

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-840-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-L30-840-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	2780
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8193.515
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	8193.515
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.251 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.505 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1089.9	N.A.	39.2
FM - Front-Medium (30-60)	278.6	N.A.	10.0
FH - Front-High (60-80)	20.6	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1089.9	N.A.	39.2
BM - Back-Medium (30-60)	278.6	N.A.	10.0
BH - Back-High (60-80)	20.6	N.A.	0.7
BVH - Back-Very High (80-90)	0.8	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	2780.1	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	8193.515	8193.515	8193.515	8193.515	8193.515
1	8140.812	8138.526	8139.940	8139.870	8136.902
2	7997.053	7994.917	7993.925	7994.456	7991.448
3	7766.910	7762.378	7761.485	7763.050	7756.462
4	7450.543	7448.037	7443.865	7444.808	7440.727
5	7055.223	7053.679	7058.903	7059.404	7061.580
6	6608.674	6607.120	6614.931	6624.647	6633.120
7	6127.040	6129.587	6144.407	6160.631	6167.179
8	5626.805	5633.814	5653.026	5676.761	5684.451
9	5138.583	5144.840	5167.943	5198.315	5212.283
10	4674.026	4680.222	4706.935	4737.999	4755.486
11	4241.685	4246.949	4272.338	4304.996	4324.148
12	3846.866	3853.293	3877.208	3908.824	3922.551
13	3494.662	3501.481	3526.729	3560.671	3565.865
14	3184.753	3195.572	3220.650	3241.587	3251.173
15	2923.436	2924.679	2942.367	2965.640	2978.425
16	2679.124	2686.624	2710.589	2731.817	2748.532
17	2479.935	2485.911	2500.450	2521.808	2532.647
18	2310.426	2315.329	2328.174	2347.005	2355.568
19	2168.411	2172.202	2183.241	2197.310	2206.254
20	2050.001	2051.344	2059.717	2070.346	2077.646
21	1946.912	1945.708	1952.597	1961.050	1967.206
22	1859.264	1853.639	1859.575	1865.832	1871.939
23	1780.712	1772.630	1777.533	1781.724	1788.633
24	1706.200	1700.314	1701.768	1705.167	1712.467
25	1638.216	1632.691	1631.267	1633.503	1639.279
26	1570.954	1565.870	1561.688	1564.085	1568.216
27	1503.020	1495.890	1490.937	1491.428	1497.033
28	1427.686	1419.413	1410.499	1410.619	1415.974
29	1338.274	1333.701	1323.654	1324.025	1331.656
30	1244.058	1237.761	1219.773	1223.232	1229.960
31	1126.831	1121.116	1107.218	1106.827	1114.036
32	995.405	992.648	981.528	985.990	989.900
33	856.339	855.286	848.066	855.506	859.888
34	716.821	717.824	715.628	724.321	728.292
35	586.287	587.611	590.138	601.088	603.654
36	471.767	472.489	480.170	491.812	494.810
37	375.707	380.179	387.449	401.106	400.705
38	300.845	306.720	316.577	323.927	325.481
39	252.925	251.491	259.944	267.153	268.708
40	210.680	214.120	222.773	227.305	231.457
41	185.893	187.919	192.581	195.690	197.384
42	168.296	169.379	172.878	174.843	175.776
43	154.759	155.451	158.248	159.382	160.394
44	143.458	144.150	146.116	147.078	147.479
45	133.501	134.264	136.028	136.500	136.941
46	124.276	125.089	126.573	127.204	127.565
47	115.573	116.325	117.759	118.401	118.752
48	107.361	108.123	109.476	110.218	110.569
49	99.690	100.372	101.645	102.427	102.758
50	92.470	93.022	94.295	95.057	95.398
51	85.722	86.254	87.427	88.209	88.560
52	79.455	79.906	81.009	81.801	82.072

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-840-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	73.599	74.040	75.053	75.855	76.096
54	68.215	68.606	69.498	70.250	70.511
55	63.101	63.422	64.304	64.956	65.257
56	58.127	58.438	59.260	59.872	60.153
57	53.415	53.725	54.488	55.029	55.310
58	49.173	49.444	50.136	50.627	50.908
59	45.263	45.493	46.115	46.576	46.847
60	41.653	41.873	42.455	42.846	43.097
61	38.384	38.564	39.096	39.447	39.627
62	35.396	35.576	36.028	36.348	36.499
63	32.658	32.819	33.240	33.501	33.621
64	30.192	30.272	30.673	30.894	30.964
65	27.916	27.976	28.337	28.507	28.577
66	25.770	25.840	26.121	26.291	26.321
67	23.794	23.865	24.115	24.246	24.276
68	21.969	22.040	22.240	22.351	22.361
69	20.275	20.295	20.495	20.576	20.566
70	18.671	18.691	18.851	18.911	18.891
71	17.156	17.156	17.287	17.337	17.297
72	15.743	15.703	15.813	15.843	15.833
73	14.339	14.309	14.399	14.409	14.379
74	12.985	12.965	13.025	13.045	13.015
75	11.692	11.662	11.702	11.732	11.692
76	10.408	10.378	10.408	10.428	10.408
77	9.135	9.125	9.165	9.165	9.165
78	7.891	7.881	7.921	7.921	7.942
79	6.648	6.638	6.698	6.708	6.718
80	5.405	5.405	5.465	5.505	5.495
81	4.071	4.111	4.141	4.171	4.151
82	2.366	2.427	2.487	2.477	2.497
83	1.183	1.183	1.283	1.334	1.414
84	1.073	1.073	1.083	1.073	1.073
85	0.993	0.993	0.993	0.993	0.993
86	0.882	0.892	0.892	0.882	0.892
87	0.752	0.752	0.762	0.752	0.752
88	0.582	0.592	0.592	0.582	0.582
89	0.391	0.391	0.391	0.391	0.391
90	0.221	0.231	0.241	0.251	0.251
91	0.211	0.221	0.211	0.211	0.201
92	0.221	0.221	0.221	0.221	0.201
93	0.221	0.221	0.221	0.221	0.201
94	0.221	0.231	0.231	0.221	0.211
95	0.231	0.231	0.231	0.221	0.221
96	0.231	0.241	0.241	0.231	0.241
97	0.251	0.251	0.251	0.251	0.251
98	0.261	0.261	0.251	0.261	0.261
99	0.271	0.281	0.271	0.261	0.271
100	0.271	0.281	0.281	0.271	0.271
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

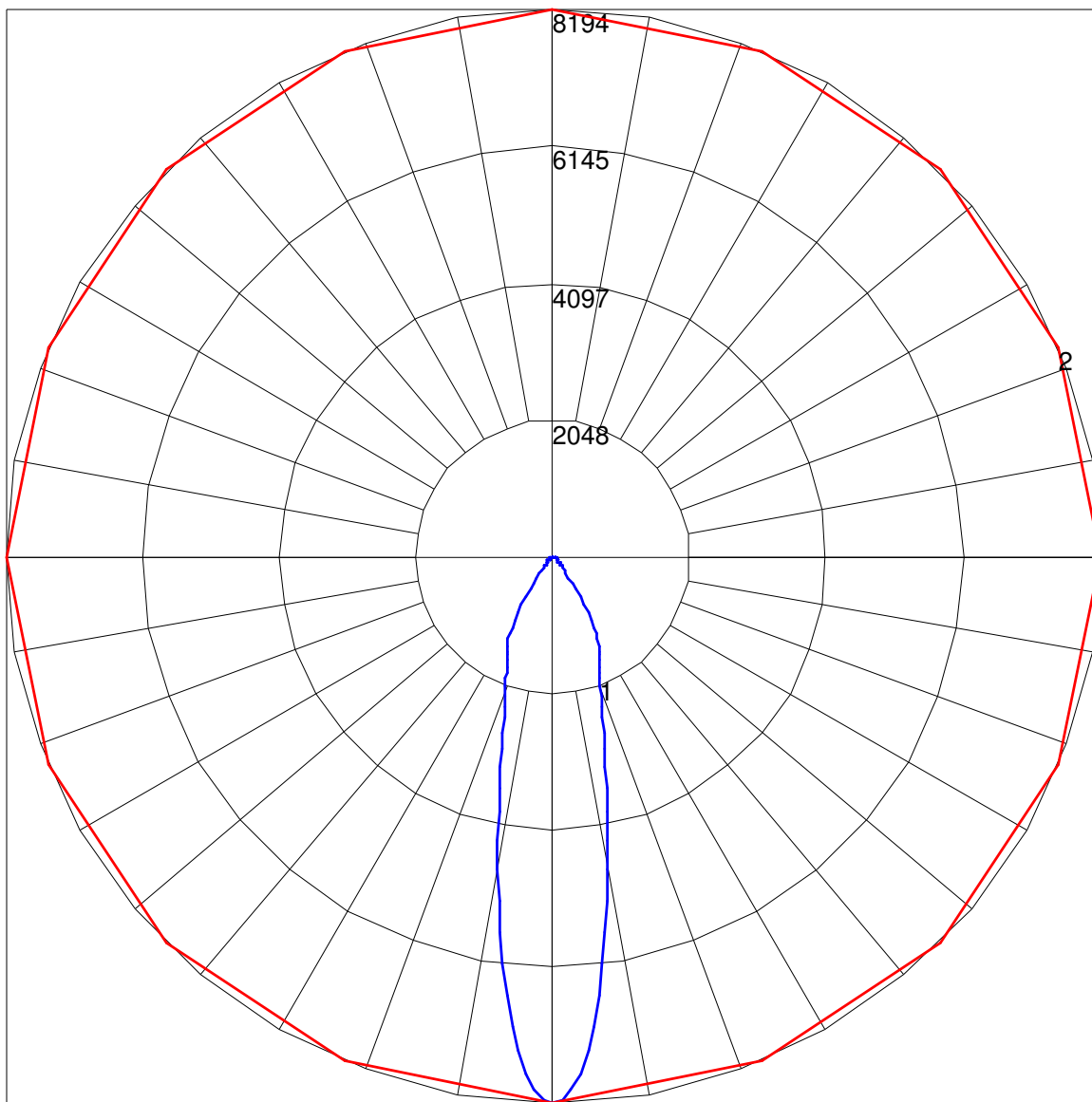
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1390.0	50.0
Downward House Side	1390.0	50.0
Downward Total	2780.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2780.2	100.0

POLAR GRAPH



Maximum Candela = 8193.515 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

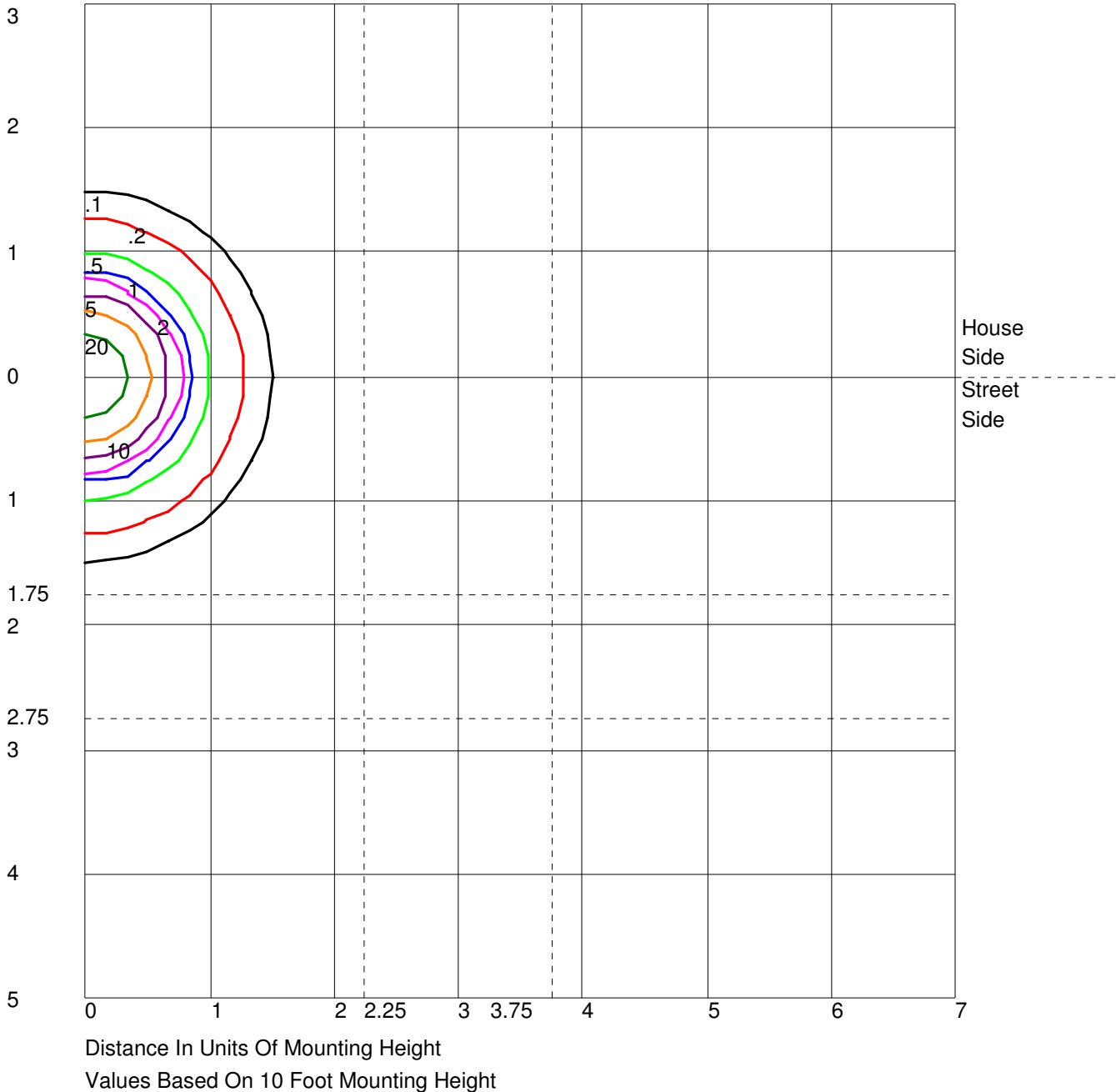


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