

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-935-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-L40-935-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	3511
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10347.208
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10347.208
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.317 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.952 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1376.4	N.A.	39.2
FM - Front-Medium (30-60)	351.9	N.A.	10.0
FH - Front-High (60-80)	26.0	N.A.	0.7
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1376.4	N.A.	39.2
BM - Back-Medium (30-60)	351.9	N.A.	10.0
BH - Back-High (60-80)	26.0	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	3511.1	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	10347.208	10347.208	10347.208	10347.208	10347.208
1	10280.652	10277.765	10279.550	10279.462	10275.714
2	10099.105	10096.408	10095.154	10095.825	10092.027
3	9808.468	9802.745	9801.618	9803.593	9795.273
4	9408.944	9405.778	9400.510	9401.700	9396.547
5	8909.712	8907.762	8914.359	8914.992	8917.740
6	8345.786	8343.823	8353.687	8365.958	8376.658
7	7737.553	7740.769	7759.485	7779.973	7788.242
8	7105.830	7114.681	7138.943	7168.916	7178.628
9	6489.277	6497.179	6526.354	6564.710	6582.349
10	5902.609	5910.434	5944.168	5983.398	6005.481
11	5356.626	5363.274	5395.336	5436.579	5460.765
12	4858.027	4866.144	4896.345	4936.271	4953.606
13	4413.246	4421.857	4453.742	4496.605	4503.165
14	4021.876	4035.539	4067.209	4093.649	4105.755
15	3691.870	3693.441	3715.778	3745.168	3761.313
16	3383.341	3392.813	3423.077	3449.884	3470.993
17	3131.794	3139.341	3157.702	3184.674	3198.362
18	2917.729	2923.921	2940.142	2963.923	2974.737
19	2738.385	2743.172	2757.114	2774.880	2786.175
20	2588.850	2590.547	2601.120	2614.543	2623.762
21	2458.664	2457.144	2465.844	2476.518	2484.293
22	2347.978	2340.874	2348.371	2356.272	2363.984
23	2248.777	2238.571	2244.763	2250.056	2258.781
24	2154.680	2147.247	2149.083	2153.376	2162.594
25	2068.826	2061.849	2060.051	2062.875	2070.168
26	1983.884	1977.464	1972.184	1975.210	1980.427
27	1898.093	1889.090	1882.835	1883.455	1890.534
28	1802.958	1792.511	1781.254	1781.405	1788.167
29	1690.043	1684.269	1671.581	1672.049	1681.686
30	1571.063	1563.111	1540.394	1544.763	1553.259
31	1423.022	1415.805	1398.254	1397.760	1406.865
32	1257.051	1253.568	1239.525	1245.160	1250.099
33	1081.430	1080.101	1070.983	1080.379	1085.913
34	905.240	906.506	903.733	914.711	919.726
35	740.395	742.067	745.258	759.085	762.327
36	595.773	596.685	606.384	621.086	624.872
37	474.463	480.111	489.291	506.538	506.032
38	379.923	387.343	399.791	409.072	411.035
39	319.407	317.596	328.271	337.376	339.338
40	266.059	270.402	281.330	287.053	292.296
41	234.756	237.314	243.202	247.128	249.268
42	212.533	213.900	218.320	220.802	221.979
43	195.438	196.312	199.845	201.276	202.554
44	181.167	182.041	184.523	185.738	186.245
45	168.593	169.555	171.784	172.379	172.936
46	156.943	157.969	159.843	160.641	161.096
47	145.952	146.901	148.712	149.523	149.966
48	135.581	136.543	138.253	139.190	139.633
49	125.894	126.755	128.363	129.351	129.769
50	116.777	117.473	119.081	120.044	120.474
51	108.254	108.926	110.407	111.395	111.838
52	100.340	100.910	102.303	103.303	103.645

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	92.945	93.502	94.781	95.794	96.098
54	86.145	86.639	87.766	88.716	89.045
55	79.687	80.092	81.207	82.030	82.410
56	73.406	73.799	74.837	75.610	75.964
57	67.455	67.847	68.810	69.494	69.848
58	62.098	62.440	63.314	63.935	64.289
59	57.160	57.451	58.236	58.819	59.161
60	52.601	52.880	53.614	54.108	54.425
61	48.473	48.701	49.372	49.816	50.043
62	44.700	44.928	45.498	45.903	46.093
63	41.243	41.445	41.977	42.306	42.458
64	38.128	38.229	38.736	39.014	39.103
65	35.253	35.329	35.785	36.000	36.089
66	32.543	32.632	32.987	33.202	33.240
67	30.049	30.138	30.454	30.619	30.657
68	27.744	27.833	28.086	28.225	28.238
69	25.604	25.630	25.883	25.984	25.971
70	23.578	23.603	23.806	23.882	23.857
71	21.666	21.666	21.831	21.894	21.843
72	19.881	19.830	19.969	20.007	19.995
73	18.108	18.070	18.184	18.196	18.158
74	16.398	16.373	16.449	16.474	16.436
75	14.765	14.727	14.778	14.815	14.765
76	13.144	13.106	13.144	13.169	13.144
77	11.536	11.523	11.574	11.574	11.574
78	9.966	9.953	10.004	10.004	10.029
79	8.395	8.383	8.459	8.471	8.484
80	6.825	6.825	6.901	6.952	6.939
81	5.141	5.192	5.230	5.268	5.242
82	2.988	3.064	3.140	3.128	3.153
83	1.494	1.494	1.621	1.684	1.785
84	1.355	1.355	1.368	1.355	1.355
85	1.254	1.254	1.254	1.254	1.254
86	1.114	1.127	1.127	1.114	1.127
87	0.950	0.950	0.962	0.950	0.950
88	0.734	0.747	0.747	0.734	0.734
89	0.494	0.494	0.494	0.494	0.494
90	0.279	0.291	0.304	0.317	0.317
91	0.266	0.279	0.266	0.266	0.253
92	0.279	0.279	0.279	0.279	0.253
93	0.279	0.279	0.279	0.279	0.253
94	0.279	0.291	0.291	0.279	0.266
95	0.291	0.291	0.291	0.279	0.279
96	0.291	0.304	0.304	0.291	0.304
97	0.317	0.317	0.317	0.317	0.317
98	0.329	0.329	0.317	0.329	0.329
99	0.342	0.355	0.342	0.329	0.342
100	0.342	0.355	0.355	0.342	0.342
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

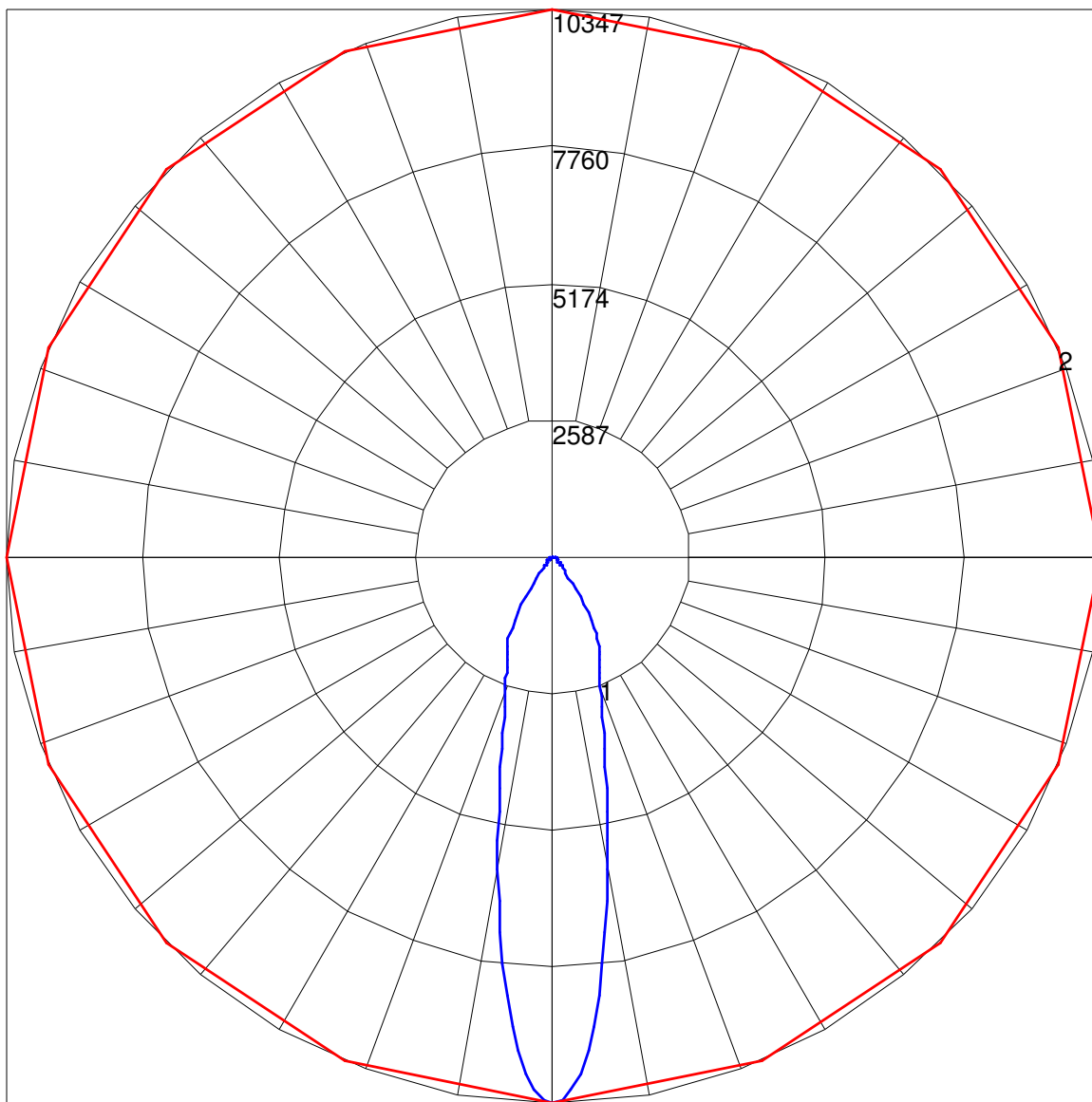
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1755.3	50.0
Downward House Side	1755.3	50.0
Downward Total	3510.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3511.0	100.0

POLAR GRAPH



Maximum Candela = 10347.208 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

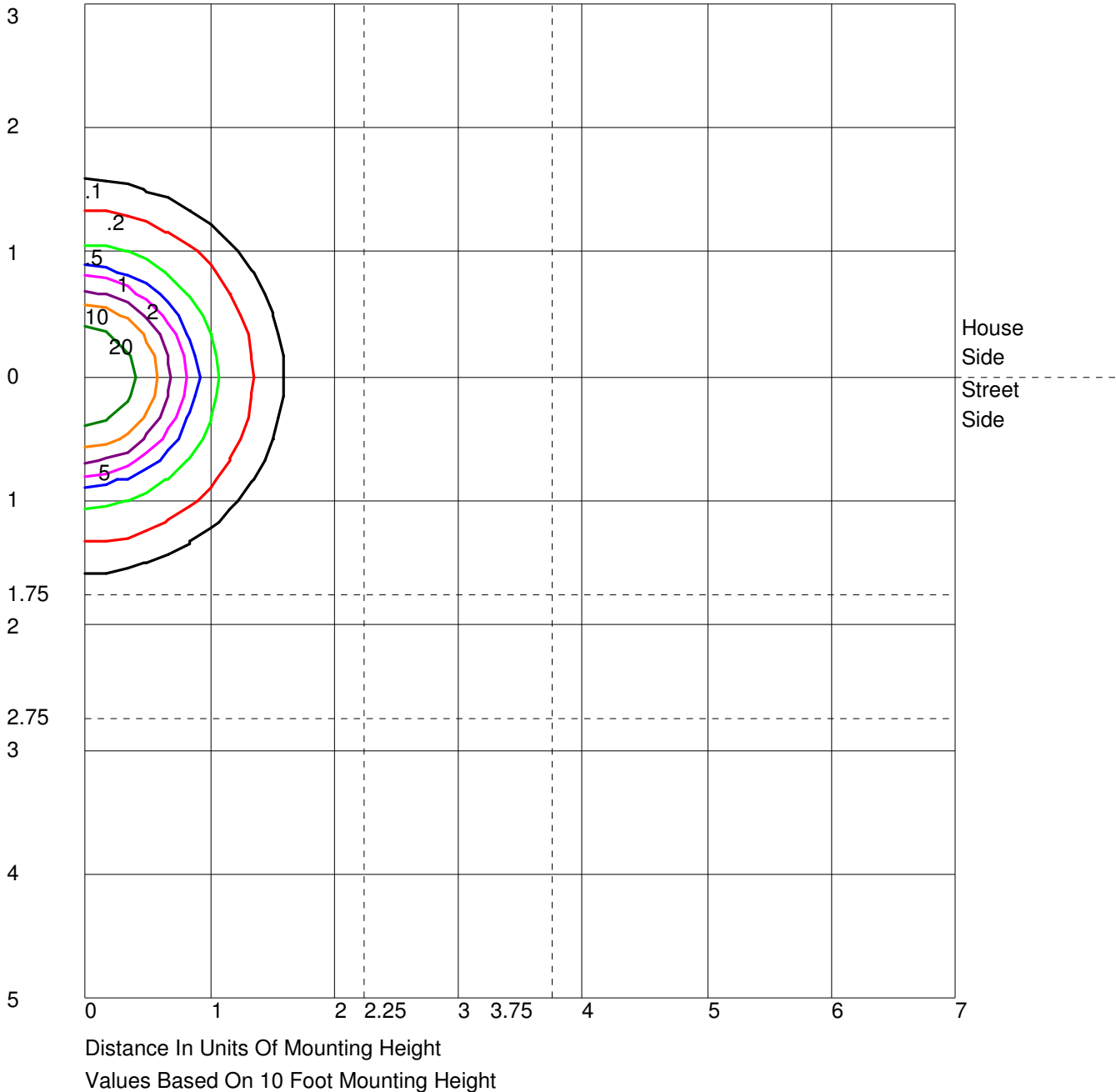


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