

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-935-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-L30-935-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	2670
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7869.023
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7869.023
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.241 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.287 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1046.8	N.A.	39.2
FM - Front-Medium (30-60)	267.6	N.A.	10.0
FH - Front-High (60-80)	19.8	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1046.8	N.A.	39.2
BM - Back-Medium (30-60)	267.6	N.A.	10.0
BH - Back-High (60-80)	19.8	N.A.	0.7
BVH - Back-Very High (80-90)	0.8	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2670.2	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	7869.023	7869.023	7869.023	7869.023	7869.023
1	7818.408	7816.212	7817.570	7817.503	7814.652
2	7680.342	7678.291	7677.337	7677.848	7674.959
3	7459.313	7454.961	7454.104	7455.606	7449.279
4	7155.476	7153.068	7149.062	7149.968	7146.048
5	6775.812	6774.329	6779.346	6779.827	6781.917
6	6346.947	6345.455	6352.957	6362.288	6370.425
7	5884.388	5886.834	5901.067	5916.648	5922.937
8	5403.964	5410.696	5429.147	5451.941	5459.327
9	4935.078	4941.087	4963.274	4992.444	5005.858
10	4488.918	4494.869	4520.524	4550.358	4567.152
11	4073.699	4078.755	4103.139	4134.504	4152.897
12	3694.517	3700.690	3723.657	3754.021	3767.204
13	3356.262	3362.810	3387.058	3419.656	3424.644
14	3058.626	3069.017	3093.101	3113.209	3122.415
15	2807.657	2808.852	2825.839	2848.190	2860.469
16	2573.021	2580.225	2603.241	2623.627	2639.681
17	2381.721	2387.460	2401.424	2421.936	2432.346
18	2218.925	2223.634	2235.970	2254.055	2262.279
19	2082.535	2086.175	2096.777	2110.288	2118.878
20	1968.814	1970.104	1978.145	1988.353	1995.364
21	1869.807	1868.651	1875.267	1883.385	1889.298
22	1785.631	1780.228	1785.929	1791.939	1797.803
23	1710.189	1702.427	1707.136	1711.162	1717.797
24	1638.628	1632.976	1634.372	1637.636	1644.647
25	1573.337	1568.031	1566.663	1568.811	1574.357
26	1508.738	1503.856	1499.840	1502.142	1506.109
27	1443.495	1436.648	1431.891	1432.363	1437.746
28	1371.144	1363.200	1354.638	1354.754	1359.896
29	1285.273	1280.882	1271.233	1271.589	1278.917
30	1194.789	1188.742	1171.465	1174.788	1181.250
31	1082.205	1076.716	1063.368	1062.993	1069.917
32	955.984	953.335	942.656	946.941	950.697
33	822.425	821.414	814.480	821.625	825.834
34	688.432	689.395	687.286	695.636	699.449
35	563.068	564.340	566.766	577.282	579.748
36	453.084	453.777	461.154	472.334	475.214
37	360.828	365.123	372.105	385.221	384.836
38	288.930	294.573	304.040	311.098	312.591
39	242.908	241.531	249.649	256.573	258.066
40	202.337	205.640	213.951	218.303	222.290
41	178.531	180.477	184.955	187.940	189.567
42	161.631	162.671	166.032	167.919	168.815
43	148.630	149.295	151.981	153.069	154.042
44	137.777	138.441	140.329	141.253	141.639
45	128.214	128.946	130.641	131.094	131.517
46	119.355	120.135	121.560	122.167	122.513
47	110.996	111.718	113.095	113.712	114.049
48	103.109	103.841	105.141	105.853	106.190
49	95.742	96.397	97.620	98.371	98.689
50	88.808	89.338	90.561	91.293	91.620
51	82.327	82.838	83.964	84.715	85.053
52	76.308	76.742	77.801	78.562	78.822

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	70.684	71.108	72.081	72.851	73.082
54	65.513	65.889	66.746	67.468	67.718
55	60.602	60.910	61.757	62.383	62.672
56	55.825	56.124	56.914	57.501	57.771
57	51.299	51.598	52.330	52.850	53.119
58	47.226	47.486	48.150	48.622	48.892
59	43.470	43.691	44.289	44.732	44.992
60	40.003	40.215	40.774	41.149	41.390
61	36.864	37.037	37.548	37.885	38.058
62	33.994	34.167	34.601	34.909	35.053
63	31.365	31.519	31.924	32.174	32.290
64	28.996	29.073	29.458	29.670	29.738
65	26.810	26.868	27.214	27.378	27.446
66	24.749	24.817	25.086	25.250	25.279
67	22.852	22.919	23.160	23.285	23.314
68	21.099	21.167	21.359	21.465	21.475
69	19.472	19.491	19.684	19.761	19.751
70	17.931	17.950	18.104	18.162	18.143
71	16.477	16.477	16.602	16.650	16.612
72	15.119	15.081	15.187	15.215	15.206
73	13.771	13.742	13.829	13.838	13.809
74	12.471	12.452	12.509	12.529	12.500
75	11.229	11.200	11.238	11.267	11.229
76	9.996	9.967	9.996	10.015	9.996
77	8.773	8.763	8.802	8.802	8.802
78	7.579	7.569	7.608	7.608	7.627
79	6.385	6.375	6.433	6.442	6.452
80	5.191	5.191	5.248	5.287	5.277
81	3.910	3.948	3.977	4.006	3.987
82	2.273	2.330	2.388	2.379	2.398
83	1.136	1.136	1.233	1.281	1.358
84	1.030	1.030	1.040	1.030	1.030
85	0.953	0.953	0.953	0.953	0.953
86	0.847	0.857	0.857	0.847	0.857
87	0.722	0.722	0.732	0.722	0.722
88	0.559	0.568	0.568	0.559	0.559
89	0.376	0.376	0.376	0.376	0.376
90	0.212	0.221	0.231	0.241	0.241
91	0.202	0.212	0.202	0.202	0.193
92	0.212	0.212	0.212	0.212	0.193
93	0.212	0.212	0.212	0.212	0.193
94	0.212	0.221	0.221	0.212	0.202
95	0.221	0.221	0.221	0.212	0.212
96	0.221	0.231	0.231	0.221	0.231
97	0.241	0.241	0.241	0.241	0.241
98	0.250	0.250	0.241	0.250	0.250
99	0.260	0.270	0.260	0.250	0.260
100	0.260	0.270	0.270	0.260	0.260
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

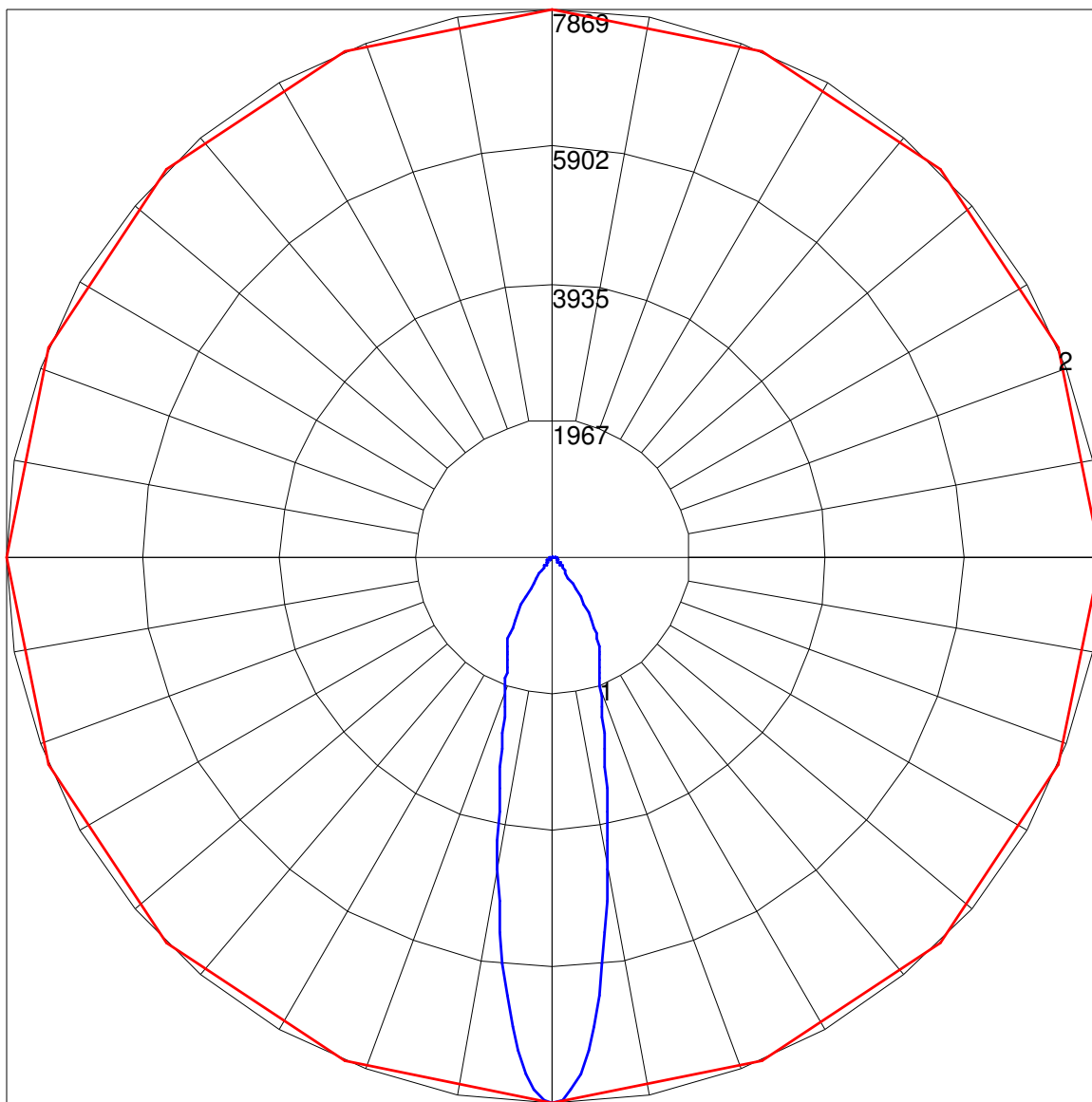
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1334.9	50.0
Downward House Side	1334.9	50.0
Downward Total	2669.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2670.0	100.0

POLAR GRAPH



Maximum Candela = 7869.023 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

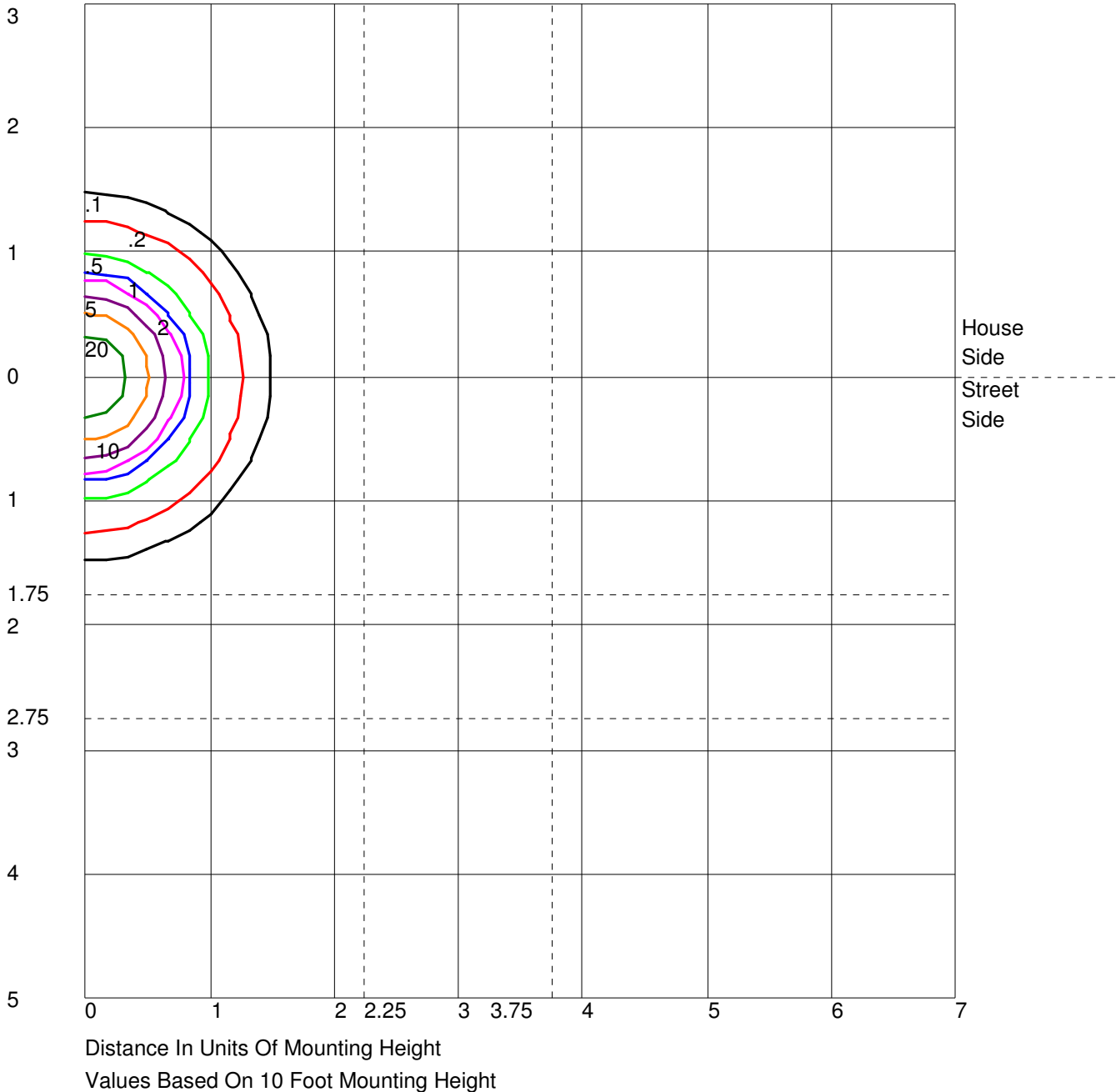


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