

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-935-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-L10-935-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	1038
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	869.039
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	869.039
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.289 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.077 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	277.3	N.A.	26.7
FM - Front-Medium (30-60)	207.0	N.A.	19.9
FH - Front-High (60-80)	33.5	N.A.	3.2
FVH - Front-Very High (80-90)	1.0	N.A.	0.1
BL - Back-Low (0-30)	277.3	N.A.	26.7
BM - Back-Medium (30-60)	207.0	N.A.	19.9
BH - Back-High (60-80)	33.5	N.A.	3.2
BVH - Back-Very High (80-90)	1.0	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	1037.9	N.A.	100.0
BUG Rating	B1-U1-G0		

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-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	869.039	869.039	869.039	869.039	869.039
1	868.551	868.833	868.663	868.238	868.412
2	868.009	867.942	867.594	867.017	866.898
3	866.627	866.637	866.105	865.412	864.598
4	864.229	864.521	863.899	862.708	862.155
5	860.084	860.279	859.611	858.365	858.083
6	854.683	854.422	853.020	851.677	851.607
7	846.533	846.011	843.871	842.865	842.329
8	835.038	834.899	832.895	832.056	831.262
9	821.483	821.508	820.098	819.082	818.525
10	806.463	806.651	805.263	804.668	804.490
11	789.867	790.413	789.394	789.272	789.265
12	772.755	773.413	772.787	773.239	773.030
13	755.960	756.427	756.789	757.053	756.562
14	738.967	739.621	740.575	740.986	739.872
15	722.113	723.095	724.135	724.674	723.411
16	705.597	707.044	707.820	708.757	707.935
17	690.020	691.394	691.715	693.343	692.612
18	674.537	676.200	676.576	678.421	677.631
19	660.672	661.998	662.590	664.048	663.516
20	647.890	648.509	649.244	650.587	649.463
21	635.967	636.016	636.823	638.094	636.461
22	625.210	623.787	625.273	625.882	625.252
23	615.177	613.194	614.690	614.878	615.066
24	605.280	603.749	604.556	604.566	604.727
25	595.790	594.652	594.227	594.231	594.537
26	585.927	584.706	583.310	583.432	583.129
27	574.377	572.417	570.650	570.218	570.733
28	558.828	556.520	554.074	553.771	554.634
29	538.393	536.343	532.404	532.452	533.451
30	511.098	509.254	504.619	505.186	505.955
31	476.935	475.222	470.841	471.694	472.313
32	437.021	436.016	432.170	433.851	434.443
33	393.253	392.953	390.423	392.563	393.301
34	348.638	349.184	347.931	350.559	350.716
35	307.152	307.263	307.340	310.416	310.162
36	270.190	270.148	271.693	274.773	274.885
37	239.562	239.701	241.848	244.914	244.538
38	215.466	216.311	218.653	220.992	220.794
39	198.511	199.631	201.437	203.324	203.261
40	186.929	187.841	189.104	190.249	190.374
41	178.994	179.395	180.286	180.954	180.961
42	172.929	173.071	173.666	174.039	173.750
43	167.827	167.823	168.217	168.345	167.931
44	163.003	163.003	163.188	163.184	162.781
45	158.156	158.187	158.309	158.278	157.863
46	153.207	153.273	153.311	153.287	152.953
47	148.004	148.102	148.154	148.144	147.837
48	142.749	142.826	142.864	142.854	142.600
49	137.376	137.460	137.508	137.449	137.160
50	131.937	131.937	131.979	131.958	131.679
51	126.431	126.431	126.452	126.428	126.191
52	120.867	120.922	120.919	120.891	120.633

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	115.417	115.445	115.417	115.396	115.069
54	109.991	109.957	109.929	109.838	109.497
55	104.507	104.406	104.375	104.214	103.884
56	98.685	98.605	98.570	98.382	98.072
57	92.803	92.720	92.688	92.455	92.135
58	87.051	86.936	86.856	86.630	86.327
59	81.340	81.249	81.121	80.929	80.651
60	75.782	75.674	75.591	75.368	75.135
61	70.343	70.259	70.183	70.005	69.783
62	65.130	65.043	64.945	64.803	64.590
63	60.056	59.997	59.892	59.770	59.569
64	55.145	55.093	55.024	54.891	54.756
65	50.548	50.447	50.409	50.308	50.214
66	45.986	46.003	45.885	45.864	45.739
67	41.650	41.691	41.625	41.583	41.479
68	37.581	37.581	37.557	37.519	37.470
69	33.670	33.684	33.645	33.635	33.614
70	29.977	30.012	29.977	29.977	29.974
71	26.518	26.543	26.508	26.525	26.529
72	23.268	23.306	23.271	23.292	23.320
73	20.233	20.258	20.244	20.271	20.282
74	17.432	17.446	17.449	17.487	17.473
75	14.836	14.856	14.867	14.898	14.877
76	12.438	12.445	12.469	12.504	12.490
77	10.256	10.266	10.305	10.329	10.318
78	8.286	8.279	8.338	8.345	8.342
79	6.518	6.525	6.581	6.605	6.588
80	4.994	4.990	5.046	5.077	5.064
81	3.661	3.678	3.727	3.758	3.741
82	2.478	2.502	2.537	2.540	2.558
83	1.712	1.719	1.785	1.824	1.869
84	1.587	1.590	1.587	1.587	1.580
85	1.472	1.476	1.472	1.469	1.462
86	1.319	1.319	1.315	1.315	1.305
87	1.110	1.114	1.107	1.107	1.100
88	0.849	0.842	0.842	0.842	0.835
89	0.519	0.519	0.519	0.515	0.508
90	0.226	0.226	0.254	0.278	0.289
91	0.198	0.198	0.198	0.198	0.195
92	0.202	0.205	0.205	0.205	0.205
93	0.216	0.219	0.219	0.219	0.219
94	0.226	0.230	0.233	0.233	0.230
95	0.244	0.244	0.247	0.244	0.244
96	0.258	0.261	0.261	0.261	0.258
97	0.275	0.278	0.278	0.275	0.275
98	0.292	0.292	0.292	0.292	0.289
99	0.310	0.310	0.310	0.313	0.310
100	0.324	0.327	0.324	0.331	0.324
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

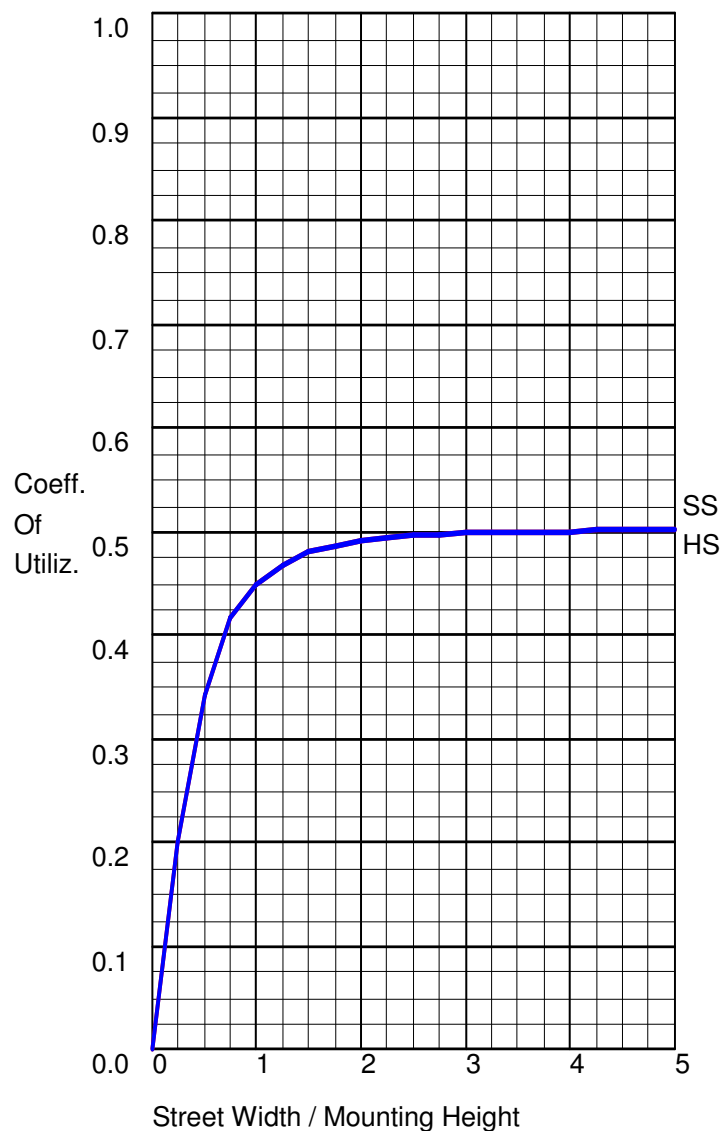
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-935-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L10-935-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

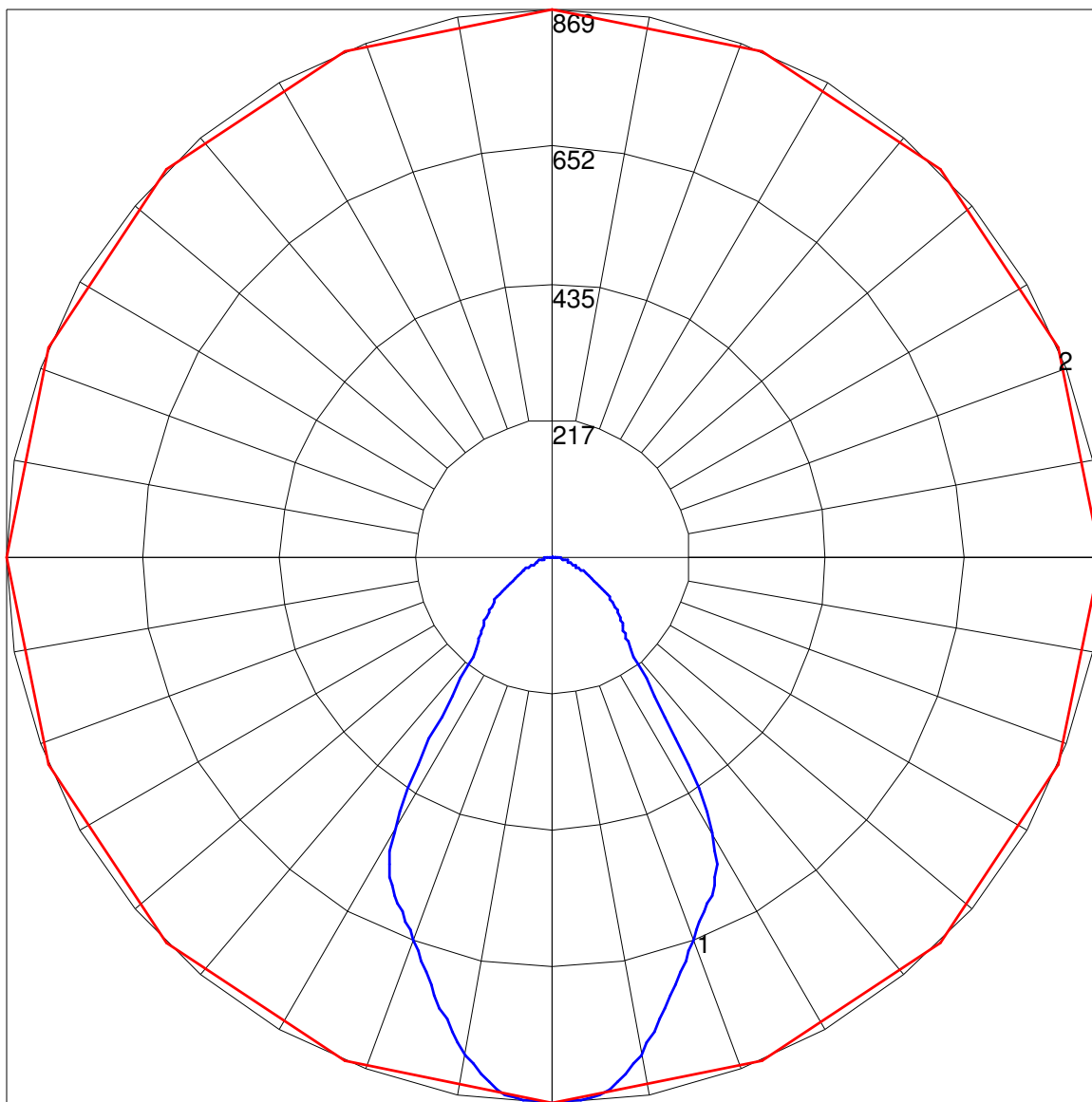
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

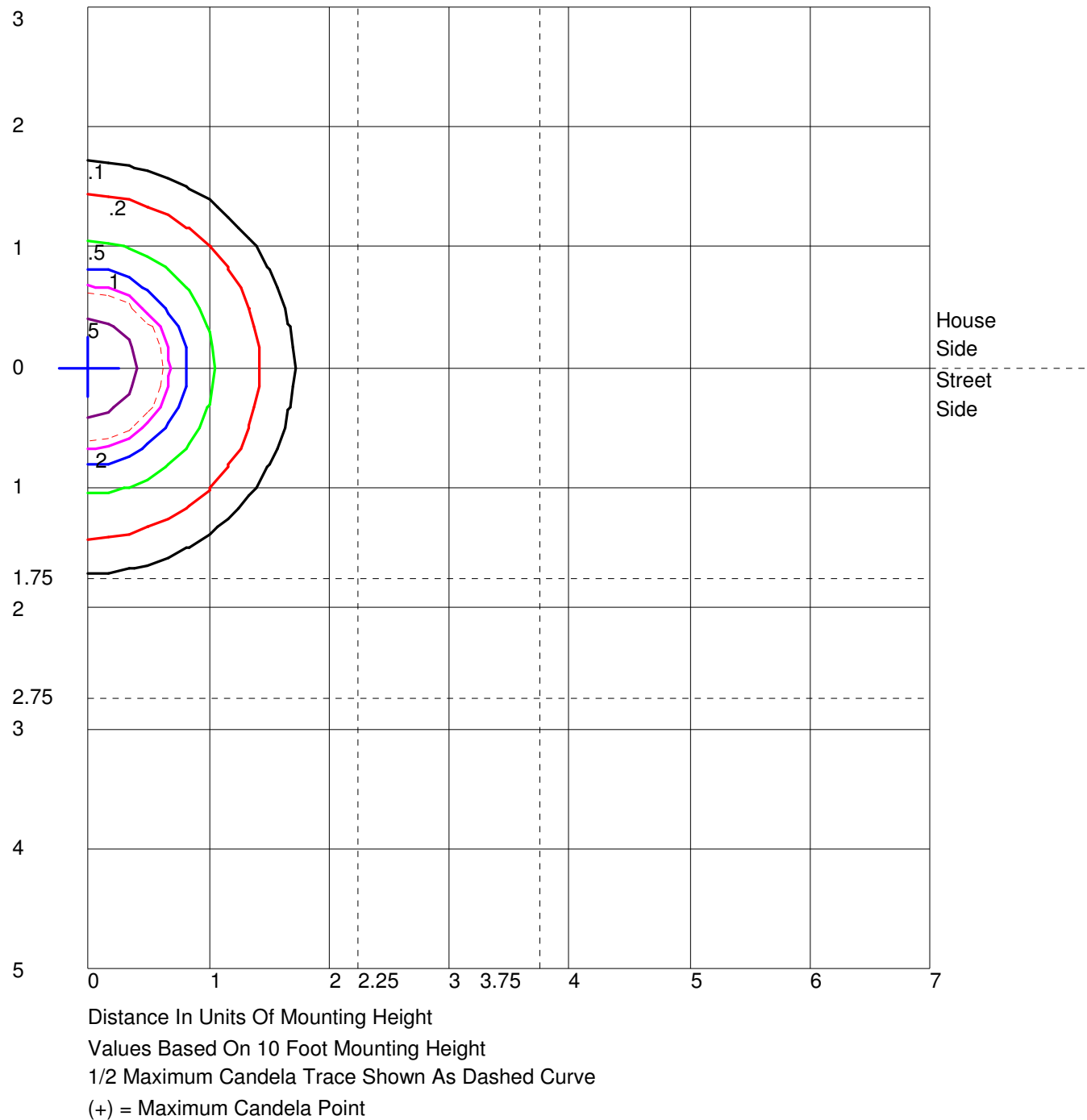
	Lumens	Percent Of Luminaire
Downward Street Side	518.8	50.0
Downward House Side	518.8	50.0
Downward Total	1037.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1037.8	100.0

POLAR GRAPH

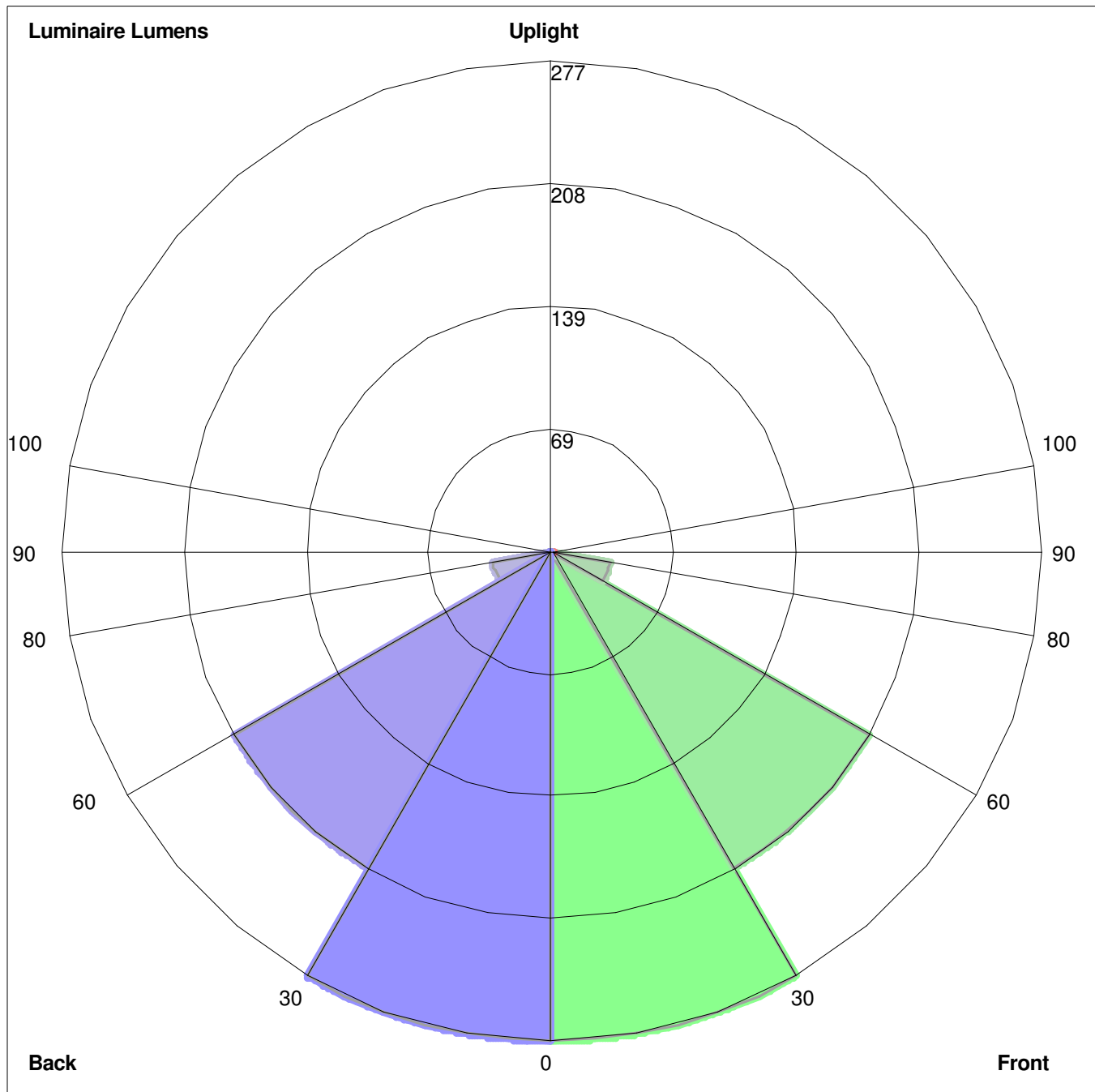


Maximum Candela = 869.039 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=277.3, Medium=207.0, High=33.5, Very High=1.0  
Back: Low=277.3, Medium=207.0, High=33.5, Very High=1.0  
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0