

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-850-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-L40-850-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	3583
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10560.553
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10560.553
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.323 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.095 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-850-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1404.8	N.A.	39.2
FM - Front-Medium (30-60)	359.1	N.A.	10.0
FH - Front-High (60-80)	26.5	N.A.	0.7
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1404.8	N.A.	39.2
BM - Back-Medium (30-60)	359.1	N.A.	10.0
BH - Back-High (60-80)	26.5	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	3583.3	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	10560.553	10560.553	10560.553	10560.553	10560.553
1	10492.625	10489.678	10491.500	10491.410	10487.584
2	10307.335	10304.582	10303.302	10303.987	10300.110
3	10010.705	10004.864	10003.713	10005.729	99997.238
4	9602.943	9599.712	9594.336	9595.550	9590.290
5	9093.418	9091.427	9098.161	9098.807	9101.612
6	8517.864	8515.861	8525.929	8538.452	8549.373
7	7897.090	7900.373	7919.474	7940.385	7948.825
8	7252.342	7261.376	7286.138	7316.729	7326.642
9	6623.077	6631.142	6660.918	6700.065	6718.068
10	6024.312	6032.299	6066.729	6106.767	6129.306
11	5467.072	5473.857	5506.581	5548.674	5573.358
12	4958.193	4966.477	4997.301	5038.050	5055.743
13	4504.241	4513.029	4545.572	4589.319	4596.014
14	4104.802	4118.747	4151.069	4178.054	4190.410
15	3767.992	3769.594	3792.392	3822.388	3838.866
16	3453.101	3462.768	3493.656	3521.016	3542.560
17	3196.367	3204.070	3222.809	3250.337	3264.308
18	2977.888	2984.208	3000.764	3025.035	3036.072
19	2794.847	2799.732	2813.962	2832.094	2843.622
20	2642.229	2643.960	2654.752	2668.451	2677.860
21	2509.358	2507.807	2516.686	2527.581	2535.516
22	2396.390	2389.140	2396.791	2404.855	2412.726
23	2295.144	2284.727	2291.047	2296.449	2305.354
24	2199.107	2191.520	2193.394	2197.775	2207.184
25	2111.482	2104.361	2102.526	2105.408	2112.852
26	2024.789	2018.236	2012.847	2015.936	2021.261
27	1937.229	1928.041	1921.656	1922.289	1929.514
28	1840.132	1829.470	1817.980	1818.136	1825.037
29	1724.890	1718.996	1706.047	1706.525	1716.360
30	1603.457	1595.340	1572.155	1576.614	1585.286
31	1452.363	1444.996	1427.084	1426.580	1435.872
32	1282.969	1279.415	1265.083	1270.834	1275.874
33	1103.728	1102.371	1093.065	1102.655	1108.303
34	923.904	925.197	922.366	933.572	938.689
35	755.661	757.367	760.624	774.737	778.045
36	608.057	608.988	618.887	633.892	637.756
37	484.246	490.010	499.380	516.982	516.465
38	387.756	395.329	408.034	417.507	419.510
39	325.993	324.145	335.039	344.332	346.335
40	271.544	275.977	287.130	292.972	298.323
41	239.596	242.207	248.217	252.223	254.407
42	216.915	218.311	222.821	225.354	226.556
43	199.468	200.359	203.965	205.426	206.731
44	184.902	185.794	188.327	189.568	190.085
45	172.069	173.051	175.326	175.933	176.502
46	160.179	161.226	163.139	163.953	164.418
47	148.961	149.930	151.778	152.606	153.058
48	138.376	139.359	141.103	142.060	142.512
49	128.490	129.368	131.010	132.018	132.444
50	119.184	119.895	121.536	122.519	122.958
51	110.487	111.171	112.684	113.692	114.144
52	102.409	102.991	104.412	105.433	105.782

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53	94.861	95.430	96.735	97.769	98.080
54	87.921	88.425	89.576	90.545	90.881
55	81.330	81.744	82.881	83.721	84.109
56	74.920	75.321	76.380	77.169	77.531
57	68.846	69.246	70.229	70.926	71.288
58	63.379	63.728	64.620	65.253	65.615
59	58.339	58.636	59.437	60.032	60.381
60	53.686	53.970	54.720	55.224	55.547
61	49.473	49.705	50.390	50.843	51.075
62	45.621	45.854	46.436	46.849	47.043
63	42.093	42.300	42.843	43.179	43.334
64	38.914	39.017	39.534	39.819	39.909
65	35.980	36.058	36.523	36.743	36.833
66	33.214	33.305	33.667	33.886	33.925
67	30.668	30.759	31.082	31.250	31.289
68	28.316	28.407	28.665	28.807	28.820
69	26.132	26.158	26.416	26.520	26.507
70	24.064	24.090	24.297	24.374	24.349
71	22.113	22.113	22.281	22.345	22.294
72	20.291	20.239	20.381	20.420	20.407
73	18.481	18.442	18.559	18.572	18.533
74	16.736	16.711	16.788	16.814	16.775
75	15.069	15.031	15.082	15.121	15.069
76	13.415	13.376	13.415	13.441	13.415
77	11.774	11.761	11.812	11.812	11.812
78	10.171	10.158	10.210	10.210	10.236
79	8.569	8.556	8.633	8.646	8.659
80	6.966	6.966	7.044	7.095	7.082
81	5.247	5.299	5.338	5.376	5.350
82	3.050	3.128	3.205	3.192	3.218
83	1.525	1.525	1.654	1.719	1.822
84	1.383	1.383	1.396	1.383	1.383
85	1.279	1.279	1.279	1.279	1.279
86	1.137	1.150	1.150	1.137	1.150
87	0.969	0.969	0.982	0.969	0.969
88	0.750	0.763	0.763	0.750	0.750
89	0.504	0.504	0.504	0.504	0.504
90	0.284	0.297	0.310	0.323	0.323
91	0.271	0.284	0.271	0.271	0.258
92	0.284	0.284	0.284	0.284	0.258
93	0.284	0.284	0.284	0.284	0.258
94	0.284	0.297	0.297	0.284	0.271
95	0.297	0.297	0.297	0.284	0.284
96	0.297	0.310	0.310	0.297	0.310
97	0.323	0.323	0.323	0.323	0.323
98	0.336	0.336	0.323	0.336	0.336
99	0.349	0.362	0.349	0.336	0.349
100	0.349	0.362	0.362	0.349	0.349
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

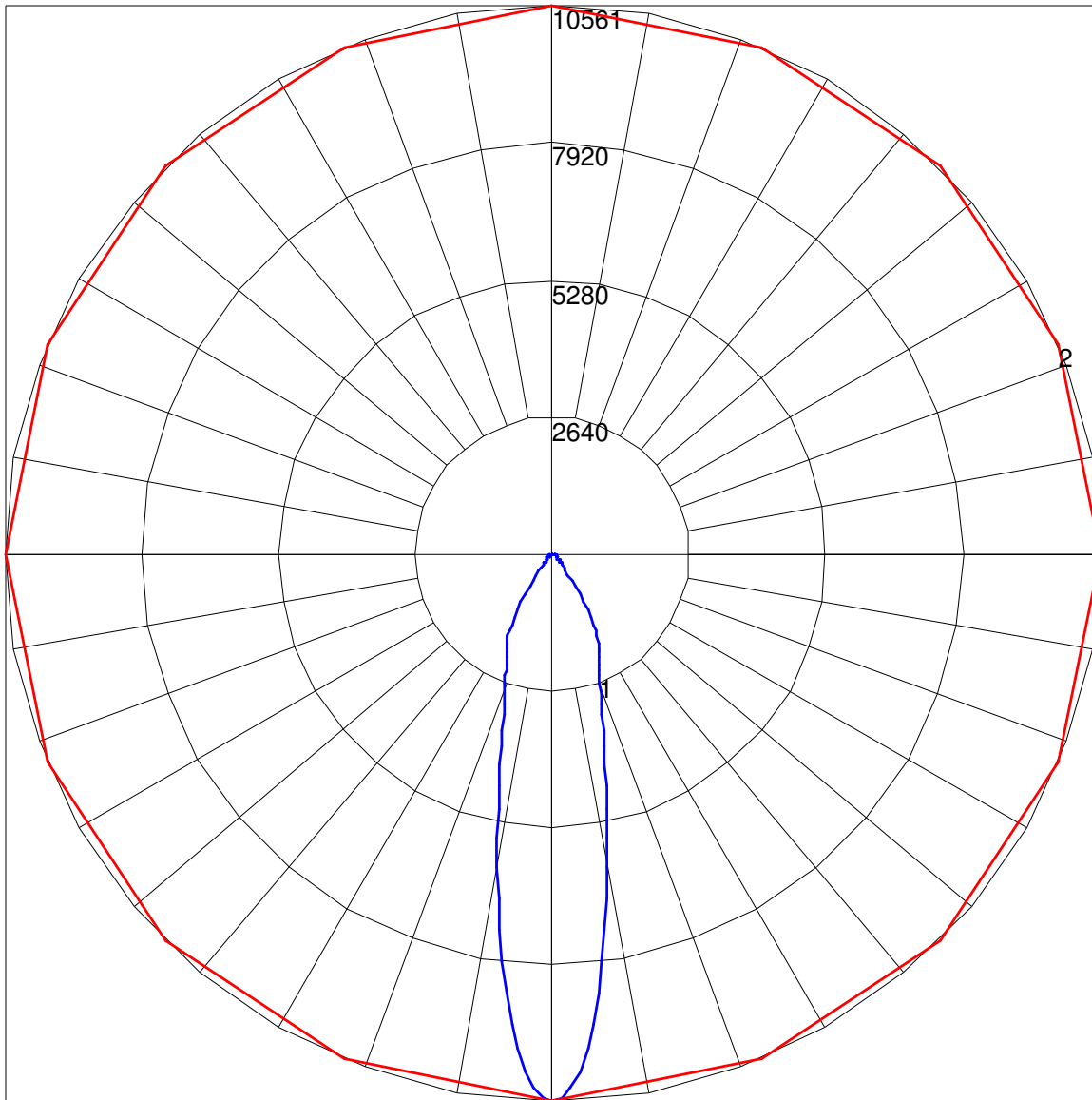
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

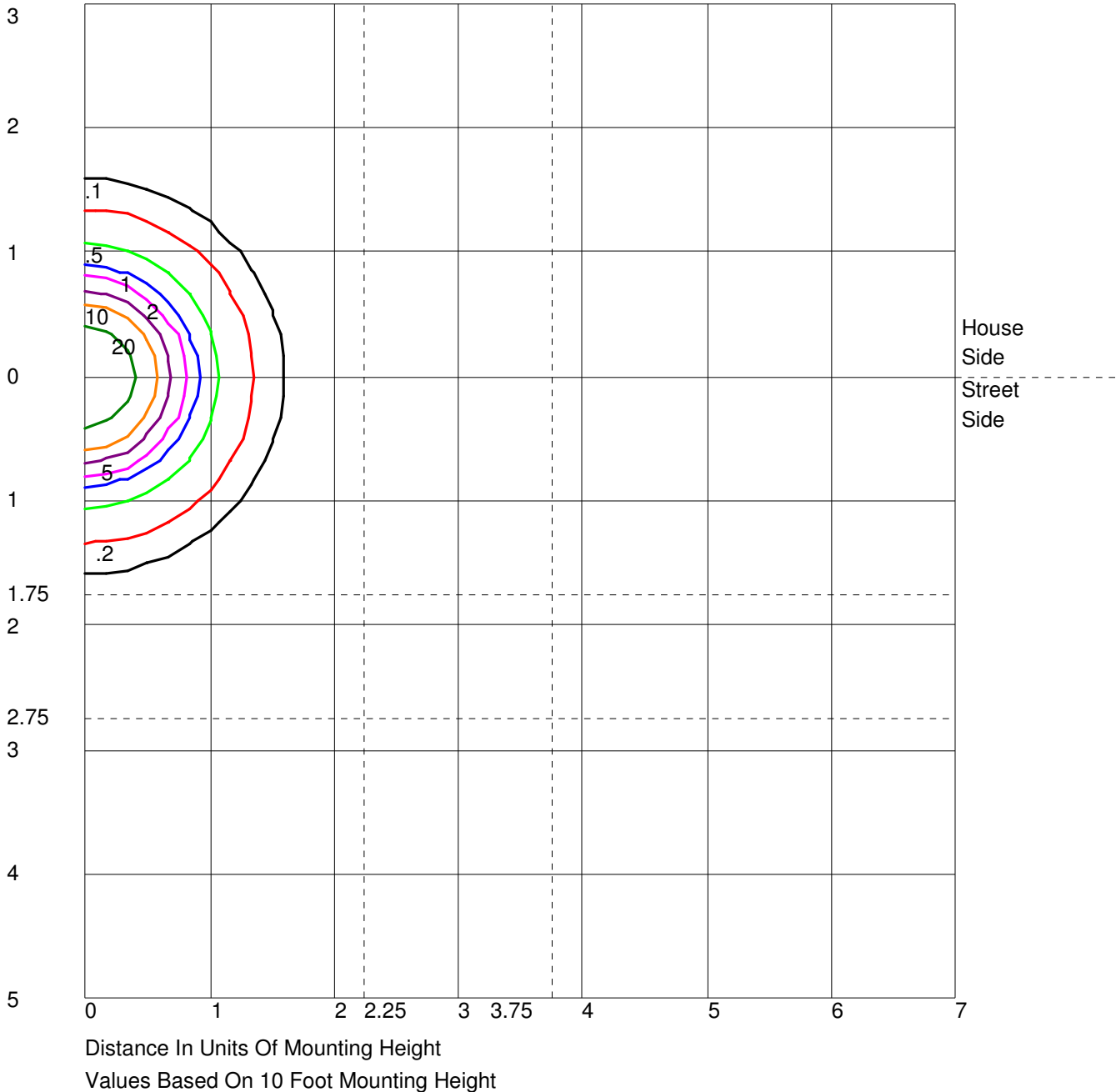
	Lumens	Percent Of Luminaire
Downward Street Side	1791.5	50.0
Downward House Side	1791.5	50.0
Downward Total	3583.0	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3583.4	100.0

POLAR GRAPH



Maximum Candela = 10560.553 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

