

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-840-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-L60-840-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	6303
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5094.87
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5094.87
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.745 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	32.442 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1653.9	N.A.	26.2
FM - Front-Medium (30-60)	1279.9	N.A.	20.3
FH - Front-High (60-80)	210.7	N.A.	3.3
FVH - Front-Very High (80-90)	5.9	N.A.	0.1
BL - Back-Low (0-30)	1653.9	N.A.	26.2
BM - Back-Medium (30-60)	1279.9	N.A.	20.3
BH - Back-High (60-80)	210.7	N.A.	3.3
BVH - Back-Very High (80-90)	5.9	N.A.	0.1
UL - Uplight-Low (90-100)	1.6	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6302.5	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	5050.591	5050.591	5050.591	5050.591	5050.591
1	5055.406	5056.457	5063.122	5062.680	5060.326
2	5041.129	5046.932	5061.755	5068.189	5065.477
3	5019.347	5030.428	5062.617	5079.585	5078.933
4	4990.753	5010.580	5062.050	5093.483	5093.378
5	4952.339	4984.487	5053.955	5094.513	5094.870
6	4910.394	4949.480	5032.803	5078.744	5077.609
7	4860.164	4905.852	4994.369	5041.865	5038.312
8	4805.056	4852.132	4941.532	4989.113	4980.093
9	4741.959	4789.939	4876.396	4921.642	4911.066
10	4673.669	4722.174	4800.200	4842.587	4833.525
11	4602.961	4646.441	4711.893	4750.832	4744.041
12	4529.014	4564.463	4620.306	4651.382	4641.921
13	4454.963	4478.532	4526.491	4552.647	4533.703
14	4374.183	4393.022	4431.583	4450.274	4426.116
15	4291.196	4306.986	4336.800	4349.310	4326.245
16	4205.560	4218.638	4243.090	4249.965	4230.664
17	4117.926	4133.232	4153.038	4150.074	4138.216
18	4037.882	4049.509	4067.612	4058.088	4050.561
19	3959.100	3966.228	3980.841	3969.066	3961.918
20	3885.532	3890.494	3898.715	3891.420	3874.978
21	3814.950	3815.560	3820.396	3816.254	3797.016
22	3750.318	3742.917	3746.197	3743.317	3730.933
23	3688.209	3676.057	3679.799	3674.669	3666.469
24	3629.044	3617.438	3620.360	3608.481	3602.005
25	3573.495	3559.765	3558.714	3543.744	3532.958
26	3512.563	3501.567	3492.673	3474.486	3460.021
27	3443.852	3429.576	3413.933	3393.749	3376.865
28	3356.155	3339.693	3314.841	3287.949	3279.392
29	3242.387	3222.833	3189.319	3156.519	3149.392
30	3094.284	3069.706	3033.395	2995.465	2984.637
31	2908.189	2882.117	2843.830	2806.258	2792.507
32	2689.567	2667.217	2634.585	2601.512	2593.859
33	2444.516	2429.252	2409.593	2388.042	2395.169
34	2189.814	2183.044	2180.795	2177.388	2193.725
35	1943.103	1943.187	1955.760	1971.214	1993.122
36	1718.825	1724.186	1749.186	1775.320	1799.226
37	1522.364	1532.267	1563.742	1595.154	1618.471
38	1362.003	1375.060	1407.502	1438.094	1457.690
39	1241.990	1256.098	1284.630	1309.545	1325.461
40	1155.786	1167.497	1189.784	1207.340	1220.607
41	1095.296	1104.064	1119.475	1130.177	1139.786
42	1052.783	1057.051	1067.080	1073.114	1077.992
43	1018.932	1020.467	1026.753	1029.255	1029.340
44	988.719	989.097	992.629	992.566	990.232
45	960.734	960.229	961.911	960.292	957.601
46	932.286	931.614	932.602	930.142	926.967
47	902.956	902.283	902.346	900.033	896.838
48	872.953	872.112	871.733	869.294	866.120
49	841.898	840.679	840.910	837.988	834.960
50	809.603	808.657	808.741	806.029	803.043
51	776.930	776.341	776.236	773.566	770.980
52	743.899	743.542	743.500	741.019	738.369

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	711.415	710.826	710.805	708.534	705.780
54	678.994	678.279	677.963	675.398	672.581
55	646.068	644.848	644.701	641.653	639.024
56	610.661	609.862	609.631	606.561	603.975
57	575.570	574.329	573.909	570.839	568.295
58	540.647	539.301	538.733	535.727	533.708
59	505.850	504.588	503.957	500.972	499.058
60	472.062	470.716	470.191	467.247	465.397
61	438.989	437.622	437.412	434.490	432.955
62	407.157	405.769	405.453	402.888	401.417
63	375.997	374.862	374.525	372.275	370.888
64	345.699	344.858	344.627	342.609	341.452
65	317.042	316.264	316.201	314.393	313.678
66	288.994	288.636	288.657	286.912	286.261
67	262.628	262.313	262.081	260.673	260.231
68	237.335	236.956	236.914	235.716	235.442
69	212.924	212.672	212.693	211.684	211.726
70	190.027	189.901	189.733	188.997	189.060
71	168.308	168.287	168.014	167.572	167.656
72	147.998	148.019	147.893	147.409	147.808
73	128.949	128.928	128.886	128.507	128.865
74	111.308	111.224	111.308	111.077	111.371
75	94.951	94.930	95.014	94.888	95.077
76	79.749	79.707	79.854	79.749	79.960
77	65.851	65.830	66.125	65.957	66.188
78	53.173	53.131	53.489	53.425	53.657
79	41.862	41.819	42.156	42.303	42.387
80	31.832	31.874	32.232	32.379	32.442
81	23.086	23.170	23.443	23.696	23.759
82	15.222	15.349	15.664	15.895	16.063
83	10.429	10.534	11.059	11.354	11.480
84	9.672	9.672	9.693	9.714	9.630
85	8.957	8.957	8.957	8.957	8.873
86	8.032	8.032	8.011	7.990	7.927
87	6.749	6.770	6.749	6.749	6.665
88	5.151	5.130	5.109	5.109	5.046
89	3.133	3.133	3.112	3.133	3.070
90	1.262	1.367	1.619	1.745	1.745
91	1.135	1.156	1.156	1.177	1.135
92	1.219	1.219	1.219	1.219	1.198
93	1.283	1.283	1.304	1.283	1.262
94	1.367	1.367	1.367	1.367	1.367
95	1.451	1.451	1.472	1.472	1.451
96	1.535	1.556	1.556	1.556	1.535
97	1.640	1.640	1.661	1.661	1.640
98	1.766	1.745	1.745	1.766	1.766
99	1.913	1.871	1.871	1.892	1.850
100	1.955	1.976	1.976	1.997	1.955
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

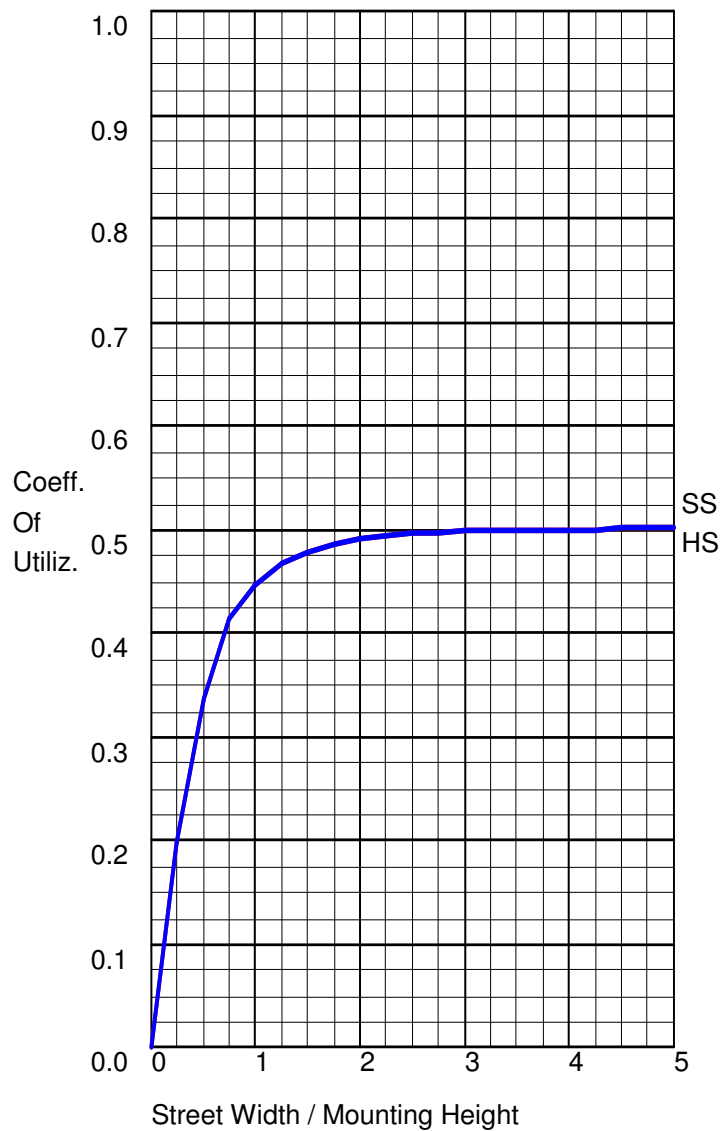
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-840-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L60-840-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

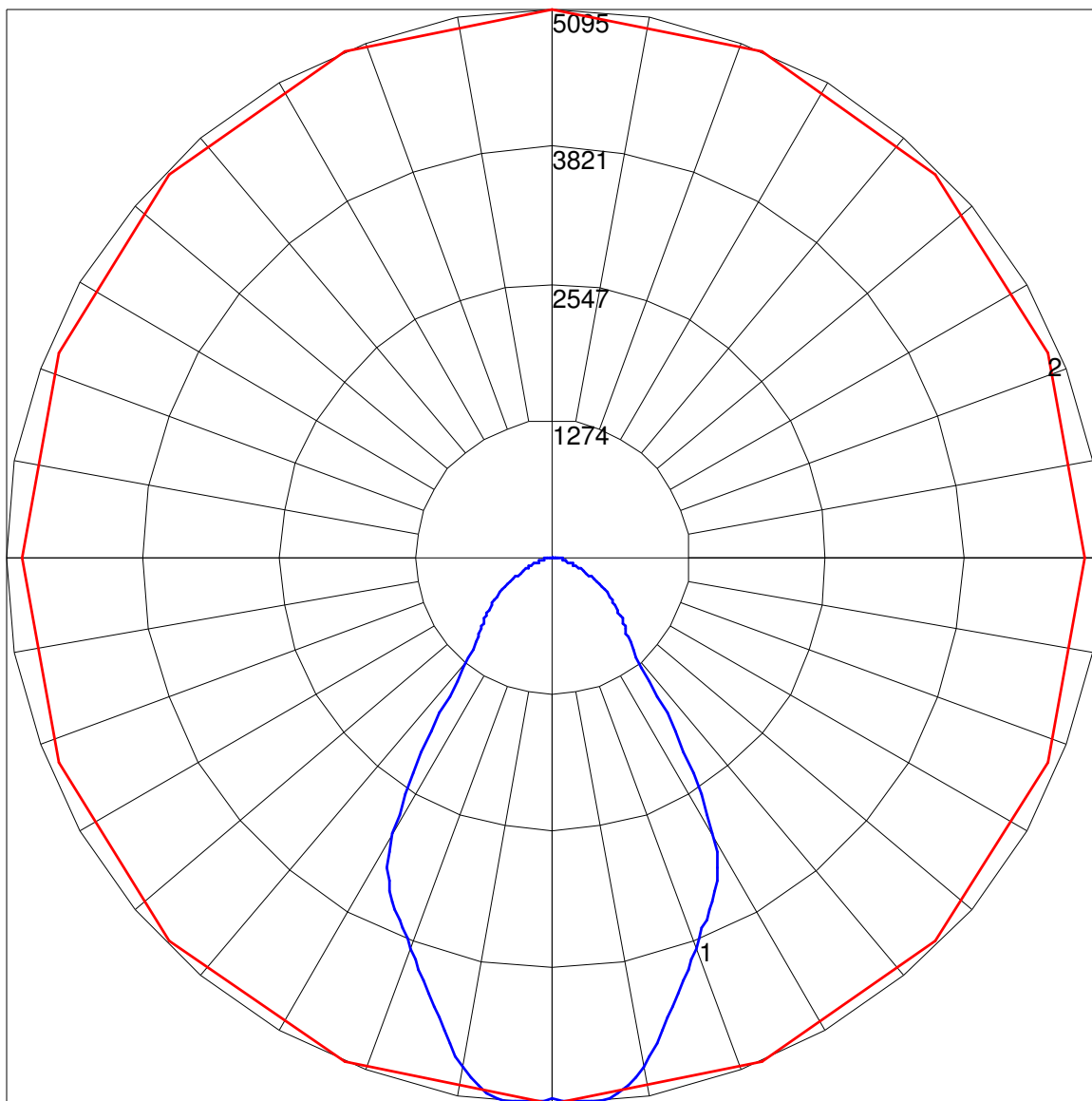
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

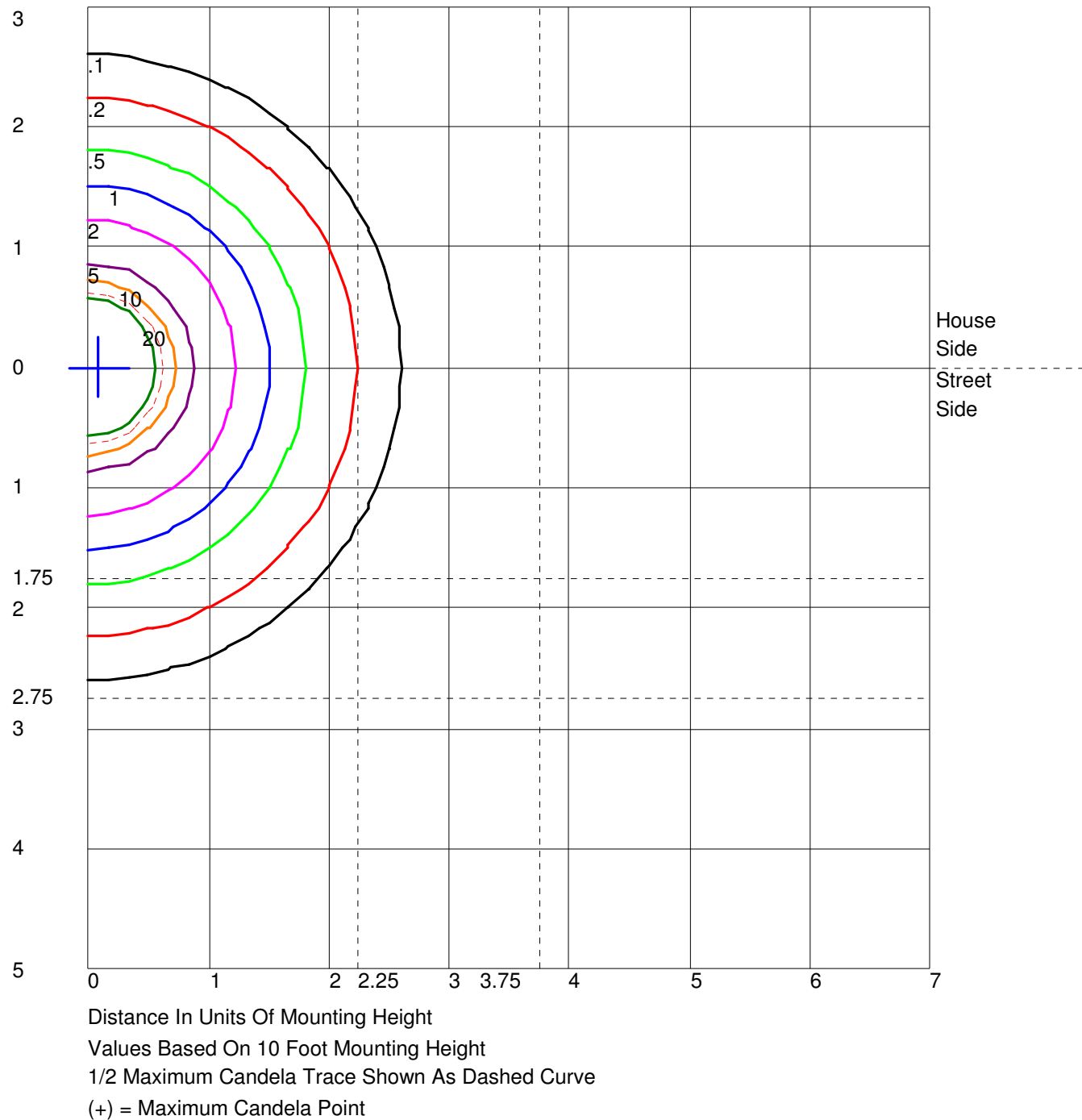
	Lumens	Percent Of Luminaire
Downward Street Side	3150.4	50.0
Downward House Side	3150.4	50.0
Downward Total	6300.8	100.0
Upward Street Side	0.9	0.0
Upward House Side	0.9	0.0
Upward Total	1.8	0.0
Total Flux	6302.6	100.0

POLAR GRAPH

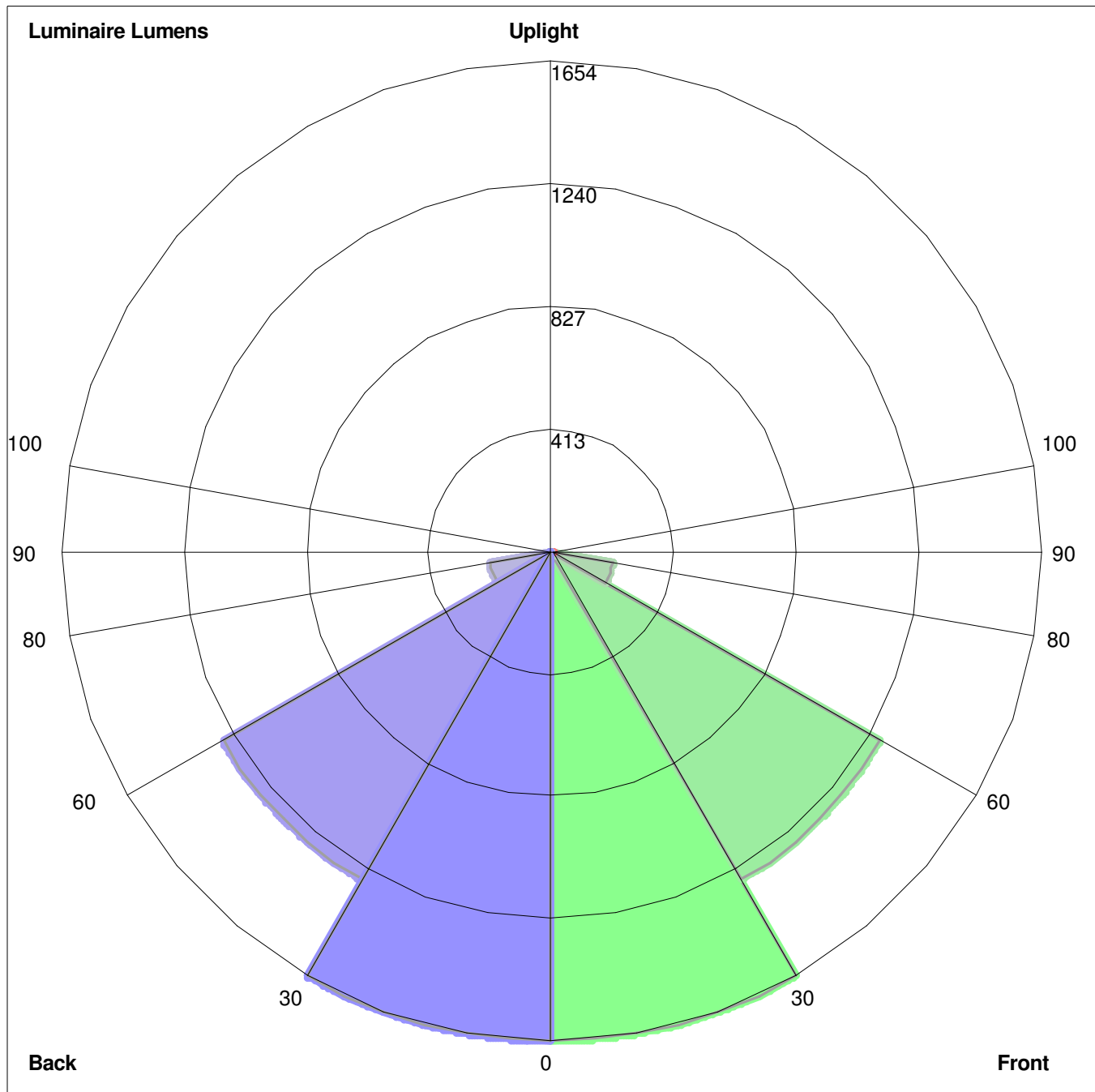


Maximum Candela = 5094.87 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1653.9, Medium=1279.9, High=210.7, Very High=5.9  
Back: Low=1653.9, Medium=1279.9, High=210.7, Very High=5.9  
Uplight: Low=1.6, High=0.1

BUG Rating : B3-U1-G0