

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L60-930-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-L60-930-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	5928
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	53.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4792.205
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4792.205
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.641 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	30.515 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-930-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1555.6	N.A.	26.2
FM - Front-Medium (30-60)	1203.9	N.A.	20.3
FH - Front-High (60-80)	198.2	N.A.	3.3
FVH - Front-Very High (80-90)	5.6	N.A.	0.1
BL - Back-Low (0-30)	1555.6	N.A.	26.2
BM - Back-Medium (30-60)	1203.9	N.A.	20.3
BH - Back-High (60-80)	198.2	N.A.	3.3
BVH - Back-Very High (80-90)	5.6	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	5928.2	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	4750.556	4750.556	4750.556	4750.556	4750.556
1	4755.085	4756.074	4762.343	4761.928	4759.713
2	4741.657	4747.115	4761.057	4767.109	4764.558
3	4721.169	4731.591	4761.868	4777.828	4777.215
4	4694.273	4712.922	4761.334	4790.900	4790.801
5	4658.141	4688.379	4753.720	4791.869	4792.205
6	4618.687	4655.452	4733.825	4777.037	4775.969
7	4571.442	4614.416	4697.674	4742.349	4739.007
8	4519.608	4563.887	4647.976	4692.730	4684.246
9	4460.259	4505.389	4586.709	4629.268	4619.320
10	4396.026	4441.650	4515.040	4554.909	4546.385
11	4329.518	4370.415	4431.979	4468.605	4462.217
12	4259.964	4293.307	4345.833	4375.063	4366.163
13	4190.312	4212.481	4257.591	4282.193	4264.374
14	4114.331	4132.051	4168.321	4185.902	4163.179
15	4036.274	4051.126	4079.169	4090.936	4069.241
16	3955.725	3968.026	3991.026	3997.493	3979.338
17	3873.297	3887.694	3906.324	3903.535	3892.381
18	3798.009	3808.945	3825.972	3817.014	3809.934
19	3723.907	3730.611	3744.355	3733.281	3726.557
20	3654.709	3659.376	3667.109	3660.246	3644.781
21	3588.320	3588.893	3593.442	3589.546	3571.451
22	3527.527	3520.566	3523.651	3520.942	3509.294
23	3469.108	3457.677	3461.197	3456.372	3448.659
24	3413.457	3402.541	3405.290	3394.116	3388.025
25	3361.208	3348.294	3347.305	3333.225	3323.079
26	3303.896	3293.553	3285.188	3268.081	3254.475
27	3239.267	3225.839	3211.126	3192.140	3176.260
28	3156.780	3141.295	3117.920	3092.626	3084.577
29	3049.770	3031.378	2999.855	2969.004	2962.300
30	2910.466	2887.347	2853.193	2817.517	2807.332
31	2735.425	2710.903	2674.890	2639.549	2626.616
32	2529.791	2508.768	2478.076	2446.967	2439.769
33	2299.297	2284.940	2266.449	2246.178	2252.882
34	2059.727	2053.359	2051.243	2048.039	2063.405
35	1827.671	1827.750	1839.576	1854.112	1874.719
36	1616.717	1621.760	1645.274	1669.856	1692.341
37	1431.926	1441.241	1470.846	1500.392	1522.324
38	1281.092	1293.373	1323.888	1352.663	1371.094
39	1168.209	1181.479	1208.315	1231.750	1246.721
40	1087.126	1098.141	1119.104	1135.617	1148.096
41	1030.229	1038.476	1052.972	1063.038	1072.076
42	990.241	994.256	1003.689	1009.365	1013.953
43	958.401	959.845	965.758	968.112	968.191
44	929.983	930.339	933.661	933.602	931.407
45	903.661	903.186	904.768	903.245	900.714
46	876.903	876.270	877.200	874.886	871.900
47	849.315	848.682	848.742	846.566	843.560
48	821.094	820.303	819.947	817.653	814.667
49	791.885	790.738	790.955	788.206	785.358
50	761.508	760.618	760.697	758.146	755.338
51	730.776	730.222	730.123	727.611	725.179
52	699.707	699.371	699.331	696.998	694.506

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L60-930-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	669.153	668.599	668.579	666.443	663.853
54	638.657	637.985	637.688	635.276	632.626
55	607.688	606.541	606.402	603.535	601.063
56	574.384	573.633	573.415	570.528	568.095
57	541.378	540.211	539.815	536.928	534.535
58	508.529	507.263	506.729	503.901	502.003
59	475.799	474.613	474.019	471.211	469.411
60	444.019	442.753	442.259	439.490	437.750
61	412.910	411.625	411.427	408.678	407.235
62	382.969	381.664	381.367	378.954	377.570
63	353.660	352.593	352.276	350.160	348.855
64	325.163	324.372	324.154	322.256	321.168
65	298.208	297.476	297.417	295.716	295.043
66	271.826	271.490	271.510	269.868	269.255
67	247.026	246.730	246.512	245.187	244.772
68	223.235	222.879	222.840	221.713	221.456
69	200.275	200.038	200.058	199.108	199.148
70	178.739	178.620	178.462	177.770	177.829
71	158.310	158.290	158.033	157.618	157.697
72	139.206	139.226	139.107	138.652	139.028
73	121.288	121.269	121.229	120.873	121.209
74	104.696	104.617	104.696	104.478	104.755
75	89.310	89.290	89.369	89.251	89.429
76	75.012	74.972	75.111	75.012	75.209
77	61.940	61.920	62.197	62.038	62.256
78	50.014	49.975	50.311	50.252	50.469
79	39.375	39.335	39.652	39.790	39.869
80	29.941	29.981	30.317	30.456	30.515
81	21.714	21.794	22.051	22.288	22.347
82	14.318	14.437	14.733	14.951	15.109
83	9.809	9.908	10.402	10.679	10.798
84	9.097	9.097	9.117	9.137	9.058
85	8.425	8.425	8.425	8.425	8.346
86	7.555	7.555	7.535	7.515	7.456
87	6.348	6.368	6.348	6.348	6.269
88	4.845	4.825	4.806	4.806	4.746
89	2.947	2.947	2.927	2.947	2.887
90	1.187	1.285	1.523	1.641	1.641
91	1.068	1.088	1.088	1.107	1.068
92	1.147	1.147	1.147	1.147	1.127
93	1.206	1.206	1.226	1.206	1.187
94	1.285	1.285	1.285	1.285	1.285
95	1.365	1.365	1.384	1.384	1.365
96	1.444	1.463	1.463	1.463	1.444
97	1.543	1.543	1.562	1.562	1.543
98	1.661	1.641	1.641	1.661	1.661
99	1.800	1.760	1.760	1.780	1.740
100	1.839	1.859	1.859	1.879	1.839
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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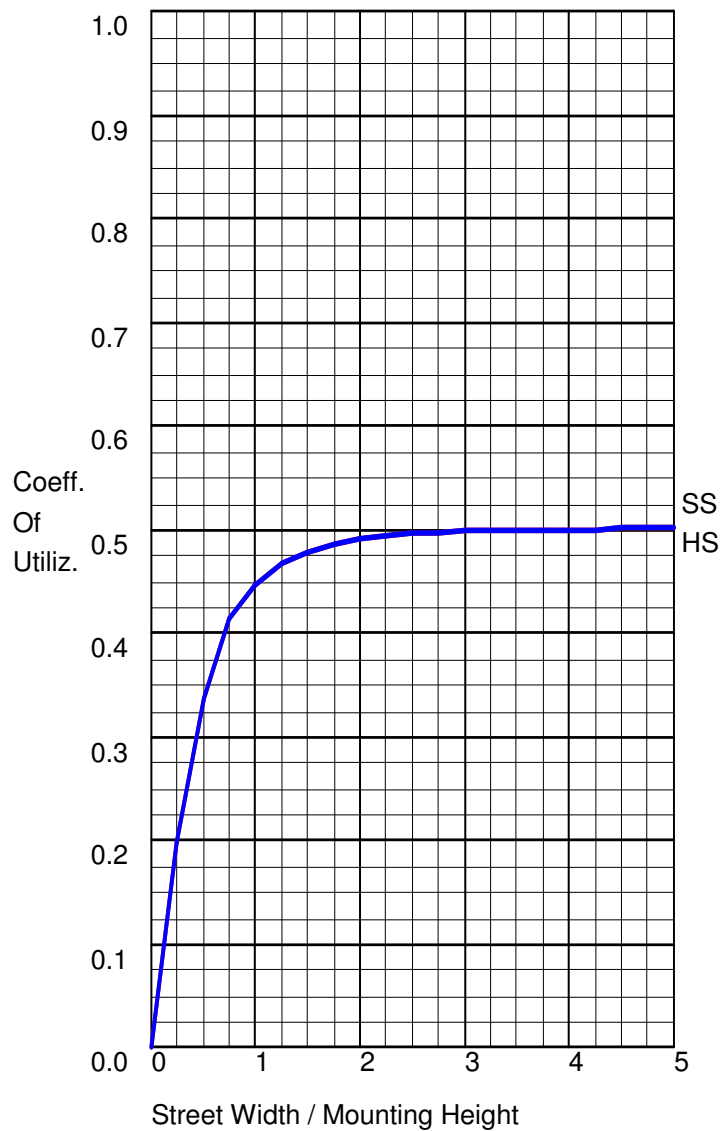
CANDELA TABULATION - (Cont.)

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-L60-930-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

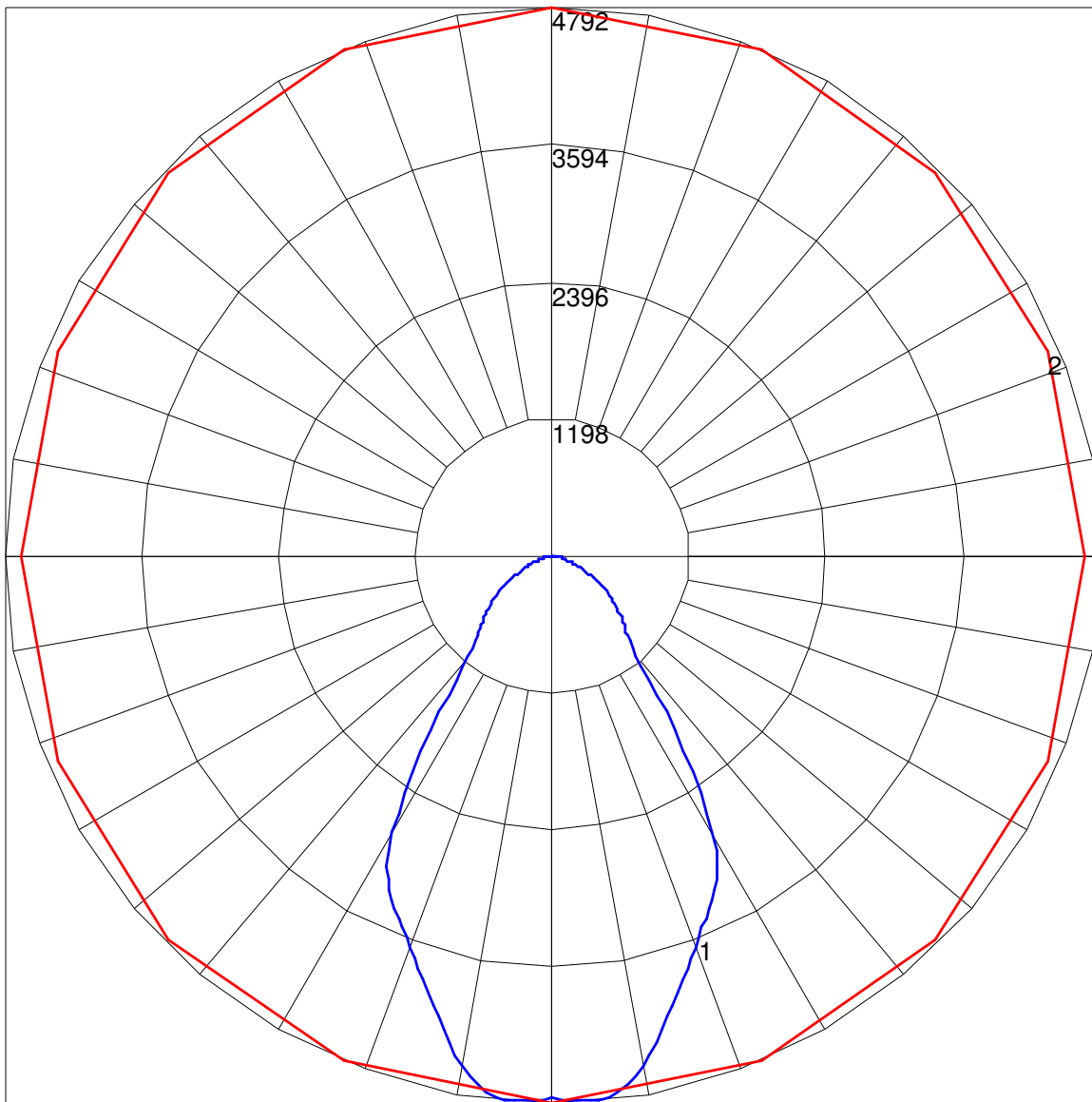
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

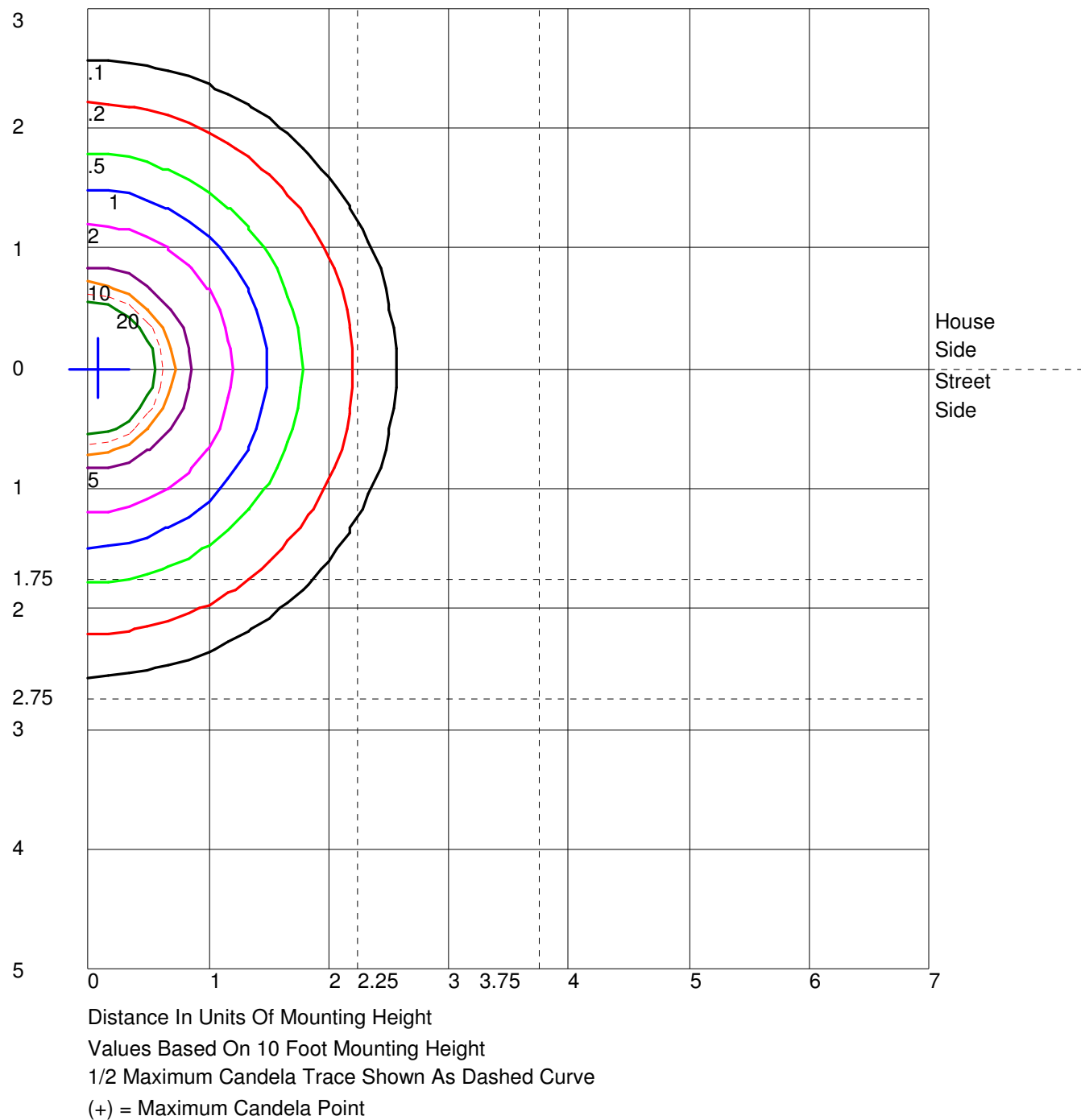
	Lumens	Percent Of Luminaire
Downward Street Side	2963.3	50.0
Downward House Side	2963.3	50.0
Downward Total	5926.6	100.0
Upward Street Side	0.8	0.0
Upward House Side	0.8	0.0
Upward Total	1.6	0.0
Total Flux	5928.2	100.0

POLAR GRAPH

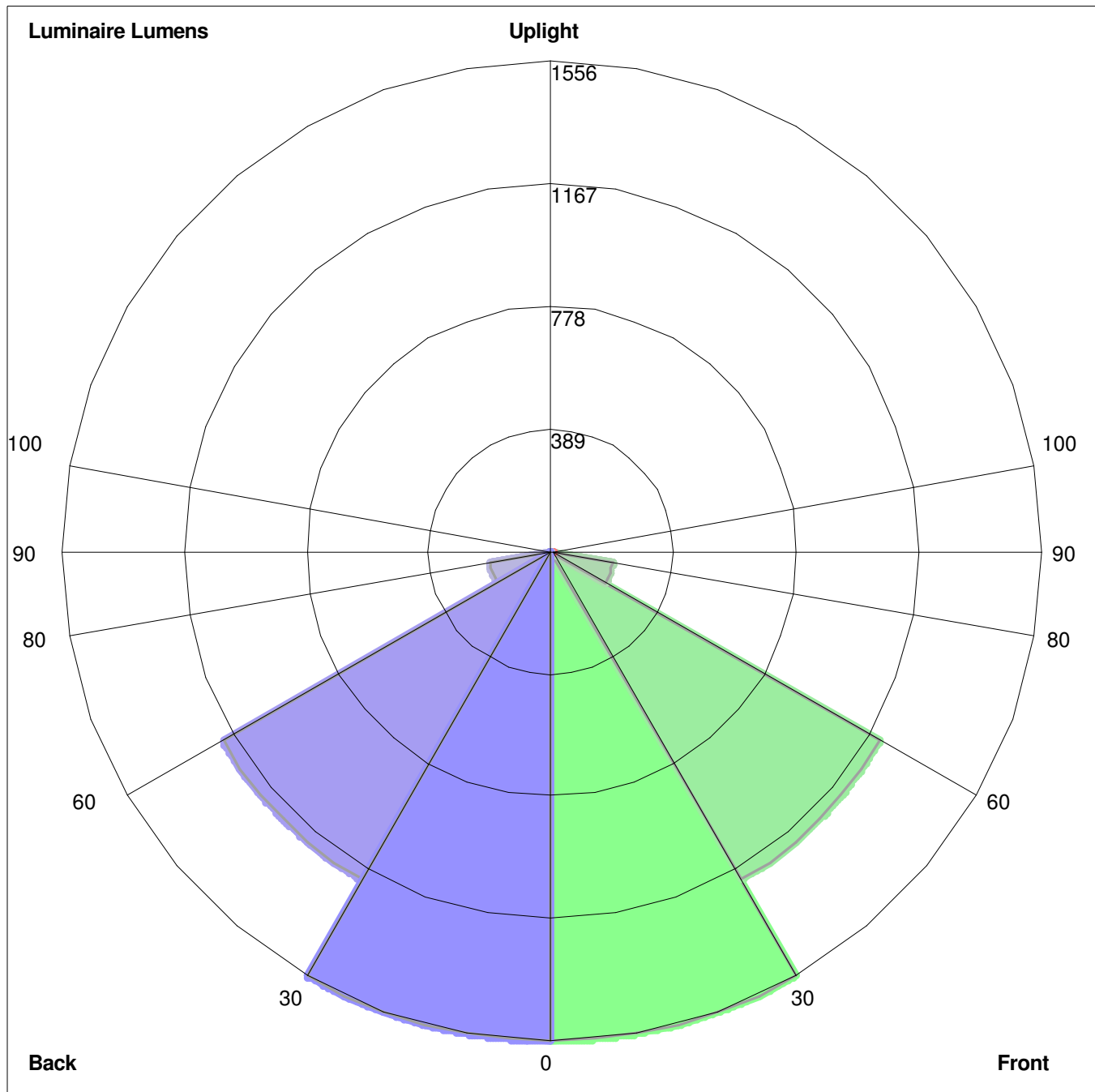


Maximum Candela = 4792.205 Located At Horizontal Angle = 90, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1555.6, Medium=1203.9, High=198.2, Very High=5.6  
Back: Low=1555.6, Medium=1203.9, High=198.2, Very High=5.6  
Uplight: Low=1.5, High=0.1

BUG Rating : B3-U1-G0