

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-930-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-L10-930-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	1027
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	859.986
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	859.986
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.286 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.025 (0.5% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-930-XXX-DIM-UNV-W-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	274.4	N.A.	26.7
FM - Front-Medium (30-60)	204.8	N.A.	19.9
FH - Front-High (60-80)	33.2	N.A.	3.2
FVH - Front-Very High (80-90)	0.9	N.A.	0.1
BL - Back-Low (0-30)	274.4	N.A.	26.7
BM - Back-Medium (30-60)	204.8	N.A.	19.9
BH - Back-High (60-80)	33.2	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	1026.9	N.A.	100.0
BUG Rating	B1-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	859.986	859.986	859.986	859.986	859.986
1	859.504	859.783	859.614	859.194	859.366
2	858.967	858.902	858.557	857.985	857.868
3	857.600	857.610	857.083	856.398	855.592
4	855.227	855.516	854.900	853.722	853.174
5	851.125	851.318	850.657	849.424	849.145
6	845.781	845.522	844.134	842.805	842.736
7	837.715	837.199	835.081	834.085	833.555
8	826.340	826.202	824.219	823.389	822.604
9	812.926	812.951	811.556	810.550	809.999
10	798.063	798.249	796.875	796.286	796.110
11	781.639	782.180	781.171	781.050	781.043
12	764.706	765.357	764.737	765.185	764.978
13	748.086	748.547	748.906	749.167	748.682
14	731.270	731.917	732.861	733.267	732.165
15	714.591	715.562	716.592	717.126	715.876
16	698.247	699.679	700.447	701.374	700.561
17	682.832	684.193	684.509	686.121	685.398
18	667.511	669.157	669.529	671.354	670.572
19	653.790	655.103	655.688	657.131	656.604
20	641.141	641.754	642.481	643.810	642.698
21	629.343	629.391	630.190	631.447	629.832
22	618.698	617.289	618.760	619.362	618.739
23	608.769	606.806	608.287	608.473	608.659
24	598.975	597.460	598.259	598.269	598.427
25	589.584	588.458	588.037	588.041	588.344
26	579.824	578.615	577.234	577.355	577.055
27	568.394	566.455	564.705	564.278	564.788
28	553.007	550.724	548.303	548.003	548.857
29	532.785	530.756	526.858	526.906	527.894
30	505.775	503.949	499.362	499.924	500.685
31	471.967	470.272	465.936	466.780	467.393
32	432.469	431.474	427.669	429.332	429.917
33	389.156	388.860	386.356	388.474	389.204
34	345.006	345.547	344.307	346.907	347.062
35	303.952	304.063	304.138	307.183	306.931
36	267.376	267.334	268.863	271.911	272.021
37	237.066	237.204	239.329	242.363	241.991
38	213.221	214.058	216.376	218.690	218.494
39	196.443	197.552	199.339	201.206	201.144
40	184.982	185.884	187.134	188.267	188.391
41	177.130	177.526	178.408	179.069	179.076
42	171.127	171.269	171.857	172.226	171.940
43	166.079	166.075	166.464	166.592	166.182
44	161.306	161.306	161.488	161.485	161.085
45	156.508	156.539	156.660	156.629	156.219
46	151.611	151.677	151.714	151.690	151.360
47	146.463	146.559	146.611	146.600	146.297
48	141.262	141.338	141.376	141.366	141.114
49	135.945	136.028	136.076	136.018	135.732
50	130.562	130.562	130.604	130.583	130.308
51	125.114	125.114	125.135	125.111	124.877
52	119.608	119.663	119.659	119.632	119.377

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-930-XXX-DIM-UNV-W-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	114.215	114.242	114.215	114.194	113.870
54	108.846	108.811	108.784	108.694	108.357
55	103.418	103.318	103.287	103.129	102.802
56	97.657	97.577	97.543	97.357	97.051
57	91.837	91.754	91.723	91.492	91.175
58	86.144	86.030	85.951	85.727	85.428
59	80.493	80.403	80.276	80.086	79.811
60	74.993	74.886	74.803	74.583	74.352
61	69.610	69.527	69.452	69.276	69.056
62	64.451	64.365	64.269	64.128	63.917
63	59.430	59.372	59.268	59.148	58.948
64	54.571	54.519	54.450	54.320	54.185
65	50.022	49.922	49.884	49.784	49.691
66	45.507	45.524	45.407	45.386	45.262
67	41.216	41.257	41.192	41.150	41.047
68	37.190	37.190	37.166	37.128	37.080
69	33.319	33.333	33.295	33.285	33.264
70	29.665	29.700	29.665	29.665	29.662
71	26.242	26.266	26.232	26.249	26.252
72	23.025	23.063	23.029	23.050	23.077
73	20.022	20.047	20.033	20.060	20.071
74	17.250	17.264	17.267	17.305	17.291
75	14.681	14.702	14.712	14.743	14.722
76	12.308	12.315	12.339	12.374	12.360
77	10.149	10.159	10.197	10.221	10.211
78	8.200	8.193	8.251	8.258	8.255
79	6.450	6.457	6.512	6.536	6.519
80	4.942	4.938	4.994	5.025	5.011
81	3.623	3.640	3.688	3.719	3.702
82	2.452	2.476	2.511	2.514	2.531
83	1.694	1.701	1.767	1.805	1.849
84	1.570	1.574	1.570	1.570	1.563
85	1.457	1.460	1.457	1.453	1.446
86	1.305	1.305	1.302	1.302	1.291
87	1.099	1.102	1.095	1.095	1.088
88	0.840	0.833	0.833	0.833	0.827
89	0.513	0.513	0.513	0.510	0.503
90	0.224	0.224	0.251	0.276	0.286
91	0.196	0.196	0.196	0.196	0.193
92	0.200	0.203	0.203	0.203	0.203
93	0.214	0.217	0.217	0.217	0.217
94	0.224	0.227	0.231	0.231	0.227
95	0.241	0.241	0.245	0.241	0.241
96	0.255	0.258	0.258	0.258	0.255
97	0.272	0.276	0.276	0.272	0.272
98	0.289	0.289	0.289	0.289	0.286
99	0.307	0.307	0.307	0.310	0.307
100	0.320	0.324	0.320	0.327	0.320
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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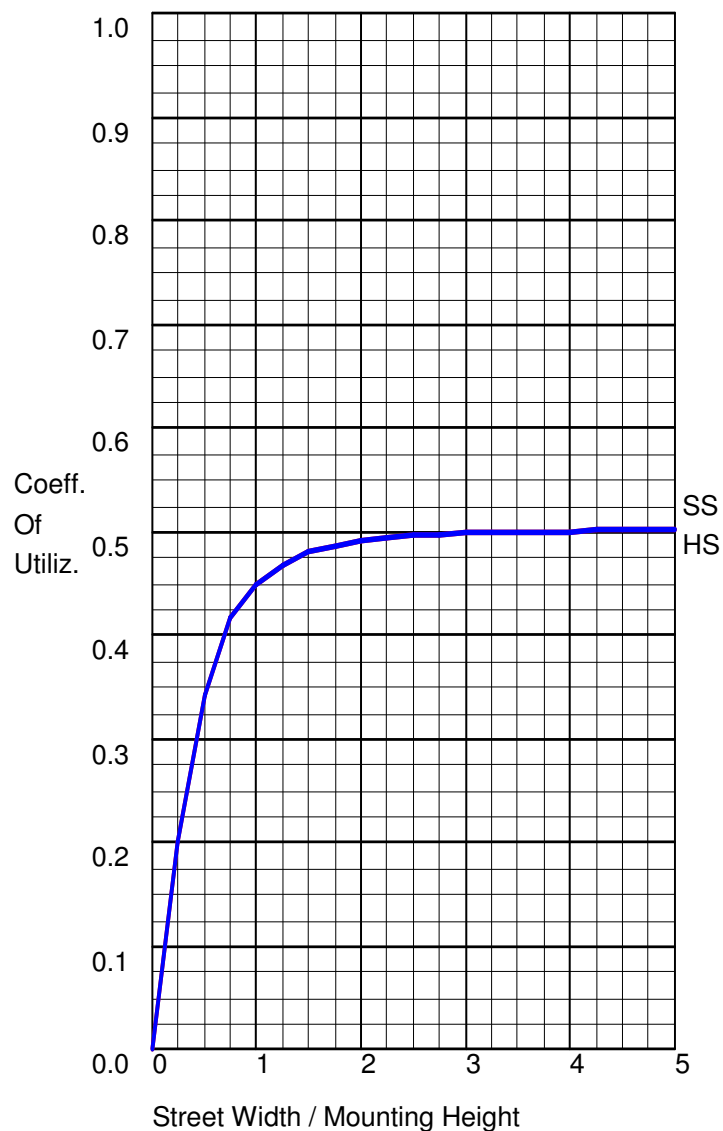
CANDELA TABULATION - (Cont.)

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-L10-930-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

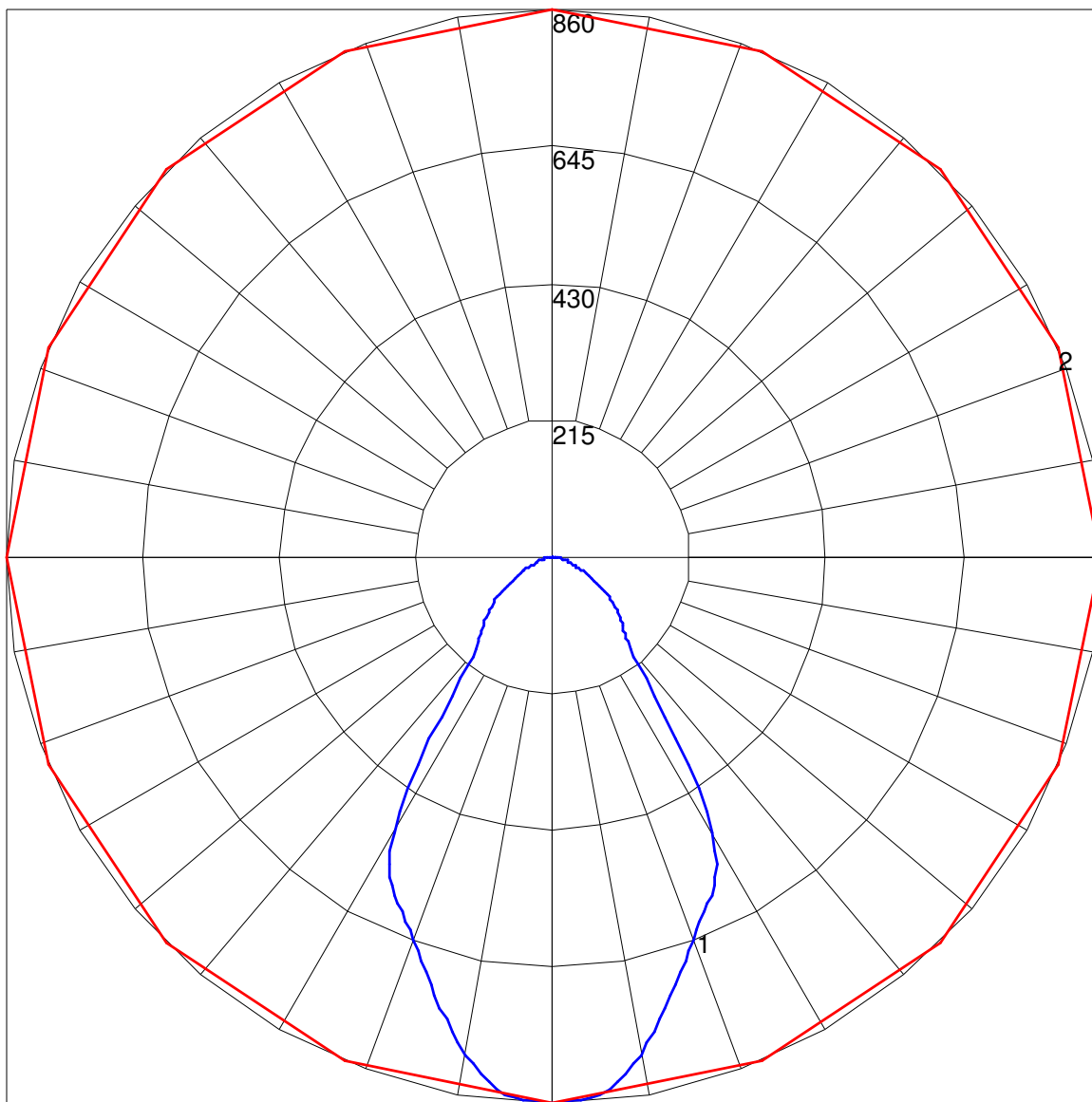
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	513.4	50.0
Downward House Side	513.4	50.0
Downward Total	1026.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1027.0	100.0

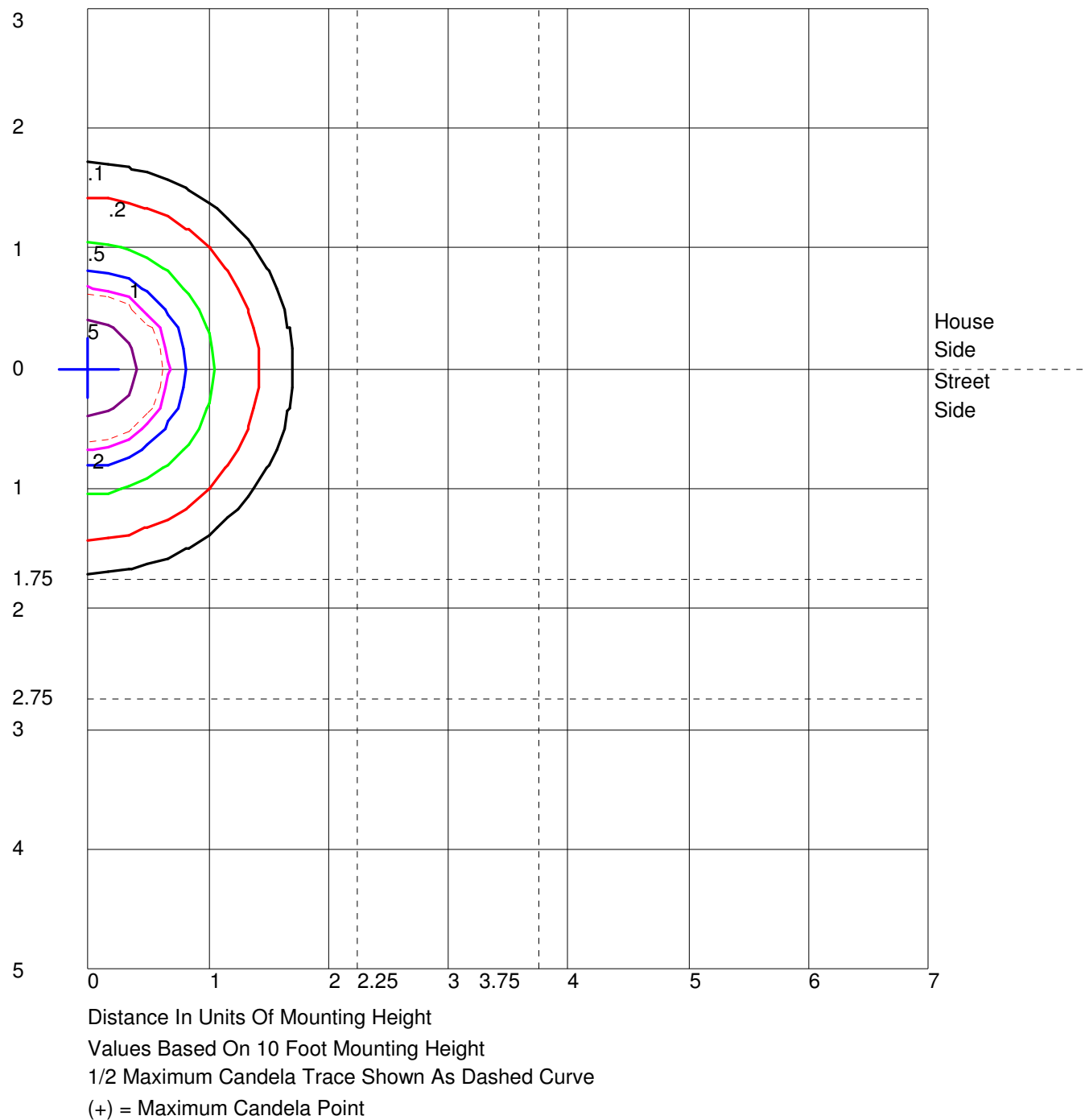
POLAR GRAPH



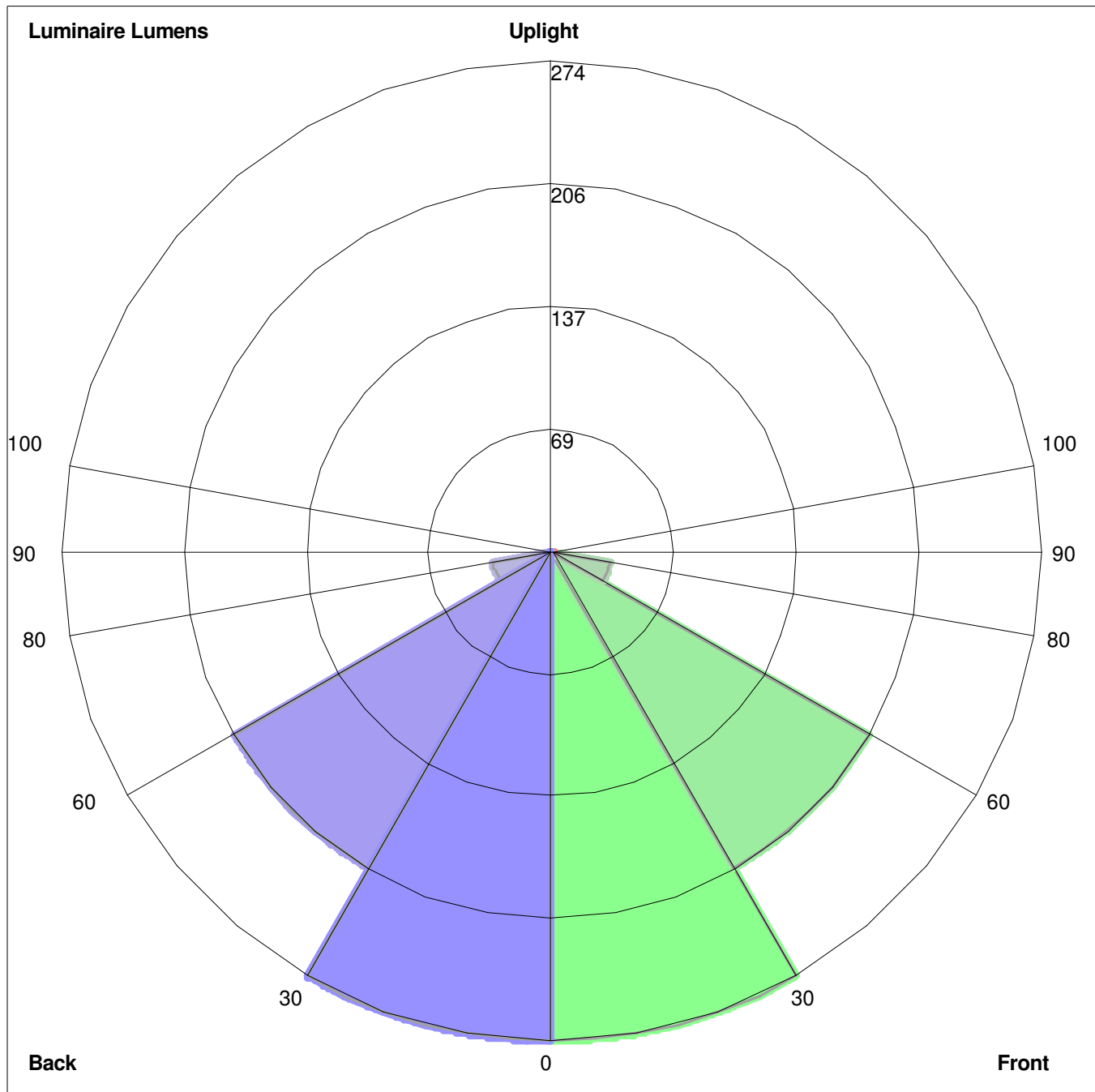
Maximum Candela = 859.986 Located At Horizontal Angle = 90, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=274.4, Medium=204.8, High=33.2, Very High=0.9  
Back: Low=274.4, Medium=204.8, High=33.2, Very High=0.9  
Uplight: Low=0.3, High=0.0

BUG Rating : B1-U1-G0