

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-W-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-XW_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-927-xxx-DIM-UNV-W-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH WIDE DIST
[LAMPCAT] BL VERO 18
[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	1005
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	841.881
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	841.881
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.919 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-W-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	268.6	N.A.	26.7
FM - Front-Medium (30-60)	200.5	N.A.	19.9
FH - Front-High (60-80)	32.5	N.A.	3.2
FVH - Front-Very High (80-90)	0.9	N.A.	0.1
BL - Back-Low (0-30)	268.6	N.A.	26.7
BM - Back-Medium (30-60)	200.5	N.A.	19.9
BH - Back-High (60-80)	32.5	N.A.	3.2
BVH - Back-Very High (80-90)	0.9	N.A.	0.1
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	1005.3	N.A.	100.0
BUG Rating	B1-U1-G0		

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-W-XXX_.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	841.881	841.881	841.881	841.881	841.881
1	841.409	841.682	841.517	841.106	841.274
2	840.883	840.819	840.482	839.923	839.808
3	839.545	839.555	839.039	838.368	837.579
4	837.222	837.505	836.902	835.749	835.213
5	833.207	833.396	832.748	831.541	831.268
6	827.975	827.722	826.363	825.062	824.994
7	820.079	819.573	817.500	816.526	816.006
8	808.943	808.809	806.867	806.054	805.286
9	795.812	795.836	794.470	793.486	792.946
10	781.261	781.444	780.098	779.522	779.350
11	765.184	765.713	764.725	764.607	764.600
12	748.607	749.244	748.637	749.075	748.873
13	732.337	732.789	733.139	733.395	732.920
14	715.875	716.508	717.432	717.830	716.751
15	699.547	700.498	701.506	702.029	700.805
16	683.547	684.949	685.701	686.608	685.812
17	668.457	669.788	670.099	671.676	670.968
18	653.458	655.069	655.433	657.220	656.455
19	640.026	641.311	641.884	643.297	642.781
20	627.644	628.244	628.955	630.256	629.167
21	616.093	616.141	616.923	618.153	616.572
22	605.673	604.294	605.733	606.323	605.713
23	595.953	594.031	595.481	595.663	595.845
24	586.365	584.882	585.664	585.674	585.829
25	577.171	576.069	575.658	575.661	575.958
26	567.617	566.434	565.082	565.200	564.906
27	556.428	554.530	552.817	552.399	552.898
28	541.364	539.129	536.759	536.466	537.302
29	521.568	519.582	515.766	515.813	516.781
30	495.127	493.340	488.849	489.399	490.144
31	462.030	460.372	456.127	456.953	457.553
32	423.365	422.390	418.665	420.293	420.866
33	380.963	380.674	378.223	380.296	381.011
34	337.743	338.272	337.059	339.604	339.756
35	297.553	297.661	297.735	300.716	300.470
36	261.747	261.706	263.203	266.187	266.294
37	232.075	232.210	234.290	237.261	236.896
38	208.732	209.552	211.821	214.086	213.894
39	192.307	193.393	195.143	196.970	196.909
40	181.088	181.971	183.195	184.304	184.425
41	173.401	173.789	174.652	175.299	175.306
42	167.525	167.663	168.239	168.600	168.320
43	162.582	162.579	162.960	163.085	162.683
44	157.910	157.910	158.088	158.085	157.694
45	153.213	153.244	153.362	153.331	152.930
46	148.419	148.483	148.520	148.497	148.173
47	143.379	143.474	143.524	143.514	143.217
48	138.289	138.363	138.400	138.390	138.144
49	133.083	133.164	133.211	133.154	132.874
50	127.814	127.814	127.854	127.834	127.564
51	122.480	122.480	122.501	122.477	122.248
52	117.090	117.144	117.140	117.113	116.864

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-927-XXX-DIM-UNV-W-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	111.810	111.837	111.810	111.790	111.473
54	106.554	106.520	106.494	106.406	106.075
55	101.241	101.143	101.113	100.958	100.638
56	95.601	95.523	95.489	95.307	95.007
57	89.903	89.822	89.792	89.566	89.256
58	84.330	84.219	84.142	83.922	83.629
59	78.798	78.710	78.586	78.400	78.131
60	73.414	73.310	73.229	73.013	72.787
61	68.145	68.064	67.990	67.818	67.602
62	63.094	63.010	62.916	62.778	62.572
63	58.179	58.122	58.021	57.903	57.707
64	53.422	53.371	53.304	53.176	53.044
65	48.969	48.871	48.834	48.736	48.645
66	44.549	44.566	44.451	44.431	44.309
67	40.348	40.389	40.324	40.284	40.183
68	36.407	36.407	36.383	36.346	36.299
69	32.618	32.631	32.594	32.584	32.564
70	29.041	29.074	29.041	29.041	29.037
71	25.690	25.713	25.679	25.696	25.700
72	22.541	22.578	22.544	22.564	22.591
73	19.601	19.625	19.611	19.638	19.648
74	16.887	16.900	16.904	16.941	16.927
75	14.372	14.392	14.402	14.433	14.412
76	12.049	12.056	12.079	12.113	12.100
77	9.935	9.945	9.983	10.006	9.996
78	8.027	8.020	8.078	8.084	8.081
79	6.314	6.321	6.375	6.399	6.382
80	4.838	4.834	4.888	4.919	4.905
81	3.547	3.563	3.611	3.641	3.624
82	2.400	2.424	2.458	2.461	2.478
83	1.659	1.665	1.729	1.767	1.810
84	1.537	1.541	1.537	1.537	1.531
85	1.426	1.429	1.426	1.423	1.416
86	1.278	1.278	1.274	1.274	1.264
87	1.075	1.079	1.072	1.072	1.065
88	0.823	0.816	0.816	0.816	0.809
89	0.502	0.502	0.502	0.499	0.492
90	0.219	0.219	0.246	0.270	0.280
91	0.192	0.192	0.192	0.192	0.189
92	0.196	0.199	0.199	0.199	0.199
93	0.209	0.212	0.212	0.212	0.212
94	0.219	0.223	0.226	0.226	0.223
95	0.236	0.236	0.239	0.236	0.236
96	0.249	0.253	0.253	0.253	0.249
97	0.266	0.270	0.270	0.266	0.266
98	0.283	0.283	0.283	0.283	0.280
99	0.300	0.300	0.300	0.303	0.300
100	0.314	0.317	0.314	0.320	0.314
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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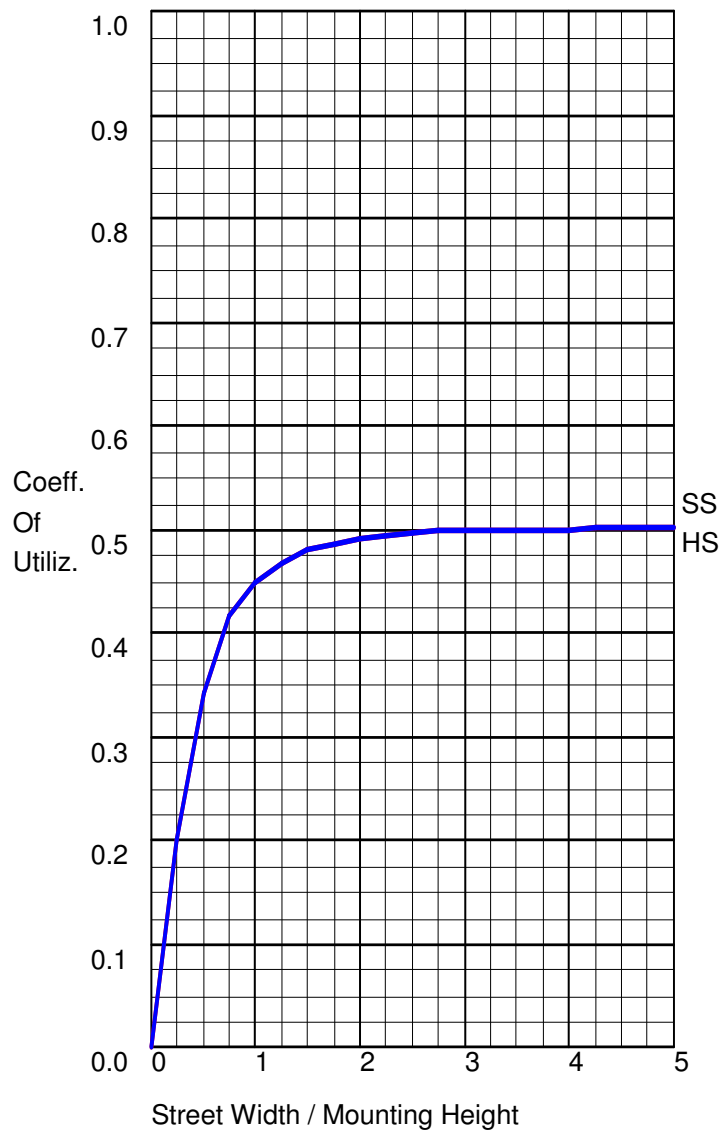
CANDELA TABULATION - (Cont.)

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-L10-927-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

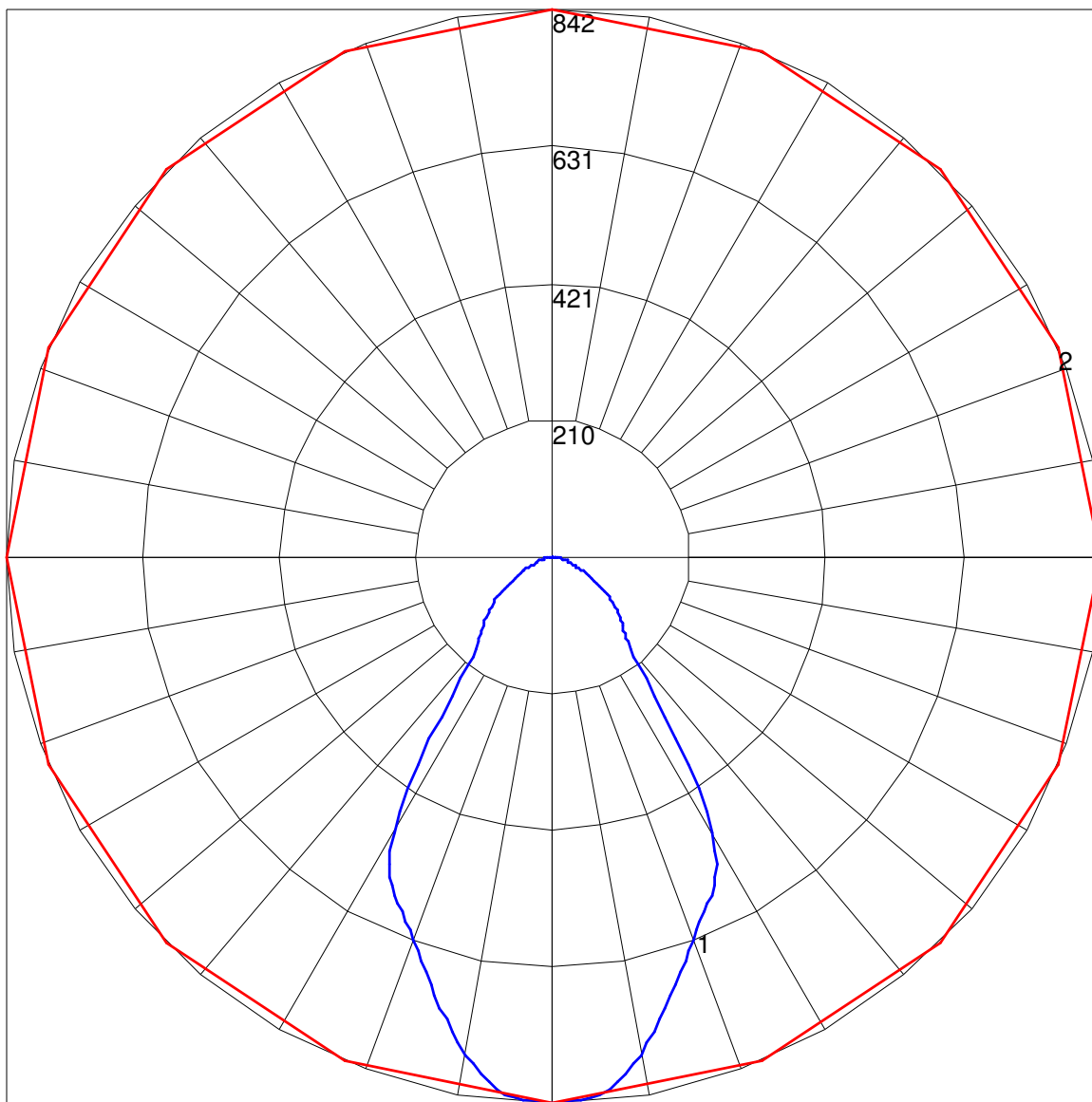
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

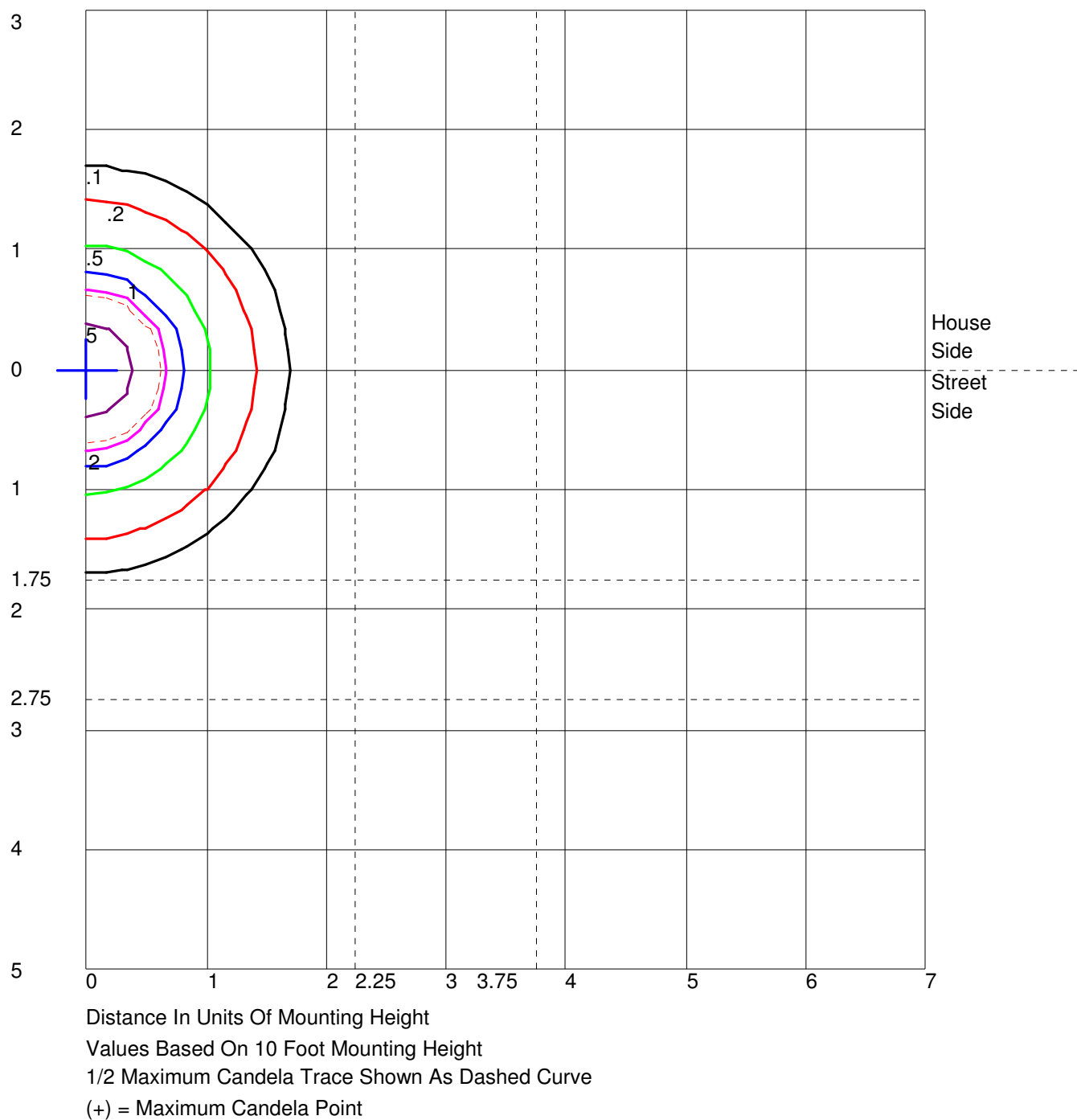
	Lumens	Percent Of Luminaire
Downward Street Side	502.6	50.0
Downward House Side	502.6	50.0
Downward Total	1005.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1005.4	100.0

POLAR GRAPH

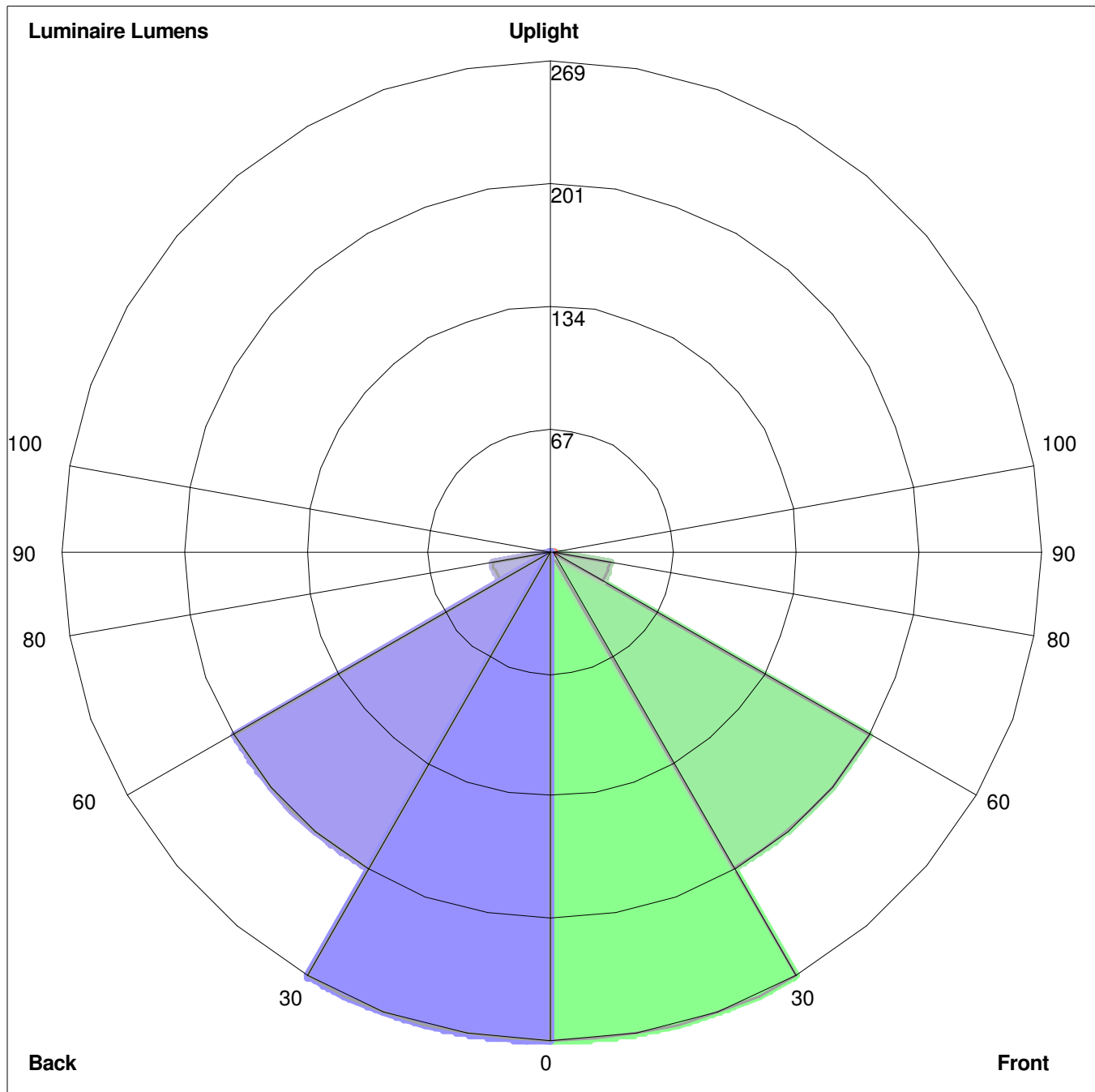


Maximum Candela = 841.881 Located At Horizontal Angle = 90, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=268.6, Medium=200.5, High=32.5, Very High=0.9
Back: Low=268.6, Medium=200.5, High=32.5, Very High=0.9
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0