

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-930-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-L20-930-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	1845
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5437.102
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5437.102
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.166 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.653 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	723.3	N.A.	39.2
FM - Front-Medium (30-60)	184.9	N.A.	10.0
FH - Front-High (60-80)	13.7	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	723.3	N.A.	39.2
BM - Back-Medium (30-60)	184.9	N.A.	10.0
BH - Back-High (60-80)	13.7	N.A.	0.7
BVH - Back-Very High (80-90)	0.6	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	1845.2	N.A.	100.0
BUG Rating	B2-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	5437.102	5437.102	5437.102	5437.102	5437.102
1	5402.130	5400.613	5401.551	5401.504	5399.535
2	5306.733	5305.316	5304.657	5305.010	5303.013
3	5154.013	5151.006	5150.413	5151.451	5147.080
4	4944.077	4942.413	4939.645	4940.271	4937.563
5	4681.748	4680.723	4684.190	4684.522	4685.966
6	4385.424	4384.393	4389.576	4396.024	4401.646
7	4065.818	4067.508	4077.343	4088.109	4092.454
8	3733.870	3738.521	3751.269	3767.019	3772.123
9	3409.892	3414.044	3429.375	3449.529	3458.798
10	3101.618	3105.730	3123.456	3144.070	3155.674
11	2814.723	2818.216	2835.064	2856.736	2869.444
12	2552.727	2556.992	2572.861	2593.841	2602.950
13	2319.009	2323.534	2340.288	2362.812	2366.258
14	2113.358	2120.537	2137.179	2151.072	2157.433
15	1939.951	1940.776	1952.514	1967.957	1976.441
16	1777.829	1782.807	1798.709	1812.796	1823.888
17	1645.650	1649.616	1659.264	1673.437	1680.630
18	1533.166	1536.420	1544.944	1557.440	1563.122
19	1438.927	1441.443	1448.769	1458.104	1464.039
20	1360.352	1361.243	1366.799	1373.853	1378.697
21	1291.943	1291.145	1295.716	1301.325	1305.411
22	1233.782	1230.049	1233.988	1238.140	1242.192
23	1181.655	1176.292	1179.546	1182.327	1186.912
24	1132.210	1128.305	1129.269	1131.525	1136.369
25	1087.097	1083.431	1082.486	1083.970	1087.802
26	1042.463	1039.089	1036.315	1037.905	1040.646
27	997.383	992.652	989.365	989.691	993.411
28	947.392	941.903	935.988	936.067	939.621
29	888.060	885.026	878.358	878.605	883.668
30	825.540	821.361	809.424	811.720	816.185
31	747.749	743.957	734.734	734.475	739.259
32	660.537	658.707	651.328	654.289	656.884
33	568.254	567.556	562.765	567.702	570.610
34	475.672	476.338	474.881	480.649	483.284
35	389.052	389.930	391.607	398.873	400.577
36	313.058	313.537	318.634	326.359	328.349
37	249.314	252.282	257.106	266.168	265.902
38	199.636	203.535	210.076	214.953	215.985
39	167.837	166.886	172.495	177.279	178.311
40	139.805	142.087	147.829	150.837	153.591
41	123.356	124.700	127.794	129.857	130.982
42	111.679	112.397	114.719	116.024	116.642
43	102.696	103.155	105.011	105.763	106.435
44	95.197	95.656	96.960	97.599	97.865
45	88.590	89.095	90.266	90.579	90.872
46	82.468	83.007	83.992	84.411	84.651
47	76.693	77.192	78.143	78.569	78.802
48	71.243	71.749	72.647	73.139	73.372
49	66.153	66.605	67.450	67.969	68.189
50	61.362	61.728	62.573	63.079	63.305
51	56.884	57.237	58.015	58.534	58.767
52	52.725	53.025	53.757	54.282	54.462

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-930-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	48.839	49.132	49.804	50.337	50.496
54	45.266	45.526	46.118	46.617	46.790
55	41.873	42.086	42.671	43.104	43.303
56	38.573	38.779	39.324	39.730	39.917
57	35.445	35.651	36.157	36.516	36.703
58	32.631	32.810	33.269	33.595	33.782
59	30.036	30.189	30.601	30.907	31.087
60	27.640	27.787	28.173	28.432	28.598
61	25.471	25.591	25.943	26.176	26.296
62	23.488	23.608	23.907	24.120	24.220
63	21.672	21.778	22.058	22.231	22.310
64	20.035	20.088	20.354	20.501	20.547
65	18.524	18.564	18.804	18.917	18.964
66	17.100	17.147	17.333	17.446	17.466
67	15.790	15.836	16.003	16.089	16.109
68	14.579	14.625	14.758	14.831	14.838
69	13.454	13.467	13.601	13.654	13.647
70	12.390	12.403	12.509	12.549	12.536
71	11.385	11.385	11.471	11.505	11.478
72	10.447	10.420	10.493	10.513	10.506
73	9.515	9.495	9.555	9.562	9.542
74	8.617	8.603	8.643	8.657	8.637
75	7.758	7.738	7.765	7.785	7.758
76	6.907	6.887	6.907	6.920	6.907
77	6.062	6.055	6.082	6.082	6.082
78	5.237	5.230	5.257	5.257	5.270
79	4.412	4.405	4.445	4.451	4.458
80	3.586	3.586	3.626	3.653	3.646
81	2.701	2.728	2.748	2.768	2.755
82	1.570	1.610	1.650	1.644	1.657
83	0.785	0.785	0.852	0.885	0.938
84	0.712	0.712	0.719	0.712	0.712
85	0.659	0.659	0.659	0.659	0.659
86	0.586	0.592	0.592	0.586	0.592
87	0.499	0.499	0.506	0.499	0.499
88	0.386	0.393	0.393	0.386	0.386
89	0.260	0.260	0.260	0.260	0.260
90	0.146	0.153	0.160	0.166	0.166
91	0.140	0.146	0.140	0.140	0.133
92	0.146	0.146	0.146	0.146	0.133
93	0.146	0.146	0.146	0.146	0.133
94	0.146	0.153	0.153	0.146	0.140
95	0.153	0.153	0.153	0.146	0.146
96	0.153	0.160	0.160	0.153	0.160
97	0.166	0.166	0.166	0.166	0.166
98	0.173	0.173	0.166	0.173	0.173
99	0.180	0.186	0.180	0.173	0.180
100	0.180	0.186	0.186	0.180	0.180
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

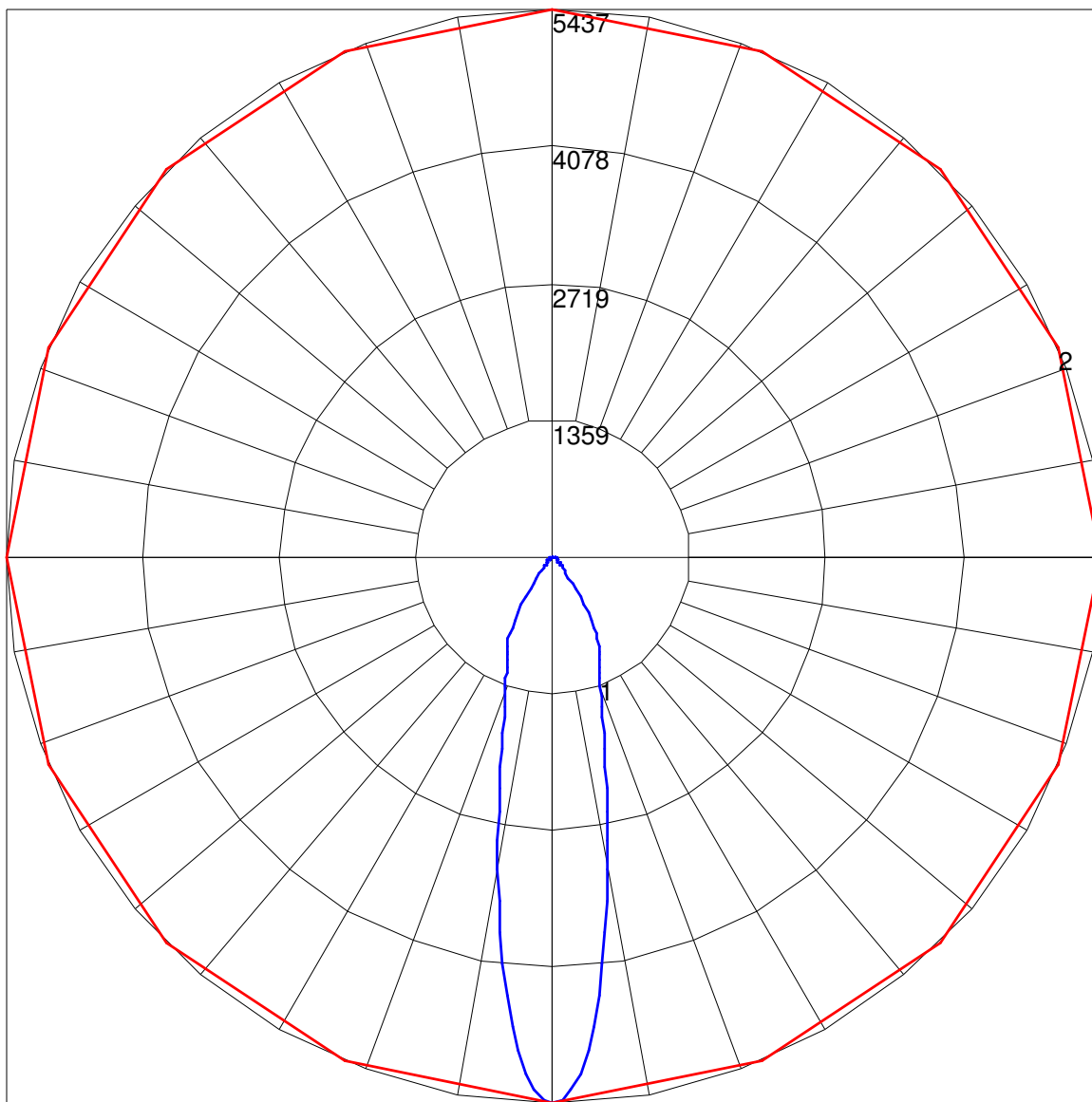
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	922.4	50.0
Downward House Side	922.4	50.0
Downward Total	1844.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1845.0	100.0

POLAR GRAPH



Maximum Candela = 5437.102 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

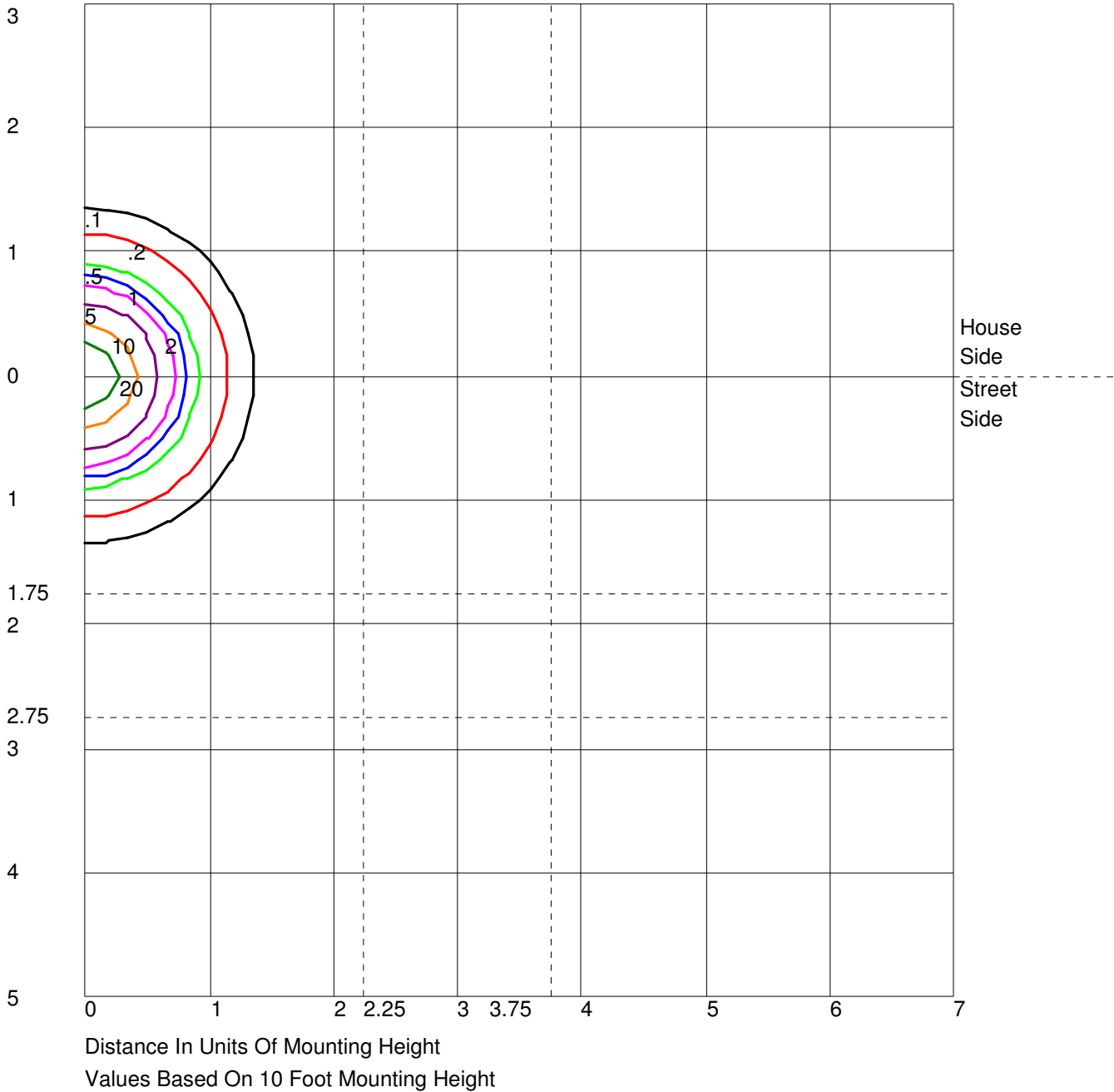


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