

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L70-930-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-L70-930-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	6669
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	63.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5391.136
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	5391.136
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.847 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	34.329 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1750.1	N.A.	26.2
FM - Front-Medium (30-60)	1354.4	N.A.	20.3
FH - Front-High (60-80)	223.0	N.A.	3.3
FVH - Front-Very High (80-90)	6.2	N.A.	0.1
BL - Back-Low (0-30)	1750.1	N.A.	26.2
BM - Back-Medium (30-60)	1354.4	N.A.	20.3
BH - Back-High (60-80)	223.0	N.A.	3.3
BVH - Back-Very High (80-90)	6.2	N.A.	0.1
UL - Uplight-Low (90-100)	1.7	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	6669.2	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	5344.281	5344.281	5344.281	5344.281	5344.281
1	5349.376	5350.489	5357.541	5357.074	5354.582
2	5334.270	5340.410	5356.095	5362.903	5360.033
3	5311.221	5322.946	5357.007	5374.961	5374.272
4	5280.964	5301.943	5356.406	5389.667	5389.556
5	5240.316	5274.334	5347.841	5390.757	5391.136
6	5195.932	5237.291	5325.460	5374.071	5372.870
7	5142.781	5191.126	5284.790	5335.048	5331.289
8	5084.469	5134.282	5228.881	5279.228	5269.684
9	5017.703	5068.473	5159.957	5207.834	5196.644
10	4945.441	4996.768	5079.330	5124.182	5114.593
11	4870.621	4916.630	4985.888	5027.092	5019.905
12	4792.375	4829.885	4888.976	4921.859	4911.847
13	4714.018	4738.958	4789.705	4817.382	4797.336
14	4628.541	4648.475	4689.278	4709.056	4683.493
15	4540.728	4557.436	4588.984	4602.222	4577.815
16	4450.112	4463.950	4489.825	4497.100	4476.676
17	4357.382	4373.579	4394.536	4391.399	4378.852
18	4272.684	4284.987	4304.143	4294.064	4286.100
19	4189.321	4196.863	4212.325	4199.866	4192.302
20	4111.475	4116.726	4125.425	4117.705	4100.307
21	4036.789	4037.434	4042.551	4038.168	4017.811
22	3968.398	3960.567	3964.038	3960.990	3947.886
23	3902.678	3889.818	3893.778	3888.350	3879.673
24	3840.072	3827.791	3830.883	3818.313	3811.461
25	3781.293	3766.765	3765.652	3749.812	3738.398
26	3716.818	3705.182	3695.771	3676.527	3661.220
27	3644.111	3629.005	3612.452	3591.094	3573.229
28	3551.315	3533.895	3507.598	3479.142	3470.087
29	3430.931	3410.240	3374.777	3340.070	3332.528
30	3274.216	3248.208	3209.786	3169.650	3158.193
31	3077.299	3049.711	3009.198	2969.441	2954.891
32	2845.964	2822.315	2787.786	2752.790	2744.691
33	2586.664	2570.512	2549.710	2526.906	2534.448
34	2317.152	2309.988	2307.607	2304.003	2321.290
35	2056.094	2056.183	2069.487	2085.839	2109.022
36	1818.774	1824.447	1850.900	1878.554	1903.850
37	1610.889	1621.368	1654.673	1687.911	1712.584
38	1441.203	1455.019	1489.348	1521.719	1542.454
39	1314.212	1329.140	1359.331	1385.695	1402.536
40	1222.995	1235.387	1258.970	1277.547	1291.585
41	1158.987	1168.265	1184.573	1195.897	1206.064
42	1114.002	1118.518	1129.131	1135.516	1140.677
43	1078.183	1079.807	1086.459	1089.106	1089.195
44	1046.212	1046.613	1050.350	1050.284	1047.814
45	1016.600	1016.066	1017.846	1016.133	1013.285
46	986.499	985.787	986.832	984.229	980.870
47	955.463	954.751	954.817	952.370	948.988
48	923.715	922.825	922.424	919.844	916.484
49	890.854	889.564	889.809	886.716	883.513
50	856.682	855.680	855.769	852.899	849.740
51	822.108	821.485	821.374	818.548	815.812
52	787.157	786.778	786.734	784.109	781.305

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	752.783	752.160	752.138	749.735	746.821
54	718.477	717.721	717.387	714.673	711.691
55	683.637	682.346	682.190	678.964	676.183
56	646.171	645.326	645.081	641.833	639.096
57	609.039	607.726	607.281	604.033	601.341
58	572.085	570.661	570.061	566.879	564.743
59	535.265	533.930	533.262	530.103	528.079
60	499.512	498.088	497.532	494.417	492.460
61	464.516	463.070	462.847	459.755	458.131
62	430.833	429.364	429.030	426.316	424.759
63	397.861	396.660	396.304	393.923	392.455
64	365.802	364.912	364.667	362.531	361.308
65	335.478	334.654	334.588	332.674	331.918
66	305.799	305.421	305.443	303.596	302.907
67	277.900	277.566	277.321	275.831	275.364
68	251.135	250.735	250.690	249.422	249.133
69	225.306	225.039	225.061	223.993	224.037
70	201.077	200.944	200.766	199.987	200.054
71	178.095	178.073	177.784	177.317	177.406
72	156.604	156.626	156.492	155.981	156.403
73	136.447	136.425	136.380	135.980	136.358
74	117.781	117.692	117.781	117.536	117.848
75	100.472	100.450	100.539	100.405	100.605
76	84.387	84.342	84.498	84.387	84.609
77	69.681	69.658	69.970	69.792	70.037
78	56.265	56.221	56.599	56.532	56.777
79	44.296	44.251	44.607	44.763	44.852
80	33.683	33.728	34.106	34.262	34.329
81	24.428	24.517	24.807	25.073	25.140
82	16.108	16.241	16.575	16.819	16.997
83	11.035	11.146	11.702	12.014	12.147
84	10.234	10.234	10.256	10.279	10.190
85	9.478	9.478	9.478	9.478	9.389
86	8.499	8.499	8.476	8.454	8.387
87	7.142	7.164	7.142	7.142	7.053
88	5.451	5.429	5.406	5.406	5.340
89	3.315	3.315	3.293	3.315	3.248
90	1.335	1.446	1.713	1.847	1.847
91	1.201	1.224	1.224	1.246	1.201
92	1.290	1.290	1.290	1.290	1.268
93	1.357	1.357	1.379	1.357	1.335
94	1.446	1.446	1.446	1.446	1.446
95	1.535	1.535	1.557	1.557	1.535
96	1.624	1.646	1.646	1.646	1.624
97	1.735	1.735	1.758	1.758	1.735
98	1.869	1.847	1.847	1.869	1.869
99	2.025	1.980	1.980	2.002	1.958
100	2.069	2.091	2.091	2.114	2.069
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

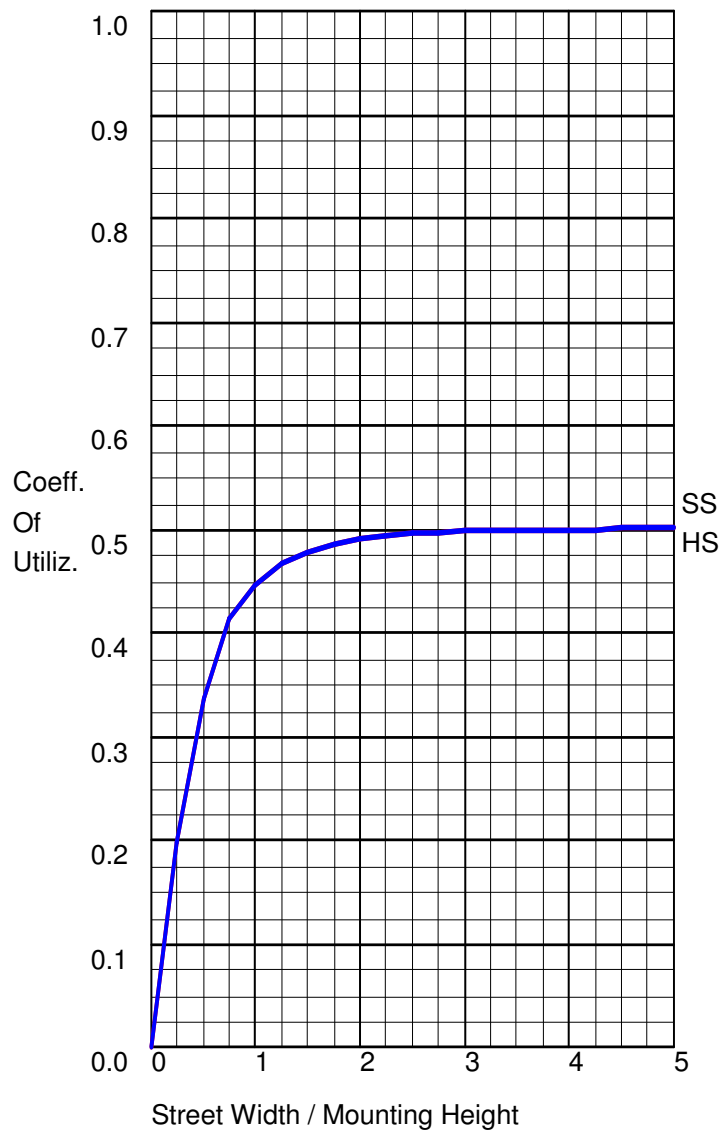
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L70-930-RDB-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L70-930-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

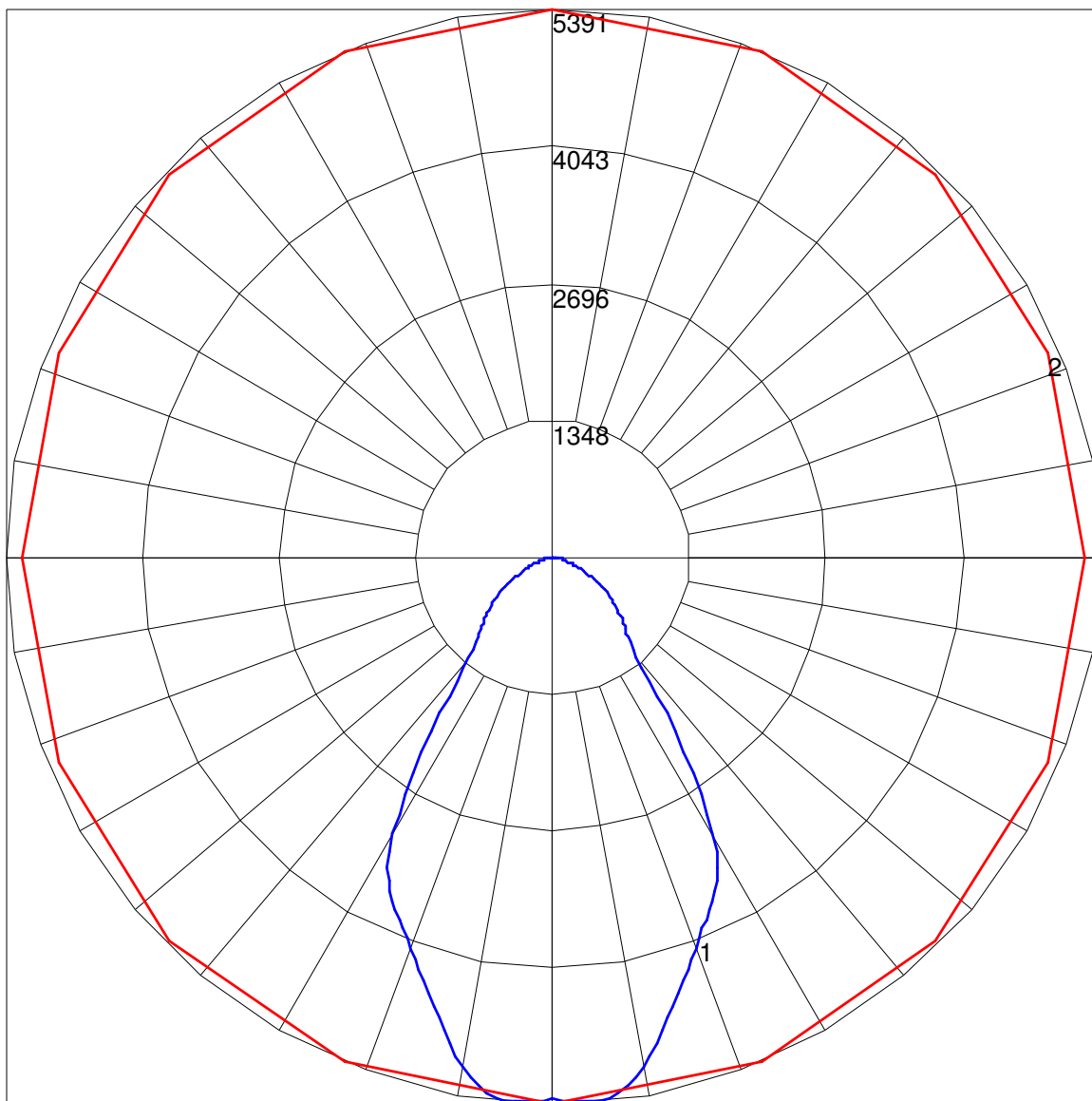
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

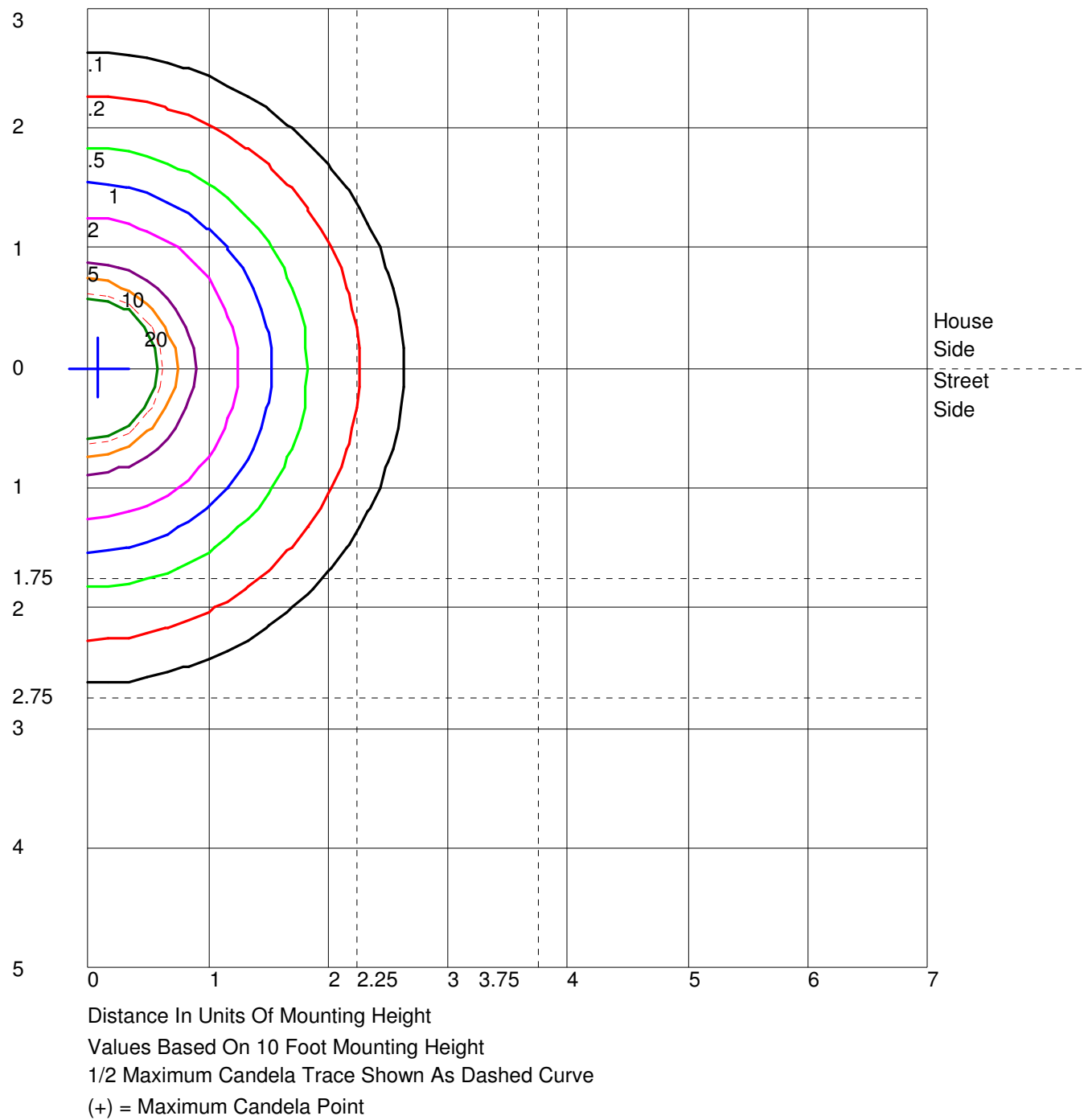
	Lumens	Percent Of Luminaire
Downward Street Side	3333.6	50.0
Downward House Side	3333.6	50.0
Downward Total	6667.2	100.0
Upward Street Side	0.9	0.0
Upward House Side	0.9	0.0
Upward Total	1.8	0.0
Total Flux	6669.0	100.0

POLAR GRAPH

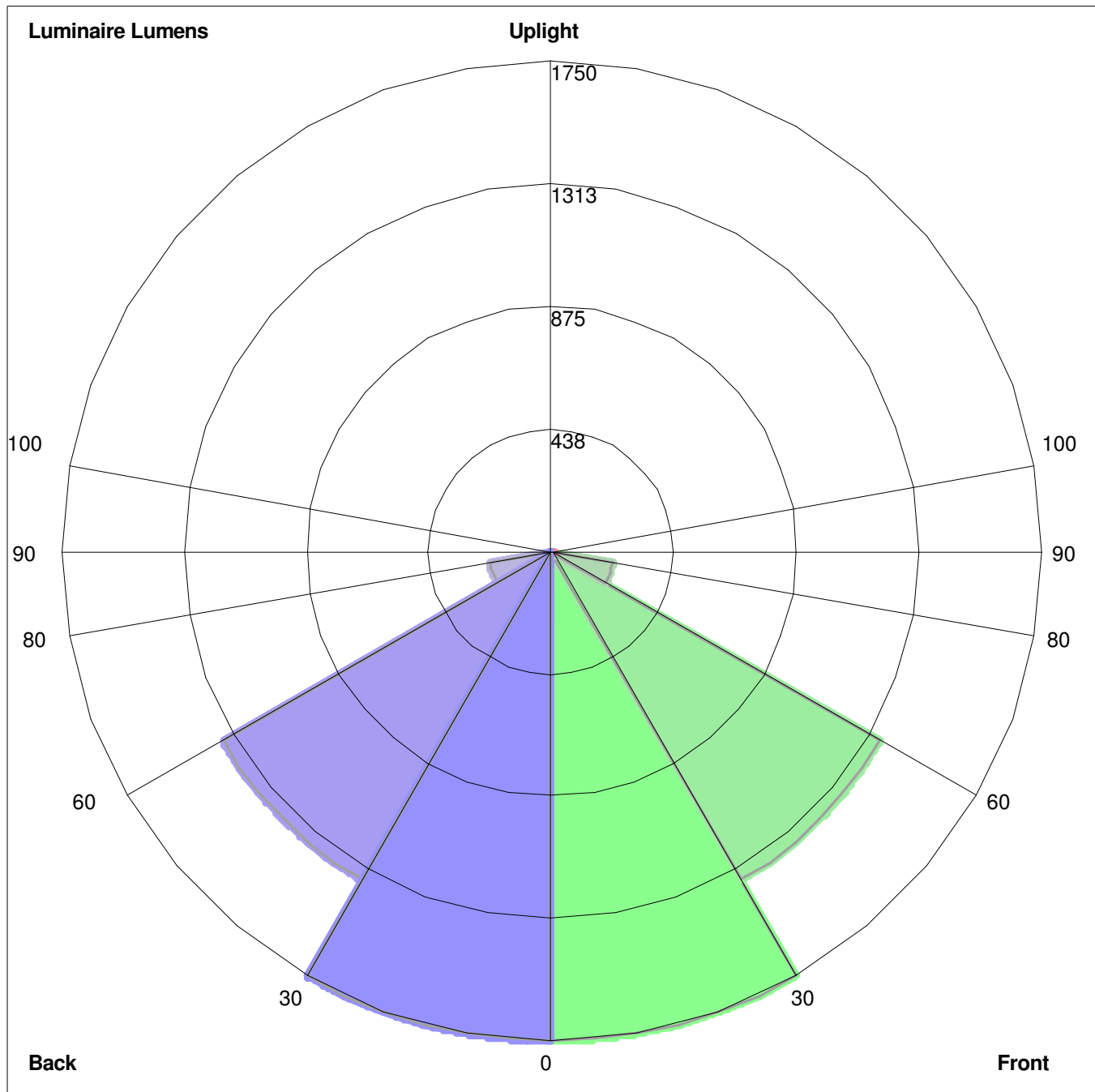


Maximum Candela = 5391.136 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=1750.1, Medium=1354.4, High=223.0, Very High=6.2
Back: Low=1750.1, Medium=1354.4, High=223.0, Very High=6.2
Uplight: Low=1.7, High=0.1

BUG Rating : B3-U1-G0