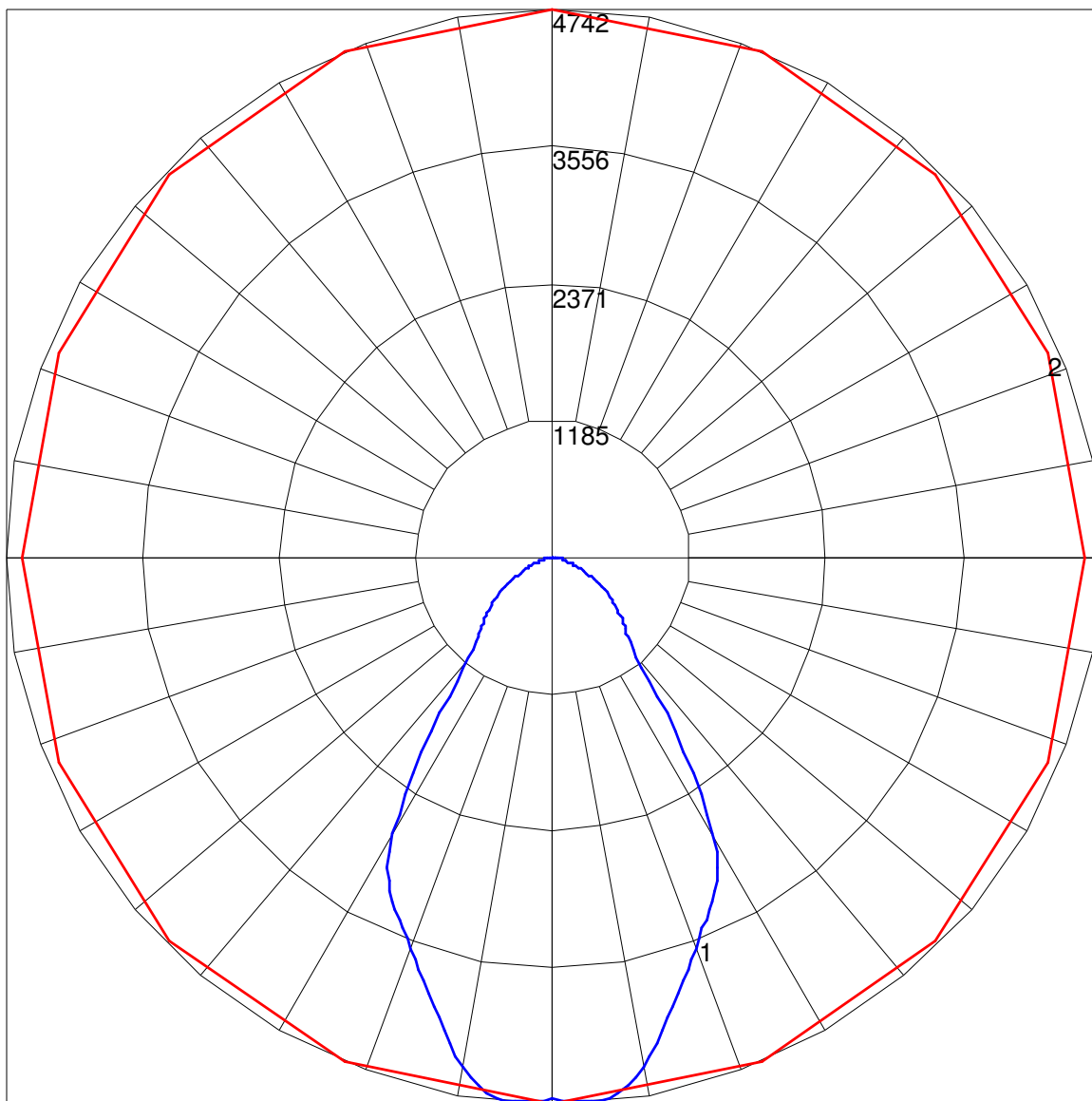
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

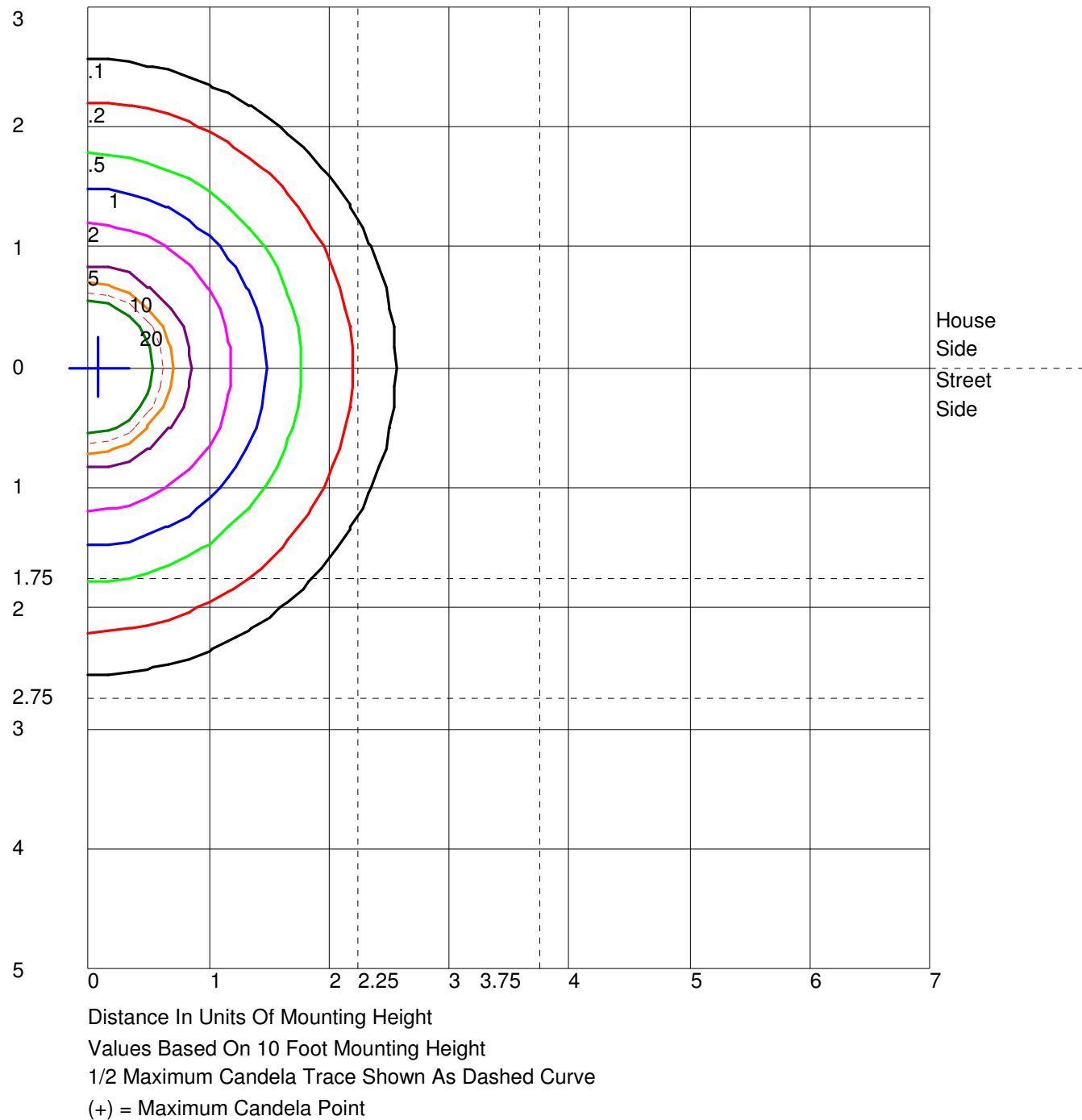
	Lumens	Percent Of Luminaire
Downward Street Side	2932.1	50.0
Downward House Side	2932.1	50.0
Downward Total	5864.2	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	5865.8	100.0

POLAR GRAPH

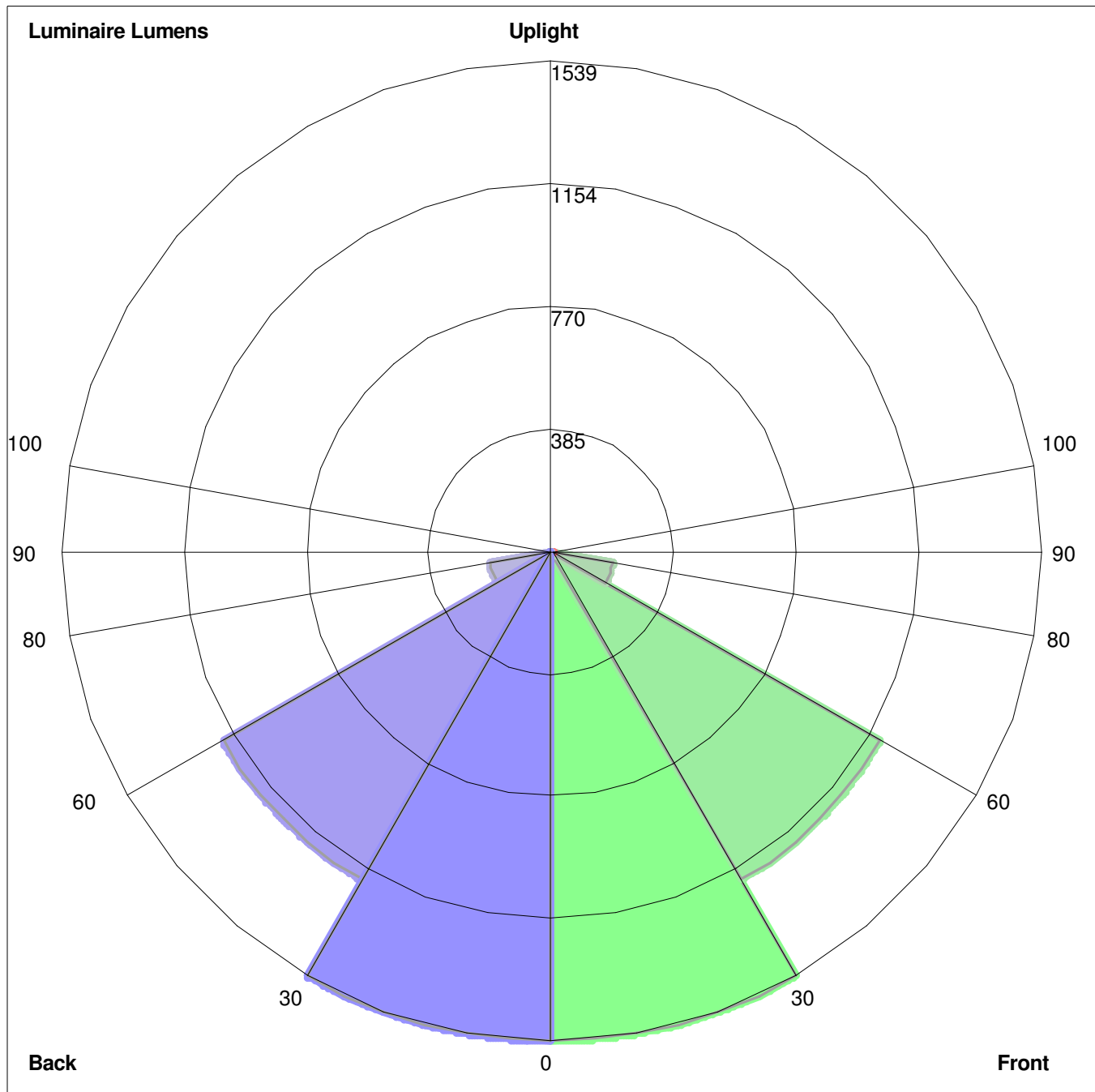


Maximum Candela = 4741.761 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1539.3, Medium=1191.2, High=196.1, Very High=5.5
Back: Low=1539.3, Medium=1191.2, High=196.1, Very High=5.5
Uplight: Low=1.5, High=0.1

BUG Rating : B3-U1-G0