

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-827-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-L70-827-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	6880
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5561.382
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5561.382
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.905 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	35.413 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1805.3	N.A.	26.2
FM - Front-Medium (30-60)	1397.1	N.A.	20.3
FH - Front-High (60-80)	230.0	N.A.	3.3
FVH - Front-Very High (80-90)	6.4	N.A.	0.1
BL - Back-Low (0-30)	1805.3	N.A.	26.2
BM - Back-Medium (30-60)	1397.1	N.A.	20.3
BH - Back-High (60-80)	230.0	N.A.	3.3
BVH - Back-Very High (80-90)	6.4	N.A.	0.1
UL - Uplight-Low (90-100)	1.8	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6879.5	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-W-XXX_.IES****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	5513.048	5513.048	5513.048	5513.048	5513.048
1	5518.304	5519.452	5526.727	5526.245	5523.674
2	5502.721	5509.055	5525.235	5532.258	5529.297
3	5478.944	5491.039	5526.176	5544.697	5543.986
4	5447.731	5469.373	5525.556	5559.868	5559.753
5	5405.800	5440.892	5516.720	5560.992	5561.382
6	5360.014	5402.679	5493.632	5543.779	5542.540
7	5305.185	5355.057	5451.679	5503.524	5499.645
8	5245.032	5296.418	5394.004	5445.941	5436.095
9	5176.157	5228.530	5322.903	5372.293	5360.748
10	5101.613	5154.560	5239.730	5285.998	5276.107
11	5024.431	5071.892	5143.338	5185.842	5178.429
12	4943.714	4982.408	5043.365	5077.286	5066.958
13	4862.882	4888.609	4940.959	4969.510	4948.832
14	4774.706	4795.269	4837.361	4857.764	4831.393
15	4684.120	4701.356	4733.899	4747.555	4722.378
16	4590.642	4604.917	4631.609	4639.114	4618.045
17	4494.984	4511.692	4533.311	4530.075	4517.131
18	4407.611	4420.303	4440.063	4429.667	4421.450
19	4321.615	4329.396	4345.346	4332.494	4324.691
20	4241.311	4246.728	4255.701	4247.738	4229.790
21	4164.266	4164.932	4170.210	4165.689	4144.689
22	4093.716	4085.638	4089.218	4086.074	4072.556
23	4025.920	4012.655	4016.740	4011.140	4002.189
24	3961.337	3948.669	3951.859	3938.892	3931.823
25	3900.702	3885.715	3884.568	3868.227	3856.453
26	3834.191	3822.188	3812.480	3792.628	3776.838
27	3759.189	3743.605	3726.530	3704.497	3686.068
28	3663.462	3645.492	3618.364	3589.010	3579.669
29	3539.276	3517.932	3481.349	3445.546	3437.766
30	3377.613	3350.783	3311.148	3269.745	3257.925
31	3174.477	3146.018	3104.225	3063.213	3048.203
32	2935.837	2911.441	2875.821	2839.720	2831.366
33	2668.348	2651.686	2630.227	2606.703	2614.483
34	2390.325	2382.935	2380.479	2376.761	2394.594
35	2121.023	2121.115	2134.839	2151.708	2175.622
36	1876.209	1882.062	1909.350	1937.877	1963.972
37	1661.759	1672.569	1706.926	1741.214	1766.666
38	1486.715	1500.967	1536.380	1569.773	1591.163
39	1355.713	1371.113	1402.257	1429.453	1446.827
40	1261.616	1274.399	1298.727	1317.891	1332.372
41	1195.587	1205.157	1221.980	1233.662	1244.150
42	1149.181	1153.840	1164.787	1171.374	1176.699
43	1112.231	1113.906	1120.768	1123.499	1123.591
44	1079.251	1079.664	1083.519	1083.451	1080.903
45	1048.703	1048.153	1049.989	1048.221	1045.284
46	1017.651	1016.917	1017.996	1015.310	1011.845
47	985.635	984.901	984.970	982.445	978.957
48	952.885	951.967	951.554	948.891	945.426
49	918.987	917.656	917.908	914.718	911.413
50	883.735	882.702	882.794	879.833	876.574
51	848.069	847.427	847.312	844.397	841.574
52	812.014	811.624	811.578	808.870	805.978

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	776.556	775.913	775.890	773.411	770.405
54	741.166	740.385	740.041	737.241	734.166
55	705.225	703.894	703.733	700.406	697.537
56	666.576	665.704	665.452	662.101	659.278
57	628.272	626.918	626.459	623.108	620.331
58	590.151	588.682	588.062	584.781	582.577
59	552.168	550.791	550.102	546.843	544.755
60	515.286	513.817	513.244	510.031	508.011
61	479.185	477.693	477.464	474.274	472.598
62	444.438	442.923	442.579	439.779	438.172
63	410.425	409.186	408.819	406.363	404.848
64	377.353	376.435	376.183	373.980	372.717
65	346.072	345.222	345.154	343.180	342.400
66	315.456	315.065	315.088	313.183	312.472
67	286.676	286.331	286.079	284.541	284.059
68	259.066	258.653	258.607	257.299	257.000
69	232.420	232.145	232.168	231.066	231.112
70	207.427	207.290	207.106	206.303	206.372
71	183.719	183.696	183.398	182.916	183.008
72	161.549	161.572	161.434	160.906	161.343
73	140.756	140.733	140.687	140.274	140.664
74	121.500	121.409	121.500	121.248	121.569
75	103.645	103.622	103.714	103.576	103.782
76	87.052	87.006	87.166	87.052	87.281
77	71.881	71.858	72.180	71.996	72.248
78	58.042	57.996	58.386	58.317	58.570
79	45.695	45.649	46.016	46.177	46.268
80	34.747	34.793	35.183	35.344	35.413
81	25.200	25.292	25.590	25.865	25.934
82	16.616	16.754	17.098	17.351	17.534
83	11.383	11.498	12.072	12.393	12.531
84	10.557	10.557	10.580	10.603	10.511
85	9.777	9.777	9.777	9.777	9.685
86	8.767	8.767	8.744	8.721	8.652
87	7.367	7.390	7.367	7.367	7.275
88	5.623	5.600	5.577	5.577	5.508
89	3.420	3.420	3.397	3.420	3.351
90	1.377	1.492	1.767	1.905	1.905
91	1.239	1.262	1.262	1.285	1.239
92	1.331	1.331	1.331	1.331	1.308
93	1.400	1.400	1.423	1.400	1.377
94	1.492	1.492	1.492	1.492	1.492
95	1.584	1.584	1.607	1.607	1.584
96	1.675	1.698	1.698	1.698	1.675
97	1.790	1.790	1.813	1.813	1.790
98	1.928	1.905	1.905	1.928	1.928
99	2.089	2.043	2.043	2.066	2.020
100	2.134	2.157	2.157	2.180	2.134
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

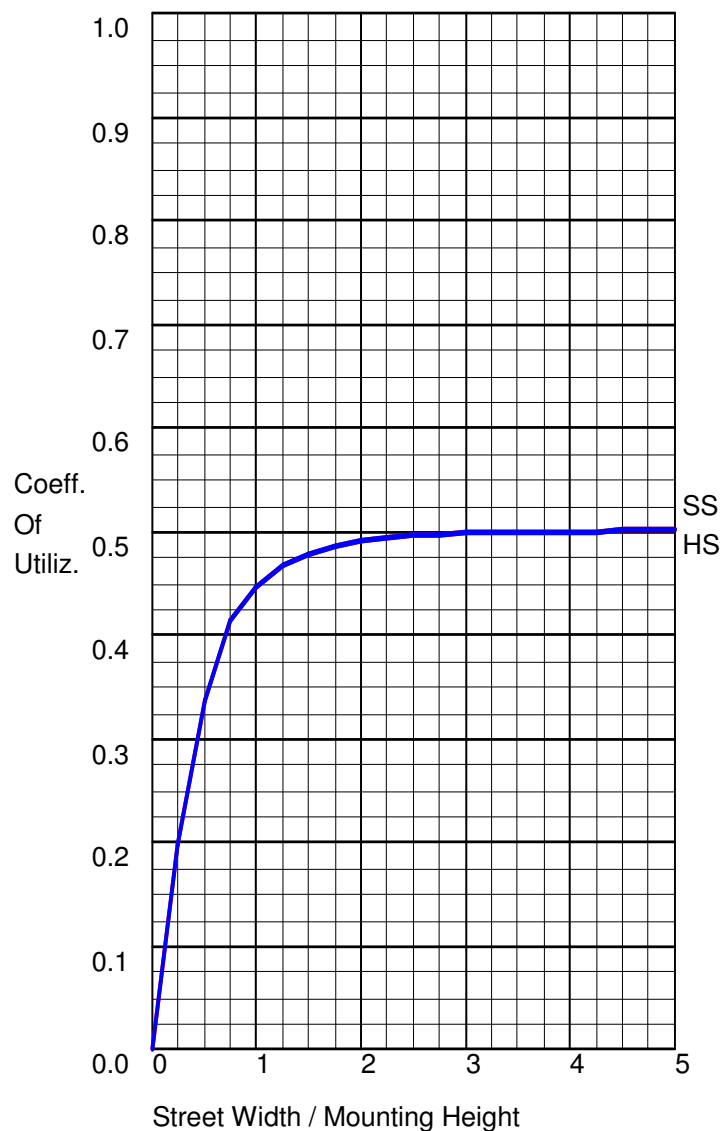
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-827-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-827-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

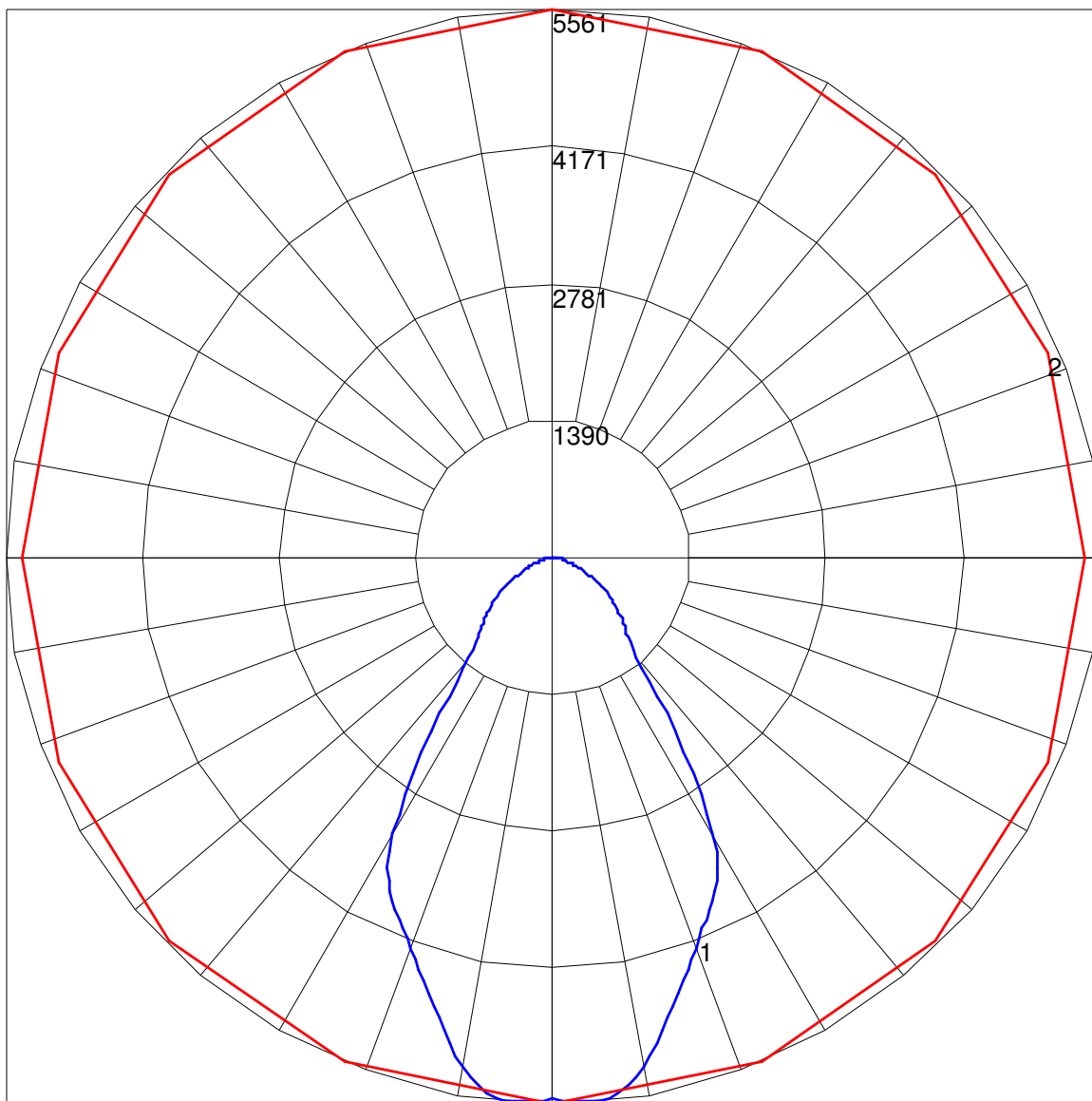
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

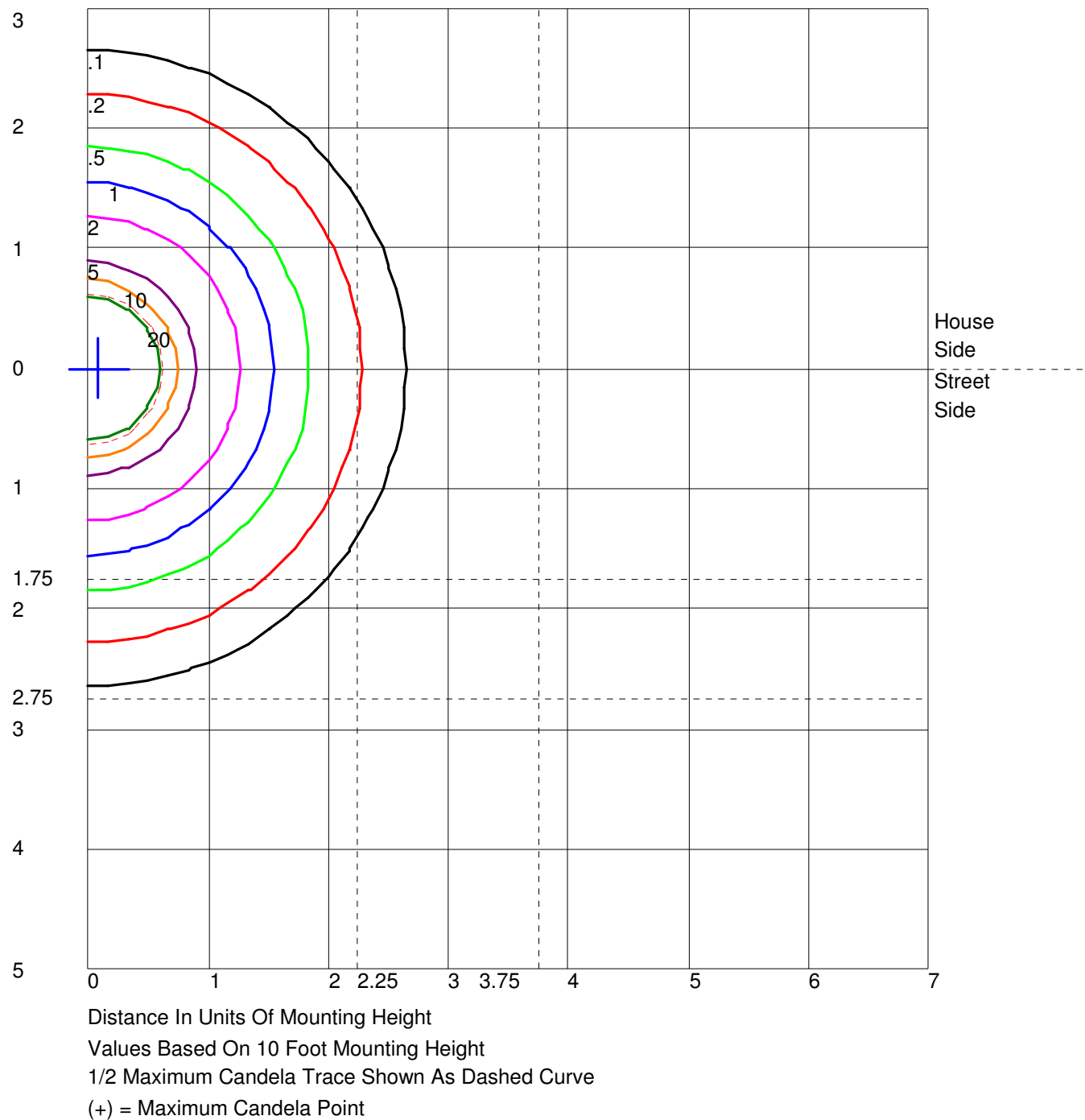
	Lumens	Percent Of Luminaire
Downward Street Side	3438.9	50.0
Downward House Side	3438.9	50.0
Downward Total	6877.8	100.0
Upward Street Side	1.0	0.0
Upward House Side	1.0	0.0
Upward Total	2.0	0.0
Total Flux	6879.8	100.0

POLAR GRAPH

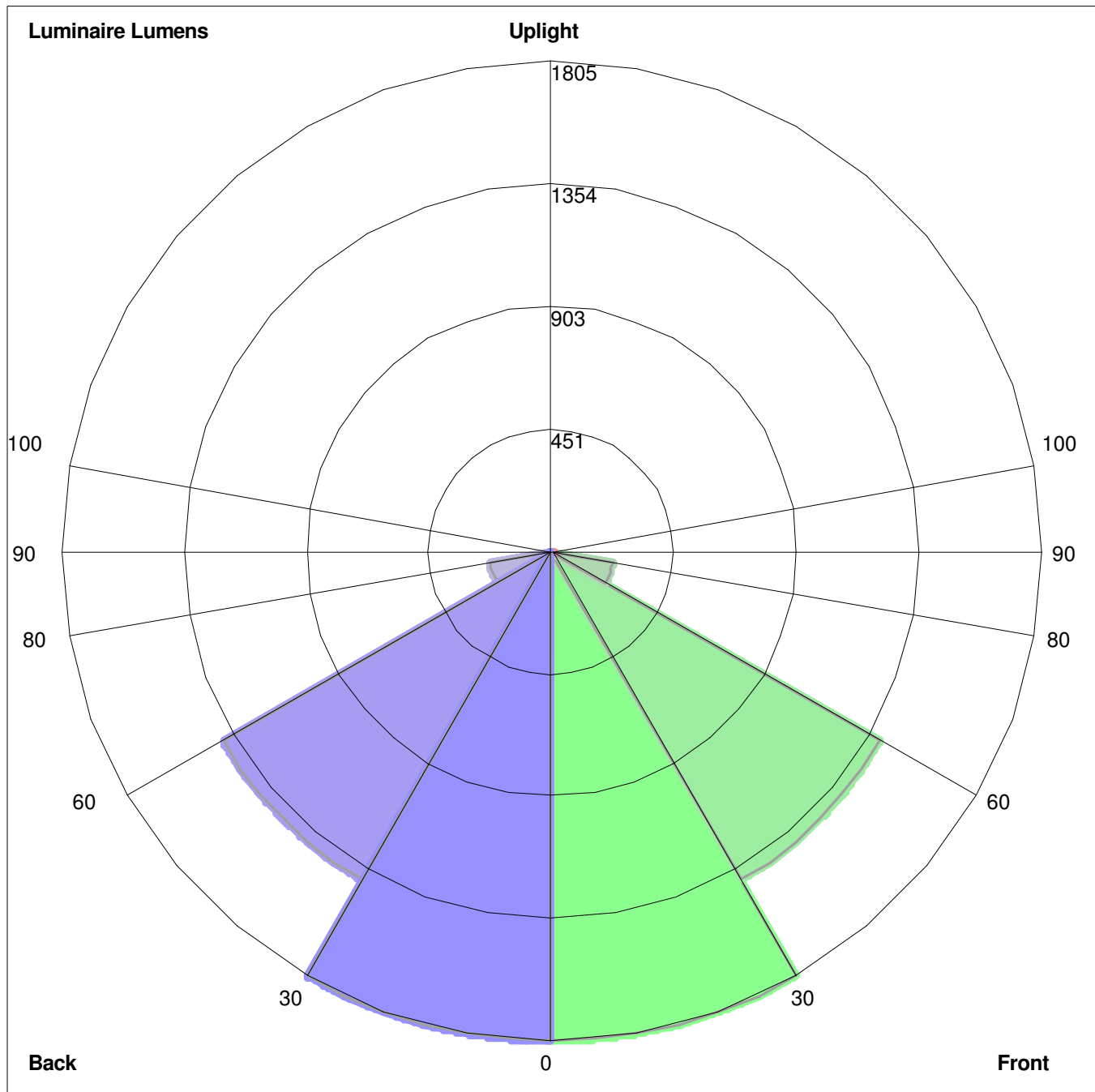


Maximum Candela = 5561.382 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1805.3, Medium=1397.1, High=230.0, Very High=6.4
Back: Low=1805.3, Medium=1397.1, High=230.0, Very High=6.4
Uplight: Low=1.8, High=0.1

BUG Rating : B3-U1-G0