

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-927-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-L40-927-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	3427
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7296.646
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7296.646
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.262 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.693 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-M-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1435.3	N.A.	41.9
FM - Front-Medium (30-60)	259.3	N.A.	7.6
FH - Front-High (60-80)	18.0	N.A.	0.5
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1435.3	N.A.	41.9
BM - Back-Medium (30-60)	259.3	N.A.	7.6
BH - Back-High (60-80)	18.0	N.A.	0.5
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	3427.1	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	7280.103	7280.103	7280.103	7280.103	7280.103
1	7289.462	7289.280	7285.989	7283.644	7280.695
2	7296.646	7292.104	7283.120	7274.536	7265.803
3	7292.661	7287.139	7271.017	7254.964	7240.960
4	7279.932	7268.171	7243.795	7219.862	7205.368
5	7234.208	7219.908	7187.732	7155.170	7139.127
6	7154.395	7135.427	7091.433	7051.367	7030.942
7	7021.162	6997.935	6948.647	6908.388	6878.466
8	6834.940	6811.963	6762.482	6725.445	6687.303
9	6594.818	6577.376	6534.999	6501.332	6462.108
10	6308.711	6304.088	6268.691	6242.481	6212.890
11	5990.006	5993.593	5972.120	5953.482	5927.682
12	5655.226	5657.298	5649.647	5643.772	5619.077
13	5310.414	5312.851	5318.669	5319.580	5296.239
14	4956.438	4958.715	4977.854	4985.106	4965.170
15	4602.017	4606.628	4631.881	4645.897	4629.627
16	4254.029	4260.689	4286.774	4306.106	4293.901
17	3916.231	3930.998	3949.203	3974.753	3963.993
18	3596.297	3612.089	3629.531	3651.949	3645.391
19	3297.643	3308.618	3330.182	3350.107	3340.680
20	3029.524	3029.786	3051.157	3072.038	3065.377
21	2773.452	2774.044	2793.149	2814.269	2804.887
22	2548.792	2544.511	2564.698	2582.254	2577.358
23	2354.168	2347.359	2366.418	2379.591	2379.546
24	2182.724	2176.860	2192.060	2202.387	2203.206
25	2030.602	2027.527	2036.579	2046.701	2046.109
26	1897.596	1893.121	1896.753	1906.681	1902.491
27	1773.026	1766.354	1768.552	1775.076	1773.561
28	1650.552	1642.240	1639.656	1647.148	1657.030
29	1522.385	1516.920	1511.603	1515.644	1520.461
30	1391.770	1381.420	1371.185	1379.382	1382.058
31	1240.513	1233.545	1223.969	1228.842	1232.634
32	1079.794	1076.299	1066.655	1075.707	1076.538
33	912.620	911.379	905.117	914.692	916.856
34	747.222	748.122	745.674	755.568	756.923
35	594.610	595.328	596.330	608.410	608.524
36	461.707	464.849	467.673	481.552	479.776
37	351.290	355.548	363.097	370.918	371.135
38	273.686	268.699	277.625	288.806	286.529
39	206.272	210.006	221.267	222.963	230.307
40	168.506	169.485	174.677	179.448	182.157
41	140.737	143.435	147.022	148.137	149.299
42	123.249	123.898	126.528	128.714	127.757
43	110.428	110.986	112.660	112.933	112.626
44	100.443	101.126	102.060	101.844	101.274
45	92.132	92.895	93.453	92.940	92.405
46	84.811	85.494	85.961	85.323	84.788
47	78.014	78.708	79.107	78.492	77.820
48	71.888	72.537	72.902	72.298	71.604
49	66.401	66.936	67.254	66.674	65.945
50	61.391	61.801	62.120	61.562	60.867
51	56.894	57.269	57.508	56.996	56.347
52	52.874	53.171	53.341	52.920	52.260

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	49.311	49.504	49.664	49.299	48.650
54	46.111	46.259	46.373	46.009	45.440
55	43.163	43.242	43.368	43.003	42.525
56	40.316	40.430	40.487	40.202	39.815
57	37.754	37.834	37.868	37.618	37.310
58	35.489	35.546	35.568	35.329	35.045
59	33.451	33.474	33.462	33.246	33.007
60	31.595	31.584	31.572	31.367	31.162
61	29.898	29.853	29.830	29.637	29.443
62	28.327	28.282	28.225	28.043	27.849
63	26.881	26.802	26.745	26.551	26.358
64	25.458	25.390	25.321	25.128	24.946
65	24.115	24.058	23.967	23.784	23.602
66	22.794	22.737	22.623	22.452	22.270
67	21.519	21.462	21.348	21.166	21.006
68	20.266	20.209	20.095	19.902	19.754
69	19.014	18.968	18.854	18.672	18.502
70	17.796	17.727	17.625	17.454	17.272
71	16.577	16.486	16.395	16.236	16.065
72	15.348	15.257	15.177	15.018	14.881
73	14.118	14.038	13.959	13.822	13.663
74	12.888	12.832	12.740	12.627	12.513
75	11.693	11.647	11.556	11.454	11.351
76	10.486	10.463	10.372	10.293	10.213
77	9.313	9.291	9.222	9.165	9.097
78	8.118	8.107	8.072	8.004	7.993
79	6.922	6.911	6.888	6.865	6.854
80	5.670	5.693	5.670	5.693	5.647
81	4.292	4.338	4.304	4.304	4.258
82	2.425	2.482	2.516	2.539	2.562
83	1.093	1.116	1.264	1.355	1.457
84	1.002	1.013	1.013	1.002	1.002
85	0.922	0.922	0.922	0.922	0.922
86	0.820	0.820	0.831	0.820	0.820
87	0.695	0.695	0.695	0.706	0.695
88	0.535	0.547	0.547	0.547	0.535
89	0.364	0.376	0.376	0.376	0.376
90	0.216	0.228	0.250	0.262	0.262
91	0.216	0.228	0.228	0.228	0.216
92	0.216	0.216	0.228	0.228	0.228
93	0.216	0.228	0.228	0.228	0.228
94	0.216	0.228	0.228	0.228	0.228
95	0.228	0.228	0.228	0.239	0.228
96	0.228	0.228	0.239	0.239	0.228
97	0.228	0.239	0.239	0.239	0.228
98	0.228	0.250	0.250	0.239	0.239
99	0.239	0.250	0.250	0.250	0.239
100	0.239	0.250	0.250	0.250	0.239
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

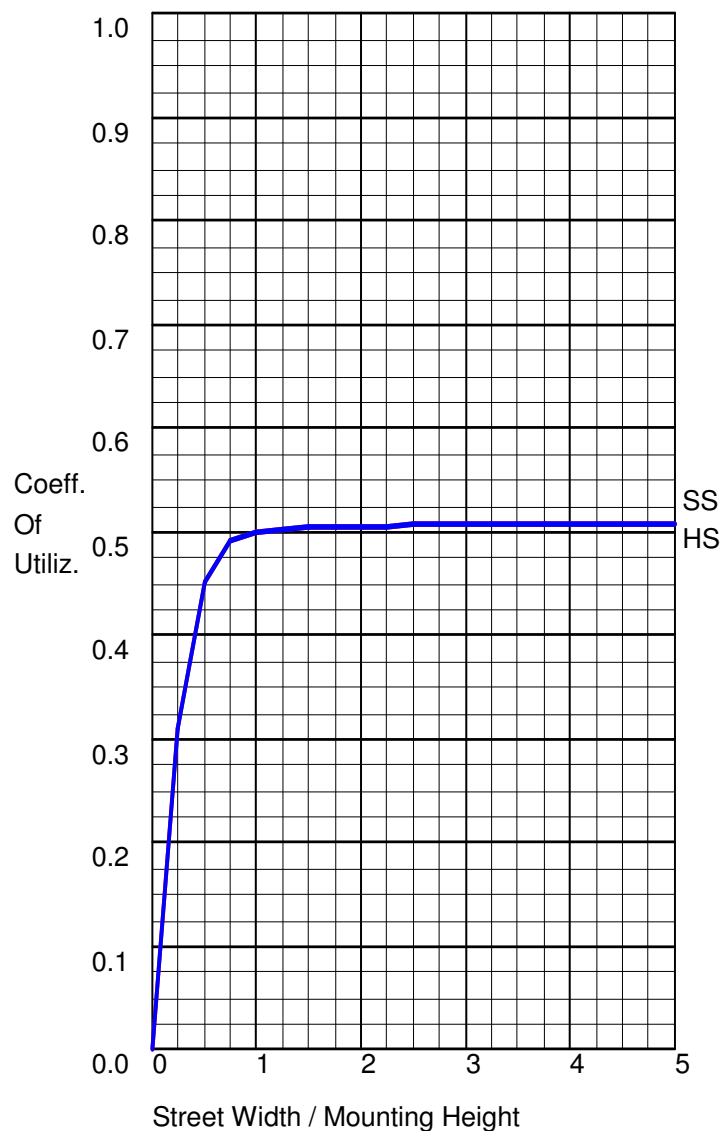
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-M-XXX\_.IES****CANDELA TABULATION - (Cont.)**

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-L40-927-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

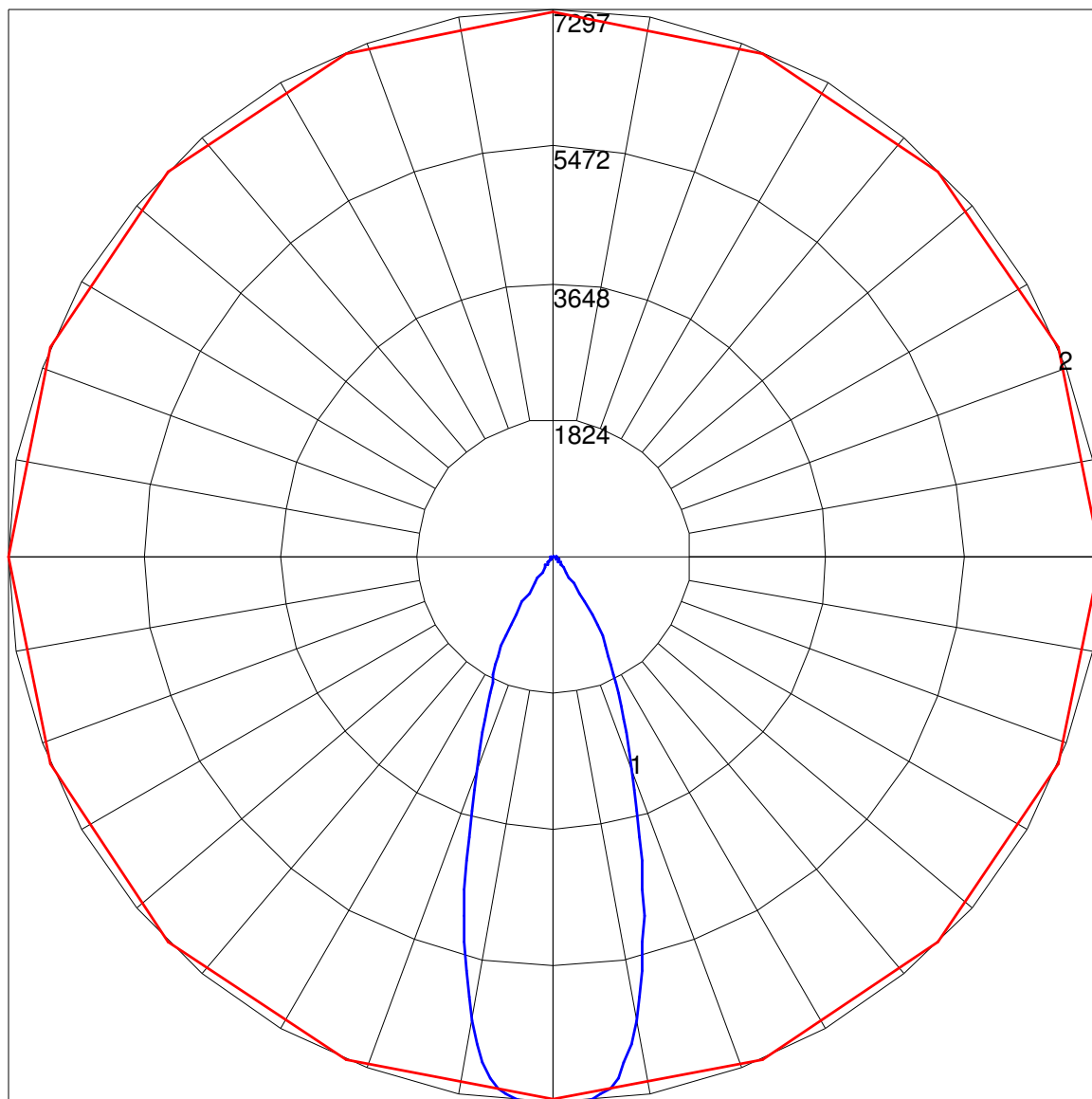
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1713.4	50.0
Downward House Side	1713.4	50.0
Downward Total	3426.8	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3427.0	100.0

POLAR GRAPH



Maximum Candela = 7296.646 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.)



**PHOTOMETRIC FILENAME : W6CR-XX-L40-927-XXX-DIM-UNV-M-XXX\_.IES**

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

# PHOTO IES R

