

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-835-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-L30-835-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	2753
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8112.395
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	8112.395
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.248 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.45 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1079.1	N.A.	39.2
FM - Front-Medium (30-60)	275.9	N.A.	10.0
FH - Front-High (60-80)	20.4	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1079.1	N.A.	39.2
BM - Back-Medium (30-60)	275.9	N.A.	10.0
BH - Back-High (60-80)	20.4	N.A.	0.7
BVH - Back-Very High (80-90)	0.8	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	2752.7	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	8112.395	8112.395	8112.395	8112.395	8112.395
1	8060.214	8057.951	8059.350	8059.281	8056.342
2	7917.878	7915.764	7914.781	7915.307	7912.329
3	7690.014	7685.526	7684.643	7686.191	7679.669
4	7376.779	7374.297	7370.167	7371.100	7367.060
5	6985.373	6983.844	6989.016	6989.513	6991.667
6	6543.245	6541.706	6549.440	6559.060	6567.449
7	6066.379	6068.901	6083.574	6099.637	6106.120
8	5571.097	5578.037	5597.059	5620.558	5628.172
9	5087.709	5093.904	5116.778	5146.849	5160.679
10	4627.750	4633.886	4660.334	4691.090	4708.404
11	4199.690	4204.902	4230.040	4262.375	4281.337
12	3808.780	3815.144	3838.822	3870.124	3883.716
13	3460.063	3466.814	3491.813	3525.419	3530.561
14	3153.222	3163.935	3188.764	3209.494	3218.985
15	2894.492	2895.723	2913.236	2936.279	2948.937
16	2652.599	2660.025	2683.753	2704.770	2721.320
17	2455.382	2461.299	2475.695	2496.841	2507.573
18	2287.551	2292.406	2305.124	2323.768	2332.247
19	2146.943	2150.696	2161.626	2175.555	2184.411
20	2029.705	2031.035	2039.325	2049.848	2057.076
21	1927.636	1926.445	1933.265	1941.634	1947.730
22	1840.857	1835.287	1841.164	1847.359	1853.405
23	1763.082	1755.080	1759.934	1764.084	1770.925
24	1689.308	1683.480	1684.919	1688.285	1695.512
25	1621.997	1616.526	1615.117	1617.330	1623.049
26	1555.400	1550.367	1546.227	1548.600	1552.690
27	1488.139	1481.080	1476.176	1476.662	1482.212
28	1413.551	1405.360	1396.534	1396.654	1401.955
29	1325.024	1320.497	1310.549	1310.916	1318.472
30	1231.742	1225.507	1207.696	1211.121	1217.783
31	1115.675	1110.016	1096.256	1095.869	1103.007
32	985.550	982.820	971.810	976.228	980.100
33	847.860	846.818	839.670	847.036	851.375
34	709.724	710.717	708.543	717.150	721.081
35	580.483	581.793	584.295	595.136	597.678
36	467.097	467.811	475.416	486.942	489.911
37	371.988	376.415	383.613	397.135	396.738
38	297.866	303.684	313.443	320.720	322.259
39	250.421	249.001	257.370	264.508	266.047
40	208.595	212.000	220.568	225.055	229.165
41	184.053	186.058	190.675	193.752	195.430
42	166.629	167.702	171.167	173.112	174.036
43	153.227	153.912	156.682	157.804	158.806
44	142.038	142.723	144.669	145.622	146.019
45	132.180	132.934	134.682	135.148	135.585
46	123.046	123.850	125.320	125.945	126.302
47	114.429	115.173	116.593	117.228	117.576
48	106.298	107.052	108.393	109.127	109.475
49	98.703	99.378	100.639	101.413	101.741
50	91.555	92.101	93.362	94.116	94.454
51	84.873	85.400	86.561	87.336	87.683
52	78.668	79.115	80.207	80.992	81.260

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-835-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	72.871	73.307	74.310	75.104	75.343
54	67.539	67.927	68.810	69.555	69.813
55	62.476	62.794	63.667	64.313	64.611
56	57.552	57.860	58.674	59.279	59.557
57	52.886	53.194	53.948	54.484	54.762
58	48.686	48.954	49.639	50.126	50.404
59	44.814	45.043	45.658	46.115	46.383
60	41.240	41.459	42.035	42.422	42.670
61	38.004	38.183	38.709	39.056	39.235
62	35.045	35.224	35.671	35.989	36.137
63	32.335	32.494	32.911	33.169	33.288
64	29.893	29.972	30.369	30.588	30.657
65	27.639	27.699	28.056	28.225	28.294
66	25.515	25.584	25.862	26.031	26.061
67	23.559	23.628	23.877	24.006	24.035
68	21.752	21.821	22.020	22.129	22.139
69	20.074	20.094	20.293	20.372	20.362
70	18.486	18.506	18.664	18.724	18.704
71	16.987	16.987	17.116	17.165	17.126
72	15.587	15.547	15.656	15.686	15.676
73	14.197	14.167	14.256	14.266	14.237
74	12.857	12.837	12.896	12.916	12.886
75	11.576	11.546	11.586	11.616	11.576
76	10.305	10.275	10.305	10.325	10.305
77	9.044	9.034	9.074	9.074	9.074
78	7.813	7.803	7.843	7.843	7.863
79	6.582	6.572	6.632	6.642	6.652
80	5.351	5.351	5.411	5.450	5.440
81	4.031	4.070	4.100	4.130	4.110
82	2.343	2.403	2.462	2.452	2.472
83	1.171	1.171	1.271	1.320	1.400
84	1.062	1.062	1.072	1.062	1.062
85	0.983	0.983	0.983	0.983	0.983
86	0.874	0.884	0.884	0.874	0.884
87	0.745	0.745	0.755	0.745	0.745
88	0.576	0.586	0.586	0.576	0.576
89	0.387	0.387	0.387	0.387	0.387
90	0.218	0.228	0.238	0.248	0.248
91	0.208	0.218	0.208	0.208	0.199
92	0.218	0.218	0.218	0.218	0.199
93	0.218	0.218	0.218	0.218	0.199
94	0.218	0.228	0.228	0.218	0.208
95	0.228	0.228	0.228	0.218	0.218
96	0.228	0.238	0.238	0.228	0.238
97	0.248	0.248	0.248	0.248	0.248
98	0.258	0.258	0.248	0.258	0.258
99	0.268	0.278	0.268	0.258	0.268
100	0.268	0.278	0.278	0.268	0.268
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

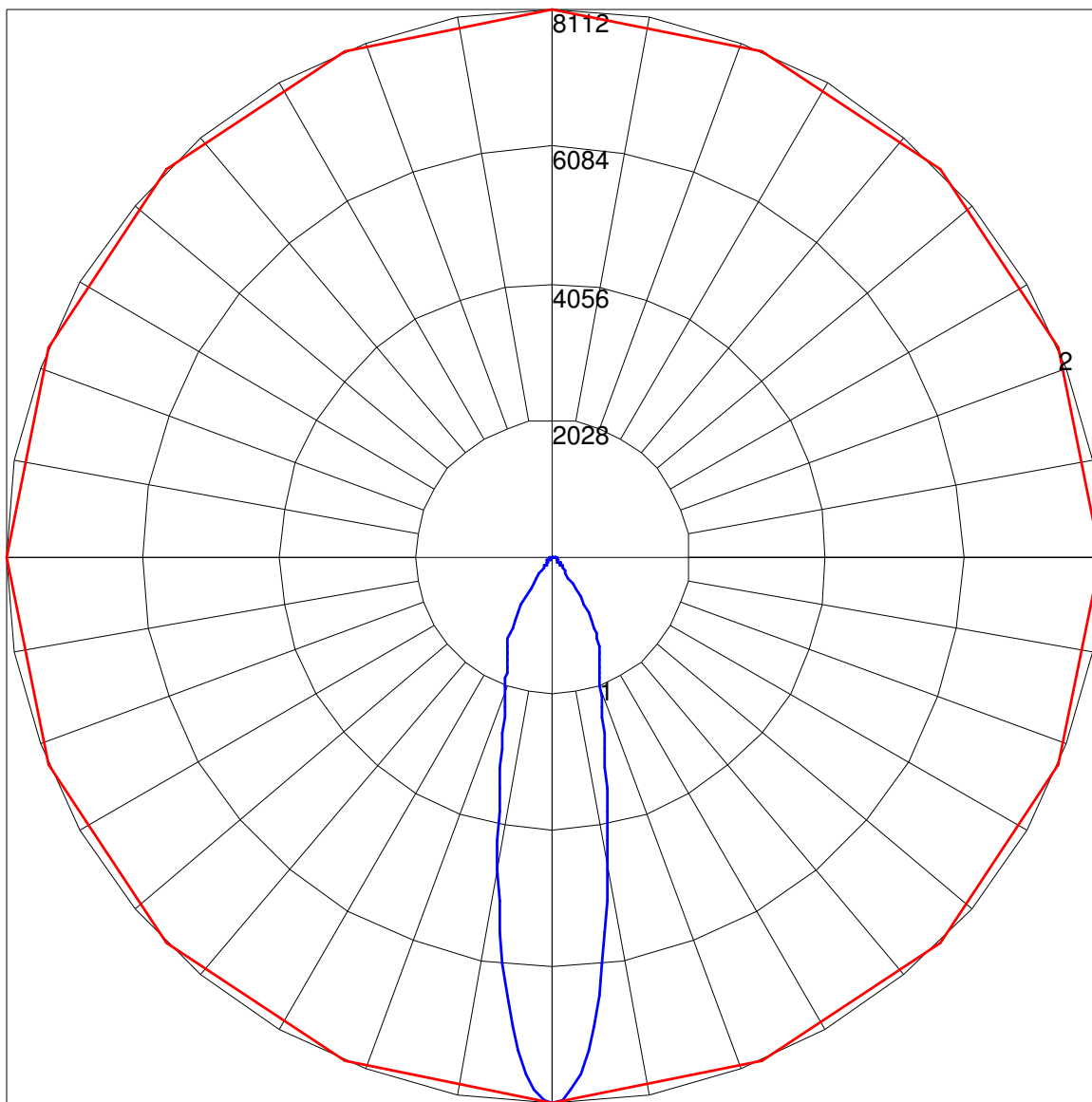
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

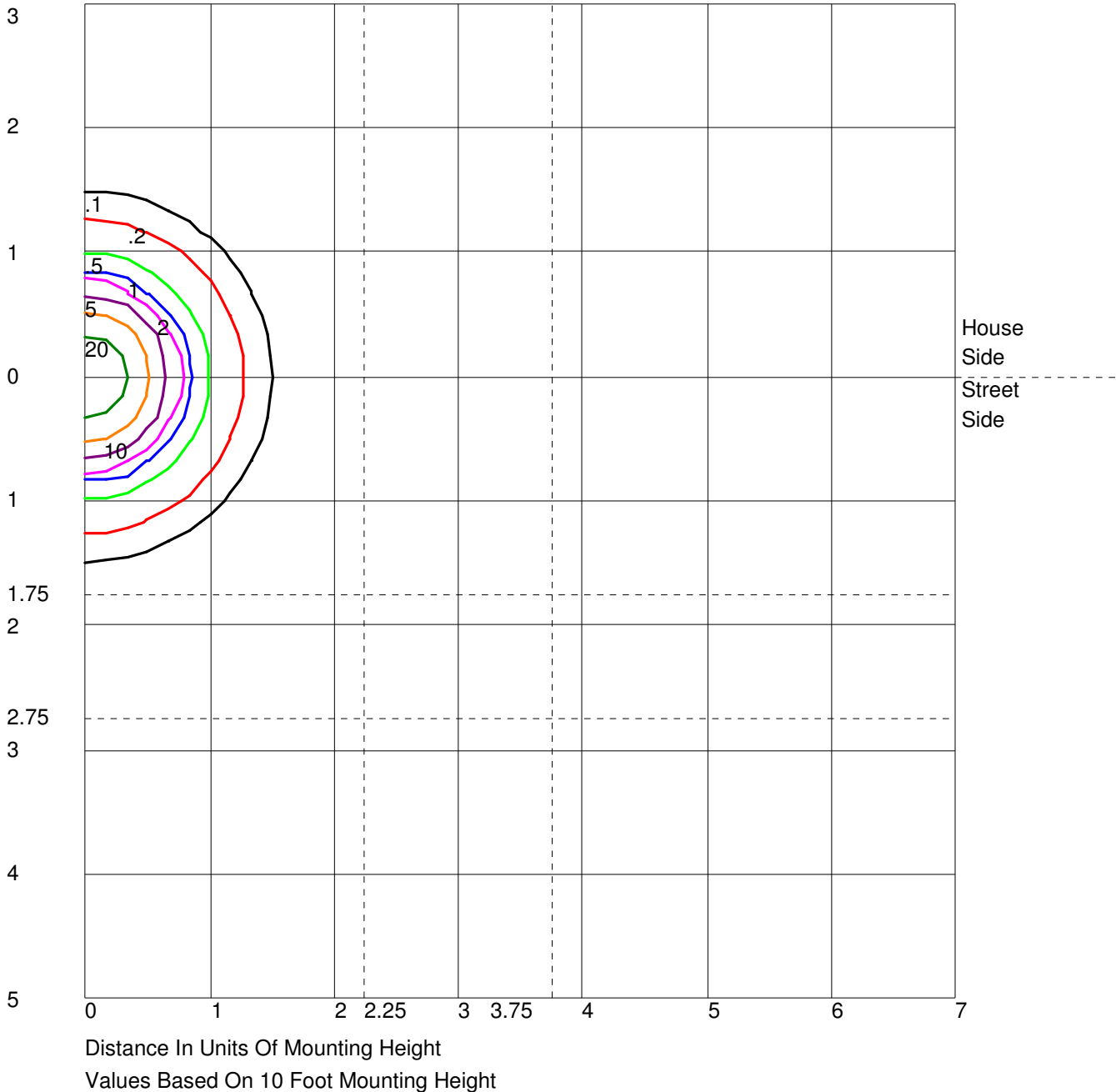
	Lumens	Percent Of Luminaire
Downward Street Side	1376.2	50.0
Downward House Side	1376.2	50.0
Downward Total	2752.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2752.6	100.0

POLAR GRAPH



Maximum Candela = 8112.395 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



# PHOTO IES R

