

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-840-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-L20-840-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	1941
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	5720.285
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	5720.285
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.175 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.843 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	760.9	N.A.	39.2
FM - Front-Medium (30-60)	194.5	N.A.	10.0
FH - Front-High (60-80)	14.4	N.A.	0.7
FVH - Front-Very High (80-90)	0.6	N.A.	0.0
BL - Back-Low (0-30)	760.9	N.A.	39.2
BM - Back-Medium (30-60)	194.5	N.A.	10.0
BH - Back-High (60-80)	14.4	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	1941.0	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	5720.285	5720.285	5720.285	5720.285	5720.285
1	5683.491	5681.895	5682.882	5682.833	5680.761
2	5583.125	5581.634	5580.941	5581.312	5579.212
3	5422.452	5419.287	5418.664	5419.756	5415.157
4	5201.581	5199.831	5196.919	5197.577	5194.727
5	4925.589	4924.511	4928.158	4928.508	4930.027
6	4613.832	4612.746	4618.200	4624.983	4630.899
7	4277.580	4279.358	4289.704	4301.031	4305.602
8	3928.342	3933.235	3946.648	3963.218	3968.588
9	3587.491	3591.859	3607.988	3629.193	3638.944
10	3263.161	3267.487	3286.136	3307.824	3320.032
11	2961.323	2964.998	2982.724	3005.524	3018.895
12	2685.681	2690.168	2706.865	2728.937	2738.520
13	2439.791	2444.551	2462.178	2485.875	2489.501
14	2223.429	2230.982	2248.490	2263.107	2269.799
15	2040.990	2041.858	2054.207	2070.455	2079.381
16	1870.425	1875.661	1892.392	1907.212	1918.882
17	1731.361	1735.533	1745.684	1760.595	1768.162
18	1613.019	1616.442	1625.410	1638.556	1644.535
19	1513.872	1516.518	1524.225	1534.047	1540.291
20	1431.204	1432.142	1437.987	1445.407	1450.504
21	1359.232	1358.392	1363.201	1369.103	1373.401
22	1298.041	1294.114	1298.258	1302.627	1306.890
23	1243.200	1237.558	1240.981	1243.907	1248.730
24	1191.180	1187.070	1188.086	1190.459	1195.555
25	1143.717	1139.860	1138.865	1140.427	1144.459
26	1096.758	1093.209	1090.289	1091.963	1094.847
27	1049.330	1044.353	1040.894	1041.237	1045.151
28	996.736	990.960	984.737	984.821	988.559
29	934.313	931.121	924.106	924.365	929.693
30	868.537	864.140	851.582	853.997	858.694
31	786.695	782.704	773.002	772.729	777.762
32	694.940	693.015	685.251	688.367	691.097
33	597.851	597.116	592.076	597.270	600.329
34	500.447	501.147	499.614	505.683	508.455
35	409.315	410.239	412.003	419.648	421.440
36	329.363	329.867	335.230	343.357	345.450
37	262.299	265.421	270.497	280.031	279.751
38	210.034	214.136	221.018	226.149	227.234
39	176.579	175.578	181.479	186.513	187.598
40	147.086	149.487	155.529	158.693	161.591
41	129.781	131.195	134.450	136.620	137.804
42	117.495	118.251	120.694	122.067	122.718
43	108.045	108.528	110.481	111.272	111.979
44	100.155	100.638	102.010	102.682	102.962
45	93.204	93.736	94.968	95.297	95.605
46	86.763	87.330	88.366	88.807	89.060
47	80.687	81.212	82.213	82.661	82.906
48	74.954	75.486	76.431	76.949	77.194
49	69.598	70.074	70.963	71.509	71.740
50	64.558	64.943	65.832	66.364	66.602
51	59.847	60.218	61.037	61.583	61.828
52	55.471	55.786	56.556	57.110	57.299

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-840-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	51.383	51.691	52.398	52.958	53.126
54	47.624	47.897	48.520	49.045	49.227
55	44.054	44.278	44.894	45.349	45.559
56	40.582	40.799	41.373	41.800	41.996
57	37.291	37.508	38.040	38.418	38.614
58	34.330	34.519	35.002	35.345	35.541
59	31.600	31.761	32.195	32.517	32.706
60	29.080	29.234	29.640	29.913	30.088
61	26.798	26.924	27.295	27.540	27.666
62	24.712	24.838	25.153	25.377	25.482
63	22.800	22.912	23.206	23.388	23.472
64	21.078	21.134	21.414	21.568	21.617
65	19.489	19.531	19.783	19.902	19.951
66	17.991	18.040	18.236	18.355	18.376
67	16.612	16.661	16.836	16.927	16.948
68	15.338	15.387	15.527	15.604	15.611
69	14.155	14.169	14.309	14.365	14.358
70	13.035	13.049	13.161	13.203	13.189
71	11.978	11.978	12.069	12.104	12.076
72	10.991	10.963	11.040	11.061	11.054
73	10.011	9.990	10.053	10.060	10.039
74	9.066	9.052	9.094	9.108	9.087
75	8.163	8.142	8.170	8.191	8.163
76	7.266	7.245	7.266	7.280	7.266
77	6.377	6.370	6.398	6.398	6.398
78	5.509	5.502	5.530	5.530	5.544
79	4.641	4.634	4.676	4.683	4.690
80	3.773	3.773	3.815	3.843	3.836
81	2.842	2.870	2.891	2.912	2.898
82	1.652	1.694	1.736	1.729	1.743
83	0.826	0.826	0.896	0.931	0.987
84	0.749	0.749	0.756	0.749	0.749
85	0.693	0.693	0.693	0.693	0.693
86	0.616	0.623	0.623	0.616	0.623
87	0.525	0.525	0.532	0.525	0.525
88	0.406	0.413	0.413	0.406	0.406
89	0.273	0.273	0.273	0.273	0.273
90	0.154	0.161	0.168	0.175	0.175
91	0.147	0.154	0.147	0.147	0.140
92	0.154	0.154	0.154	0.154	0.140
93	0.154	0.154	0.154	0.154	0.140
94	0.154	0.161	0.161	0.154	0.147
95	0.161	0.161	0.161	0.154	0.154
96	0.161	0.168	0.168	0.161	0.168
97	0.175	0.175	0.175	0.175	0.175
98	0.182	0.182	0.175	0.182	0.182
99	0.189	0.196	0.189	0.182	0.189
100	0.189	0.196	0.196	0.189	0.189
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

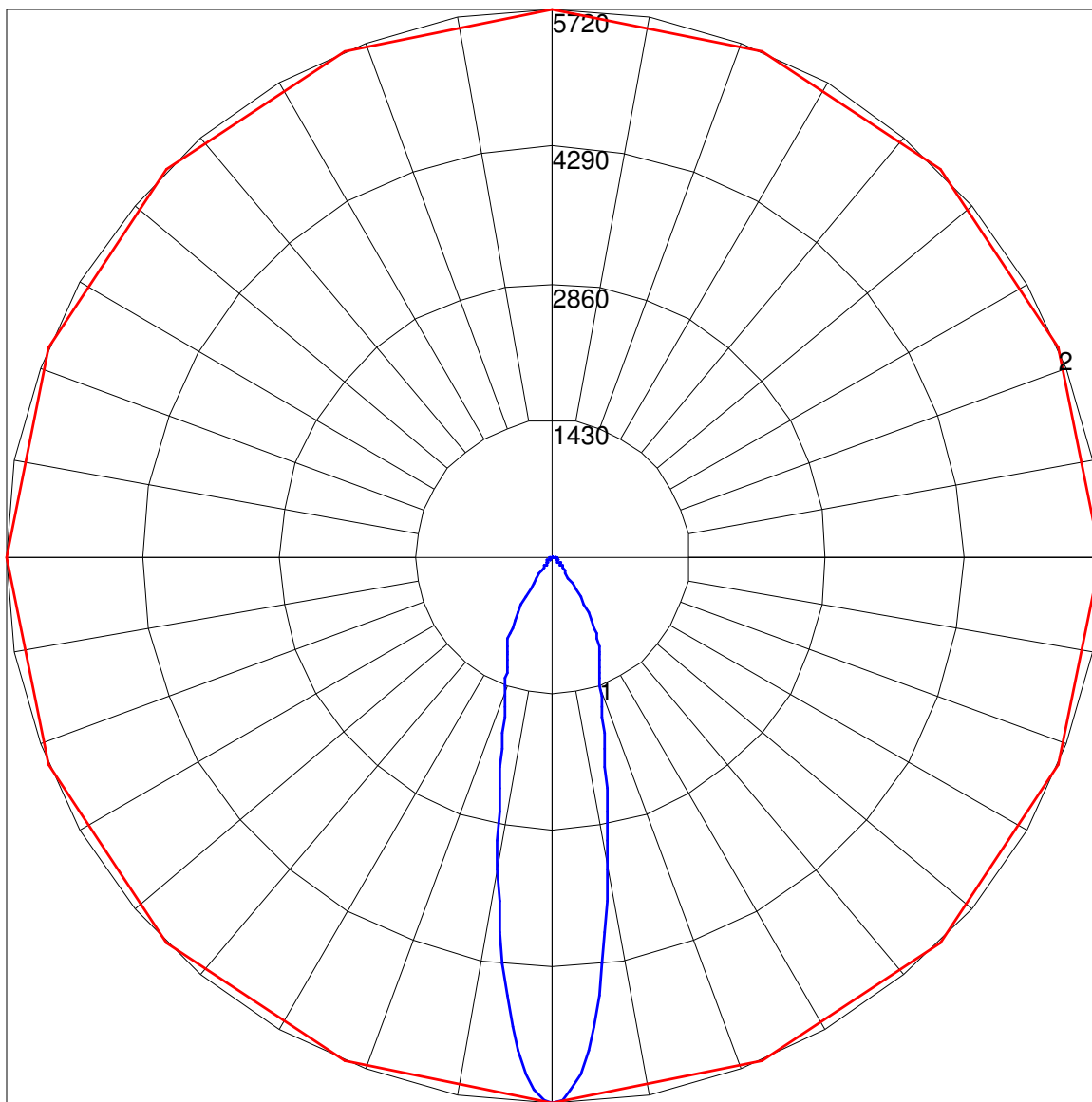
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

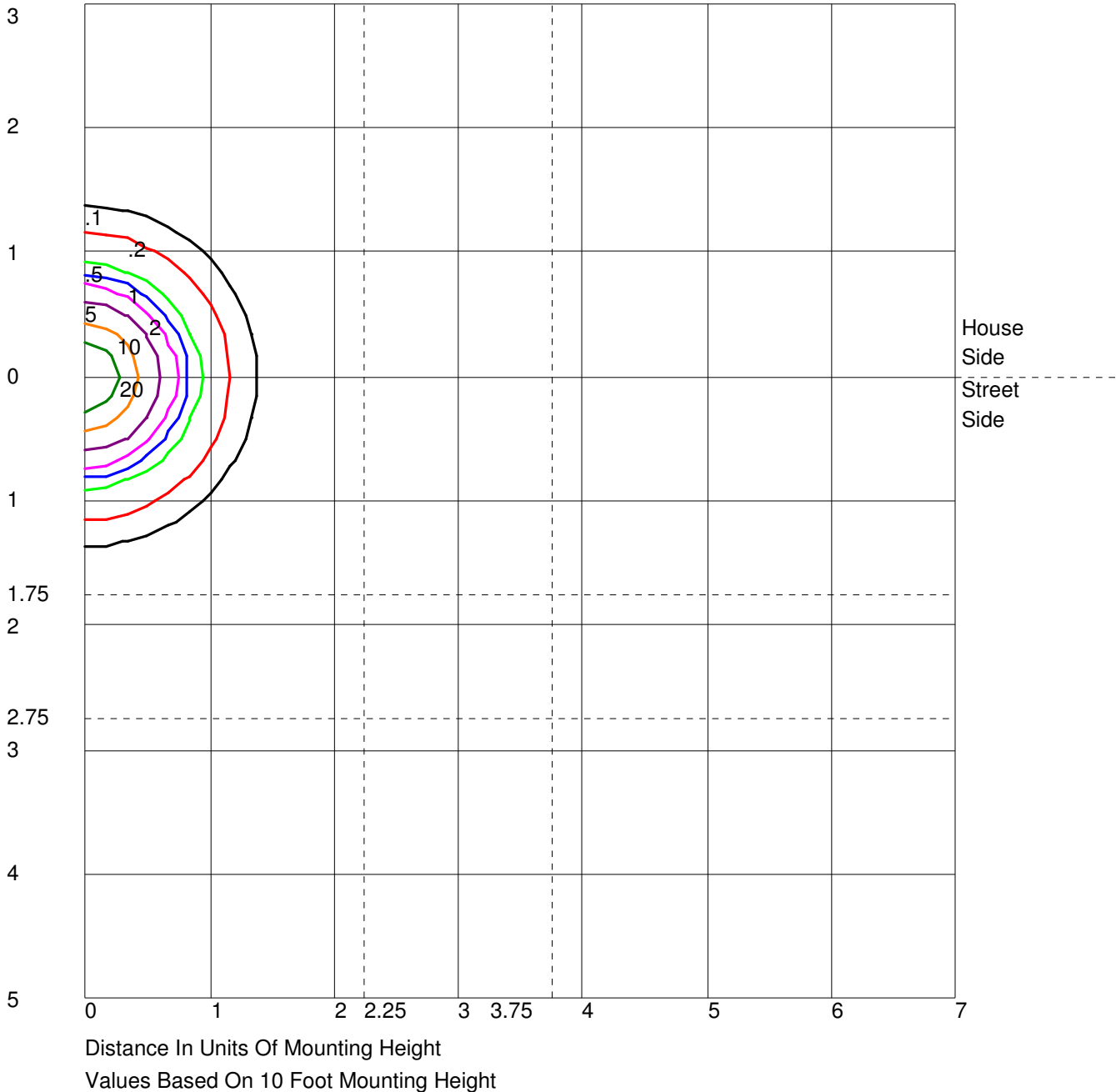
	Lumens	Percent Of Luminaire
Downward Street Side	970.4	50.0
Downward House Side	970.4	50.0
Downward Total	1940.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1941.0	100.0

POLAR GRAPH



Maximum Candela = 5720.285 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

