

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-850-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-L30-850-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	2725
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	8031.271
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	8031.271
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.246 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.396 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1068.3	N.A.	39.2
FM - Front-Medium (30-60)	273.1	N.A.	10.0
FH - Front-High (60-80)	20.2	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1068.3	N.A.	39.2
BM - Back-Medium (30-60)	273.1	N.A.	10.0
BH - Back-High (60-80)	20.2	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	2725.1	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	8031.271	8031.271	8031.271	8031.271	8031.271
1	7979.612	7977.371	7978.757	7978.688	7975.778
2	7838.699	7836.606	7835.632	7836.153	7833.205
3	7613.113	7608.671	7607.796	7609.329	7602.872
4	7303.011	7300.554	7296.465	7297.389	7293.389
5	6915.519	6914.005	6919.126	6919.617	6921.750
6	6477.812	6476.288	6483.945	6493.469	6501.774
7	6005.715	6008.211	6022.738	6038.641	6045.059
8	5515.386	5522.256	5541.088	5564.352	5571.890
9	5036.831	5042.965	5065.610	5095.380	5109.072
10	4581.473	4587.547	4613.730	4644.179	4661.320
11	4157.693	4162.853	4187.739	4219.751	4238.523
12	3770.692	3776.992	3800.433	3831.423	3844.878
13	3425.463	3432.146	3456.894	3490.164	3495.255
14	3121.690	3132.295	3156.876	3177.399	3186.795
15	2865.547	2866.766	2884.103	2906.916	2919.447
16	2626.073	2633.425	2656.915	2677.723	2694.107
17	2430.828	2436.686	2450.938	2471.872	2482.497
18	2264.676	2269.482	2282.072	2300.530	2308.924
19	2125.473	2129.189	2140.010	2153.799	2162.566
20	2009.407	2010.724	2018.931	2029.350	2036.505
21	1908.360	1907.180	1913.932	1922.218	1928.253
22	1822.448	1816.934	1822.753	1828.886	1834.871
23	1745.451	1737.529	1742.335	1746.443	1753.215
24	1672.414	1666.645	1668.070	1671.402	1678.557
25	1605.776	1600.361	1598.965	1601.157	1606.818
26	1539.846	1534.863	1530.765	1533.114	1537.163
27	1473.258	1466.269	1461.414	1461.896	1467.390
28	1399.415	1391.307	1382.569	1382.687	1387.935
29	1311.774	1307.292	1297.444	1297.807	1305.287
30	1219.424	1213.252	1195.619	1199.010	1205.605
31	1104.518	1098.916	1085.293	1084.910	1091.977
32	975.695	972.992	962.092	966.466	970.299
33	839.382	838.350	831.273	838.566	842.861
34	702.627	703.610	701.457	709.979	713.871
35	574.678	575.975	578.452	589.185	591.701
36	462.426	463.133	470.662	482.073	485.012
37	368.268	372.651	379.777	393.164	392.770
38	294.887	300.647	310.308	317.513	319.036
39	247.917	246.511	254.797	261.863	263.387
40	206.509	209.880	218.362	222.804	226.873
41	182.212	184.198	188.768	191.815	193.476
42	164.963	166.025	169.455	171.381	172.295
43	151.695	152.373	155.115	156.226	157.218
44	140.618	141.296	143.222	144.166	144.559
45	130.858	131.605	133.335	133.797	134.229
46	121.816	122.612	124.066	124.686	125.039
47	113.284	114.022	115.427	116.056	116.400
48	105.235	105.982	107.309	108.036	108.380
49	97.716	98.384	99.632	100.399	100.723
50	90.639	91.180	92.428	93.175	93.509
51	84.025	84.546	85.696	86.462	86.806
52	77.882	78.324	79.405	80.182	80.447

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-850-XXX-DIM-UNV-N-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	72.142	72.574	73.567	74.353	74.589
54	66.864	67.247	68.122	68.859	69.115
55	61.851	62.166	63.031	63.670	63.965
56	56.976	57.281	58.087	58.687	58.962
57	52.357	52.662	53.409	53.939	54.215
58	48.199	48.465	49.143	49.625	49.900
59	44.366	44.592	45.202	45.654	45.919
60	40.828	41.044	41.614	41.998	42.243
61	37.624	37.801	38.322	38.666	38.843
62	34.695	34.872	35.314	35.629	35.776
63	32.012	32.169	32.582	32.837	32.955
64	29.594	29.673	30.066	30.282	30.351
65	27.363	27.422	27.776	27.943	28.012
66	25.259	25.328	25.603	25.771	25.800
67	23.323	23.392	23.638	23.766	23.795
68	21.534	21.603	21.800	21.908	21.918
69	19.873	19.893	20.090	20.168	20.158
70	18.301	18.321	18.478	18.537	18.517
71	16.817	16.817	16.945	16.994	16.954
72	15.431	15.392	15.500	15.529	15.519
73	14.055	14.025	14.114	14.124	14.094
74	12.728	12.708	12.767	12.787	12.758
75	11.460	11.431	11.470	11.499	11.460
76	10.202	10.173	10.202	10.222	10.202
77	8.954	8.944	8.983	8.983	8.983
78	7.735	7.725	7.765	7.765	7.784
79	6.516	6.507	6.566	6.575	6.585
80	5.298	5.298	5.357	5.396	5.386
81	3.990	4.030	4.059	4.089	4.069
82	2.320	2.379	2.437	2.428	2.447
83	1.160	1.160	1.258	1.307	1.386
84	1.052	1.052	1.061	1.052	1.052
85	0.973	0.973	0.973	0.973	0.973
86	0.865	0.875	0.875	0.865	0.875
87	0.737	0.737	0.747	0.737	0.737
88	0.570	0.580	0.580	0.570	0.570
89	0.383	0.383	0.383	0.383	0.383
90	0.216	0.226	0.236	0.246	0.246
91	0.206	0.216	0.206	0.206	0.197
92	0.216	0.216	0.216	0.216	0.197
93	0.216	0.216	0.216	0.216	0.197
94	0.216	0.226	0.226	0.216	0.206
95	0.226	0.226	0.226	0.216	0.216
96	0.226	0.236	0.236	0.226	0.236
97	0.246	0.246	0.246	0.246	0.246
98	0.256	0.256	0.246	0.256	0.256
99	0.265	0.275	0.265	0.256	0.265
100	0.265	0.275	0.275	0.265	0.265
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-L30-850-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

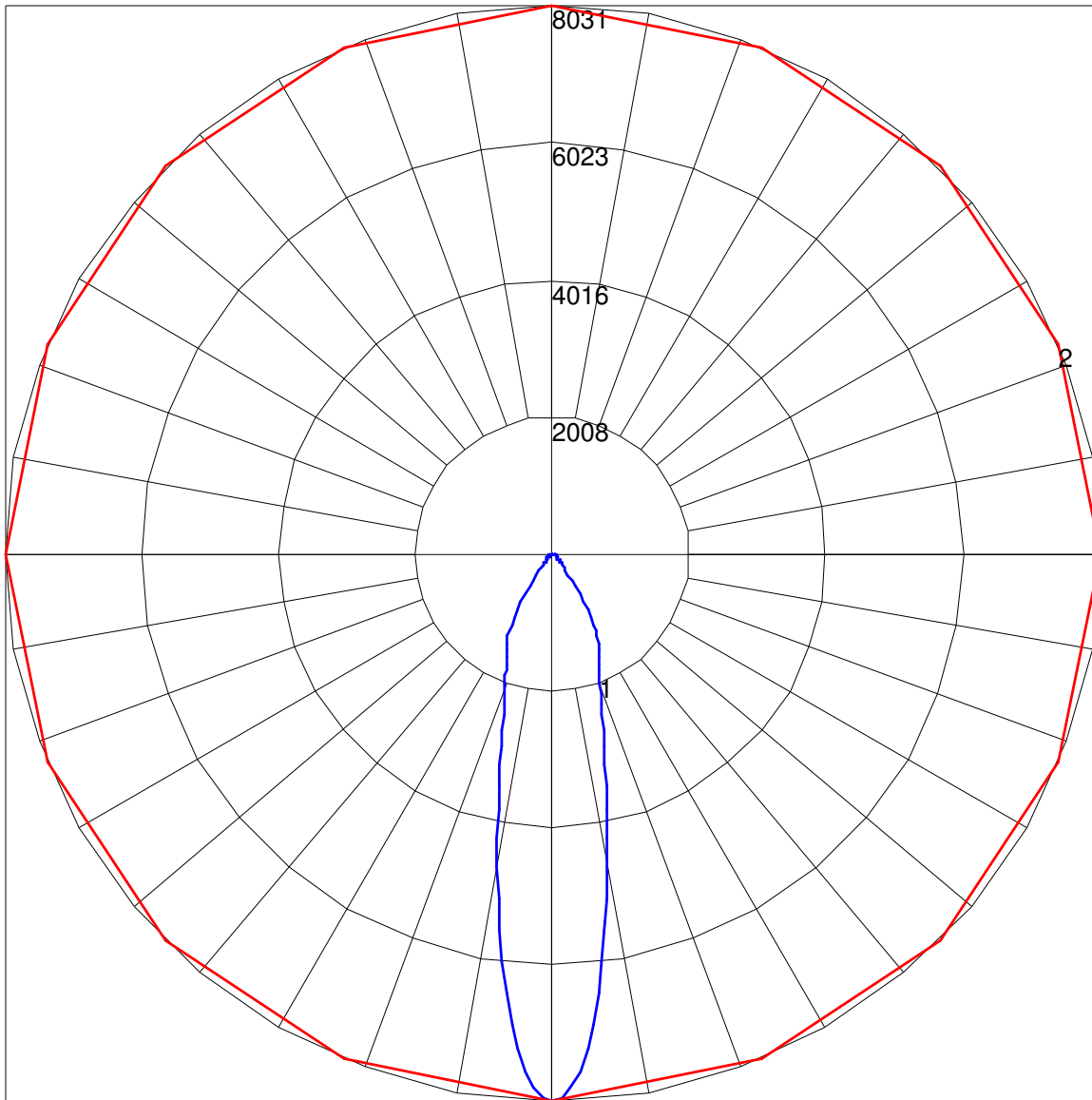
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1362.5	50.0
Downward House Side	1362.5	50.0
Downward Total	2725.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2725.2	100.0

POLAR GRAPH



Maximum Candela = 8031.271 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

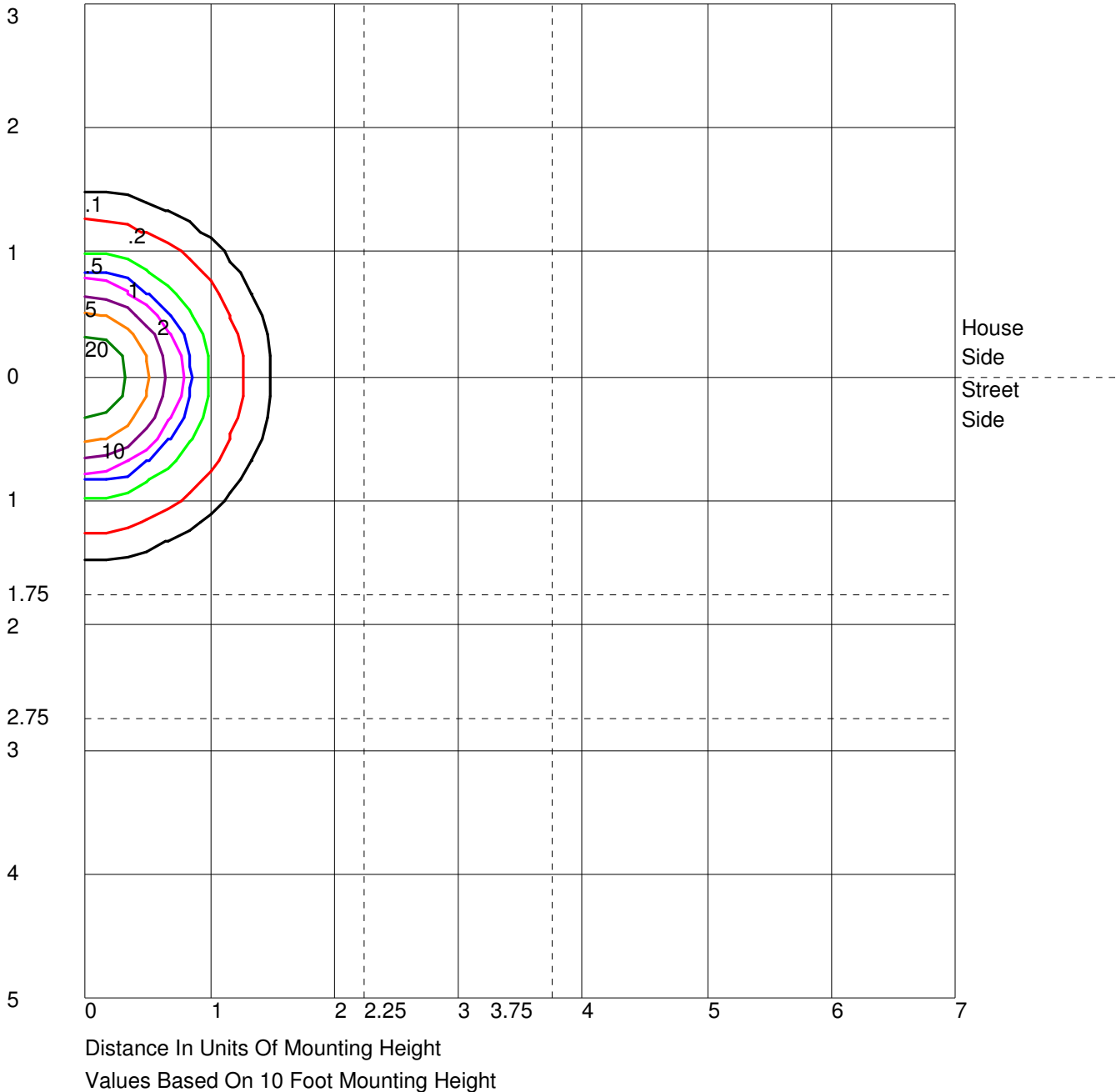


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