

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-S-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-S\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L40-830-xxx-DIM-UNV-S-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH SPOT DISTRIBUTION  
[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	4008
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	39772.078
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	39772.078
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.283 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.5 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1771.5	N.A.	44.2
FM - Front-Medium (30-60)	211.8	N.A.	5.3
FH - Front-High (60-80)	19.5	N.A.	0.5
FVH - Front-Very High (80-90)	1.0	N.A.	0.0
BL - Back-Low (0-30)	1771.5	N.A.	44.2
BM - Back-Medium (30-60)	211.8	N.A.	5.3
BH - Back-High (60-80)	19.5	N.A.	0.5
BVH - Back-Very High (80-90)	1.0	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	4007.9	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	39772.07839772	39772.07839772	39772.07839772	39772.07839772	39772.078
1	39087.96339103	47339105.08139109	71539113.808		
2	37435.49337350	98237484.09337400	00837474.762		
3	34737.75034710	34834735.29234929	84834877.760		
4	30924.64031274	07231346.02131340	91131413.863		
5	26922.97126970	10427070.90927375	82127395.114		
6	22367.93022448	83722845.26123040	70523270.065		
7	18122.87218028	34818404.05018845	31618882.256		
8	13940.89514136	21114539.81714842	34714977.428		
9	10628.29610814	48611127.59711468	47011632.072		
10	8068.284	8140.915	8513.373	8807.203	8953.571
11	6137.017	6215.967	6511.265	6801.452	6871.818
12	4758.182	4864.470	5090.432	5247.058	5330.449
13	3893.167	3879.691	4017.191	4167.150	4240.360
14	3131.158	3159.860	3291.800	3439.120	3462.120
15	2657.663	2673.854	2806.978	2862.233	2964.827
16	2324.705	2334.757	2410.863	2479.710	2513.895
17	2088.537	2095.024	2152.634	2207.940	2236.462
18	1921.241	1926.145	1970.433	2015.881	2037.323
19	1807.140	1811.645	1847.156	1879.578	1904.007
20	1736.646	1732.875	1758.964	1784.294	1802.236
21	1680.143	1680.387	1696.592	1715.332	1731.485
22	1643.886	1640.307	1653.886	1664.659	1681.481
23	1613.999	1607.203	1617.822	1626.780	1642.431
24	1583.843	1576.995	1583.379	1589.184	1605.363
25	1550.919	1545.796	1546.968	1552.476	1566.609
26	1512.885	1507.196	1506.025	1511.058	1522.873
27	1468.404	1459.754	1456.691	1459.767	1473.603
28	1409.455	1399.621	1392.723	1395.541	1410.484
29	1332.603	1324.056	1309.654	1314.274	1327.827
30	1233.162	1225.504	1207.716	1212.671	1224.191
31	1108.790	1102.522	1085.352	1090.861	1102.188
32	963.967	960.891	946.437	955.086	964.791
33	806.659	806.221	796.478	807.495	817.277
34	646.918	649.260	645.438	657.845	665.683
35	497.705	502.789	502.043	520.036	521.581
36	367.773	370.772	379.859	391.289	396.669
37	266.325	261.254	278.514	289.892	302.569
38	183.604	181.892	193.669	205.381	208.882
39	123.355	132.107	140.499	146.561	149.315
40	89.981	94.318	100.741	109.480	108.991
41	71.614	73.660	78.075	81.511	83.301
42	61.716	62.269	65.101	66.954	67.946
43	56.375	56.452	58.009	58.781	59.348
44	53.389	53.504	54.109	54.264	54.598
45	51.651	51.780	51.870	51.780	52.024
46	50.493	50.570	50.402	50.222	50.428
47	49.579	49.566	49.270	49.077	49.154
48	48.858	48.742	48.330	48.176	48.150
49	48.279	48.060	47.571	47.339	47.262
50	47.828	47.494	46.914	46.631	46.477
51	47.481	47.069	46.335	46.026	45.820
52	47.262	46.721	45.885	45.512	45.254

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-S-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	47.095	46.451	45.499	45.048	44.829
54	46.889	46.168	45.061	44.533	44.276
55	46.194	45.434	44.302	43.697	43.555
56	44.984	44.250	43.053	42.461	42.525
57	43.426	42.822	41.547	41.020	41.264
58	41.676	41.174	39.887	39.436	39.797
59	39.642	39.243	38.021	37.647	38.137
60	37.441	37.081	36.026	35.743	36.257
61	35.138	34.790	33.941	33.735	34.198
62	32.795	32.473	31.830	31.688	32.074
63	30.491	30.208	29.758	29.629	29.912
64	28.239	27.956	27.737	27.621	27.840
65	26.179	25.896	25.832	25.716	25.909
66	24.210	23.979	23.979	23.901	24.056
67	22.408	22.254	22.292	22.228	22.357
68	20.812	20.696	20.761	20.684	20.799
69	19.345	19.268	19.319	19.268	19.345
70	17.994	17.968	17.994	17.942	17.994
71	16.745	16.745	16.758	16.694	16.719
72	15.612	15.574	15.587	15.522	15.522
73	14.506	14.454	14.441	14.377	14.377
74	13.424	13.347	13.347	13.270	13.283
75	12.330	12.253	12.240	12.150	12.189
76	11.211	11.146	11.146	11.056	11.108
77	10.091	10.052	10.039	9.975	10.026
78	8.958	8.894	8.894	8.842	8.907
79	7.748	7.697	7.723	7.684	7.774
80	6.435	6.423	6.435	6.461	6.500
81	4.942	4.968	4.955	4.968	4.968
82	2.819	2.896	2.973	2.947	3.012
83	1.339	1.351	1.506	1.570	1.660
84	1.223	1.223	1.223	1.210	1.210
85	1.133	1.120	1.120	1.107	1.120
86	1.017	1.004	1.004	1.004	1.004
87	0.862	0.862	0.862	0.849	0.849
88	0.682	0.682	0.682	0.669	0.656
89	0.463	0.463	0.450	0.450	0.438
90	0.257	0.270	0.283	0.283	0.283
91	0.257	0.257	0.245	0.232	0.232
92	0.257	0.257	0.245	0.245	0.232
93	0.270	0.270	0.245	0.245	0.232
94	0.283	0.270	0.257	0.245	0.245
95	0.283	0.270	0.257	0.257	0.245
96	0.296	0.270	0.270	0.257	0.257
97	0.296	0.270	0.283	0.270	0.270
98	0.296	0.283	0.283	0.270	0.270
99	0.296	0.283	0.283	0.270	0.283
100	0.296	0.296	0.296	0.283	0.283
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

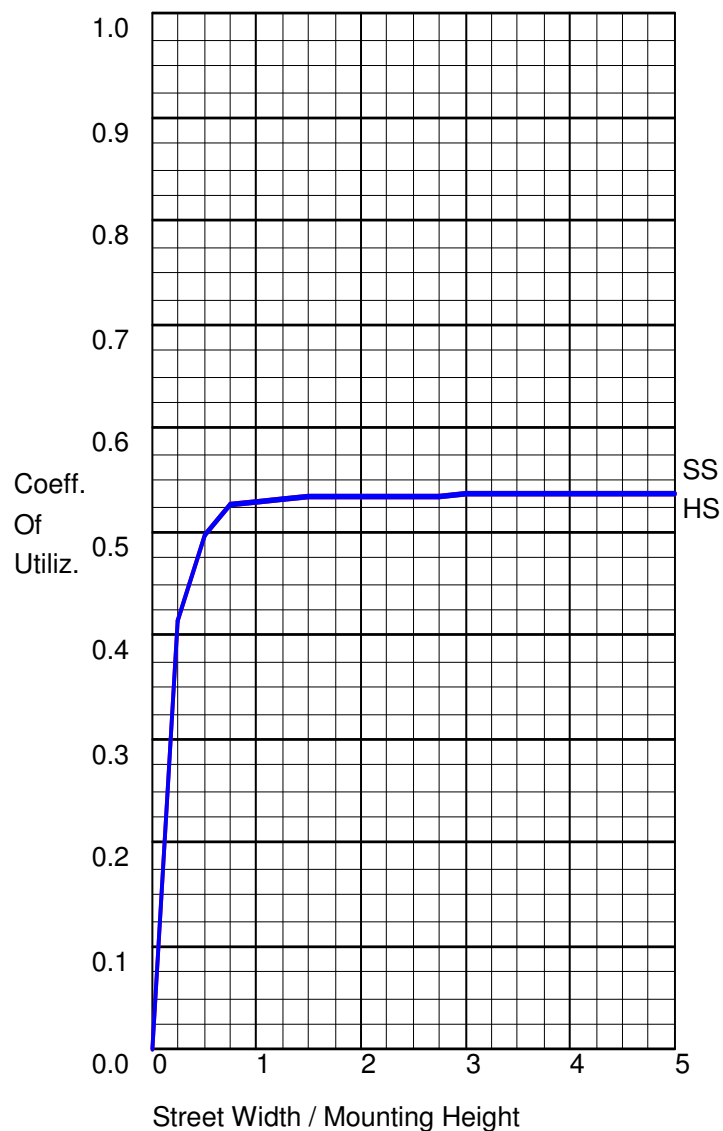
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-S-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L40-830-XXX-DIM-UNV-S-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

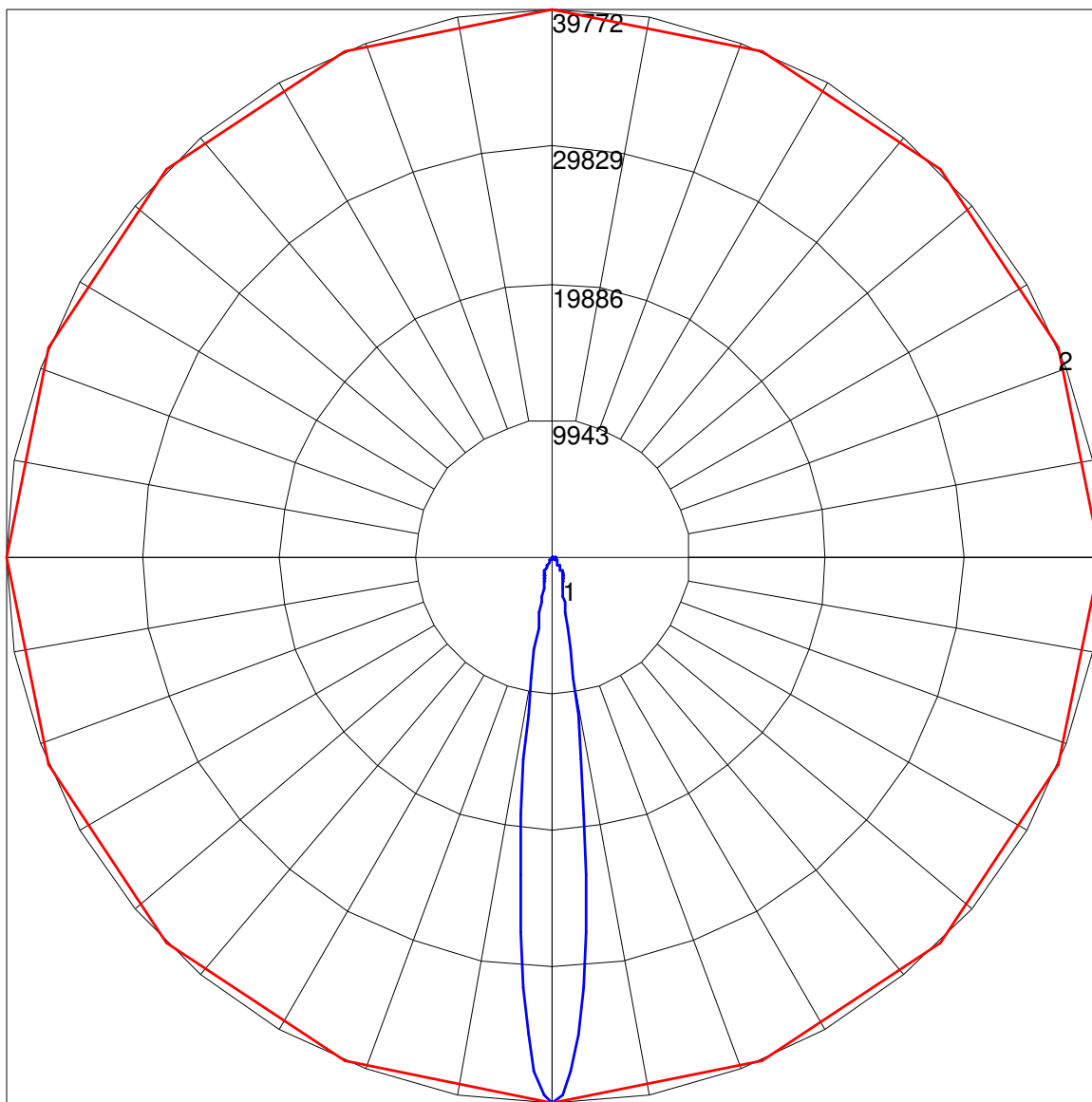
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2003.8	50.0
Downward House Side	2003.8	50.0
Downward Total	4007.6	100.0
Upward Street Side	0.2	0.0
Upward House Side	0.2	0.0
Upward Total	0.4	0.0
Total Flux	4008.0	100.0

POLAR GRAPH



Maximum Candela = 39772.078 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.)



**PHOTOMETRIC FILENAME : W6CR-XX-L40-830-XXX-DIM-UNV-S-XXX\_.IES**

House Side

Street Side

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

# PHOTO IES R

