

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-940-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L30-940-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST.
[LAMPCAT] BL VERO
[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	2722
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	5795.116
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	5795.116
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.208 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	4.521 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-940-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1139.9	N.A.	41.9
FM - Front-Medium (30-60)	205.9	N.A.	7.6
FH - Front-High (60-80)	14.3	N.A.	0.5
FVH - Front-Very High (80-90)	0.7	N.A.	0.0
BL - Back-Low (0-30)	1139.9	N.A.	41.9
BM - Back-Medium (30-60)	205.9	N.A.	7.6
BH - Back-High (60-80)	14.3	N.A.	0.5
BVH - Back-Very High (80-90)	0.7	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	2721.8	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	5781.977	5781.977	5781.977	5781.977	5781.977
1	5789.410	5789.266	5786.652	5784.790	5782.447
2	5795.116	5791.508	5784.374	5777.555	5770.620
3	5791.951	5787.566	5774.761	5762.011	5750.889
4	5781.842	5772.501	5753.140	5734.133	5722.622
5	5745.527	5734.169	5708.615	5682.753	5670.012
6	5682.138	5667.073	5632.133	5600.312	5584.089
7	5576.322	5557.875	5518.729	5486.755	5462.991
8	5428.421	5410.173	5370.874	5341.458	5311.166
9	5237.713	5223.860	5190.203	5163.464	5132.312
10	5010.482	5006.810	4978.697	4957.881	4934.379
11	4757.361	4760.210	4743.155	4728.353	4707.862
12	4491.473	4493.119	4487.042	4482.376	4462.763
13	4217.618	4219.553	4224.174	4224.897	4206.360
14	3936.484	3938.292	3953.493	3959.253	3943.420
15	3654.997	3658.659	3678.716	3689.847	3676.925
16	3378.619	3383.909	3404.626	3419.980	3410.287
17	3110.335	3122.063	3136.522	3156.814	3148.268
18	2856.238	2868.780	2882.633	2900.438	2895.230
19	2619.042	2627.759	2644.885	2660.710	2653.223
20	2406.098	2406.306	2423.279	2439.863	2434.573
21	2202.721	2203.191	2218.365	2235.139	2227.687
22	2024.292	2020.892	2036.925	2050.869	2046.980
23	1869.718	1864.311	1879.448	1889.911	1889.874
24	1733.555	1728.898	1740.970	1749.172	1749.823
25	1612.737	1610.296	1617.484	1625.523	1625.053
26	1507.101	1503.548	1506.432	1514.317	1510.990
27	1408.167	1402.868	1404.613	1409.794	1408.592
28	1310.895	1304.294	1302.242	1308.192	1316.041
29	1209.103	1204.762	1200.540	1203.750	1207.575
30	1105.366	1097.147	1089.017	1095.528	1097.653
31	985.235	979.701	972.097	975.967	978.978
32	857.590	854.814	847.155	854.344	855.004
33	724.818	723.832	718.859	726.464	728.182
34	593.456	594.171	592.226	600.084	601.160
35	472.249	472.819	473.615	483.209	483.299
36	366.695	369.191	371.433	382.456	381.046
37	279.000	282.382	288.377	294.590	294.761
38	217.366	213.405	220.495	229.374	227.566
39	163.825	166.791	175.734	177.081	182.914
40	133.830	134.608	138.731	142.520	144.672
41	111.775	113.919	116.767	117.653	118.575
42	97.886	98.401	100.490	102.226	101.467
43	87.704	88.147	89.476	89.693	89.449
44	79.774	80.316	81.058	80.886	80.434
45	73.173	73.778	74.222	73.815	73.390
46	67.358	67.901	68.272	67.765	67.340
47	61.960	62.511	62.828	62.340	61.806
48	57.095	57.610	57.900	57.420	56.869
49	52.736	53.161	53.415	52.953	52.375
50	48.758	49.083	49.336	48.893	48.342
51	45.186	45.484	45.674	45.267	44.752
52	41.994	42.229	42.365	42.030	41.505

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-940-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	39.163	39.317	39.444	39.154	38.639
54	36.622	36.740	36.830	36.541	36.089
55	34.280	34.344	34.443	34.154	33.774
56	32.020	32.110	32.155	31.929	31.622
57	29.985	30.049	30.076	29.877	29.633
58	28.186	28.231	28.249	28.059	27.833
59	26.567	26.585	26.576	26.404	26.214
60	25.093	25.084	25.075	24.912	24.750
61	23.746	23.710	23.692	23.538	23.384
62	22.498	22.462	22.417	22.272	22.118
63	21.350	21.286	21.241	21.087	20.934
64	20.219	20.165	20.111	19.957	19.812
65	19.152	19.107	19.035	18.890	18.745
66	18.103	18.058	17.968	17.832	17.687
67	17.090	17.045	16.955	16.810	16.684
68	16.096	16.051	15.960	15.806	15.689
69	15.101	15.065	14.975	14.830	14.694
70	14.134	14.079	13.998	13.862	13.718
71	13.166	13.094	13.021	12.895	12.759
72	12.189	12.117	12.054	11.927	11.819
73	11.213	11.150	11.086	10.978	10.851
74	10.236	10.191	10.119	10.028	9.938
75	9.287	9.251	9.178	9.097	9.015
76	8.328	8.310	8.238	8.175	8.111
77	7.397	7.379	7.324	7.279	7.225
78	6.447	6.438	6.411	6.357	6.348
79	5.498	5.489	5.471	5.453	5.444
80	4.503	4.521	4.503	4.521	4.485
81	3.409	3.445	3.418	3.418	3.382
82	1.926	1.971	1.998	2.016	2.035
83	0.868	0.886	1.004	1.076	1.157
84	0.796	0.805	0.805	0.796	0.796
85	0.732	0.732	0.732	0.732	0.732
86	0.651	0.651	0.660	0.651	0.651
87	0.552	0.552	0.552	0.561	0.552
88	0.425	0.434	0.434	0.434	0.425
89	0.289	0.298	0.298	0.298	0.298
90	0.172	0.181	0.199	0.208	0.208
91	0.172	0.181	0.181	0.181	0.172
92	0.172	0.172	0.181	0.181	0.181
93	0.172	0.181	0.181	0.181	0.181
94	0.172	0.181	0.181	0.181	0.181
95	0.181	0.181	0.181	0.190	0.181
96	0.181	0.181	0.190	0.190	0.181
97	0.181	0.190	0.190	0.190	0.181
98	0.181	0.199	0.199	0.190	0.190
99	0.190	0.199	0.199	0.199	0.190
100	0.190	0.199	0.199	0.199	0.190
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

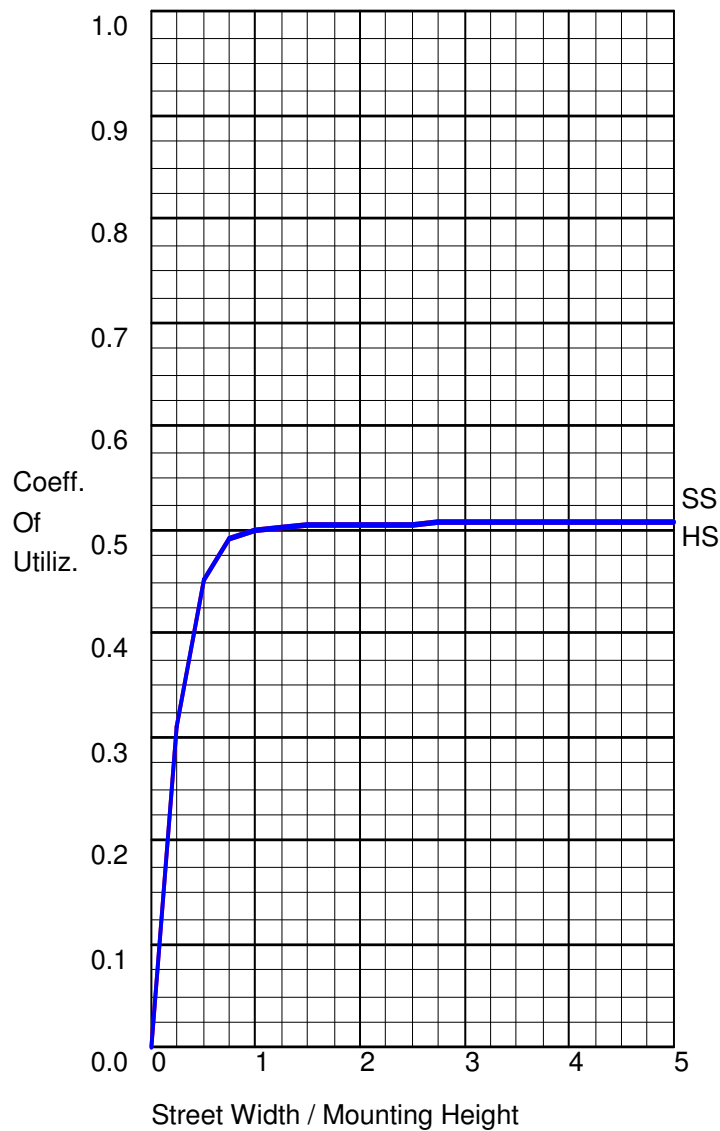
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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-L30-940-XXX-DIM-UNV-M-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

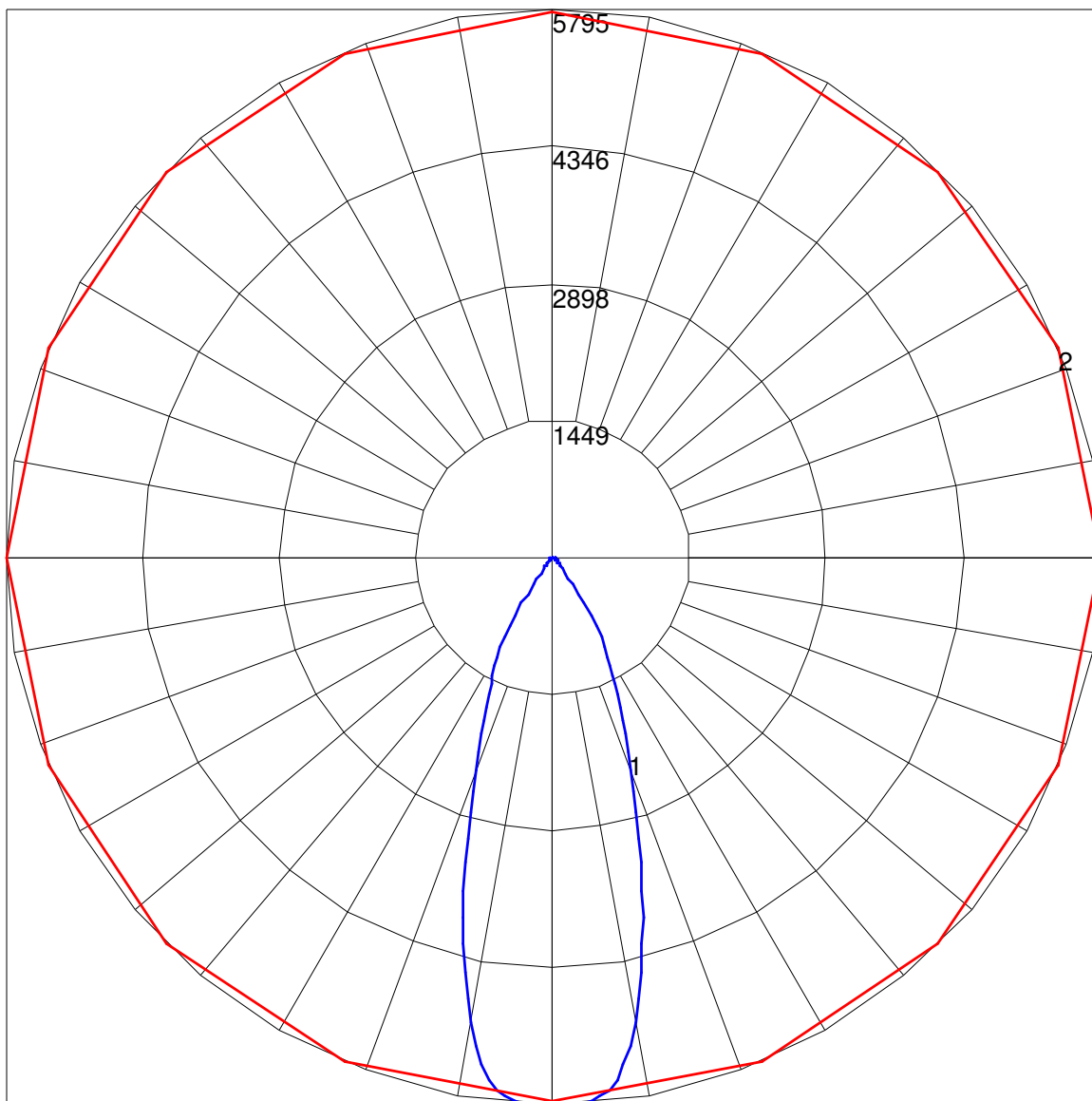
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1360.8	50.0
Downward House Side	1360.8	50.0
Downward Total	2721.6	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2721.8	100.0

POLAR GRAPH



Maximum Candela = 5795.116 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

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Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO IES R

