

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L50-935-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-L50-935-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	4965
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	45
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4013.944
Maximum Candela Angle	90H 5V
Maximum Candela (<90 Degrees Vertical)	4013.944
Maximum Candela Angle (<90 Degrees Vertical)	90H 5V
Maximum Candela At 90 Degrees Vertical	1.375 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	25.559 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-935-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1303.0	N.A.	26.2
FM - Front-Medium (30-60)	1008.4	N.A.	20.3
FH - Front-High (60-80)	166.0	N.A.	3.3
FVH - Front-Very High (80-90)	4.6	N.A.	0.1
BL - Back-Low (0-30)	1303.0	N.A.	26.2
BM - Back-Medium (30-60)	1008.4	N.A.	20.3
BH - Back-High (60-80)	166.0	N.A.	3.3
BVH - Back-Very High (80-90)	4.6	N.A.	0.1
UL - Uplight-Low (90-100)	1.3	N.A.	0.0
UH - Uplight-High (100-180)	0.1	N.A.	0.0
Total	4965.4	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	3979.058	3979.058	3979.058	3979.058	3979.058
1	3982.852	3983.680	3988.931	3988.583	3986.728
2	3971.604	3976.176	3987.854	3992.923	3990.786
3	3954.443	3963.173	3988.533	4001.901	4001.388
4	3931.915	3947.536	3988.086	4012.850	4012.767
5	3901.652	3926.979	3981.709	4013.662	4013.944
6	3868.605	3899.399	3965.045	4001.238	4000.344
7	3829.032	3865.027	3934.765	3972.184	3969.385
8	3785.617	3822.705	3893.138	3930.623	3923.517
9	3735.906	3773.707	3841.820	3877.467	3869.135
10	3682.104	3720.319	3781.790	3815.184	3808.045
11	3626.397	3660.653	3712.219	3742.896	3737.546
12	3568.139	3596.067	3640.063	3664.546	3657.091
13	3509.799	3528.368	3566.152	3586.758	3571.833
14	3446.157	3460.999	3491.379	3506.105	3487.072
15	3380.777	3393.217	3416.705	3426.561	3408.390
16	3313.309	3323.612	3342.877	3348.293	3333.087
17	3244.268	3256.327	3271.930	3269.595	3260.252
18	3181.206	3190.366	3204.628	3197.125	3191.194
19	3119.138	3124.754	3136.266	3126.990	3121.358
20	3061.179	3065.088	3071.565	3065.817	3052.863
21	3005.571	3006.051	3009.861	3006.598	2991.441
22	2954.651	2948.821	2951.405	2949.135	2939.379
23	2905.719	2896.145	2899.094	2895.052	2888.592
24	2859.107	2849.963	2852.265	2842.906	2837.804
25	2815.343	2804.526	2803.698	2791.904	2783.406
26	2767.338	2758.675	2751.668	2737.340	2725.943
27	2713.205	2701.958	2689.634	2673.732	2660.430
28	2644.114	2631.144	2611.565	2590.378	2583.637
29	2554.483	2539.078	2512.674	2486.833	2481.217
30	2437.801	2418.437	2389.830	2359.948	2351.417
31	2291.188	2270.648	2240.483	2210.882	2200.049
32	2118.949	2101.341	2075.632	2049.576	2043.546
33	1925.888	1913.862	1898.374	1881.395	1887.011
34	1725.224	1719.890	1718.118	1715.434	1728.305
35	1530.854	1530.921	1540.826	1553.001	1570.262
36	1354.159	1358.383	1378.079	1398.668	1417.502
37	1199.379	1207.181	1231.979	1256.726	1275.096
38	1073.041	1083.327	1108.887	1132.988	1148.426
39	978.490	989.605	1012.083	1031.712	1044.251
40	910.575	919.801	937.360	951.191	961.644
41	862.918	869.826	881.968	890.399	897.969
42	829.425	832.787	840.689	845.443	849.286
43	802.756	803.965	808.918	810.889	810.955
44	778.952	779.250	782.033	781.984	780.145
45	756.905	756.507	757.832	756.557	754.437
46	734.493	733.963	734.741	732.803	730.302
47	711.385	710.855	710.905	709.083	706.565
48	687.747	687.085	686.787	684.865	682.364
49	663.281	662.321	662.503	660.200	657.815
50	637.838	637.093	637.159	635.022	632.670
51	612.097	611.633	611.550	609.446	607.409
52	586.074	585.792	585.759	583.804	581.717

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L50-935-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	560.481	560.017	560.001	558.212	556.042
54	534.938	534.375	534.127	532.106	529.886
55	508.998	508.038	507.922	505.520	503.449
56	481.103	480.474	480.292	477.873	475.836
57	453.457	452.480	452.148	449.730	447.726
58	425.943	424.883	424.436	422.067	420.477
59	398.529	397.535	397.038	394.686	393.178
60	371.909	370.849	370.435	368.116	366.658
61	345.853	344.776	344.611	342.308	341.099
62	320.774	319.681	319.433	317.412	316.252
63	296.225	295.331	295.066	293.294	292.200
64	272.356	271.693	271.511	269.921	269.010
65	249.778	249.165	249.116	247.691	247.128
66	227.681	227.399	227.416	226.041	225.528
67	206.909	206.660	206.478	205.368	205.021
68	186.982	186.683	186.650	185.706	185.491
69	167.750	167.551	167.568	166.773	166.806
70	149.711	149.612	149.479	148.900	148.949
71	132.600	132.583	132.368	132.020	132.086
72	116.598	116.615	116.516	116.135	116.449
73	101.591	101.574	101.541	101.243	101.525
74	87.693	87.627	87.693	87.511	87.743
75	74.806	74.789	74.856	74.756	74.905
76	62.830	62.797	62.913	62.830	62.995
77	51.880	51.864	52.096	51.963	52.145
78	41.892	41.859	42.140	42.091	42.273
79	32.980	32.947	33.212	33.328	33.394
80	25.079	25.112	25.394	25.510	25.559
81	18.188	18.254	18.470	18.668	18.718
82	11.993	12.092	12.341	12.523	12.655
83	8.216	8.299	8.713	8.945	9.044
84	7.620	7.620	7.636	7.653	7.587
85	7.057	7.057	7.057	7.057	6.990
86	6.328	6.328	6.311	6.295	6.245
87	5.317	5.334	5.317	5.317	5.251
88	4.058	4.042	4.025	4.025	3.976
89	2.468	2.468	2.452	2.468	2.418
90	0.994	1.077	1.275	1.375	1.375
91	0.894	0.911	0.911	0.928	0.894
92	0.961	0.961	0.961	0.961	0.944
93	1.010	1.010	1.027	1.010	0.994
94	1.077	1.077	1.077	1.077	1.077
95	1.143	1.143	1.160	1.160	1.143
96	1.209	1.226	1.226	1.226	1.209
97	1.292	1.292	1.309	1.309	1.292
98	1.391	1.375	1.375	1.391	1.391
99	1.507	1.474	1.474	1.491	1.458
100	1.541	1.557	1.557	1.574	1.541
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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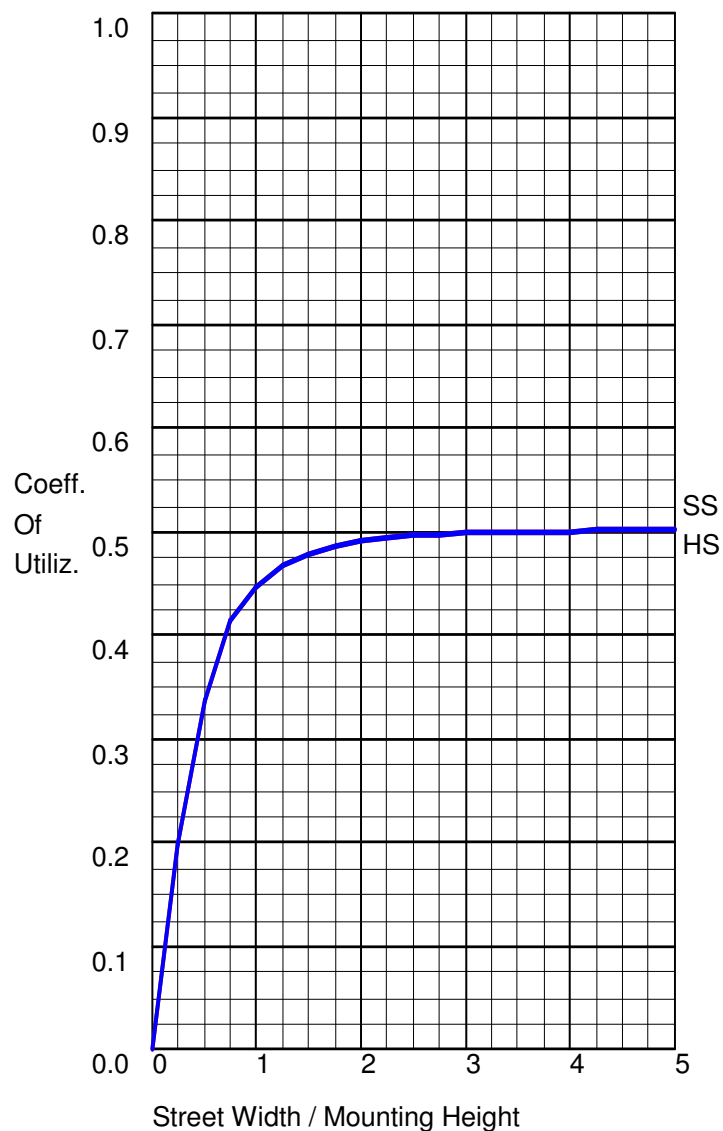
CANDELA TABULATION - (Cont.)

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-L50-935-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

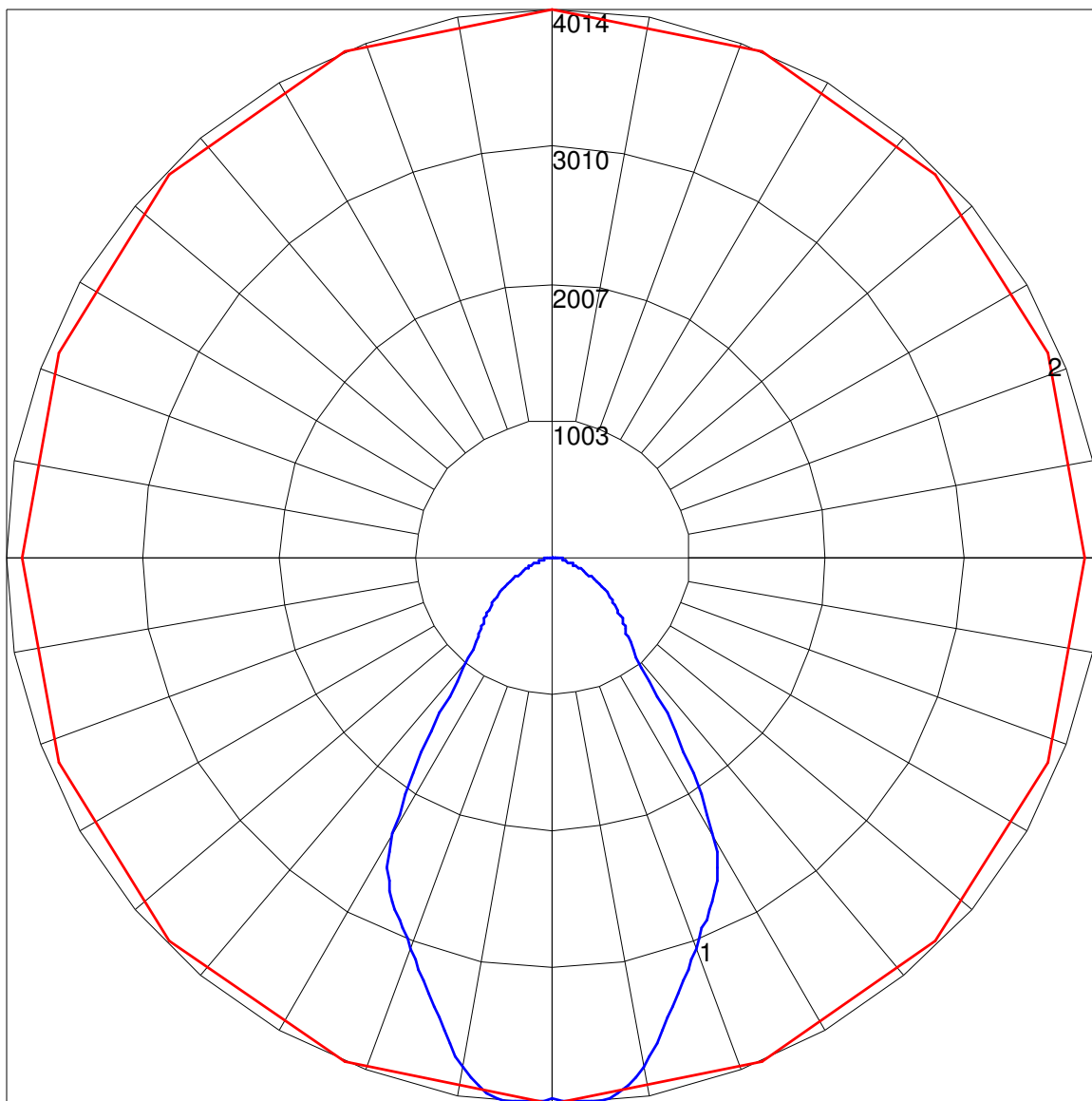
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

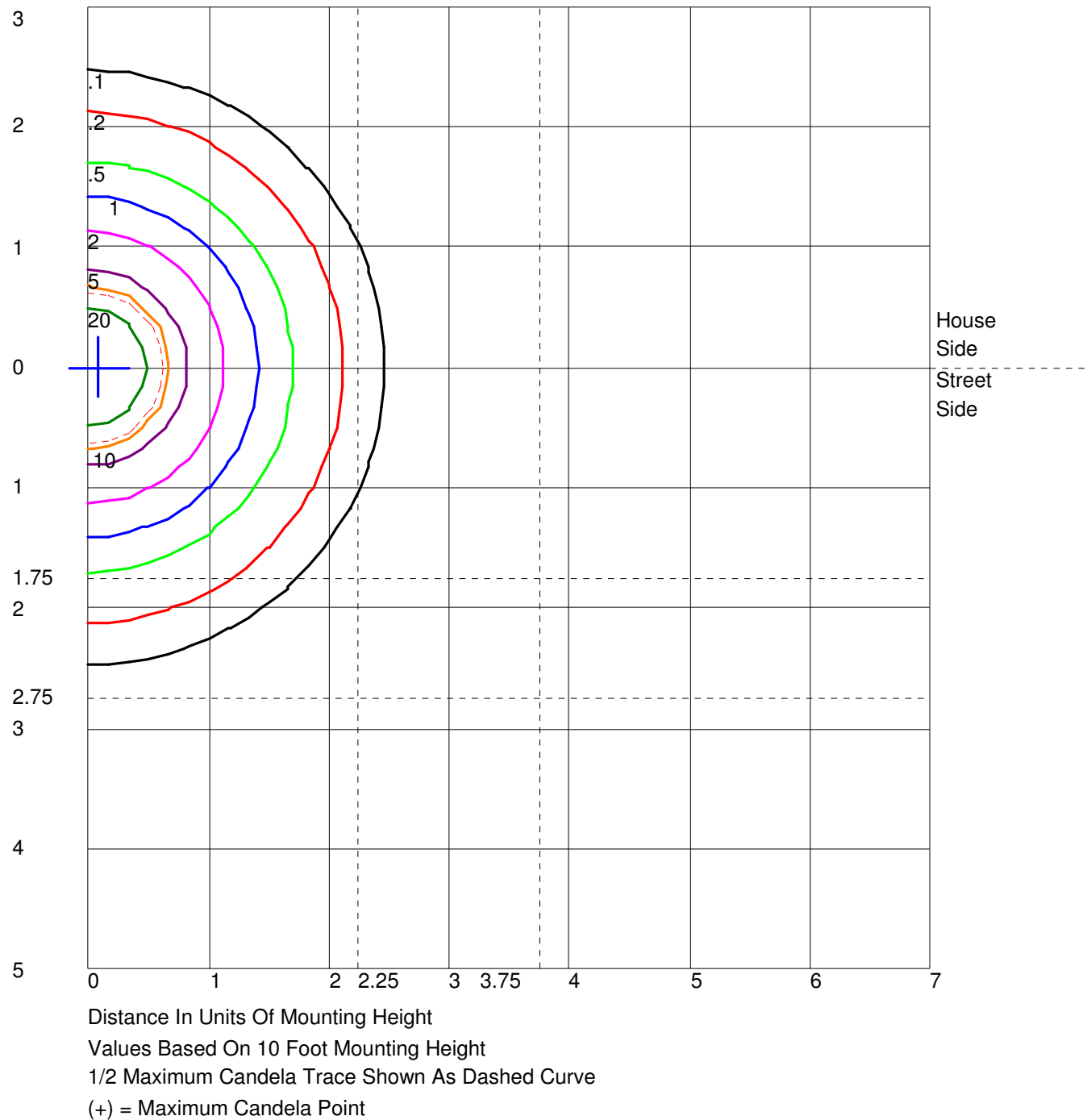
	Lumens	Percent Of Luminaire
Downward Street Side	2482.0	50.0
Downward House Side	2482.0	50.0
Downward Total	4964.0	100.0
Upward Street Side	0.7	0.0
Upward House Side	0.7	0.0
Upward Total	1.4	0.0
Total Flux	4965.4	100.0

POLAR GRAPH

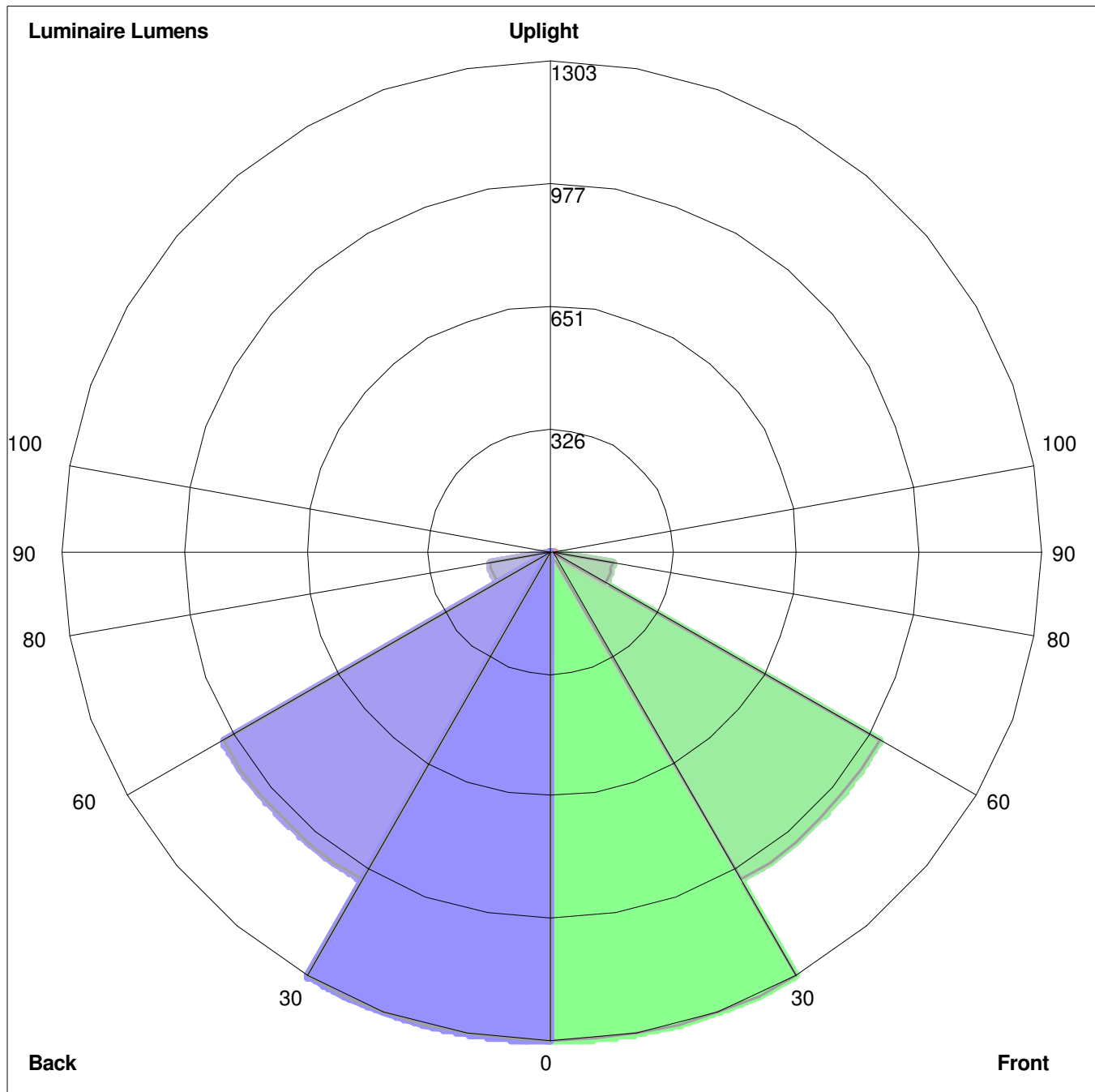


Maximum Candela = 4013.944 Located At Horizontal Angle = 90, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1303.0, Medium=1008.4, High=166.0, Very High=4.6
Back: Low= 1303.0, Medium=1008.4, High=166.0, Very High=4.6
Uplight: Low=1.3, High=0.1

BUG Rating : B3-U1-G0