

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-950-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-L10-950-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	910
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	10.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	2681.835
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	2681.835
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.082 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.802 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L10-950-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	356.7	N.A.	39.2
FM - Front-Medium (30-60)	91.2	N.A.	10.0
FH - Front-High (60-80)	6.7	N.A.	0.7
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	356.7	N.A.	39.2
BM - Back-Medium (30-60)	91.2	N.A.	10.0
BH - Back-High (60-80)	6.7	N.A.	0.7
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	909.9	N.A.	100.0
BUG Rating	B1-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	2681.835	2681.835	2681.835	2681.835	2681.835
1	2664.584	2663.836	2664.299	2664.276	2663.304
2	2617.530	2616.831	2616.506	2616.680	2615.696
3	2542.202	2540.718	2540.426	2540.938	2538.782
4	2438.651	2437.831	2436.465	2436.774	2435.438
5	2309.258	2308.753	2310.463	2310.627	2311.339
6	2163.097	2162.589	2165.145	2168.325	2171.099
7	2005.453	2006.286	2011.137	2016.447	2018.591
8	1841.720	1844.014	1850.302	1858.071	1860.588
9	1681.919	1683.967	1691.529	1701.470	1706.042
10	1529.864	1531.892	1540.635	1550.803	1556.527
11	1388.354	1390.077	1398.387	1409.076	1415.345
12	1259.125	1261.229	1269.056	1279.404	1283.897
13	1143.844	1146.076	1154.340	1165.450	1167.150
14	1042.407	1045.949	1054.157	1061.010	1064.147
15	956.875	957.282	963.072	970.689	974.874
16	876.909	879.364	887.208	894.156	899.627
17	811.712	813.668	818.427	825.418	828.966
18	756.230	757.835	762.039	768.202	771.005
19	709.747	710.987	714.601	719.205	722.133
20	670.989	671.429	674.170	677.649	680.038
21	637.247	636.853	639.108	641.875	643.890
22	608.559	606.718	608.661	610.709	612.708
23	582.848	580.203	581.808	583.179	585.441
24	558.459	556.533	557.009	558.121	560.511
25	536.207	534.399	533.933	534.665	536.555
26	514.192	512.528	511.159	511.944	513.296
27	491.956	489.623	488.001	488.162	489.997
28	467.298	464.591	461.673	461.712	463.465
29	438.033	436.536	433.248	433.369	435.867
30	407.195	405.134	399.246	400.378	402.581
31	368.825	366.954	362.406	362.278	364.637
32	325.808	324.905	321.266	322.726	324.006
33	280.290	279.945	277.582	280.017	281.452
34	234.624	234.952	234.233	237.079	238.379
35	191.899	192.332	193.159	196.743	197.583
36	154.415	154.651	157.165	160.976	161.957
37	122.973	124.437	126.817	131.287	131.155
38	98.470	100.393	103.619	106.025	106.534
39	82.785	82.316	85.083	87.442	87.951
40	68.958	70.084	72.916	74.400	75.759
41	60.845	61.508	63.034	64.052	64.606
42	55.085	55.440	56.585	57.228	57.534
43	50.654	50.881	51.797	52.167	52.499
44	46.956	47.182	47.825	48.140	48.272
45	43.697	43.946	44.524	44.678	44.822
46	40.677	40.943	41.429	41.636	41.754
47	37.828	38.075	38.544	38.754	38.869
48	35.140	35.390	35.833	36.076	36.191
49	32.630	32.853	33.270	33.526	33.634
50	30.267	30.447	30.864	31.113	31.225
51	28.058	28.232	28.616	28.872	28.987
52	26.007	26.154	26.515	26.775	26.863

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53	24.090	24.234	24.566	24.828	24.907
54	22.327	22.455	22.748	22.994	23.079
55	20.654	20.759	21.047	21.261	21.359
56	19.026	19.128	19.397	19.597	19.689
57	17.483	17.585	17.834	18.012	18.104
58	16.095	16.184	16.410	16.571	16.663
59	14.815	14.890	15.094	15.245	15.334
60	13.633	13.706	13.896	14.024	14.106
61	12.564	12.623	12.797	12.911	12.970
62	11.585	11.645	11.792	11.897	11.946
63	10.689	10.742	10.880	10.965	11.005
64	9.882	9.908	10.040	10.112	10.135
65	9.137	9.157	9.275	9.331	9.354
66	8.435	8.458	8.550	8.605	8.615
67	7.788	7.811	7.893	7.936	7.946
68	7.191	7.214	7.279	7.316	7.319
69	6.636	6.643	6.708	6.735	6.731
70	6.111	6.118	6.170	6.190	6.183
71	5.616	5.616	5.658	5.675	5.661
72	5.153	5.140	5.176	5.186	5.182
73	4.693	4.683	4.713	4.716	4.706
74	4.250	4.244	4.263	4.270	4.260
75	3.827	3.817	3.830	3.840	3.827
76	3.407	3.397	3.407	3.413	3.407
77	2.990	2.987	3.000	3.000	3.000
78	2.583	2.580	2.593	2.593	2.599
79	2.176	2.173	2.192	2.196	2.199
80	1.769	1.769	1.789	1.802	1.799
81	1.332	1.346	1.355	1.365	1.359
82	0.775	0.794	0.814	0.811	0.817
83	0.387	0.387	0.420	0.437	0.463
84	0.351	0.351	0.354	0.351	0.351
85	0.325	0.325	0.325	0.325	0.325
86	0.289	0.292	0.292	0.289	0.292
87	0.246	0.246	0.249	0.246	0.246
88	0.190	0.194	0.194	0.190	0.190
89	0.128	0.128	0.128	0.128	0.128
90	0.072	0.075	0.079	0.082	0.082
91	0.069	0.072	0.069	0.069	0.066
92	0.072	0.072	0.072	0.072	0.066
93	0.072	0.072	0.072	0.072	0.066
94	0.072	0.075	0.075	0.072	0.069
95	0.075	0.075	0.075	0.072	0.072
96	0.075	0.079	0.079	0.075	0.079
97	0.082	0.082	0.082	0.082	0.082
98	0.085	0.085	0.082	0.085	0.085
99	0.089	0.092	0.089	0.085	0.089
100	0.089	0.092	0.092	0.089	0.089
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

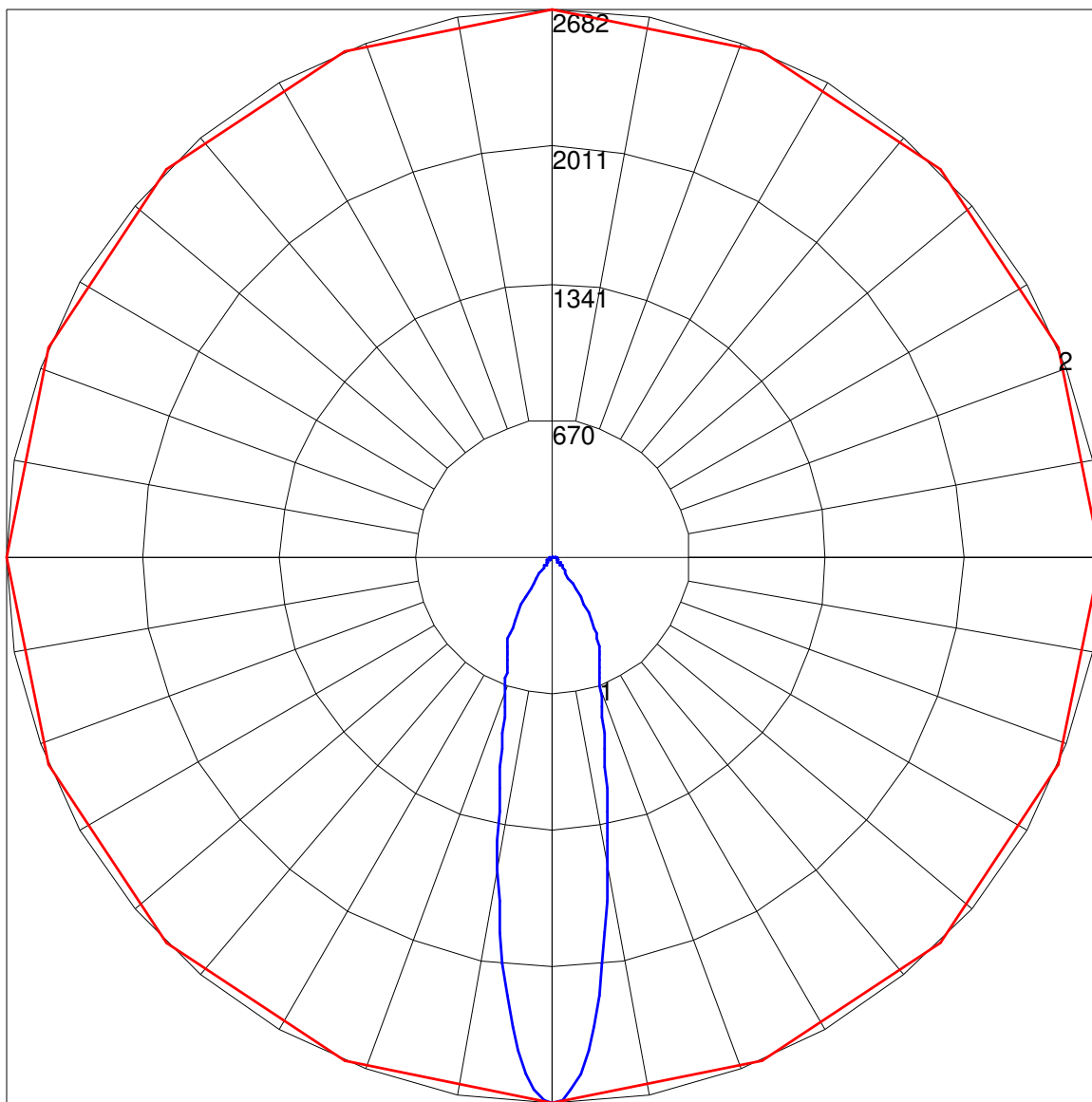
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

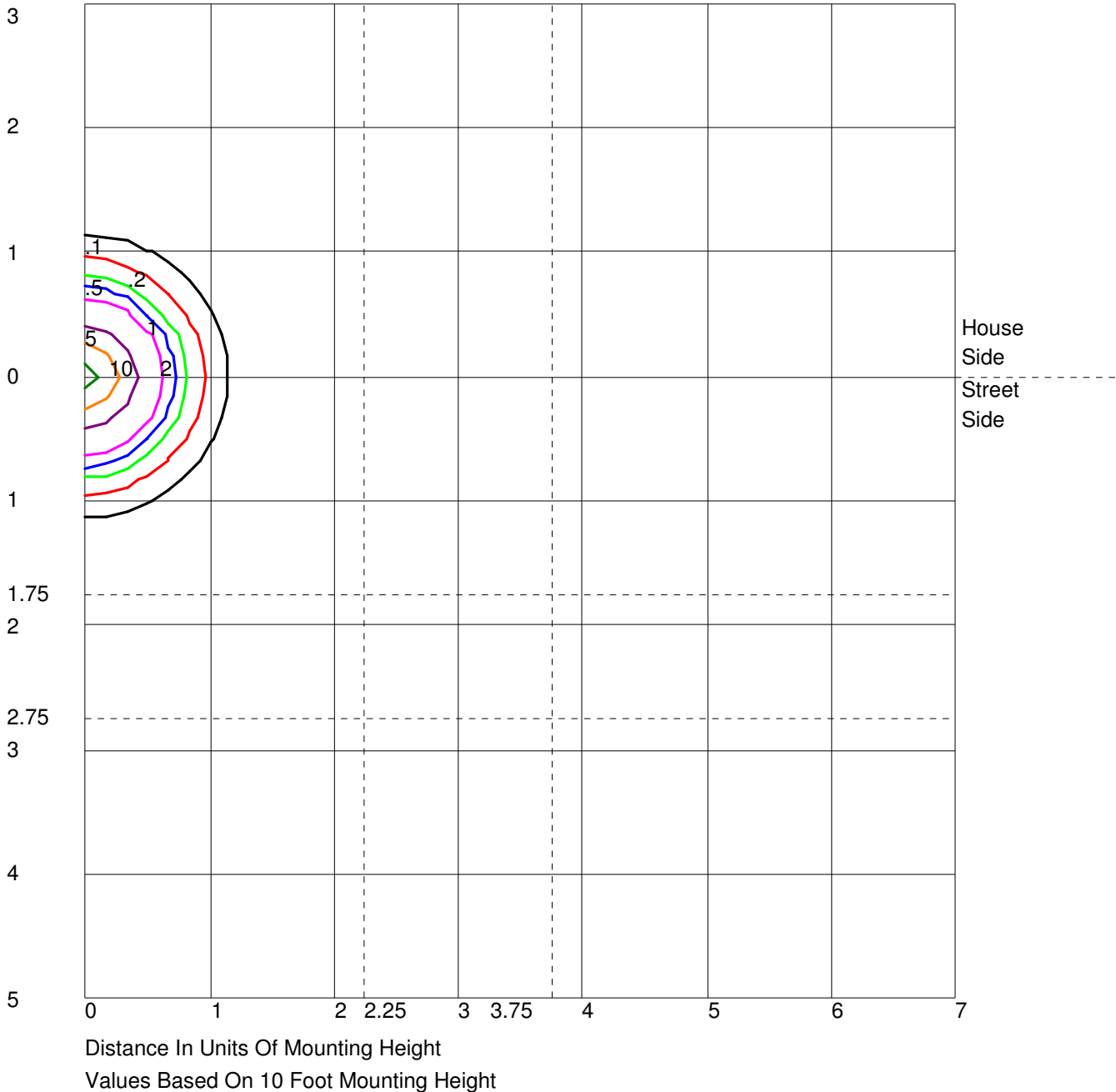
	Lumens	Percent Of Luminaire
Downward Street Side	455.0	50.0
Downward House Side	455.0	50.0
Downward Total	910.0	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	910.0	100.0

POLAR GRAPH



Maximum Candela = 2681.835 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

