

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-WIDE DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CR-xx-L10-827-xxx-DIM-UNV-W-xxx_
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] WIDE DIST. W/MICROPRISM LENS
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1040
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	9.8
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	1310.469
Maximum Candela Angle	90H 2V
Maximum Candela (<90 Degrees Vertical)	1310.469
Maximum Candela Angle (<90 Degrees Vertical)	90H 2V
Maximum Candela At 90 Degrees Vertical	.163 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.742 (0.1% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	402.4	N.A.	38.7
FM - Front-Medium (30-60)	112.3	N.A.	10.8
FH - Front-High (60-80)	4.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	402.4	N.A.	38.7
BM - Back-Medium (30-60)	112.3	N.A.	10.8
BH - Back-High (60-80)	4.8	N.A.	0.5
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1039.8	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.IES****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	1308.293	1308.293	1308.293	1308.293	1308.293
1	1306.202	1306.140	1306.346	1307.916	1309.408
2	1307.337	1306.949	1305.651	1308.200	1310.469
3	1306.109	1304.470	1305.674	1304.866	1307.671
4	1304.159	1302.841	1302.278	1303.790	1306.439
5	1302.398	1301.870	1300.693	1301.757	1303.343
6	1298.711	1299.399	1296.286	1298.676	1297.347
7	1293.512	1295.665	1293.225	1293.201	1291.733
8	1288.644	1288.201	1287.183	1287.373	1287.703
9	1282.403	1280.911	1279.699	1280.344	1279.854
10	1270.595	1270.972	1270.203	1269.441	1268.979
11	1256.055	1257.178	1255.628	1256.253	1254.695
12	1239.079	1237.956	1237.494	1239.374	1238.636
13	1216.962	1216.605	1217.635	1219.752	1219.624
14	1194.442	1192.577	1193.198	1194.065	1196.489
15	1166.372	1165.409	1163.897	1167.359	1166.054
16	1136.403	1133.590	1132.377	1134.864	1136.589
17	1103.107	1099.874	1100.084	1099.937	1103.826
18	1066.727	1065.060	1065.343	1063.132	1067.364
19	1028.357	1026.950	1026.795	1027.140	1029.557
20	989.384	989.225	988.219	988.743	991.995
21	951.729	950.070	949.635	950.948	952.021
22	910.596	912.287	911.203	912.294	913.596
23	872.786	872.176	872.118	873.027	876.124
24	833.242	832.496	833.343	835.236	836.328
25	793.310	793.066	793.796	796.186	796.578
26	752.356	752.554	754.311	756.254	756.055
27	707.319	708.465	712.428	714.181	712.424
28	660.766	661.014	666.512	668.323	665.654
29	610.564	612.009	616.859	618.067	616.280
30	557.398	558.571	563.789	564.990	562.565
31	499.965	502.689	506.046	508.350	507.421
32	442.524	445.575	447.747	450.381	449.616
33	384.454	386.320	389.428	391.957	391.926
34	326.381	329.691	331.848	335.481	336.689
35	272.282	275.868	276.972	280.535	282.598
36	223.607	226.273	227.368	229.840	233.473
37	179.984	182.070	183.143	185.354	189.243
38	144.893	144.236	146.397	148.709	150.776
39	113.074	114.920	115.440	117.717	120.461
40	88.910	90.755	92.073	93.977	96.467
41	70.193	71.697	73.243	76.833	80.031
42	56.349	57.448	60.040	61.967	63.669
43	47.148	47.559	49.257	51.457	52.821
44	38.941	39.707	41.335	43.713	44.486
45	33.362	34.026	35.444	37.208	37.993
46	29.192	29.736	30.964	32.347	32.872
47	25.975	26.484	27.448	28.567	29.025
48	23.547	23.958	24.701	25.633	26.119
49	21.615	21.961	22.587	23.313	23.768
50	20.038	20.329	20.866	21.460	21.829
51	18.705	18.946	19.436	19.929	20.240
52	17.458	17.679	18.095	18.507	18.756

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.IES****CANDELA TABULATION - (Cont.)**

53	16.327	16.514	16.860	17.194	17.396
54	15.286	15.457	15.748	16.005	16.176
55	14.346	14.474	14.742	14.944	15.072
56	13.432	13.557	13.782	13.953	14.031
57	12.570	12.667	12.850	13.001	13.052
58	11.727	11.808	11.960	12.088	12.131
59	10.907	10.969	11.086	11.206	11.245
60	10.099	10.153	10.254	10.347	10.390
61	9.341	9.384	9.461	9.539	9.562
62	8.634	8.657	8.711	8.778	8.797
63	7.965	7.985	8.020	8.070	8.098
64	7.348	7.363	7.386	7.429	7.456
65	6.792	6.808	6.811	6.842	6.885
66	6.271	6.287	6.283	6.310	6.337
67	5.801	5.813	5.801	5.821	5.844
68	5.366	5.370	5.362	5.362	5.389
69	4.958	4.954	4.942	4.935	4.954
70	4.569	4.562	4.538	4.523	4.538
71	4.193	4.177	4.146	4.123	4.130
72	3.820	3.804	3.769	3.734	3.750
73	3.458	3.431	3.384	3.349	3.369
74	3.085	3.054	3.007	2.969	2.992
75	2.685	2.662	2.611	2.584	2.599
76	2.246	2.226	2.172	2.160	2.168
77	1.749	1.741	1.686	1.679	1.686
78	1.181	1.181	1.138	1.115	1.123
79	0.820	0.828	0.808	0.804	0.793
80	0.742	0.738	0.734	0.730	0.727
81	0.692	0.692	0.692	0.688	0.688
82	0.653	0.649	0.653	0.649	0.649
83	0.606	0.606	0.610	0.606	0.606
84	0.560	0.556	0.563	0.556	0.556
85	0.505	0.501	0.505	0.501	0.501
86	0.443	0.443	0.443	0.439	0.439
87	0.373	0.369	0.373	0.369	0.365
88	0.295	0.291	0.295	0.291	0.288
89	0.214	0.210	0.210	0.202	0.202
90	0.163	0.155	0.155	0.144	0.136
91	0.152	0.144	0.148	0.140	0.136
92	0.152	0.144	0.148	0.136	0.136
93	0.152	0.148	0.148	0.140	0.136
94	0.152	0.148	0.148	0.140	0.140
95	0.155	0.148	0.148	0.140	0.140
96	0.155	0.148	0.148	0.140	0.140
97	0.155	0.152	0.152	0.144	0.144
98	0.155	0.152	0.155	0.144	0.148
99	0.159	0.155	0.155	0.148	0.148
100	0.159	0.155	0.159	0.148	0.152
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

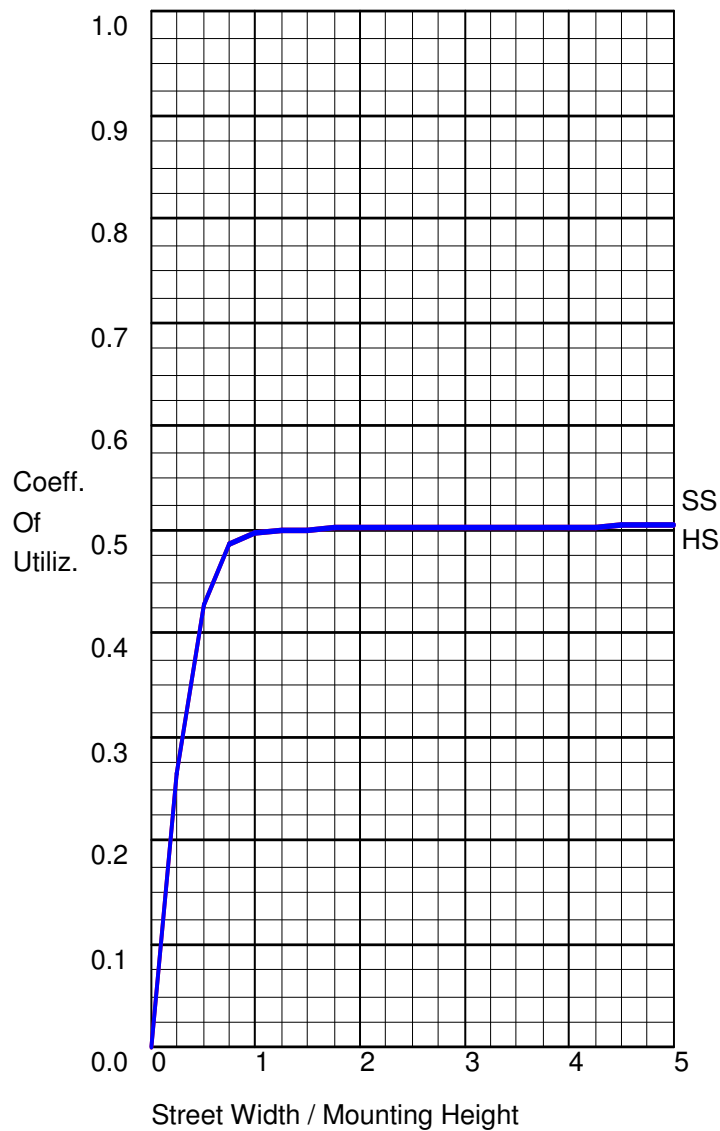
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.IES****CANDELA TABULATION - (Cont.)**

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 : W4CR-XX-L10-827-XXX-DIM-UNV-W-XXX_.IES_.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

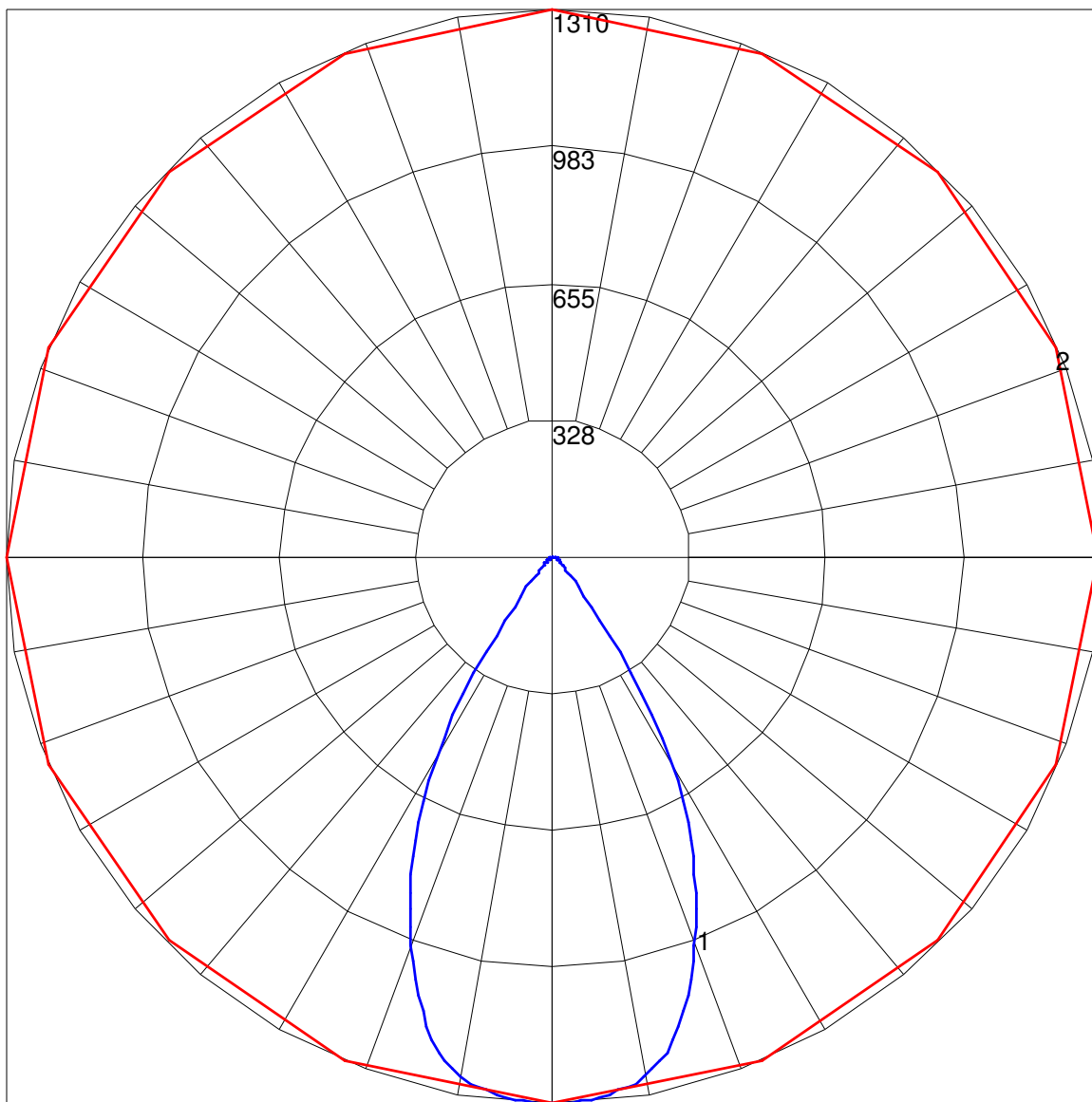
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FLUX DISTRIBUTION

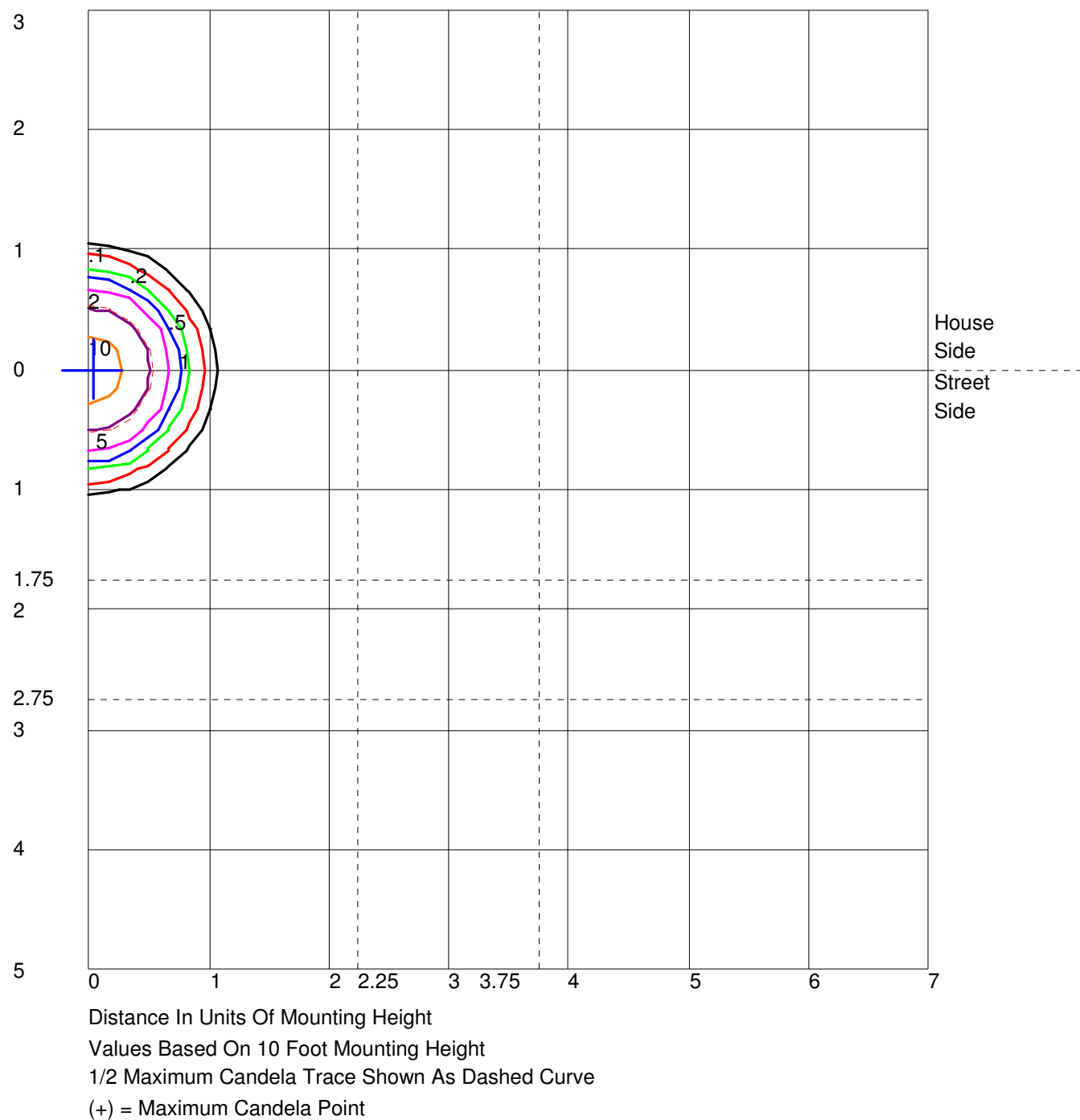
	Lumens	Percent Of Luminaire
Downward Street Side	519.8	50.0
Downward House Side	519.8	50.0
Downward Total	1039.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1039.8	100.0

POLAR GRAPH

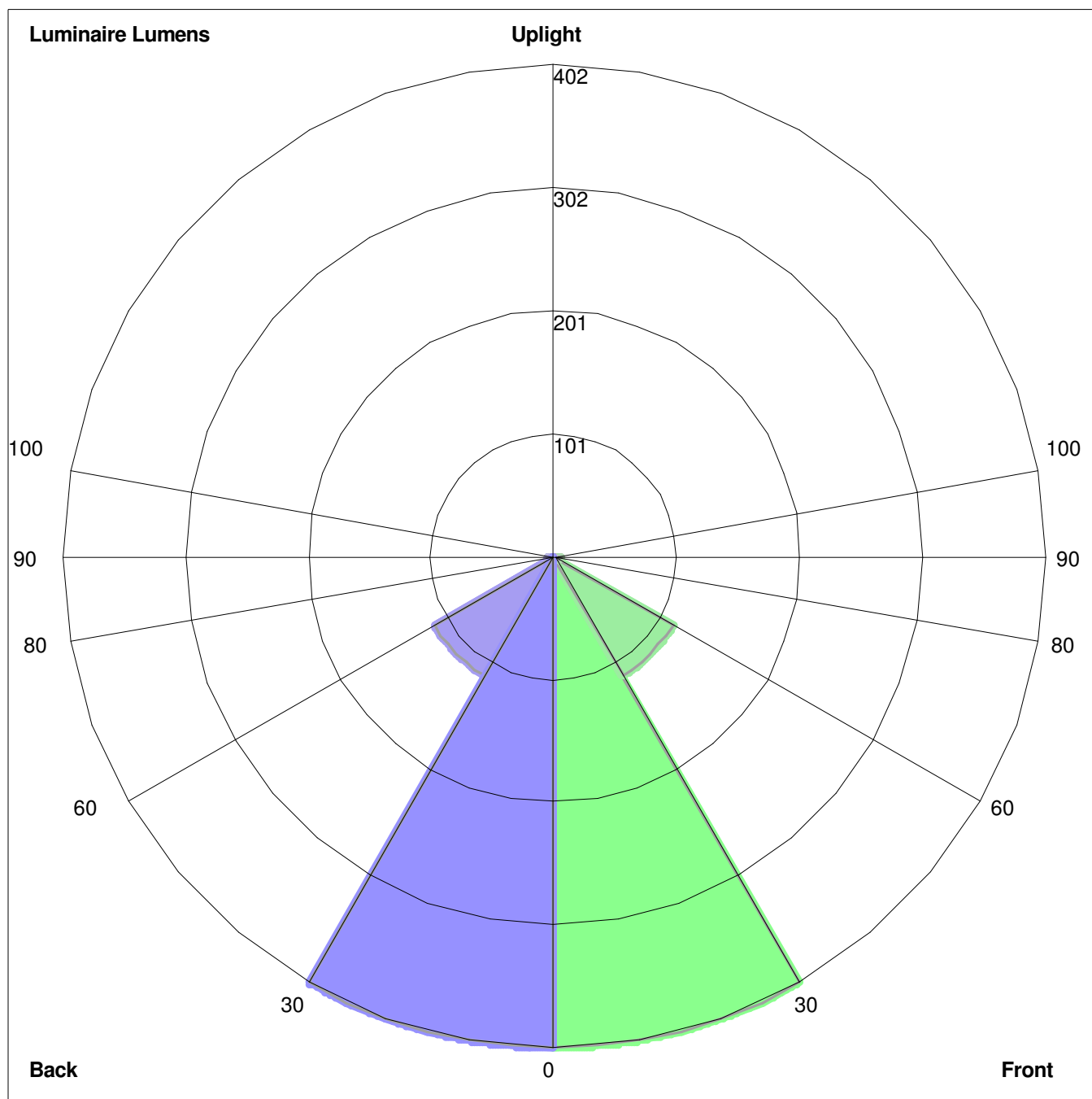


Maximum Candela = 1310.469 Located At Horizontal Angle = 90, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=402.4, Medium=112.3, High=4.8, Very High=0.3
Back: Low=402.4, Medium=112.3, High=4.8, Very High=0.3
Uplight: Low=0.2, High=0.0

BUG Rating : B1-U1-G0