

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-827-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-L40-827-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	3547
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10453.876
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10453.876
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.32 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.024 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1390.6	N.A.	39.2
FM - Front-Medium (30-60)	355.5	N.A.	10.0
FH - Front-High (60-80)	26.2	N.A.	0.7
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1390.6	N.A.	39.2
BM - Back-Medium (30-60)	355.5	N.A.	10.0
BH - Back-High (60-80)	26.2	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	3547.1	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	10453.876	10453.876	10453.876	10453.876	10453.876
1	10386.635	10383.718	10385.522	10385.432	10381.645
2	10203.216	10200.491	10199.225	10199.903	10196.065
3	9909.583	9903.800	9902.662	9904.658	9896.252
4	9505.940	9502.741	9497.419	9498.622	9493.415
5	9001.561	8999.591	9006.257	9006.896	9009.672
6	8431.822	8429.839	8439.805	8452.202	8463.012
7	7817.319	7820.568	7839.477	7860.176	7868.530
8	7179.083	7188.026	7212.538	7242.820	7252.632
9	6556.175	6564.158	6593.634	6632.385	6650.206
10	5963.458	5971.365	6005.446	6045.080	6067.392
11	5411.847	5418.564	5450.956	5492.624	5517.060
12	4908.109	4916.309	4946.821	4987.159	5004.673
13	4458.742	4467.441	4499.655	4542.960	4549.587
14	4063.337	4077.141	4109.138	4135.850	4148.081
15	3729.930	3731.516	3754.083	3783.777	3800.088
16	3418.219	3427.789	3458.365	3485.449	3506.775
17	3164.079	3171.704	3190.255	3217.504	3231.334
18	2947.808	2954.064	2970.452	2994.478	3005.403
19	2766.615	2771.451	2785.537	2803.486	2814.897
20	2615.538	2617.253	2627.935	2641.496	2650.810
21	2484.010	2482.475	2491.264	2502.049	2509.904
22	2372.183	2365.006	2372.580	2380.563	2388.354
23	2271.960	2261.649	2267.904	2273.252	2282.067
24	2176.893	2169.383	2171.238	2175.575	2184.888
25	2090.154	2083.104	2081.288	2084.141	2091.510
26	2004.336	1997.849	1992.515	1995.572	2000.843
27	1917.661	1908.565	1902.245	1902.872	1910.023
28	1821.544	1810.990	1799.616	1799.770	1806.602
29	1707.466	1701.632	1688.813	1689.286	1699.022
30	1587.259	1579.225	1556.274	1560.688	1569.272
31	1437.692	1430.400	1412.668	1412.169	1421.368
32	1270.010	1266.491	1252.304	1257.997	1262.986
33	1092.579	1091.235	1082.024	1091.517	1097.107
34	914.572	915.851	913.049	924.141	929.207
35	748.028	749.716	752.940	766.911	770.186
36	601.915	602.836	612.636	627.489	631.314
37	479.354	485.060	494.335	511.760	511.248
38	383.839	391.336	403.912	413.289	415.272
39	322.700	320.870	331.655	340.853	342.836
40	268.801	273.189	284.230	290.013	295.309
41	237.176	239.760	245.709	249.675	251.837
42	214.724	216.105	220.570	223.078	224.268
43	197.453	198.335	201.905	203.350	204.643
44	183.035	183.917	186.425	187.653	188.165
45	170.331	171.303	173.555	174.156	174.719
46	158.561	159.597	161.491	162.297	162.757
47	147.456	148.416	150.245	151.064	151.512
48	136.979	137.951	139.678	140.625	141.072
49	127.192	128.062	129.686	130.684	131.106
50	117.980	118.684	120.309	121.281	121.716
51	109.370	110.048	111.545	112.543	112.991
52	101.375	101.950	103.358	104.368	104.714

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-827-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	93.903	94.466	95.758	96.782	97.089
54	87.033	87.532	88.671	89.630	89.963
55	80.509	80.918	82.044	82.875	83.259
56	74.163	74.560	75.609	76.389	76.747
57	68.150	68.547	69.519	70.210	70.568
58	62.739	63.084	63.967	64.594	64.952
59	57.749	58.043	58.837	59.425	59.771
60	53.144	53.425	54.167	54.666	54.986
61	48.973	49.203	49.881	50.329	50.559
62	45.161	45.391	45.967	46.376	46.568
63	41.668	41.873	42.410	42.743	42.896
64	38.521	38.623	39.135	39.416	39.506
65	35.617	35.693	36.154	36.372	36.461
66	32.879	32.968	33.327	33.544	33.583
67	30.359	30.448	30.768	30.934	30.973
68	28.030	28.120	28.376	28.516	28.529
69	25.868	25.894	26.150	26.252	26.239
70	23.821	23.847	24.052	24.128	24.103
71	21.889	21.889	22.056	22.120	22.069
72	20.086	20.034	20.175	20.214	20.201
73	18.295	18.256	18.371	18.384	18.346
74	16.567	16.542	16.619	16.644	16.606
75	14.917	14.879	14.930	14.968	14.917
76	13.280	13.241	13.280	13.305	13.280
77	11.655	11.642	11.693	11.693	11.693
78	10.068	10.056	10.107	10.107	10.132
79	8.482	8.469	8.546	8.559	8.572
80	6.896	6.896	6.972	7.024	7.011
81	5.194	5.245	5.284	5.322	5.296
82	3.019	3.096	3.173	3.160	3.186
83	1.510	1.510	1.638	1.702	1.804
84	1.369	1.369	1.382	1.369	1.369
85	1.267	1.267	1.267	1.267	1.267
86	1.126	1.139	1.139	1.126	1.139
87	0.960	0.960	0.972	0.960	0.960
88	0.742	0.755	0.755	0.742	0.742
89	0.499	0.499	0.499	0.499	0.499
90	0.281	0.294	0.307	0.320	0.320
91	0.269	0.281	0.269	0.269	0.256
92	0.281	0.281	0.281	0.281	0.256
93	0.281	0.281	0.281	0.281	0.256
94	0.281	0.294	0.294	0.281	0.269
95	0.294	0.294	0.294	0.281	0.281
96	0.294	0.307	0.307	0.294	0.307
97	0.320	0.320	0.320	0.320	0.320
98	0.333	0.333	0.320	0.333	0.333
99	0.345	0.358	0.345	0.333	0.345
100	0.345	0.358	0.358	0.345	0.345
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

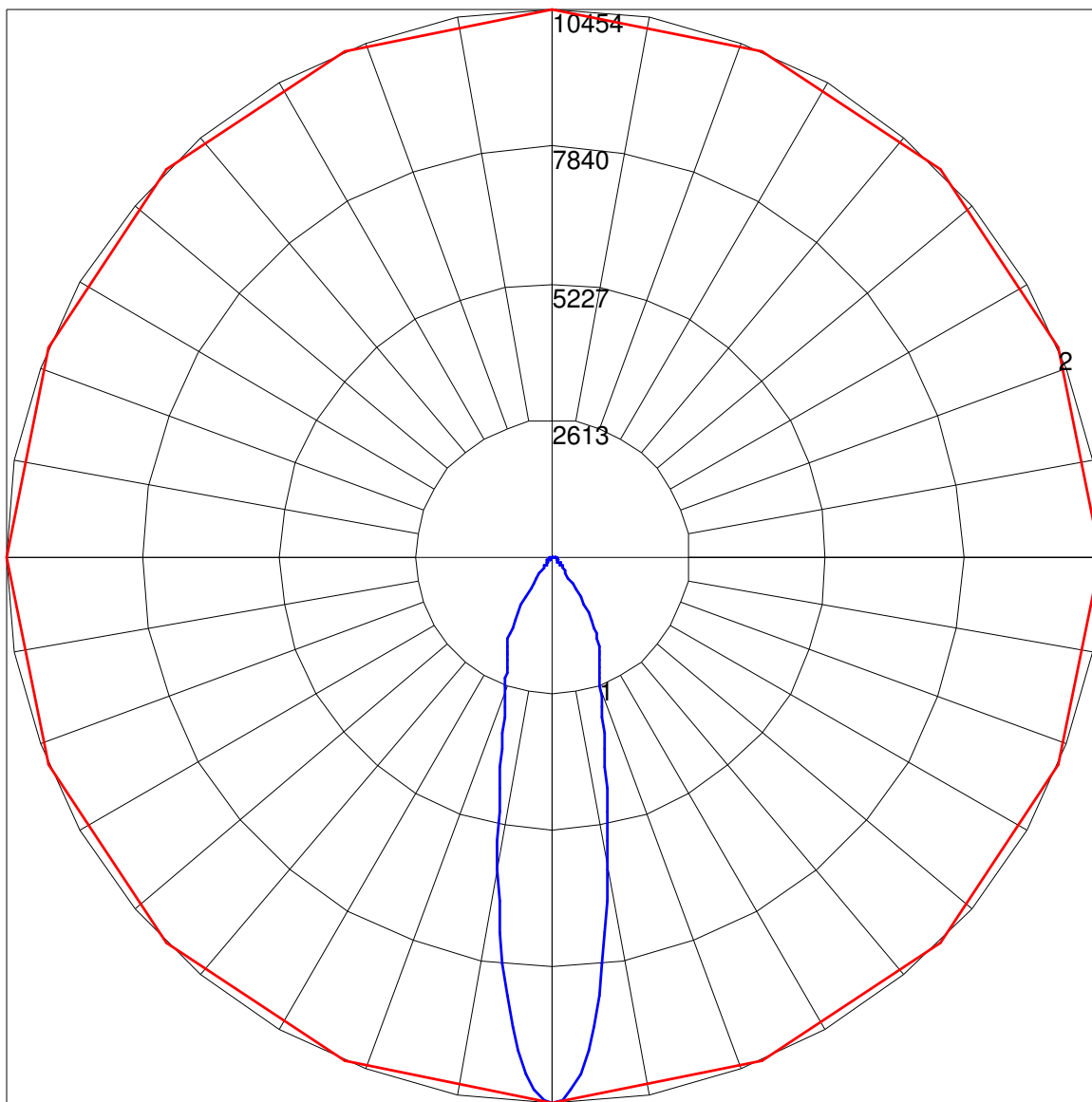
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

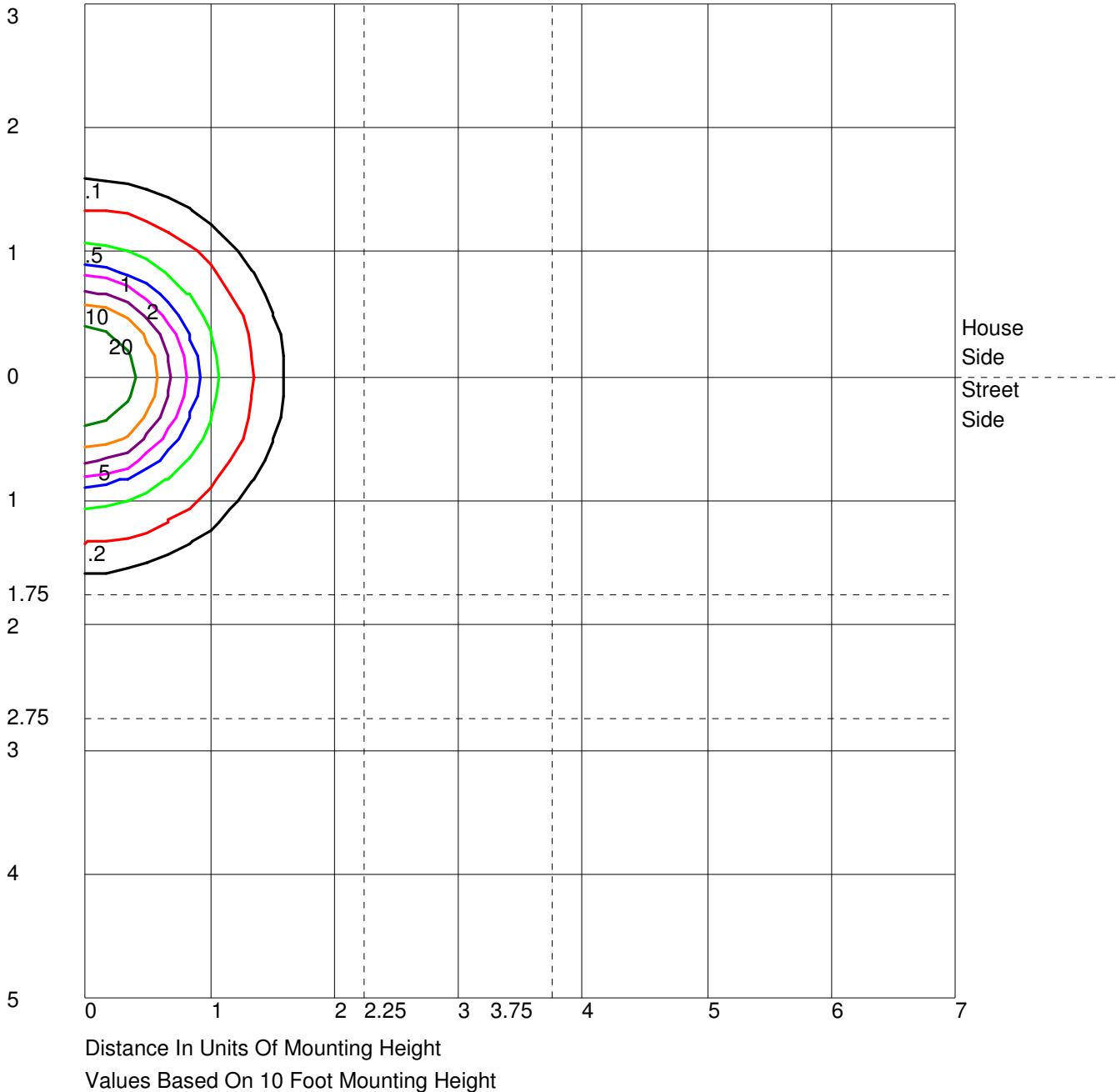
	Lumens	Percent Of Luminaire
Downward Street Side	1773.4	50.0
Downward House Side	1773.4	50.0
Downward Total	3546.8	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3547.2	100.0

POLAR GRAPH



Maximum Candela = 10453.876 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

