

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-950-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-L30-950-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	2615
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7706.775
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7706.775
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.236 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.178 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1025.2	N.A.	39.2
FM - Front-Medium (30-60)	262.1	N.A.	10.0
FH - Front-High (60-80)	19.3	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1025.2	N.A.	39.2
BM - Back-Medium (30-60)	262.1	N.A.	10.0
BH - Back-High (60-80)	19.3	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	2615.0	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	7706.775	7706.775	7706.775	7706.775	7706.775
1	7657.203	7655.053	7656.383	7656.317	7653.525
2	7521.984	7519.975	7519.041	7519.541	7516.712
3	7305.513	7301.250	7300.410	7301.882	7295.685
4	7007.940	7005.582	7001.659	7002.545	6998.707
5	6636.104	6634.651	6639.565	6640.037	6642.083
6	6216.082	6214.620	6221.968	6231.107	6239.076
7	5763.060	5765.455	5779.395	5794.655	5800.814
8	5292.542	5299.135	5317.205	5339.530	5346.764
9	4833.323	4839.209	4860.939	4889.507	4902.645
10	4396.363	4402.191	4427.317	4456.536	4472.984
11	3989.705	3994.657	4018.538	4049.256	4067.270
12	3618.341	3624.386	3646.881	3676.618	3689.530
13	3287.060	3293.473	3317.222	3349.148	3354.033
14	2995.561	3005.738	3029.326	3049.019	3058.035
15	2749.767	2750.937	2767.574	2789.465	2801.490
16	2519.969	2527.024	2549.565	2569.532	2585.254
17	2332.613	2338.234	2351.910	2371.999	2382.194
18	2173.174	2177.786	2189.868	2207.580	2215.634
19	2039.596	2043.161	2053.545	2066.777	2075.190
20	1928.219	1929.483	1937.358	1947.356	1954.222
21	1831.254	1830.122	1836.602	1844.553	1850.344
22	1748.814	1743.523	1749.106	1754.991	1760.735
23	1674.927	1667.326	1671.938	1675.880	1682.378
24	1604.842	1599.306	1600.673	1603.871	1610.737
25	1540.897	1535.700	1534.361	1536.464	1541.896
26	1477.630	1472.849	1468.916	1471.170	1475.055
27	1413.732	1407.026	1402.367	1402.829	1408.101
28	1342.873	1335.092	1326.708	1326.821	1331.857
29	1258.773	1254.472	1245.022	1245.371	1252.548
30	1170.155	1164.232	1147.311	1150.565	1156.894
31	1059.891	1054.515	1041.443	1041.075	1047.857
32	936.273	933.679	923.219	927.416	931.095
33	805.467	804.477	797.686	804.685	808.806
34	674.238	675.181	673.115	681.293	685.027
35	551.459	552.704	555.080	565.380	567.794
36	443.742	444.421	451.645	462.595	465.415
37	353.388	357.595	364.432	377.278	376.901
38	282.973	288.500	297.771	304.684	306.146
39	237.900	236.551	244.502	251.283	252.745
40	198.165	201.400	209.539	213.802	217.707
41	174.850	176.755	181.141	184.065	185.659
42	158.298	159.317	162.608	164.457	165.334
43	145.565	146.216	148.848	149.913	150.866
44	134.936	135.587	137.436	138.341	138.718
45	125.571	126.288	127.947	128.391	128.806
46	116.894	117.658	119.054	119.648	119.987
47	108.707	109.415	110.763	111.367	111.697
48	100.983	101.700	102.973	103.671	104.001
49	93.768	94.409	95.607	96.343	96.654
50	86.977	87.496	88.694	89.410	89.731
51	80.630	81.130	82.233	82.969	83.299
52	74.735	75.159	76.197	76.942	77.197

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-950-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	69.227	69.642	70.595	71.349	71.576
54	64.162	64.530	65.370	66.077	66.322
55	59.352	59.654	60.484	61.097	61.380
56	54.674	54.967	55.740	56.315	56.579
57	50.242	50.534	51.251	51.760	52.024
58	46.252	46.507	47.157	47.620	47.884
59	42.574	42.791	43.375	43.809	44.064
60	39.178	39.386	39.933	40.301	40.537
61	36.104	36.273	36.773	37.103	37.273
62	33.293	33.463	33.887	34.189	34.331
63	30.718	30.869	31.265	31.511	31.624
64	28.398	28.474	28.851	29.058	29.124
65	26.257	26.314	26.653	26.814	26.880
66	24.239	24.305	24.569	24.729	24.758
67	22.381	22.447	22.683	22.805	22.834
68	20.664	20.730	20.919	21.023	21.032
69	19.070	19.089	19.278	19.353	19.344
70	17.561	17.580	17.731	17.788	17.769
71	16.137	16.137	16.260	16.307	16.269
72	14.807	14.770	14.873	14.902	14.892
73	13.487	13.459	13.544	13.553	13.525
74	12.214	12.195	12.251	12.270	12.242
75	10.997	10.969	11.007	11.035	10.997
76	9.790	9.762	9.790	9.809	9.790
77	8.592	8.583	8.620	8.620	8.620
78	7.423	7.413	7.451	7.451	7.470
79	6.253	6.244	6.300	6.310	6.319
80	5.084	5.084	5.140	5.178	5.168
81	3.829	3.867	3.895	3.923	3.905
82	2.226	2.282	2.339	2.330	2.348
83	1.113	1.113	1.207	1.254	1.330
84	1.009	1.009	1.019	1.009	1.009
85	0.934	0.934	0.934	0.934	0.934
86	0.830	0.839	0.839	0.830	0.839
87	0.707	0.707	0.717	0.707	0.707
88	0.547	0.556	0.556	0.547	0.547
89	0.368	0.368	0.368	0.368	0.368
90	0.207	0.217	0.226	0.236	0.236
91	0.198	0.207	0.198	0.198	0.189
92	0.207	0.207	0.207	0.207	0.189
93	0.207	0.207	0.207	0.207	0.189
94	0.207	0.217	0.217	0.207	0.198
95	0.217	0.217	0.217	0.207	0.207
96	0.217	0.226	0.226	0.217	0.226
97	0.236	0.236	0.236	0.236	0.236
98	0.245	0.245	0.236	0.245	0.245
99	0.255	0.264	0.255	0.245	0.255
100	0.255	0.264	0.264	0.255	0.255
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

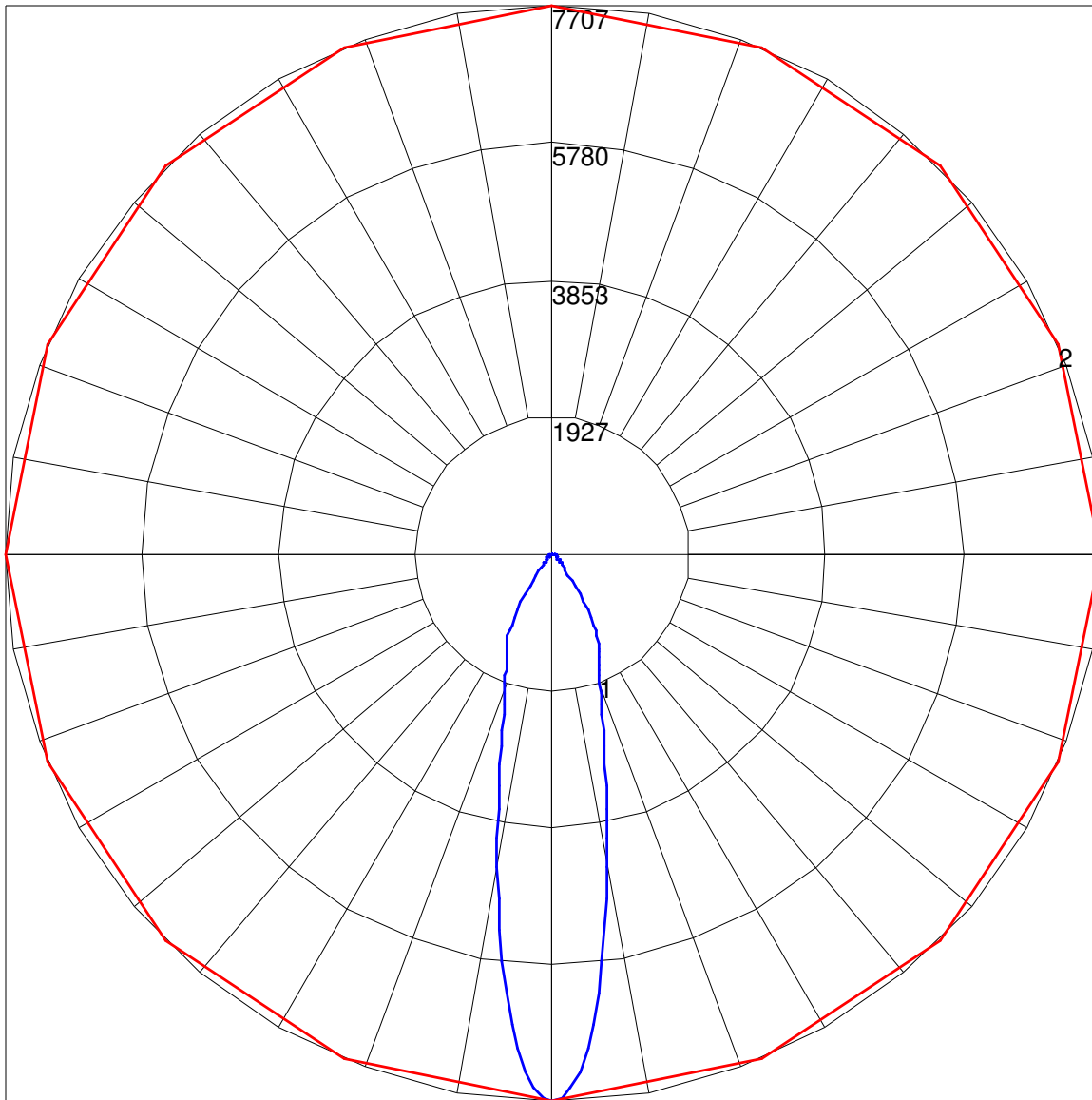
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1307.4	50.0
Downward House Side	1307.4	50.0
Downward Total	2614.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2615.0	100.0

POLAR GRAPH



Maximum Candela = 7706.775 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

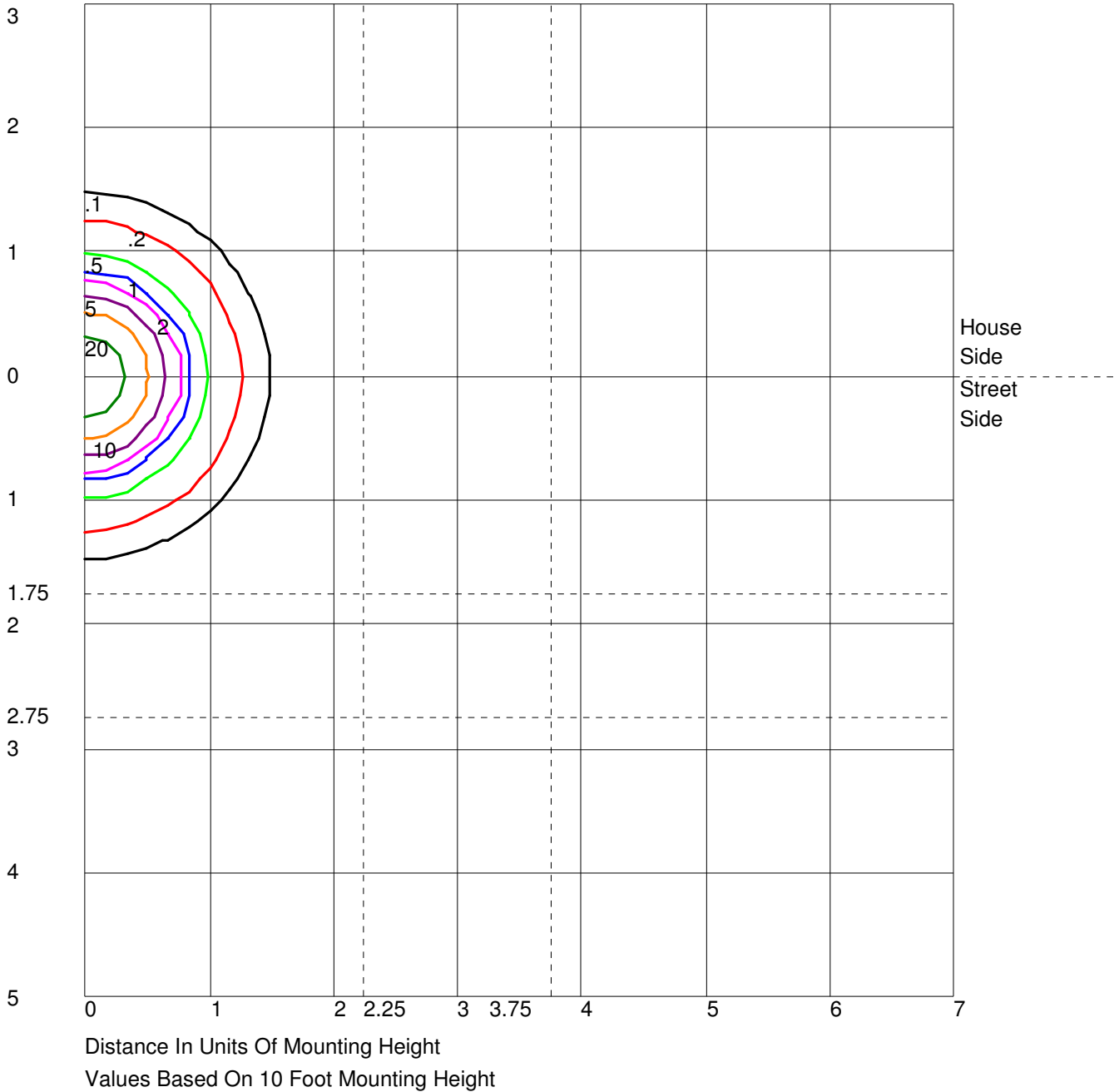


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