

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-840-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-L40-840-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	3656
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	10773.899
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	10773.899
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.33 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	7.239 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1433.2	N.A.	39.2
FM - Front-Medium (30-60)	366.4	N.A.	10.0
FH - Front-High (60-80)	27.1	N.A.	0.7
FVH - Front-Very High (80-90)	1.1	N.A.	0.0
BL - Back-Low (0-30)	1433.2	N.A.	39.2
BM - Back-Medium (30-60)	366.4	N.A.	10.0
BH - Back-High (60-80)	27.1	N.A.	0.7
BVH - Back-Very High (80-90)	1.1	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	3655.9	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT
 PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-N-XXX_.IES

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	10773.899	10773.899	10773.899	10773.899	10773.899
1	10704.599	10701.592	10703.451	10703.359	10699.456
2	10515.565	10512.757	10511.452	10512.150	10508.195
3	10212.943	10206.983	10205.810	10207.867	10199.204
4	9796.943	9793.647	9788.162	9789.401	9784.035
5	9277.125	9275.094	9281.963	9282.623	9285.484
6	8689.944	8687.900	8698.171	8710.947	8722.089
7	8056.629	8059.978	8079.465	8100.798	8109.408
8	7398.855	7408.072	7433.334	7464.543	7474.656
9	6756.878	6765.105	6795.483	6835.421	6853.787
10	6146.017	6154.165	6189.290	6230.137	6253.131
11	5577.519	5584.441	5617.825	5660.769	5685.952
12	5058.359	5066.811	5098.257	5139.830	5157.880
13	4595.236	4604.202	4637.402	4682.033	4688.863
14	4187.728	4201.954	4234.930	4262.460	4275.065
15	3844.113	3845.748	3869.007	3899.609	3916.420
16	3522.861	3532.723	3564.235	3592.148	3614.127
17	3260.941	3268.799	3287.917	3316.001	3330.254
18	3038.048	3044.496	3061.386	3086.147	3097.407
19	2851.309	2856.293	2870.810	2889.308	2901.069
20	2695.607	2697.374	2708.384	2722.360	2731.958
21	2560.052	2558.470	2567.528	2578.643	2586.739
22	2444.802	2437.406	2445.211	2453.439	2461.468
23	2341.511	2330.884	2337.331	2342.843	2351.927
24	2243.533	2235.794	2237.706	2242.175	2251.774
25	2154.139	2146.874	2145.002	2147.942	2155.537
26	2065.694	2059.009	2053.511	2056.662	2062.095
27	1976.366	1966.991	1960.478	1961.124	1968.494
28	1877.307	1866.429	1854.708	1854.866	1861.907
29	1759.736	1753.724	1740.512	1741.000	1751.034
30	1635.850	1627.570	1603.916	1608.465	1617.312
31	1481.704	1474.189	1455.914	1455.400	1464.880
32	1308.888	1305.262	1290.640	1296.507	1301.650
33	1126.025	1124.641	1115.148	1124.931	1130.693
34	942.569	943.888	941.000	952.432	957.653
35	770.927	772.667	775.990	790.388	793.763
36	620.341	621.290	631.390	646.698	650.640
37	494.029	499.909	509.468	527.426	526.899
38	395.590	403.316	416.277	425.941	427.985
39	332.578	330.693	341.808	351.288	353.332
40	277.030	281.552	292.931	298.891	304.349
41	244.437	247.100	253.231	257.318	259.547
42	221.297	222.721	227.323	229.907	231.133
43	203.497	204.407	208.086	209.576	210.907
44	188.638	189.548	192.132	193.398	193.925
45	175.545	176.547	178.868	179.487	180.068
46	163.415	164.483	166.434	167.265	167.740
47	151.970	152.959	154.845	155.688	156.150
48	141.172	142.174	143.954	144.930	145.391
49	131.085	131.982	133.656	134.685	135.120
50	121.592	122.317	123.992	124.994	125.442
51	112.719	113.417	114.960	115.988	116.450
52	104.478	105.071	106.522	107.563	107.919

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	96.778	97.358	98.690	99.745	100.061
54	89.698	90.212	91.385	92.374	92.717
55	82.973	83.395	84.555	85.412	85.808
56	76.433	76.842	77.923	78.728	79.097
57	70.236	70.645	71.647	72.359	72.728
58	64.659	65.015	65.925	66.571	66.940
59	59.517	59.820	60.638	61.244	61.600
60	54.770	55.061	55.825	56.340	56.669
61	50.472	50.710	51.408	51.870	52.107
62	46.543	46.780	47.374	47.796	47.993
63	42.944	43.155	43.708	44.051	44.209
64	39.700	39.806	40.333	40.623	40.715
65	36.707	36.786	37.261	37.485	37.577
66	33.885	33.978	34.347	34.571	34.611
67	31.288	31.380	31.710	31.881	31.921
68	28.888	28.981	29.244	29.389	29.403
69	26.660	26.686	26.950	27.056	27.042
70	24.550	24.577	24.788	24.867	24.841
71	22.560	22.560	22.731	22.797	22.744
72	20.700	20.648	20.793	20.832	20.819
73	18.855	18.815	18.934	18.947	18.907
74	17.075	17.048	17.127	17.154	17.114
75	15.374	15.334	15.387	15.426	15.374
76	13.686	13.646	13.686	13.712	13.686
77	12.012	11.998	12.051	12.051	12.051
78	10.377	10.363	10.416	10.416	10.443
79	8.742	8.728	8.808	8.821	8.834
80	7.107	7.107	7.186	7.239	7.225
81	5.353	5.406	5.445	5.485	5.459
82	3.112	3.191	3.270	3.257	3.283
83	1.556	1.556	1.688	1.754	1.859
84	1.411	1.411	1.424	1.411	1.411
85	1.305	1.305	1.305	1.305	1.305
86	1.160	1.173	1.173	1.160	1.173
87	0.989	0.989	1.002	0.989	0.989
88	0.765	0.778	0.778	0.765	0.765
89	0.514	0.514	0.514	0.514	0.514
90	0.290	0.303	0.316	0.330	0.330
91	0.277	0.290	0.277	0.277	0.264
92	0.290	0.290	0.290	0.290	0.264
93	0.290	0.290	0.290	0.290	0.264
94	0.290	0.303	0.303	0.290	0.277
95	0.303	0.303	0.303	0.290	0.290
96	0.303	0.316	0.316	0.303	0.316
97	0.330	0.330	0.330	0.330	0.330
98	0.343	0.343	0.330	0.343	0.343
99	0.356	0.369	0.356	0.343	0.356
100	0.356	0.369	0.369	0.356	0.356
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

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-840-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L40-840-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

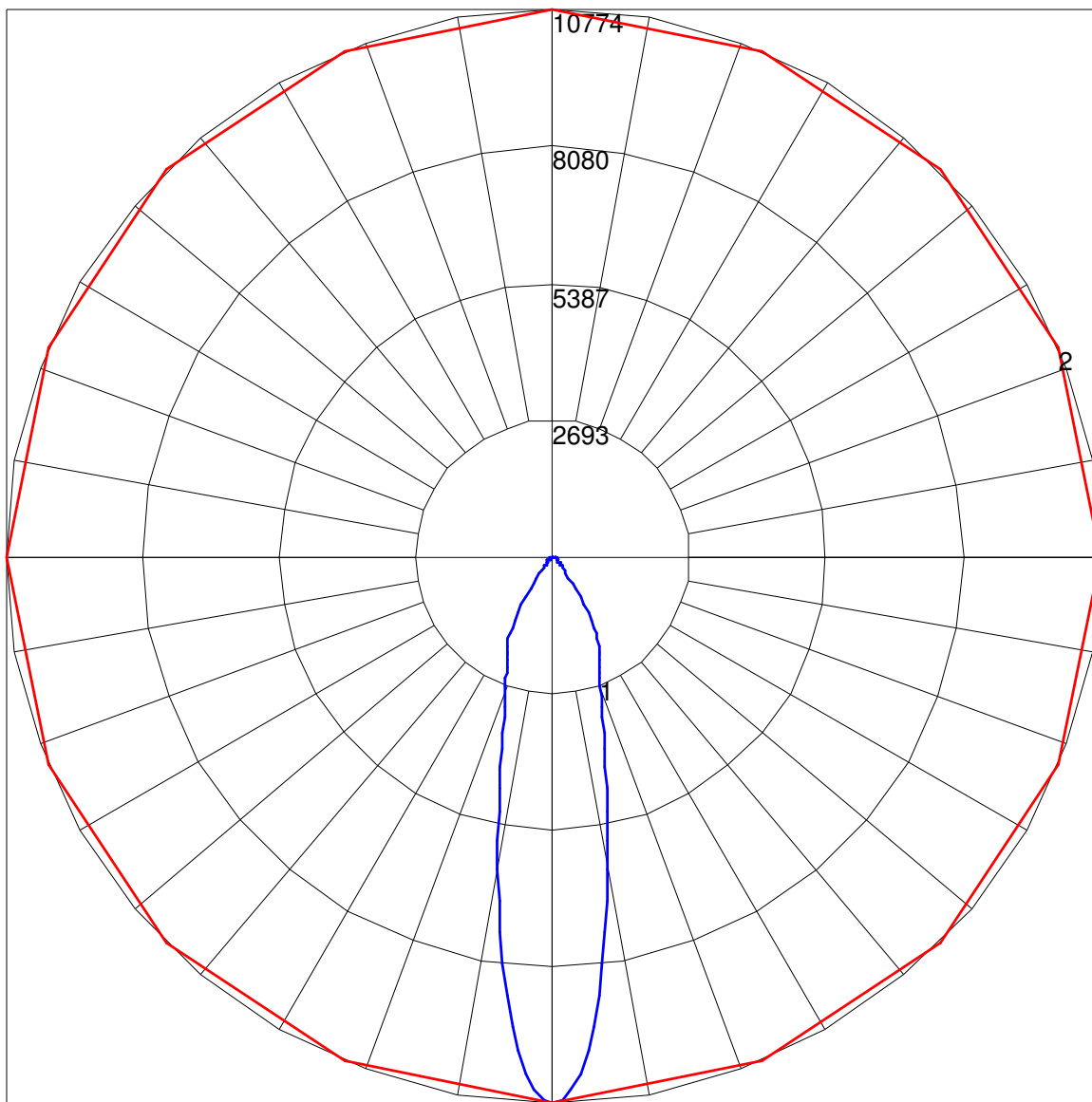
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1827.7	50.0
Downward House Side	1827.7	50.0
Downward Total	3655.4	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	3655.8	100.0

POLAR GRAPH



Maximum Candela = 10773.899 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

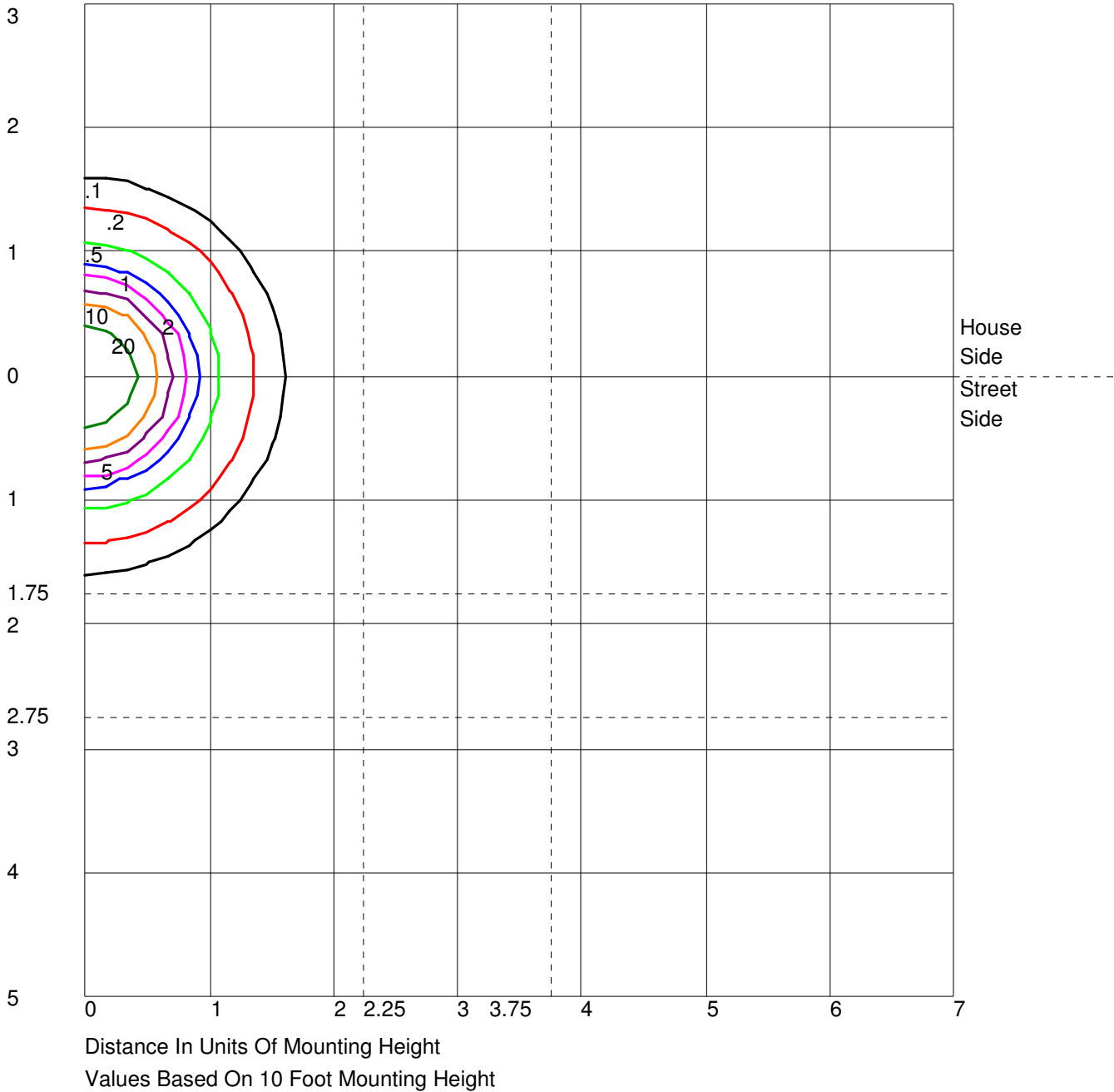


PHOTO IES R

