

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-950-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-L20-950-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	1826
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5380.466
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5380.466
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.165 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.615 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	715.7	N.A.	39.2
FM - Front-Medium (30-60)	183.0	N.A.	10.0
FH - Front-High (60-80)	13.5	N.A.	0.7
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	715.7	N.A.	39.2
BM - Back-Medium (30-60)	183.0	N.A.	10.0
BH - Back-High (60-80)	13.5	N.A.	0.7
BVH - Back-Very High (80-90)	0.5	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	1825.6	N.A.	100.0
BUG Rating	B2-U1-G0		

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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	5380.466	5380.466	5380.466	5380.466	5380.466
1	5345.858	5344.357	5345.285	5345.239	5343.290
2	5251.455	5250.052	5249.401	5249.750	5247.774
3	5100.326	5097.350	5096.764	5097.791	5093.465
4	4892.576	4890.930	4888.191	4888.810	4886.130
5	4632.980	4631.966	4635.396	4635.726	4637.154
6	4339.743	4338.722	4343.852	4350.232	4355.796
7	4023.466	4025.139	4034.871	4045.525	4049.824
8	3694.975	3699.578	3712.194	3727.780	3732.830
9	3374.373	3378.482	3393.653	3413.597	3422.769
10	3069.310	3073.379	3090.920	3111.319	3122.803
11	2785.403	2788.860	2805.532	2826.978	2839.555
12	2526.136	2530.357	2546.061	2566.822	2575.836
13	2294.853	2299.331	2315.910	2338.199	2341.610
14	2091.344	2098.449	2114.917	2128.665	2134.960
15	1919.743	1920.560	1932.175	1947.458	1955.853
16	1759.310	1764.236	1779.973	1793.912	1804.889
17	1628.508	1632.432	1641.980	1656.005	1663.123
18	1517.196	1520.416	1528.851	1541.216	1546.840
19	1423.939	1426.428	1433.677	1442.916	1448.789
20	1346.182	1347.064	1352.562	1359.542	1364.335
21	1278.486	1277.696	1282.219	1287.770	1291.813
22	1220.930	1217.236	1221.134	1225.243	1229.253
23	1169.347	1164.039	1167.259	1170.012	1174.548
24	1120.417	1116.551	1117.506	1119.738	1124.532
25	1075.773	1072.145	1071.210	1072.679	1076.471
26	1031.604	1028.266	1025.520	1027.094	1029.806
27	986.994	982.312	979.059	979.382	983.063
28	937.524	932.091	926.238	926.317	929.833
29	878.809	875.807	869.209	869.452	874.463
30	816.941	812.805	800.993	803.264	807.683
31	739.960	736.207	727.081	726.824	731.558
32	653.656	651.846	644.543	647.474	650.042
33	562.335	561.644	556.903	561.789	564.666
34	470.717	471.376	469.934	475.643	478.250
35	385.000	385.869	387.528	394.718	396.404
36	309.797	310.271	315.315	322.960	324.929
37	246.717	249.654	254.428	263.396	263.132
38	197.557	201.415	207.888	212.714	213.735
39	166.089	165.148	170.698	175.433	176.453
40	138.348	140.607	146.289	149.266	151.992
41	122.071	123.401	126.463	128.504	129.617
42	110.515	111.226	113.525	114.815	115.427
43	101.626	102.081	103.918	104.662	105.327
44	94.205	94.660	95.950	96.582	96.846
45	87.667	88.167	89.326	89.636	89.925
46	81.609	82.142	83.117	83.532	83.769
47	75.894	76.388	77.329	77.751	77.981
48	70.501	71.001	71.890	72.378	72.608
49	65.464	65.912	66.748	67.261	67.479
50	60.723	61.085	61.921	62.422	62.646
51	56.291	56.640	57.411	57.924	58.155
52	52.176	52.472	53.197	53.717	53.895

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-950-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	48.331	48.620	49.285	49.812	49.970
54	44.795	45.052	45.638	46.131	46.303
55	41.437	41.647	42.227	42.655	42.852
56	38.171	38.375	38.915	39.316	39.501
57	35.076	35.280	35.781	36.136	36.320
58	32.291	32.468	32.923	33.245	33.430
59	29.723	29.874	30.282	30.585	30.763
60	27.352	27.497	27.879	28.136	28.300
61	25.206	25.324	25.673	25.904	26.022
62	23.244	23.362	23.658	23.869	23.968
63	21.446	21.551	21.828	21.999	22.078
64	19.826	19.879	20.142	20.287	20.333
65	18.331	18.371	18.608	18.720	18.766
66	16.922	16.968	17.153	17.265	17.284
67	15.625	15.671	15.836	15.921	15.941
68	14.427	14.473	14.605	14.677	14.684
69	13.314	13.327	13.459	13.512	13.505
70	12.260	12.274	12.379	12.418	12.405
71	11.266	11.266	11.352	11.385	11.358
72	10.338	10.311	10.384	10.404	10.397
73	9.416	9.396	9.455	9.462	9.442
74	8.527	8.514	8.553	8.567	8.547
75	7.678	7.658	7.684	7.704	7.678
76	6.835	6.815	6.835	6.848	6.835
77	5.999	5.992	6.018	6.018	6.018
78	5.182	5.175	5.202	5.202	5.215
79	4.366	4.359	4.398	4.405	4.412
80	3.549	3.549	3.589	3.615	3.608
81	2.673	2.700	2.719	2.739	2.726
82	1.554	1.593	1.633	1.626	1.640
83	0.777	0.777	0.843	0.876	0.928
84	0.705	0.705	0.711	0.705	0.705
85	0.652	0.652	0.652	0.652	0.652
86	0.579	0.586	0.586	0.579	0.586
87	0.494	0.494	0.500	0.494	0.494
88	0.382	0.388	0.388	0.382	0.382
89	0.257	0.257	0.257	0.257	0.257
90	0.145	0.151	0.158	0.165	0.165
91	0.138	0.145	0.138	0.138	0.132
92	0.145	0.145	0.145	0.145	0.132
93	0.145	0.145	0.145	0.145	0.132
94	0.145	0.151	0.151	0.145	0.138
95	0.151	0.151	0.151	0.145	0.145
96	0.151	0.158	0.158	0.151	0.158
97	0.165	0.165	0.165	0.165	0.165
98	0.171	0.171	0.165	0.171	0.171
99	0.178	0.184	0.178	0.171	0.178
100	0.178	0.184	0.184	0.178	0.178
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

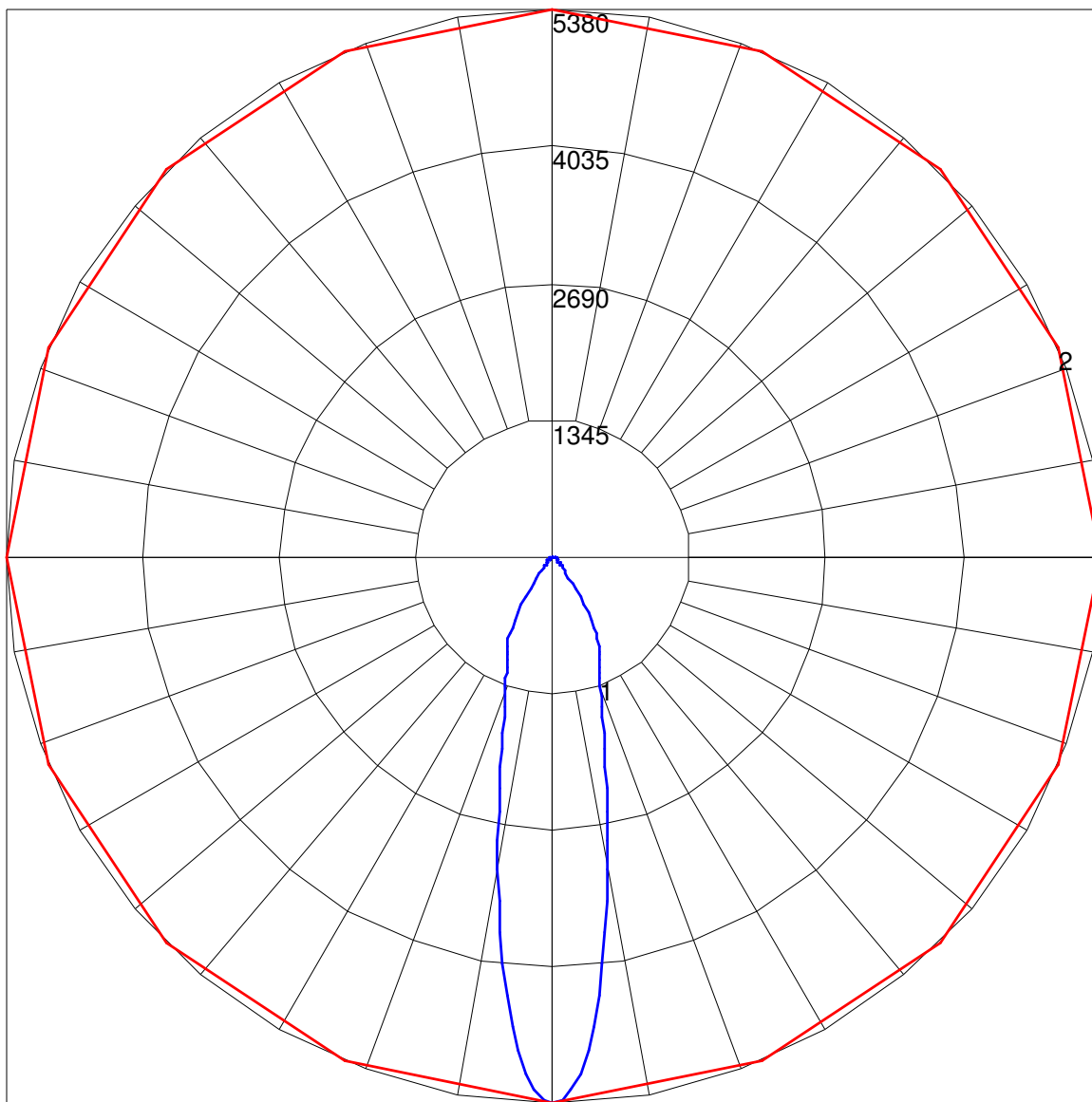
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	912.8	50.0
Downward House Side	912.8	50.0
Downward Total	1825.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1825.8	100.0

POLAR GRAPH



Maximum Candela = 5380.466 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

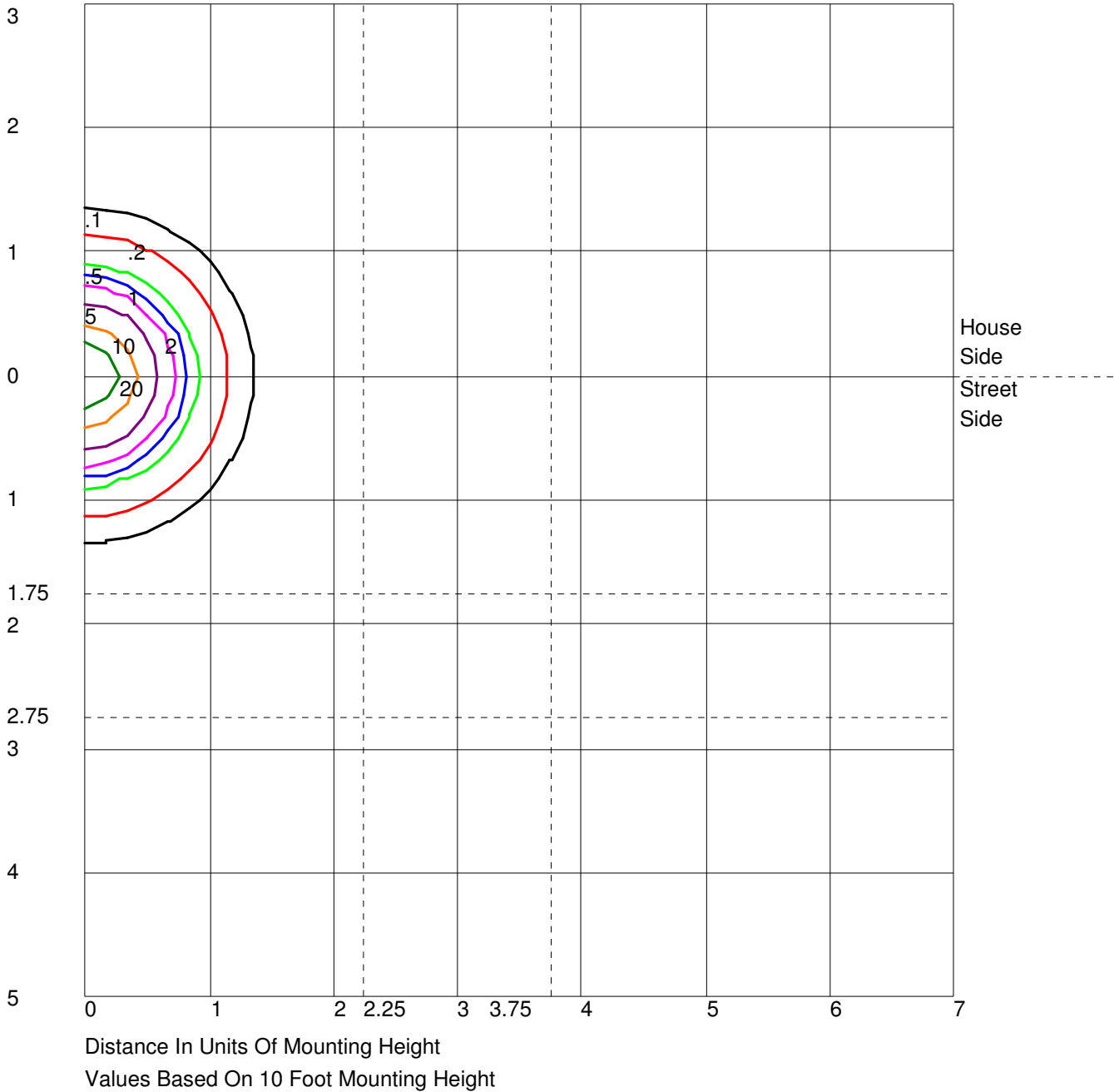


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