

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-940-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-L20-940-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	1864
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5493.739
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5493.739
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.168 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.691 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	730.8	N.A.	39.2
FM - Front-Medium (30-60)	186.8	N.A.	10.0
FH - Front-High (60-80)	13.8	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	730.8	N.A.	39.2
BM - Back-Medium (30-60)	186.8	N.A.	10.0
BH - Back-High (60-80)	13.8	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	1864.2	N.A.	100.0
BUG Rating	B2-U1-G0		

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CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	5493.739	5493.739	5493.739	5493.739	5493.739
1	5458.402	5456.869	5457.817	5457.770	5455.780
2	5362.011	5360.579	5359.914	5360.270	5358.253
3	5207.701	5204.662	5204.064	5205.112	5200.695
4	4995.578	4993.897	4991.100	4991.732	4988.996
5	4730.516	4729.480	4732.983	4733.319	4734.778
6	4431.105	4430.063	4435.301	4441.815	4447.497
7	4108.171	4109.878	4119.815	4130.693	4135.083
8	3772.764	3777.464	3790.345	3806.259	3811.416
9	3445.412	3449.607	3465.098	3485.462	3494.828
10	3133.927	3138.082	3155.992	3176.821	3188.546
11	2844.043	2847.573	2864.596	2886.493	2899.335
12	2579.318	2583.627	2599.662	2620.860	2630.064
13	2343.166	2347.737	2364.666	2387.424	2390.907
14	2135.372	2142.626	2159.441	2173.479	2179.906
15	1960.159	1960.993	1972.852	1988.457	1997.029
16	1796.348	1801.377	1817.446	1831.679	1842.886
17	1662.792	1666.799	1676.548	1690.868	1698.136
18	1549.137	1552.424	1561.037	1573.663	1579.405
19	1453.916	1456.458	1463.860	1473.293	1479.290
20	1374.522	1375.423	1381.037	1388.164	1393.058
21	1305.401	1304.594	1309.213	1314.881	1319.009
22	1246.634	1242.862	1246.842	1251.037	1255.132
23	1193.964	1188.545	1191.833	1194.643	1199.276
24	1144.004	1140.058	1141.033	1143.312	1148.206
25	1098.421	1094.717	1093.762	1095.261	1099.134
26	1053.322	1049.913	1047.110	1048.717	1051.486
27	1007.772	1002.992	999.671	1000.000	1003.759
28	957.261	951.714	945.737	945.818	949.408
29	897.310	894.245	887.508	887.757	892.873
30	834.139	829.917	817.856	820.175	824.686
31	755.538	751.706	742.388	742.126	746.960
32	667.418	665.569	658.113	661.105	663.727
33	574.174	573.468	568.627	573.616	576.554
34	480.627	481.300	479.827	485.656	488.319
35	393.105	393.992	395.687	403.028	404.749
36	316.319	316.803	321.953	329.759	331.769
37	251.911	254.910	259.784	268.941	268.672
38	201.716	205.656	212.264	217.193	218.235
39	169.586	168.624	174.292	179.126	180.168
40	141.261	143.567	149.369	152.408	155.191
41	124.641	125.999	129.126	131.210	132.346
42	112.842	113.568	115.914	117.232	117.857
43	103.766	104.230	106.105	106.865	107.544
44	96.189	96.653	97.970	98.616	98.885
45	89.513	90.023	91.207	91.523	91.819
46	83.327	83.872	84.867	85.290	85.532
47	77.491	77.996	78.957	79.387	79.623
48	71.985	72.496	73.404	73.901	74.137
49	66.842	67.299	68.153	68.677	68.899
50	62.001	62.371	63.225	63.736	63.964
51	57.477	57.833	58.619	59.144	59.379
52	53.275	53.577	54.317	54.848	55.029

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	49.348	49.644	50.323	50.861	51.022
54	45.738	46.000	46.598	47.103	47.277
55	42.309	42.524	43.116	43.553	43.755
56	38.974	39.183	39.734	40.144	40.332
57	35.814	36.023	36.534	36.897	37.085
58	32.971	33.152	33.616	33.945	34.134
59	30.348	30.503	30.920	31.229	31.411
60	27.928	28.076	28.466	28.728	28.896
61	25.736	25.857	26.214	26.449	26.570
62	23.733	23.854	24.156	24.372	24.472
63	21.897	22.005	22.287	22.462	22.543
64	20.244	20.297	20.566	20.714	20.761
65	18.717	18.758	19.000	19.114	19.161
66	17.279	17.326	17.514	17.628	17.648
67	15.954	16.001	16.169	16.257	16.277
68	14.731	14.778	14.912	14.986	14.993
69	13.594	13.608	13.742	13.796	13.789
70	12.519	12.532	12.640	12.680	12.666
71	11.503	11.503	11.591	11.624	11.597
72	10.555	10.529	10.602	10.623	10.616
73	9.614	9.594	9.654	9.661	9.641
74	8.707	8.693	8.733	8.747	8.727
75	7.839	7.819	7.846	7.866	7.839
76	6.979	6.958	6.979	6.992	6.979
77	6.125	6.118	6.145	6.145	6.145
78	5.291	5.284	5.311	5.311	5.325
79	4.457	4.451	4.491	4.498	4.505
80	3.624	3.624	3.664	3.691	3.684
81	2.730	2.757	2.777	2.797	2.783
82	1.587	1.627	1.667	1.661	1.674
83	0.793	0.793	0.861	0.894	0.948
84	0.719	0.719	0.726	0.719	0.719
85	0.666	0.666	0.666	0.666	0.666
86	0.592	0.598	0.598	0.592	0.598
87	0.504	0.504	0.511	0.504	0.504
88	0.390	0.397	0.397	0.390	0.390
89	0.262	0.262	0.262	0.262	0.262
90	0.148	0.155	0.161	0.168	0.168
91	0.141	0.148	0.141	0.141	0.134
92	0.148	0.148	0.148	0.148	0.134
93	0.148	0.148	0.148	0.148	0.134
94	0.148	0.155	0.155	0.148	0.141
95	0.155	0.155	0.155	0.148	0.148
96	0.155	0.161	0.161	0.155	0.161
97	0.168	0.168	0.168	0.168	0.168
98	0.175	0.175	0.168	0.175	0.175
99	0.182	0.188	0.182	0.175	0.182
100	0.182	0.188	0.188	0.182	0.182
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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L20-940-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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

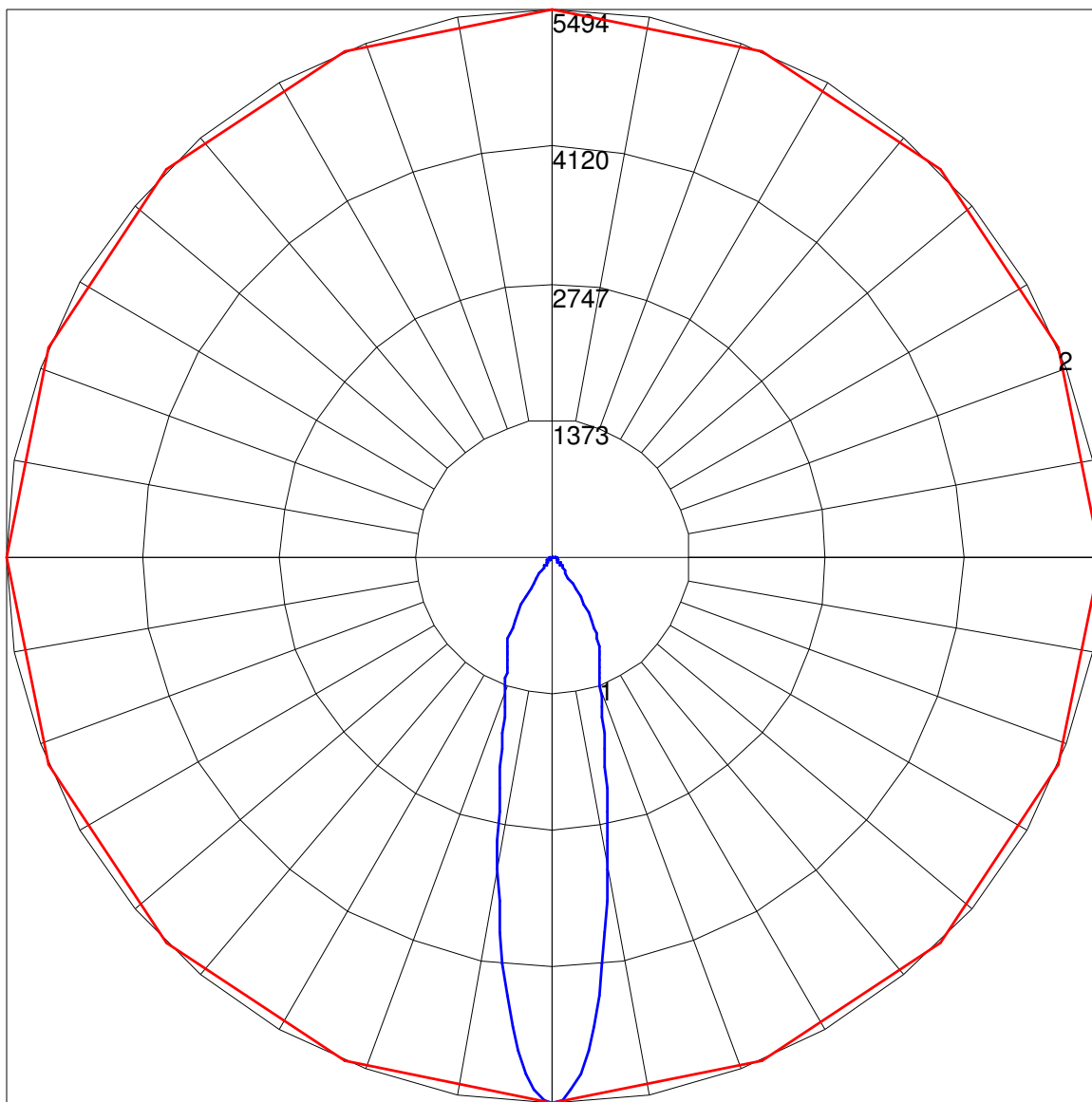
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	932.0	50.0
Downward House Side	932.0	50.0
Downward Total	1864.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1864.2	100.0

POLAR GRAPH



Maximum Candela = 5493.739 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

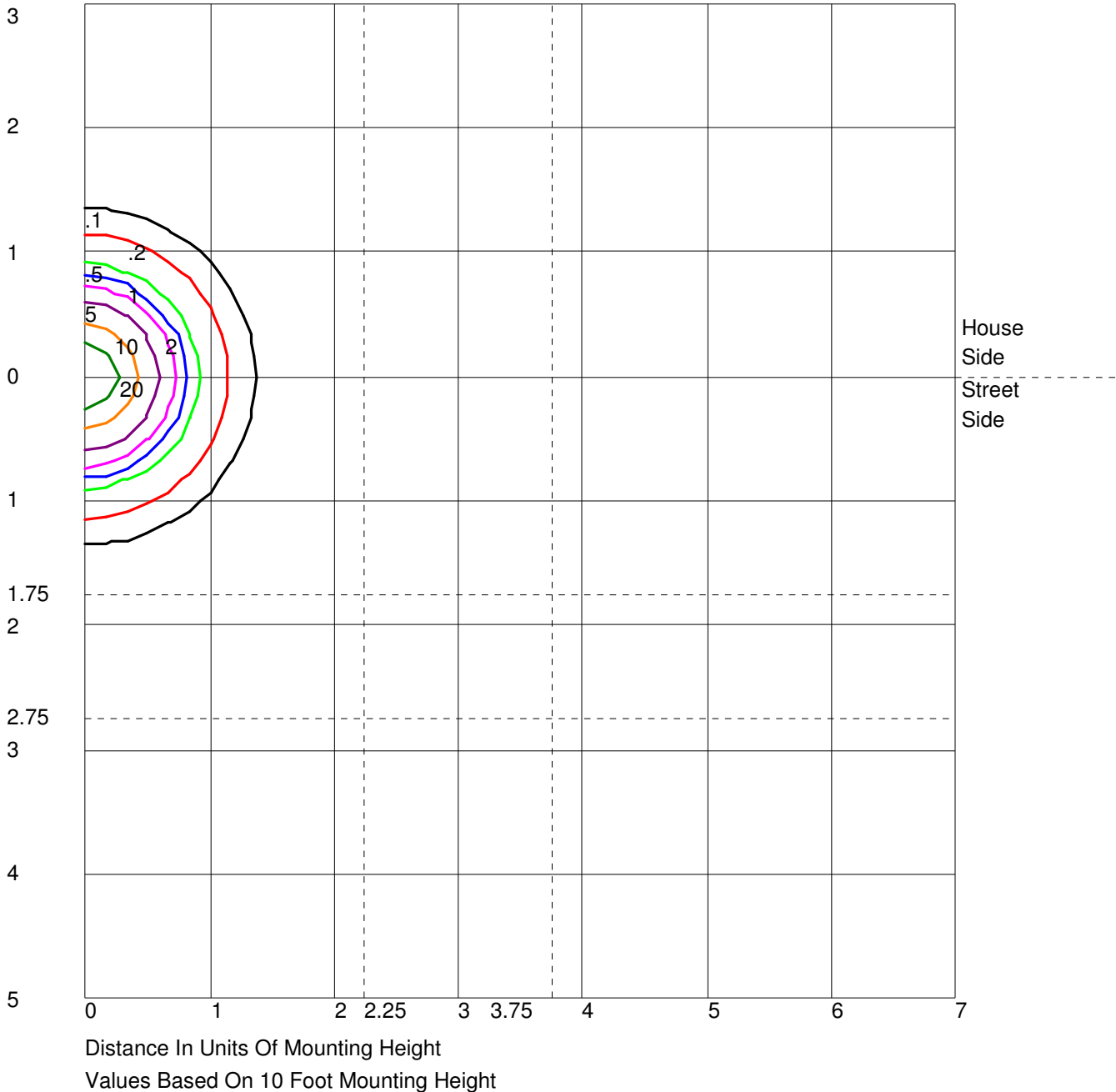


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