

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-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-L70-840-RDB-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	7090
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5731.629
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5731.629
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.963 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	36.497 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1860.6	N.A.	26.2
FM - Front-Medium (30-60)	1439.9	N.A.	20.3
FH - Front-High (60-80)	237.0	N.A.	3.3
FVH - Front-Very High (80-90)	6.6	N.A.	0.1
BL - Back-Low (0-30)	1860.6	N.A.	26.2
BM - Back-Medium (30-60)	1439.9	N.A.	20.3
BH - Back-High (60-80)	237.0	N.A.	3.3
BVH - Back-Very High (80-90)	6.6	N.A.	0.1
UL - Uplight-Low (90-100)	1.9	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	7090.2	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	5681.815	5681.815	5681.815	5681.815	5681.815
1	5687.232	5688.415	5695.913	5695.416	5692.767
2	5671.171	5677.700	5694.375	5701.613	5698.562
3	5646.667	5659.132	5695.345	5714.433	5713.700
4	5614.499	5636.803	5694.706	5730.068	5729.950
5	5571.284	5607.450	5685.600	5731.227	5731.629
6	5524.096	5568.067	5661.805	5713.487	5712.210
7	5467.589	5518.987	5618.567	5671.999	5668.002
8	5405.594	5458.553	5559.127	5612.654	5602.506
9	5334.611	5388.587	5485.849	5536.751	5524.853
10	5257.786	5312.353	5400.130	5447.815	5437.620
11	5178.240	5227.155	5300.787	5344.593	5336.953
12	5095.052	5134.931	5197.754	5232.713	5222.069
13	5011.746	5038.261	5092.214	5121.638	5100.327
14	4920.870	4942.063	4985.443	5006.471	4979.293
15	4827.511	4845.275	4878.815	4892.889	4866.941
16	4731.172	4745.884	4773.393	4781.127	4759.414
17	4632.586	4649.805	4672.086	4668.751	4655.411
18	4542.538	4555.618	4575.984	4565.269	4556.801
19	4453.910	4461.928	4478.367	4465.122	4457.079
20	4371.148	4376.730	4385.978	4377.770	4359.274
21	4291.744	4292.430	4297.870	4293.210	4271.568
22	4219.034	4210.708	4214.398	4211.158	4197.226
23	4149.163	4135.491	4139.702	4133.930	4124.706
24	4082.603	4069.546	4072.834	4059.470	4052.185
25	4020.111	4004.666	4003.483	3986.642	3974.508
26	3951.565	3939.194	3929.189	3908.729	3892.455
27	3874.266	3858.206	3840.608	3817.901	3798.907
28	3775.609	3757.088	3729.130	3698.878	3689.251
29	3647.622	3625.624	3587.921	3551.022	3543.004
30	3481.009	3453.358	3412.509	3369.839	3357.658
31	3271.655	3242.325	3199.253	3156.985	3141.515
32	3025.710	3000.566	2963.857	2926.650	2918.041
33	2750.032	2732.860	2710.744	2686.500	2694.518
34	2463.498	2455.882	2453.351	2449.519	2467.898
35	2185.952	2186.047	2200.191	2217.576	2242.223
36	1933.644	1939.676	1967.799	1997.200	2024.094
37	1712.629	1723.770	1759.179	1794.516	1820.748
38	1532.227	1546.915	1583.412	1617.827	1639.872
39	1397.215	1413.086	1445.183	1473.212	1491.118
40	1300.237	1313.412	1338.484	1358.234	1373.159
41	1232.187	1242.050	1259.388	1271.427	1282.237
42	1184.360	1189.162	1200.444	1207.233	1212.720
43	1146.278	1148.005	1155.077	1157.892	1157.987
44	1112.289	1112.715	1116.688	1116.617	1113.992
45	1080.807	1080.239	1082.131	1080.310	1077.282
46	1048.804	1048.047	1049.159	1046.391	1042.820
47	1015.808	1015.051	1015.122	1012.520	1008.925
48	982.055	981.109	980.683	977.939	974.367
49	947.119	945.747	946.007	942.720	939.313
50	910.788	909.723	909.818	906.767	903.408
51	874.031	873.369	873.250	870.246	867.337
52	836.872	836.470	836.422	833.631	830.651

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	800.328	799.665	799.642	797.087	793.989
54	763.855	763.050	762.696	759.810	756.640
55	726.814	725.442	725.276	721.847	718.890
56	686.982	686.083	685.823	682.369	679.460
57	647.505	646.109	645.636	642.183	639.321
58	608.217	606.703	606.064	602.682	600.411
59	569.071	567.652	566.942	563.583	561.431
60	531.060	529.546	528.955	525.644	523.562
61	493.854	492.316	492.080	488.792	487.065
62	458.043	456.482	456.127	453.241	451.586
63	422.989	421.712	421.333	418.802	417.241
64	388.905	387.959	387.699	385.428	384.127
65	356.666	355.791	355.720	353.685	352.881
66	325.112	324.710	324.734	322.771	322.038
67	295.451	295.097	294.836	293.252	292.755
68	266.997	266.571	266.524	265.175	264.868
69	239.535	239.252	239.275	238.140	238.187
70	213.777	213.635	213.446	212.618	212.689
71	189.343	189.320	189.012	188.516	188.610
72	166.494	166.518	166.376	165.832	166.282
73	145.065	145.041	144.994	144.568	144.970
74	125.220	125.125	125.220	124.960	125.291
75	106.818	106.794	106.889	106.747	106.959
76	89.716	89.669	89.835	89.716	89.953
77	74.082	74.058	74.389	74.200	74.460
78	59.819	59.771	60.174	60.103	60.363
79	47.093	47.046	47.425	47.590	47.685
80	35.811	35.858	36.260	36.426	36.497
81	25.971	26.066	26.373	26.657	26.728
82	17.125	17.267	17.622	17.882	18.071
83	11.732	11.850	12.442	12.773	12.915
84	10.880	10.880	10.904	10.928	10.833
85	10.076	10.076	10.076	10.076	9.982
86	9.035	9.035	9.012	8.988	8.917
87	7.593	7.616	7.593	7.593	7.498
88	5.795	5.771	5.748	5.748	5.677
89	3.524	3.524	3.501	3.524	3.453
90	1.419	1.537	1.821	1.963	1.963
91	1.277	1.301	1.301	1.325	1.277
92	1.372	1.372	1.372	1.372	1.348
93	1.443	1.443	1.466	1.443	1.419
94	1.537	1.537	1.537	1.537	1.537
95	1.632	1.632	1.656	1.656	1.632
96	1.727	1.750	1.750	1.750	1.727
97	1.845	1.845	1.869	1.869	1.845
98	1.987	1.963	1.963	1.987	1.987
99	2.152	2.105	2.105	2.129	2.081
100	2.200	2.223	2.223	2.247	2.200
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

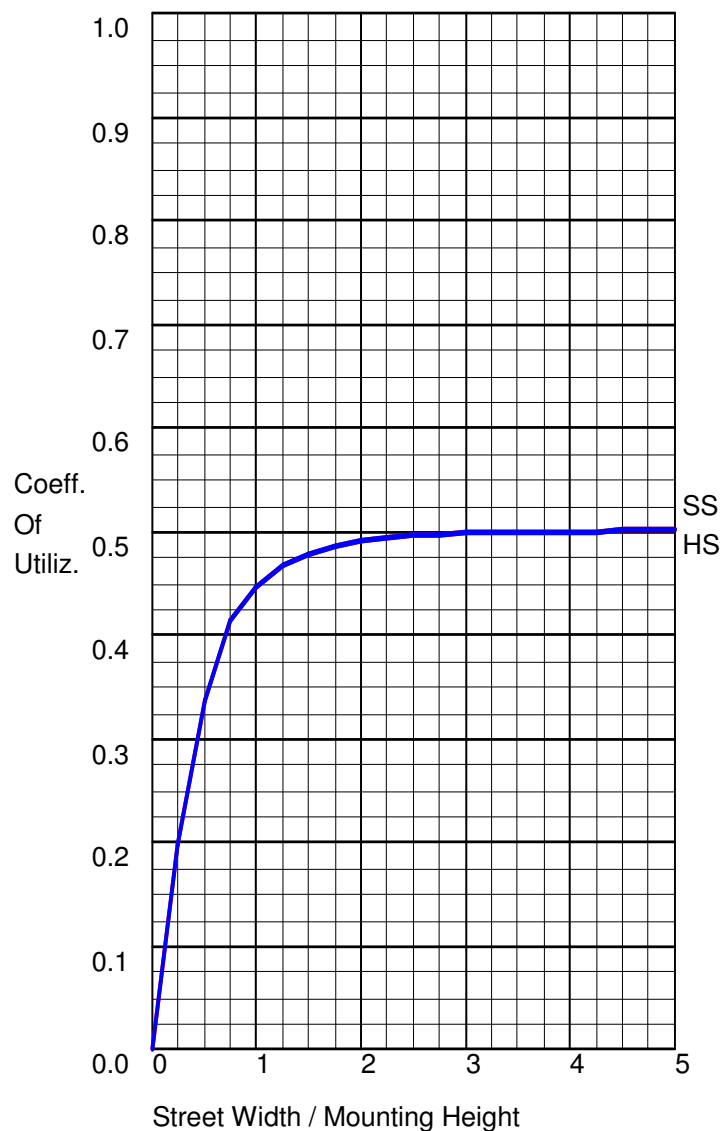
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L70-840-RDB-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L70-840-RDB-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

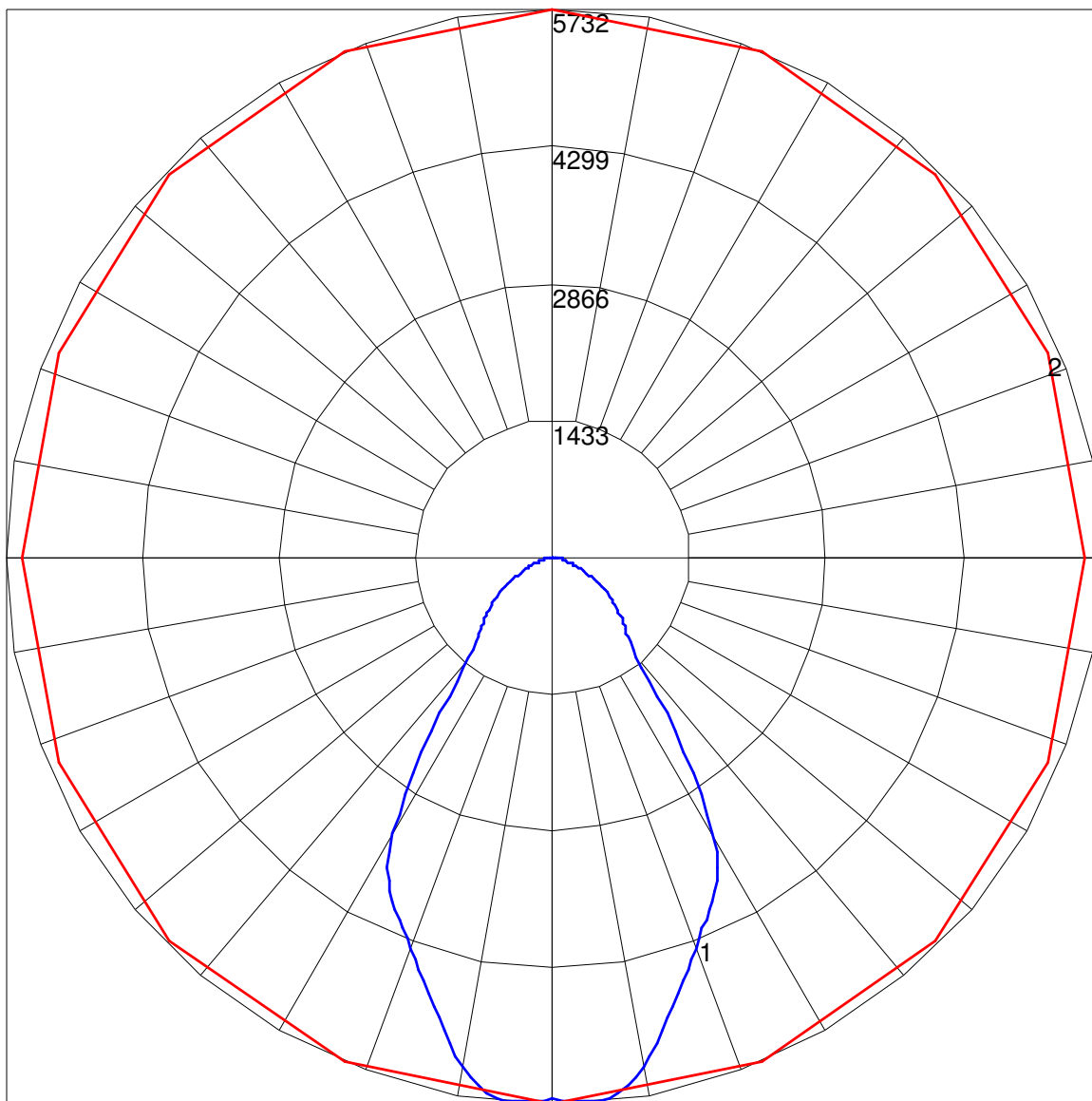
# COEFFICIENTS OF UTILIZATION



# FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	3544.2	50.0
Downward House Side	3544.2	50.0
Downward Total	7088.4	100.0
Upward Street Side	1.0	0.0
Upward House Side	1.0	0.0
Upward Total	2.0	0.0
Total Flux	7090.4	100.0

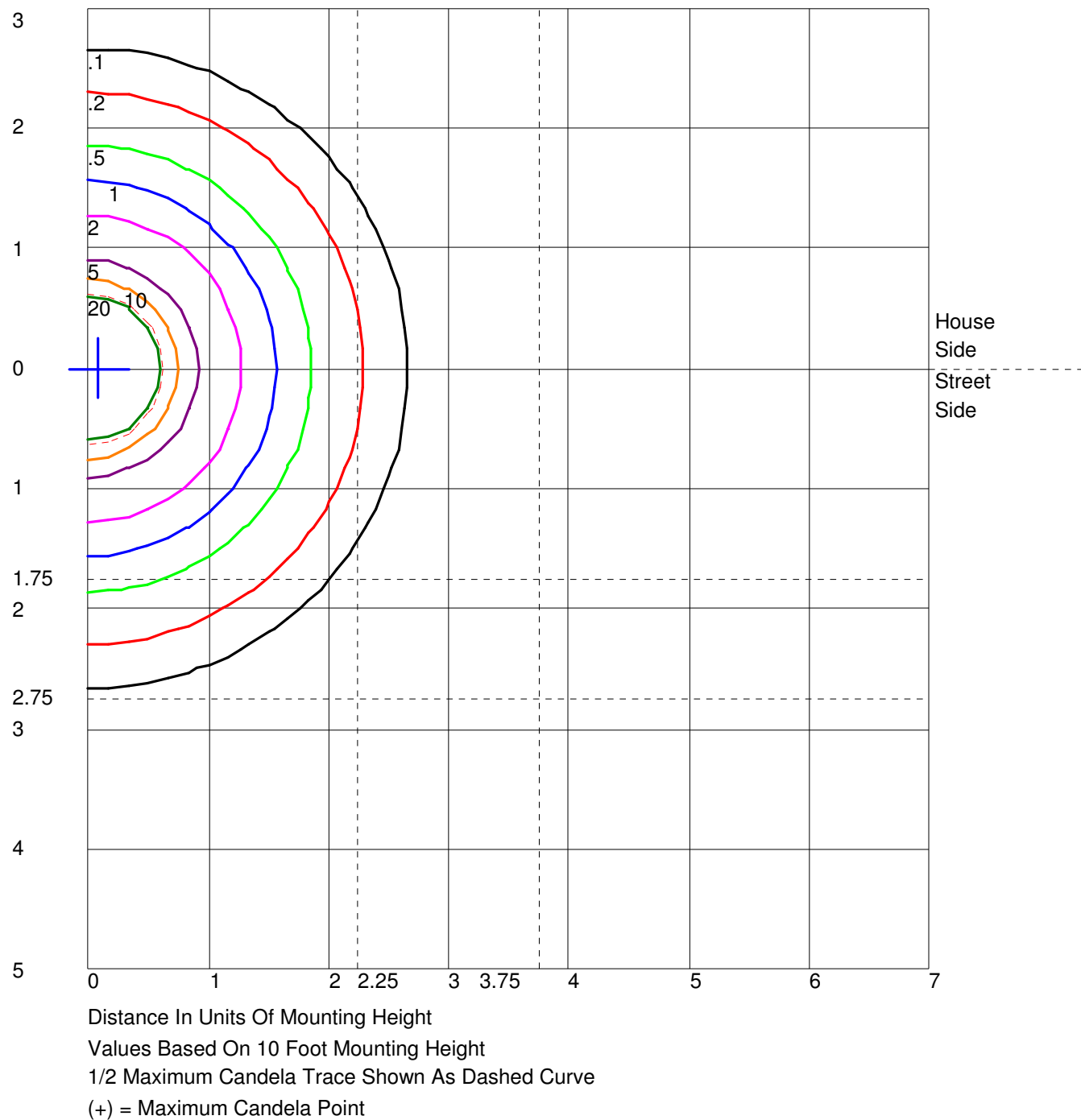
POLAR GRAPH



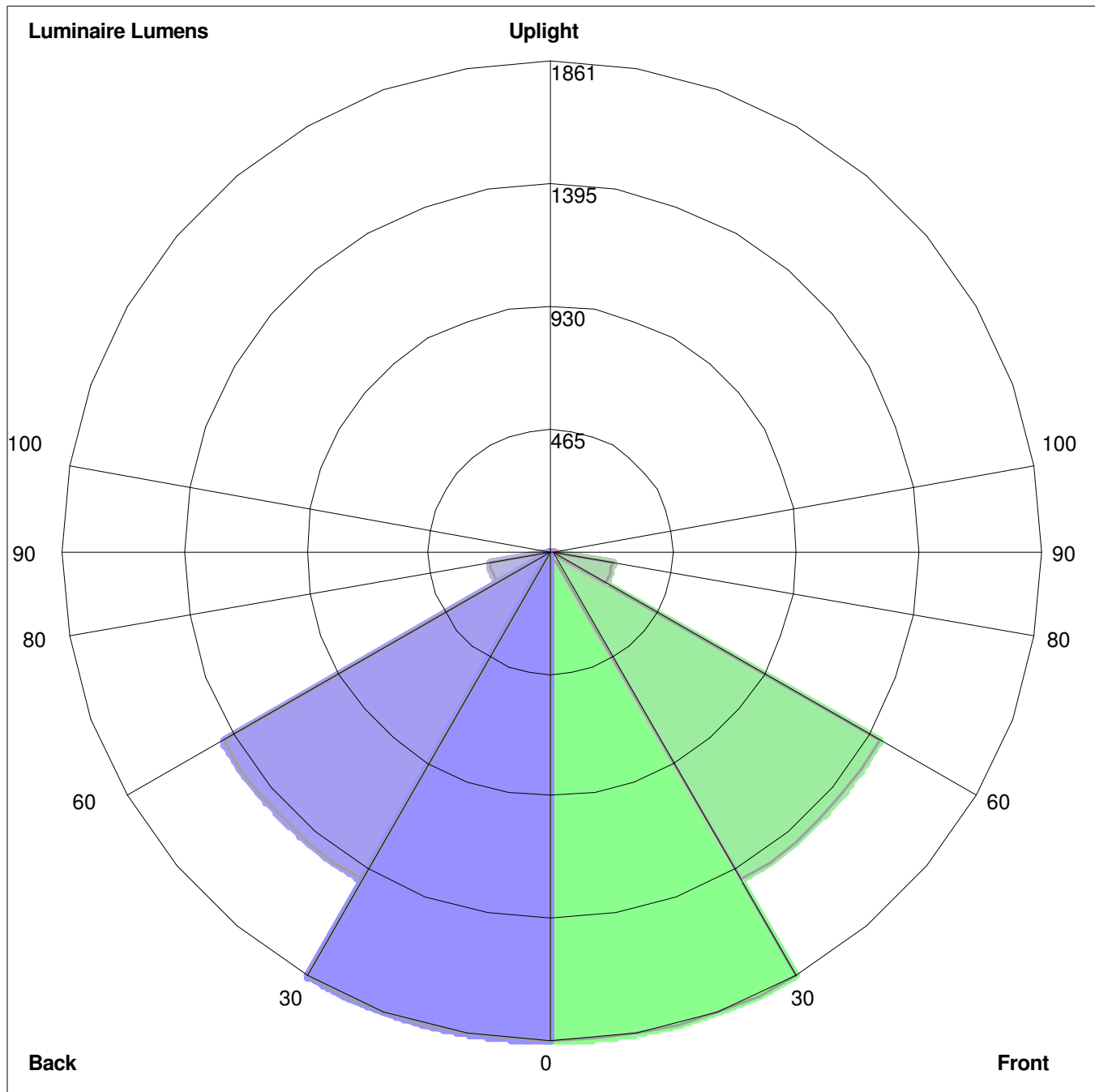
Maximum Candela = 5731.629 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1860.6, Medium=1439.9, High=237.0, Very High=6.6  
Back: Low=1860.6, Medium=1439.9, High=237.0, Very High=6.6  
Uplight: Low=1.9, High=0.1

BUG Rating : B3-U1-G0