

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-930-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-L40-930-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	3475
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10240.539
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10240.539
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.313 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.88 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1362.2	N.A.	39.2
FM - Front-Medium (30-60)	348.3	N.A.	10.0
FH - Front-High (60-80)	25.7	N.A.	0.7
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1362.2	N.A.	39.2
BM - Back-Medium (30-60)	348.3	N.A.	10.0
BH - Back-High (60-80)	25.7	N.A.	0.7
BVH - Back-Very High (80-90)	1.0	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	3474.7	N.A.	100.0
BUG Rating	B3-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	10240.539	10240.539	10240.539	10240.539	10240.539
1	10174.669	10171.812	10173.579	10173.491	10169.782
2	9994.994	9992.325	9991.084	9991.748	9987.989
3	9707.353	9701.689	9700.573	9702.528	9694.295
4	9311.947	9308.814	9303.601	9304.779	9299.678
5	8817.862	8815.932	8822.462	8823.088	8825.808
6	8259.750	8257.807	8267.570	8279.714	8290.303
7	7657.787	7660.970	7679.493	7699.770	7707.953
8	7032.576	7041.336	7065.348	7095.012	7104.624
9	6422.380	6430.200	6459.074	6497.034	6514.492
10	5841.759	5849.504	5882.890	5921.715	5943.571
11	5301.405	5307.984	5339.716	5380.534	5404.470
12	4807.946	4815.980	4845.869	4885.383	4902.540
13	4367.750	4376.272	4407.828	4450.250	4456.742
14	3980.415	3993.937	4025.280	4051.448	4063.429
15	3653.811	3655.365	3677.472	3706.560	3722.538
16	3348.462	3357.836	3387.788	3414.319	3435.211
17	3099.508	3106.978	3125.149	3151.843	3165.391
18	2887.650	2893.779	2909.832	2933.368	2944.071
19	2710.156	2714.893	2728.691	2746.274	2757.452
20	2562.162	2563.841	2574.306	2587.590	2596.713
21	2433.318	2431.814	2440.423	2450.988	2458.683
22	2323.773	2316.742	2324.161	2331.982	2339.614
23	2225.595	2215.494	2221.622	2226.861	2235.495
24	2132.468	2125.111	2126.928	2131.177	2140.300
25	2047.499	2040.593	2038.814	2041.609	2048.827
26	1963.432	1957.078	1951.852	1954.848	1960.011
27	1878.526	1869.616	1863.425	1864.039	1871.044
28	1784.371	1774.032	1762.891	1763.041	1769.733
29	1672.621	1666.906	1654.349	1654.812	1664.349
30	1554.867	1546.997	1524.514	1528.838	1537.247
31	1408.353	1401.209	1383.839	1383.351	1392.361
32	1244.092	1240.646	1226.747	1232.324	1237.212
33	1070.282	1068.966	1059.943	1069.242	1074.718
34	895.908	897.161	894.416	905.282	910.245
35	732.762	734.417	737.575	751.260	754.468
36	589.631	590.534	600.133	614.683	618.430
37	469.572	475.161	484.247	501.316	500.815
38	376.006	383.350	395.669	404.855	406.798
39	316.114	314.322	324.887	333.898	335.840
40	263.316	267.614	278.430	284.094	289.283
41	232.336	234.867	240.695	244.580	246.698
42	210.342	211.695	216.069	218.525	219.691
43	193.423	194.288	197.784	199.201	200.466
44	179.299	180.164	182.620	183.823	184.325
45	166.855	167.807	170.013	170.602	171.153
46	155.325	156.340	158.195	158.984	159.436
47	144.447	145.387	147.179	147.981	148.420
48	134.183	135.136	136.827	137.755	138.193
49	124.596	125.448	127.040	128.017	128.431
50	115.573	116.262	117.854	118.806	119.232
51	107.138	107.803	109.269	110.246	110.685
52	99.306	99.870	101.248	102.238	102.577

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	91.987	92.538	93.804	94.807	95.107
54	85.257	85.746	86.861	87.801	88.127
55	78.866	79.267	80.370	81.184	81.560
56	72.650	73.038	74.066	74.830	75.181
57	66.759	67.148	68.100	68.777	69.128
58	61.458	61.797	62.661	63.275	63.626
59	56.571	56.859	57.636	58.212	58.551
60	52.059	52.335	53.062	53.550	53.864
61	47.974	48.199	48.863	49.302	49.528
62	44.239	44.465	45.028	45.430	45.617
63	40.818	41.018	41.545	41.870	42.021
64	37.735	37.835	38.336	38.612	38.700
65	34.890	34.965	35.416	35.629	35.717
66	32.208	32.296	32.647	32.860	32.897
67	29.739	29.827	30.140	30.303	30.341
68	27.458	27.546	27.797	27.934	27.947
69	25.340	25.365	25.616	25.716	25.704
70	23.335	23.360	23.561	23.636	23.611
71	21.443	21.443	21.606	21.668	21.618
72	19.676	19.626	19.763	19.801	19.788
73	17.921	17.884	17.996	18.009	17.971
74	16.229	16.204	16.279	16.304	16.267
75	14.613	14.575	14.625	14.663	14.613
76	13.009	12.971	13.009	13.034	13.009
77	11.417	11.404	11.455	11.455	11.455
78	9.863	9.850	9.901	9.901	9.926
79	8.309	8.296	8.372	8.384	8.397
80	6.755	6.755	6.830	6.880	6.868
81	5.088	5.138	5.176	5.213	5.188
82	2.958	3.033	3.108	3.095	3.121
83	1.479	1.479	1.604	1.667	1.767
84	1.341	1.341	1.353	1.341	1.341
85	1.241	1.241	1.241	1.241	1.241
86	1.103	1.115	1.115	1.103	1.115
87	0.940	0.940	0.952	0.940	0.940
88	0.727	0.739	0.739	0.727	0.727
89	0.489	0.489	0.489	0.489	0.489
90	0.276	0.288	0.301	0.313	0.313
91	0.263	0.276	0.263	0.263	0.251
92	0.276	0.276	0.276	0.276	0.251
93	0.276	0.276	0.276	0.276	0.251
94	0.276	0.288	0.288	0.276	0.263
95	0.288	0.288	0.288	0.276	0.276
96	0.288	0.301	0.301	0.288	0.301
97	0.313	0.313	0.313	0.313	0.313
98	0.326	0.326	0.313	0.326	0.326
99	0.338	0.351	0.338	0.326	0.338
100	0.338	0.351	0.351	0.338	0.338
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

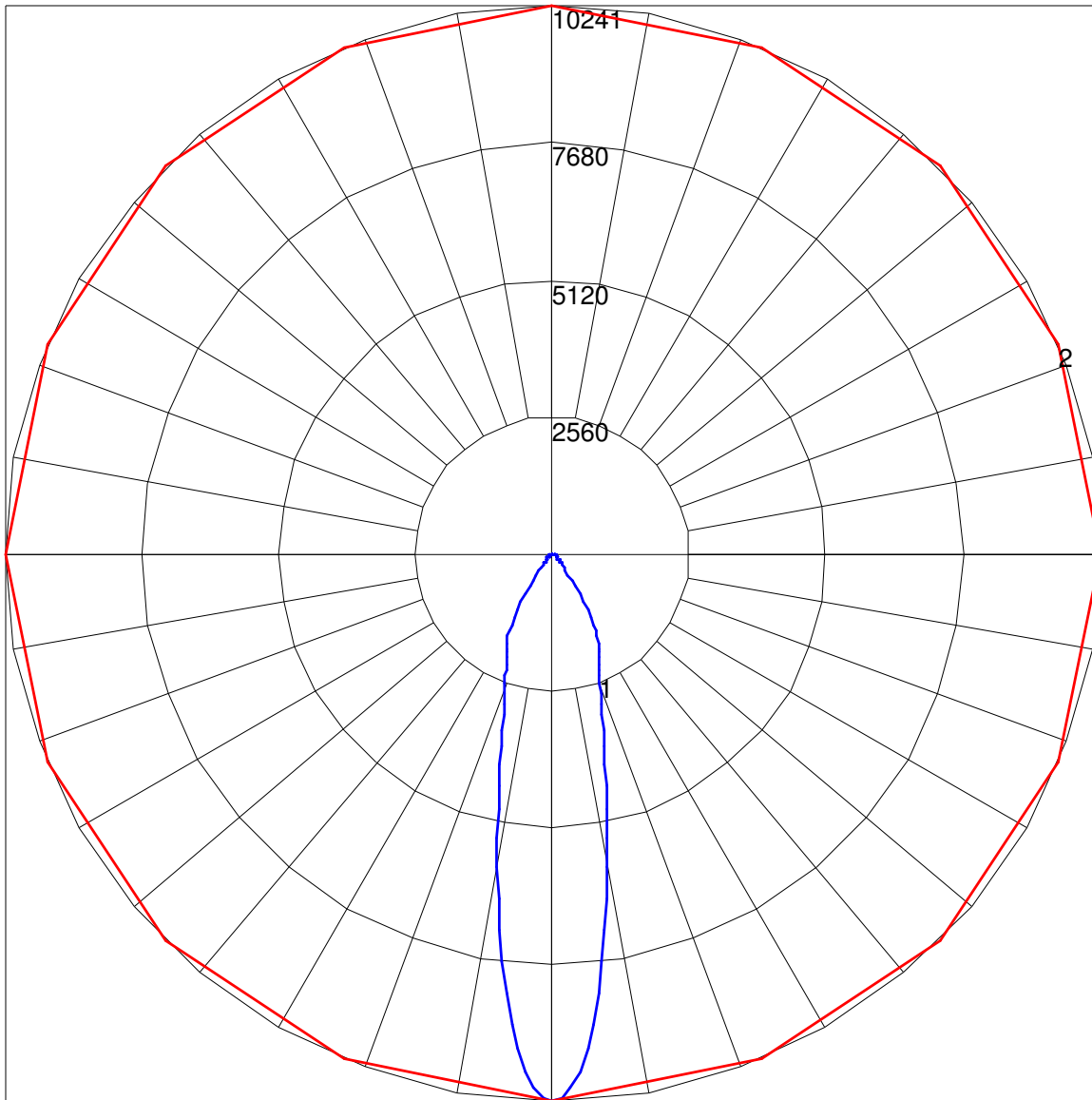
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1737.2	50.0
Downward House Side	1737.2	50.0
Downward Total	3474.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3474.8	100.0

POLAR GRAPH



Maximum Candela = 10240.539 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

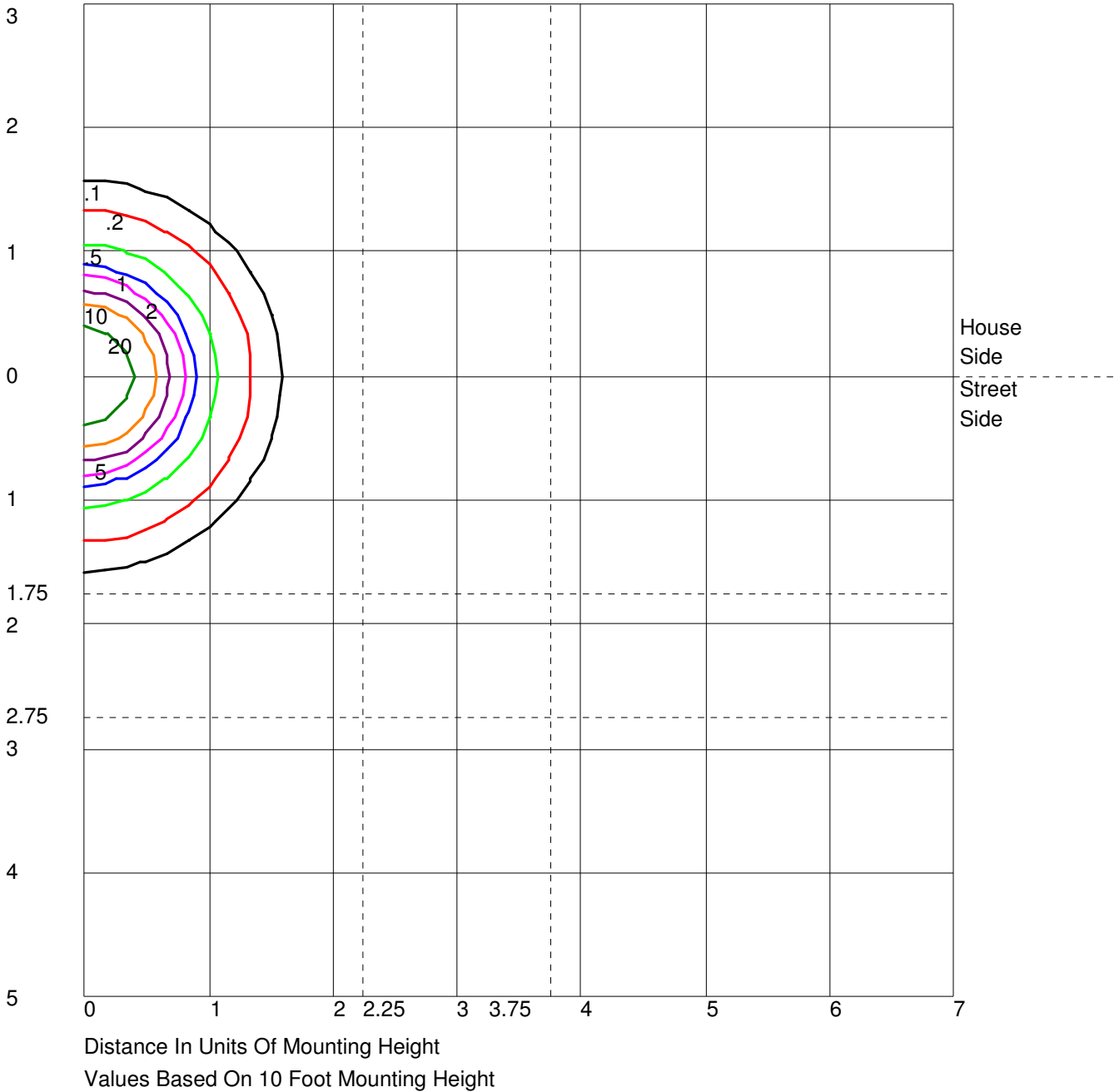


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