

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-935-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-L60-935-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	5991
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4842.649
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4842.649
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.659 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	30.836 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1572.0	N.A.	26.2
FM - Front-Medium (30-60)	1216.6	N.A.	20.3
FH - Front-High (60-80)	200.3	N.A.	3.3
FVH - Front-Very High (80-90)	5.6	N.A.	0.1
BL - Back-Low (0-30)	1572.0	N.A.	26.2
BM - Back-Medium (30-60)	1216.6	N.A.	20.3
BH - Back-High (60-80)	200.3	N.A.	3.3
BVH - Back-Very High (80-90)	5.6	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	5990.7	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	4800.561	4800.561	4800.561	4800.561	4800.561
1	4805.138	4806.137	4812.472	4812.052	4809.814
2	4791.568	4797.084	4811.173	4817.288	4814.710
3	4770.864	4781.396	4811.993	4828.120	4827.500
4	4743.685	4762.531	4811.453	4841.330	4841.230
5	4707.174	4737.730	4803.759	4842.309	4842.649
6	4667.305	4704.456	4783.654	4827.321	4826.241
7	4619.562	4662.988	4747.123	4792.268	4788.890
8	4567.182	4611.927	4696.902	4742.127	4733.553
9	4507.209	4552.813	4634.990	4677.996	4667.944
10	4442.299	4488.403	4562.566	4602.855	4594.241
11	4375.091	4416.419	4478.631	4515.642	4509.187
12	4304.805	4338.499	4391.578	4421.115	4412.122
13	4234.420	4256.823	4302.407	4327.268	4309.262
14	4157.639	4175.546	4212.197	4229.963	4207.001
15	4078.760	4093.769	4122.107	4133.998	4112.075
16	3997.364	4009.794	4033.036	4039.571	4021.225
17	3914.068	3928.617	3947.442	3944.624	3933.353
18	3837.987	3849.038	3866.245	3857.192	3850.038
19	3763.105	3769.880	3783.769	3772.578	3765.783
20	3693.179	3697.896	3705.709	3698.775	3683.147
21	3626.091	3626.671	3631.267	3627.330	3609.044
22	3564.659	3557.624	3560.742	3558.004	3546.233
23	3505.624	3494.073	3497.631	3492.754	3484.960
24	3449.388	3438.357	3441.134	3429.843	3423.688
25	3396.589	3383.539	3382.540	3368.311	3358.059
26	3338.674	3328.222	3319.768	3302.482	3288.732
27	3273.364	3259.795	3244.926	3225.741	3209.694
28	3190.009	3174.361	3150.739	3125.179	3117.045
29	3081.873	3063.287	3031.432	3000.256	2993.481
30	2941.102	2917.740	2883.227	2847.175	2836.882
31	2764.219	2739.438	2703.046	2667.334	2654.264
32	2556.420	2535.176	2504.160	2472.725	2465.450
33	2323.500	2308.991	2290.306	2269.822	2276.596
34	2081.408	2074.973	2072.834	2069.597	2085.125
35	1846.909	1846.989	1858.940	1873.629	1894.453
36	1633.734	1638.831	1662.592	1687.433	1710.155
37	1446.999	1456.412	1486.329	1516.186	1538.348
38	1294.577	1306.988	1337.824	1366.901	1385.527
39	1180.506	1193.915	1221.034	1244.716	1259.844
40	1098.569	1109.700	1130.884	1147.571	1160.181
41	1041.074	1049.407	1064.056	1074.228	1083.361
42	1000.665	1004.722	1014.254	1019.990	1024.626
43	968.490	969.949	975.924	978.302	978.382
44	939.772	940.132	943.489	943.429	941.211
45	913.173	912.693	914.292	912.753	910.195
46	886.134	885.494	886.433	884.095	881.077
47	858.255	857.616	857.676	855.477	852.440
48	829.737	828.938	828.578	826.260	823.242
49	800.220	799.061	799.281	796.503	793.625
50	769.524	768.625	768.705	766.127	763.289
51	738.468	737.908	737.808	735.270	732.812
52	707.072	706.733	706.693	704.334	701.816

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

53	676.196	675.637	675.617	673.458	670.840
54	645.380	644.701	644.401	641.963	639.285
55	614.084	612.925	612.785	609.888	607.390
56	580.430	579.671	579.451	576.533	574.075
57	547.076	545.897	545.497	542.580	540.162
58	513.882	512.603	512.063	509.206	507.287
59	480.808	479.608	479.009	476.171	474.353
60	448.692	447.413	446.914	444.116	442.357
61	417.257	415.958	415.758	412.980	411.521
62	387.000	385.681	385.381	382.943	381.544
63	357.383	356.304	355.984	353.846	352.527
64	328.585	327.786	327.566	325.648	324.549
65	301.347	300.607	300.547	298.829	298.149
66	274.687	274.347	274.367	272.709	272.089
67	249.627	249.327	249.107	247.768	247.348
68	225.585	225.226	225.186	224.046	223.787
69	202.383	202.143	202.163	201.204	201.244
70	180.620	180.500	180.340	179.641	179.701
71	159.976	159.956	159.696	159.277	159.357
72	140.671	140.691	140.571	140.111	140.491
73	122.565	122.545	122.505	122.145	122.485
74	105.798	105.718	105.798	105.578	105.858
75	90.250	90.230	90.310	90.190	90.370
76	75.801	75.761	75.901	75.801	76.001
77	62.592	62.572	62.851	62.691	62.911
78	50.541	50.501	50.841	50.781	51.000
79	39.789	39.749	40.069	40.209	40.289
80	30.257	30.297	30.636	30.776	30.836
81	21.943	22.023	22.283	22.523	22.583
82	14.469	14.589	14.888	15.108	15.268
83	9.912	10.012	10.512	10.792	10.912
84	9.193	9.193	9.213	9.233	9.153
85	8.513	8.513	8.513	8.513	8.433
86	7.634	7.634	7.614	7.594	7.534
87	6.415	6.435	6.415	6.415	6.335
88	4.896	4.876	4.856	4.856	4.796
89	2.978	2.978	2.958	2.978	2.918
90	1.199	1.299	1.539	1.659	1.659
91	1.079	1.099	1.099	1.119	1.079
92	1.159	1.159	1.159	1.159	1.139
93	1.219	1.219	1.239	1.219	1.199
94	1.299	1.299	1.299	1.299	1.299
95	1.379	1.379	1.399	1.399	1.379
96	1.459	1.479	1.479	1.479	1.459
97	1.559	1.559	1.579	1.579	1.559
98	1.679	1.659	1.659	1.679	1.679
99	1.819	1.779	1.779	1.799	1.759
100	1.859	1.879	1.879	1.899	1.859
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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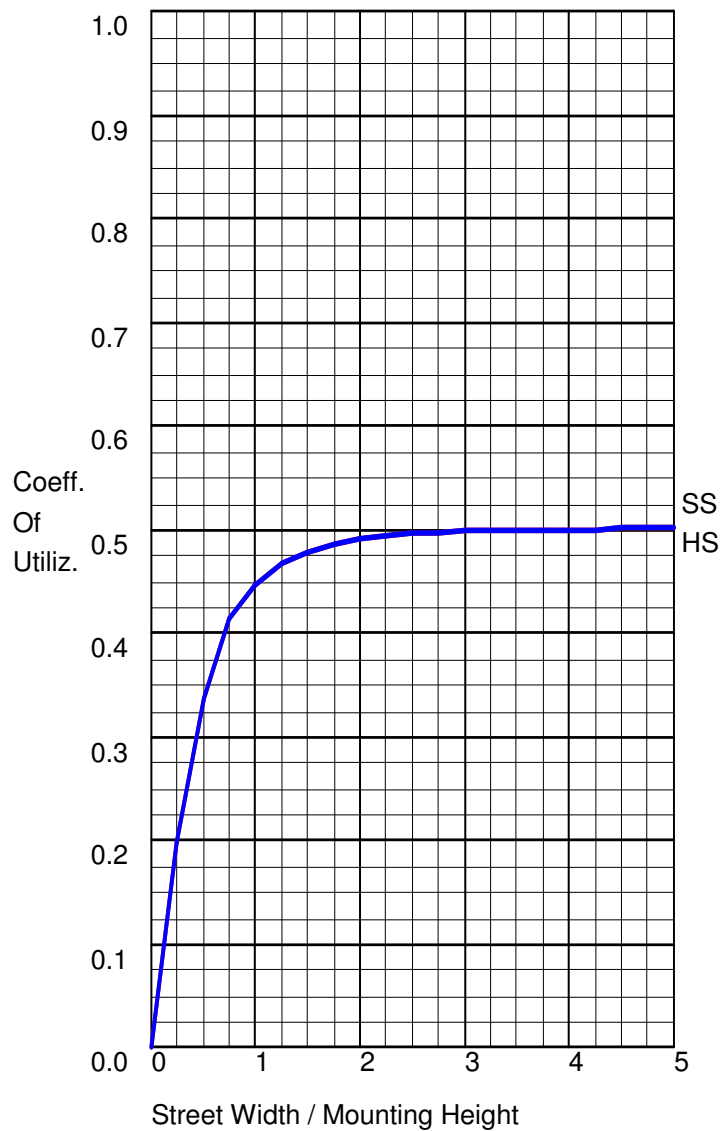
CANDELA TABULATION - (Cont.)

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-L60-935-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

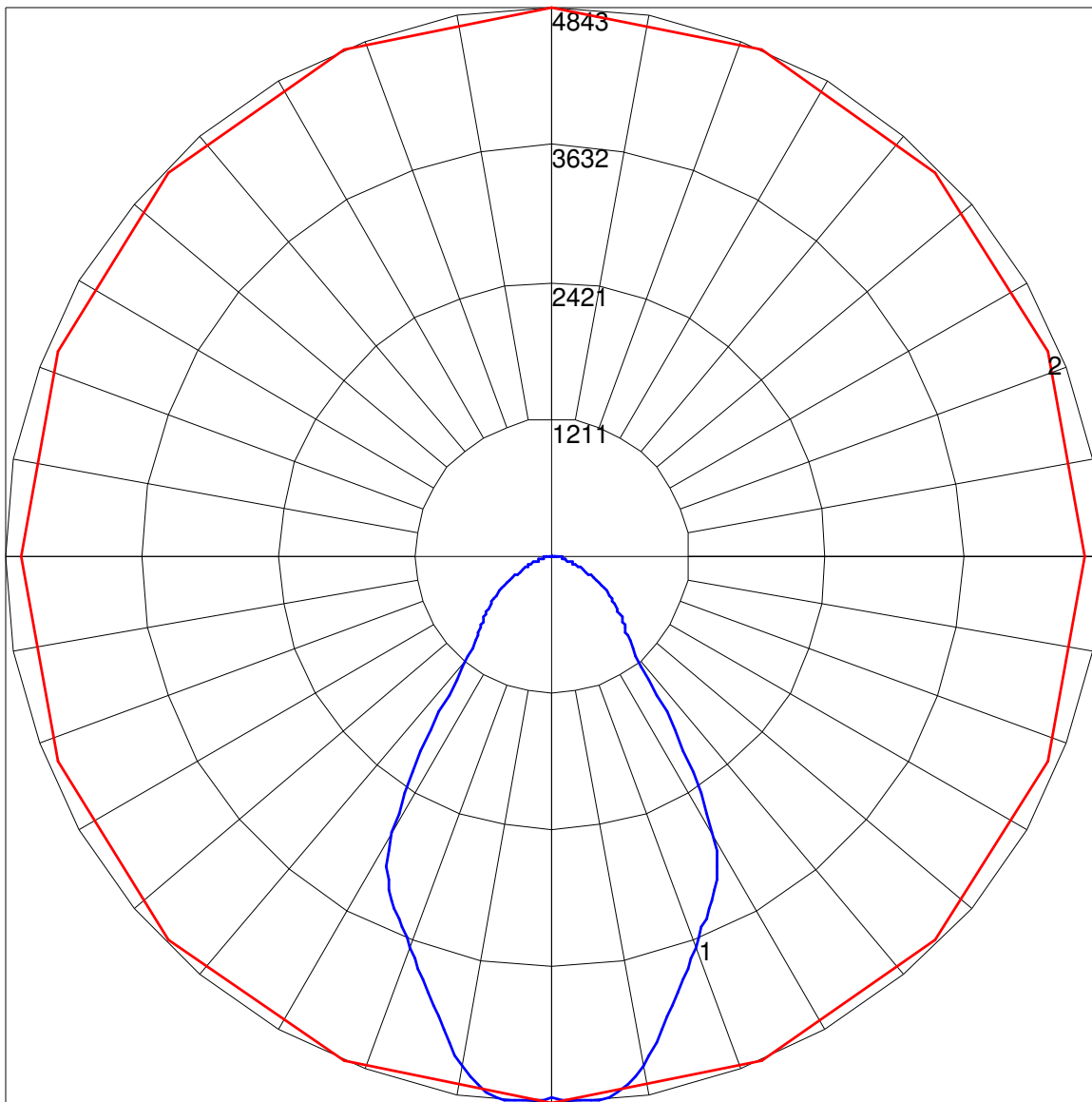
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

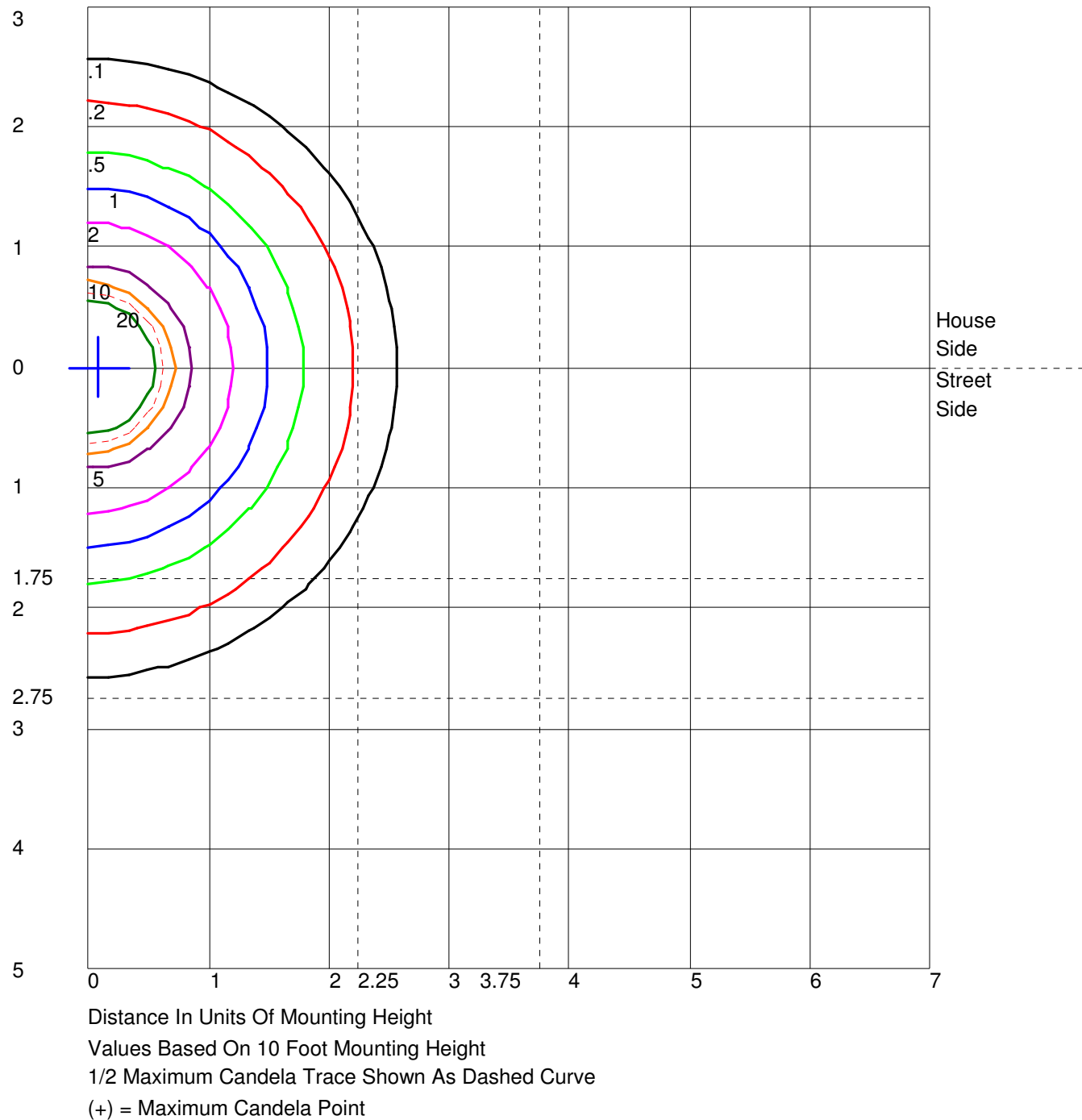
	Lumens	Percent Of Luminaire
Downward Street Side	2994.5	50.0
Downward House Side	2994.5	50.0
Downward Total	5989.0	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	5990.6	100.0

POLAR GRAPH

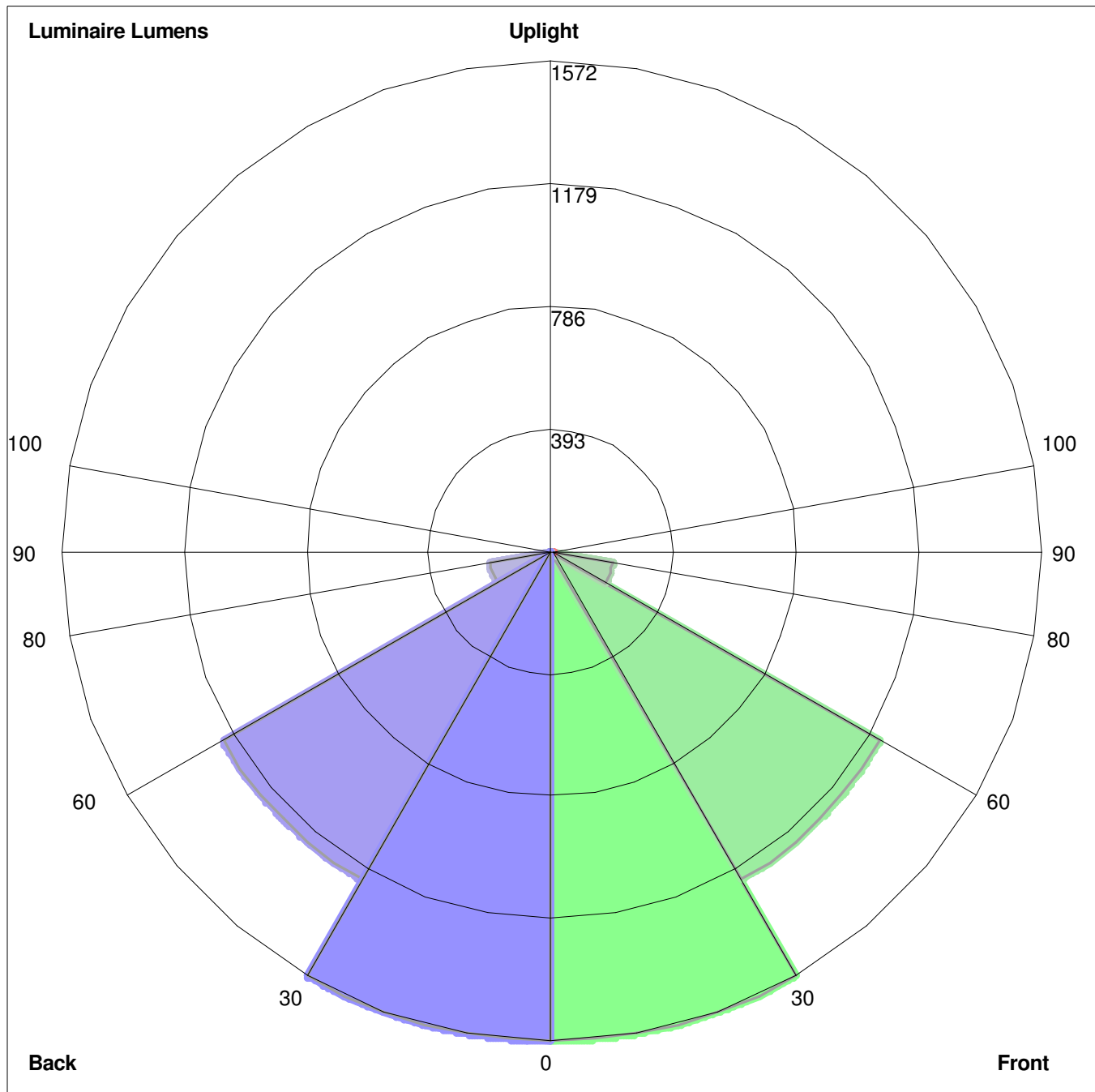


Maximum Candela = 4842.649 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low= 1572.0, Medium=1216.6, High=200.3, Very High=5.6  
Back: Low= 1572.0, Medium=1216.6, High=200.3, Very High=5.6  
Uplight: Low=1.6, High=0.1

BUG Rating : B3-U1-G0