

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-835-XXX-DIM-UNV-N-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-M\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L40-835-xxx-DIM-UNV-N-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH NARROW DIST.  
[LAMPCAT] BL V18 COB  
[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	3620
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10667.222
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10667.222
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.326 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.167 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-835-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1419.0	N.A.	39.2
FM - Front-Medium (30-60)	362.8	N.A.	10.0
FH - Front-High (60-80)	26.8	N.A.	0.7
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1419.0	N.A.	39.2
BM - Back-Medium (30-60)	362.8	N.A.	10.0
BH - Back-High (60-80)	26.8	N.A.	0.7
BVH - Back-Very High (80-90)	1.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	3619.7	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	10667.222	10667.222	10667.222	10667.222	10667.222
1	10598.607	10595.631	10597.472	10597.380	10593.516
2	10411.446	10408.665	10407.373	10408.065	10404.148
3	10111.820	10105.919	10104.758	10106.794	10098.217
4	9699.939	9696.675	9691.245	9692.472	9687.159
5	9185.267	9183.257	9190.058	9190.711	9193.544
6	8603.901	8601.877	8612.046	8624.696	8635.727
7	7976.856	7980.172	7999.466	8020.589	8029.113
8	7325.596	7334.721	7359.733	7390.633	7400.646
9	6689.975	6698.121	6728.198	6767.740	6785.925
10	6085.162	6093.230	6128.007	6168.449	6191.216
11	5522.293	5529.147	5562.201	5604.719	5629.653
12	5008.274	5016.642	5047.777	5088.938	5106.809
13	4549.737	4558.614	4591.485	4635.674	4642.436
14	4146.263	4160.349	4192.998	4220.256	4232.736
15	3806.051	3807.670	3830.698	3860.997	3877.641
16	3487.979	3497.744	3528.944	3556.580	3578.342
17	3228.653	3236.433	3255.362	3283.168	3297.280
18	3007.967	3014.351	3031.073	3055.590	3066.738
19	2823.077	2828.012	2842.384	2860.700	2872.344
20	2668.917	2670.666	2681.567	2695.404	2704.908
21	2534.704	2533.138	2542.106	2553.111	2561.126
22	2420.595	2413.272	2421.000	2429.146	2437.096
23	2318.327	2307.805	2314.188	2319.645	2328.640
24	2221.319	2213.656	2215.549	2219.974	2229.478
25	2132.810	2125.617	2123.763	2126.674	2134.194
26	2045.241	2038.622	2033.178	2036.298	2041.677
27	1956.797	1947.515	1941.066	1941.706	1949.003
28	1858.719	1847.949	1836.343	1836.500	1843.471
29	1742.312	1736.359	1723.279	1723.762	1733.696
30	1619.653	1611.454	1588.035	1592.538	1601.298
31	1467.033	1459.592	1441.498	1440.989	1450.375
32	1295.928	1292.338	1277.861	1283.670	1288.761
33	1114.876	1113.505	1104.106	1113.793	1119.497
34	933.236	934.542	931.683	943.001	948.171
35	763.294	765.017	768.307	782.562	785.904
36	614.199	615.139	625.138	640.295	644.198
37	489.137	494.959	504.424	522.204	521.682
38	391.673	399.323	412.155	421.724	423.747
39	329.285	327.419	338.424	347.810	349.833
40	274.287	278.765	290.031	295.931	301.336
41	242.016	244.653	250.724	254.771	256.977
42	219.106	220.516	225.072	227.630	228.845
43	201.482	202.383	206.025	207.500	208.819
44	186.770	187.671	190.229	191.483	192.005
45	173.807	174.799	177.097	177.710	178.285
46	161.797	162.854	164.786	165.609	166.079
47	150.466	151.445	153.311	154.147	154.604
48	139.774	140.766	142.528	143.495	143.951
49	129.787	130.675	132.333	133.351	133.782
50	120.388	121.106	122.764	123.756	124.200
51	111.602	112.294	113.822	114.840	115.297
52	103.443	104.031	105.467	106.498	106.851

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53	95.820	96.394	97.713	98.757	99.070
54	88.809	89.319	90.480	91.459	91.799
55	82.152	82.569	83.718	84.567	84.958
56	75.677	76.081	77.152	77.948	78.314
57	69.541	69.946	70.938	71.643	72.008
58	64.019	64.371	65.272	65.912	66.277
59	58.928	59.228	60.037	60.638	60.990
60	54.228	54.515	55.273	55.782	56.108
61	49.972	50.207	50.899	51.356	51.591
62	46.082	46.317	46.905	47.322	47.518
63	42.518	42.727	43.276	43.615	43.772
64	39.307	39.411	39.934	40.221	40.312
65	36.344	36.422	36.892	37.114	37.205
66	33.550	33.641	34.007	34.229	34.268
67	30.978	31.070	31.396	31.566	31.605
68	28.602	28.694	28.955	29.098	29.111
69	26.396	26.422	26.683	26.788	26.775
70	24.307	24.333	24.542	24.621	24.595
71	22.336	22.336	22.506	22.571	22.519
72	20.495	20.443	20.587	20.626	20.613
73	18.668	18.629	18.746	18.759	18.720
74	16.906	16.879	16.958	16.984	16.945
75	15.221	15.182	15.235	15.274	15.221
76	13.551	13.511	13.551	13.577	13.551
77	11.893	11.880	11.932	11.932	11.932
78	10.274	10.261	10.313	10.313	10.339
79	8.655	8.642	8.720	8.733	8.746
80	7.036	7.036	7.115	7.167	7.154
81	5.300	5.352	5.391	5.431	5.405
82	3.081	3.159	3.238	3.224	3.251
83	1.540	1.540	1.671	1.736	1.841
84	1.397	1.397	1.410	1.397	1.397
85	1.292	1.292	1.292	1.292	1.292
86	1.149	1.162	1.162	1.149	1.162
87	0.979	0.979	0.992	0.979	0.979
88	0.757	0.770	0.770	0.757	0.757
89	0.509	0.509	0.509	0.509	0.509
90	0.287	0.300	0.313	0.326	0.326
91	0.274	0.287	0.274	0.274	0.261
92	0.287	0.287	0.287	0.287	0.261
93	0.287	0.287	0.287	0.287	0.261
94	0.287	0.300	0.300	0.287	0.274
95	0.300	0.300	0.300	0.287	0.287
96	0.300	0.313	0.313	0.300	0.313
97	0.326	0.326	0.326	0.326	0.326
98	0.339	0.339	0.326	0.339	0.339
99	0.352	0.366	0.352	0.339	0.352
100	0.352	0.366	0.366	0.352	0.352
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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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

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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

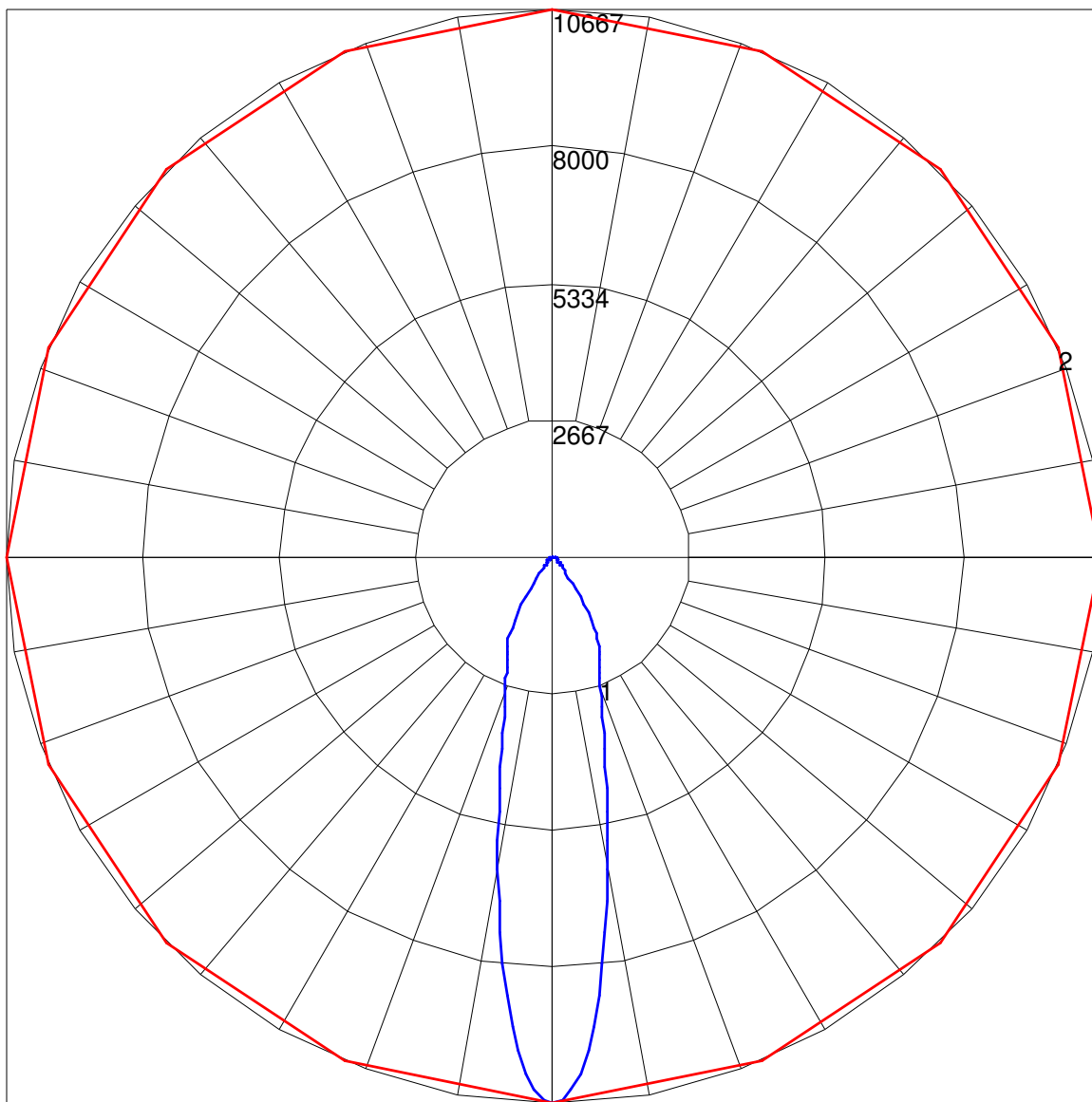
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

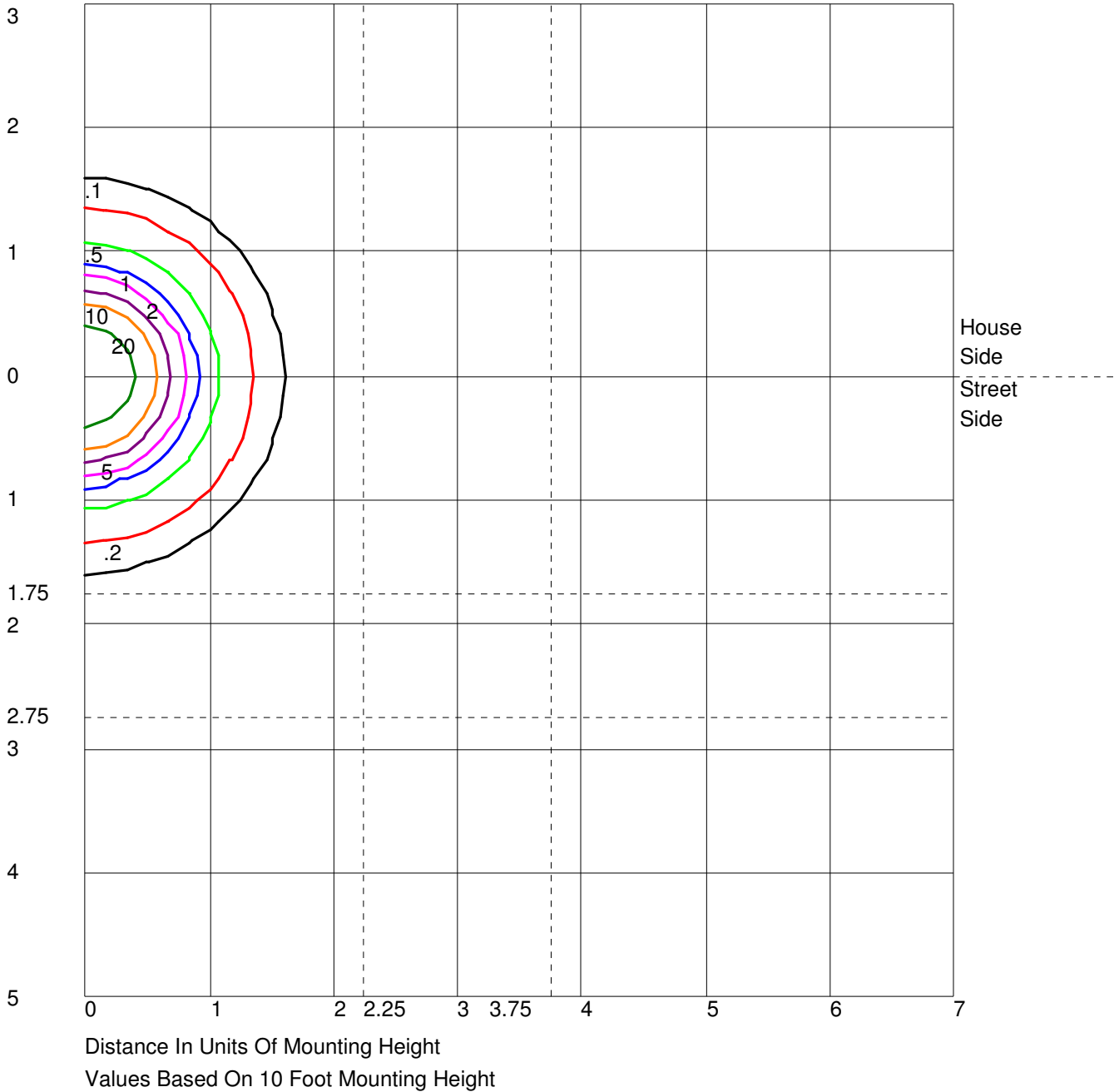
	Lumens	Percent Of Luminaire
Downward Street Side	1809.6	50.0
Downward House Side	1809.6	50.0
Downward Total	3619.2	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3619.6	100.0

POLAR GRAPH



Maximum Candela = 10667.222 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



# PHOTO IES R

