

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-935-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-L40-935-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	3538
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7532.018
Maximum Candela Angle	0H 2V
Maximum Candela (<90 Degrees Vertical)	7532.018
Maximum Candela Angle (<90 Degrees Vertical)	0H 2V
Maximum Candela At 90 Degrees Vertical	.27 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.876 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1481.6	N.A.	41.9
FM - Front-Medium (30-60)	267.6	N.A.	7.6
FH - Front-High (60-80)	18.6	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1481.6	N.A.	41.9
BM - Back-Medium (30-60)	267.6	N.A.	7.6
BH - Back-High (60-80)	18.6	N.A.	0.5
BVH - Back-Very High (80-90)	0.9	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	3537.7	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-M-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	7514.941	7514.941	7514.941	7514.941	7514.941
1	7524.602	7524.414	7521.017	7518.596	7515.552
2	7532.018	7527.329	7518.056	7509.194	7500.180
3	7527.905	7522.204	7505.562	7488.991	7474.535
4	7514.765	7502.624	7477.461	7452.757	7437.796
5	7467.566	7452.804	7419.591	7385.977	7369.418
6	7385.178	7365.598	7320.185	7278.827	7257.742
7	7247.647	7223.671	7172.793	7131.235	7100.349
8	7055.418	7031.700	6980.623	6942.391	6903.019
9	6807.551	6789.545	6745.801	6711.048	6670.560
10	6512.214	6507.442	6470.903	6443.848	6413.302
11	6183.229	6186.931	6164.765	6145.526	6118.894
12	5837.649	5839.788	5831.890	5825.826	5800.334
13	5481.715	5484.230	5490.236	5491.176	5467.083
14	5116.320	5118.670	5138.427	5145.913	5125.334
15	4750.466	4755.226	4781.294	4795.762	4778.967
16	4391.253	4398.129	4425.054	4445.011	4432.412
17	4042.559	4057.802	4076.595	4102.968	4091.862
18	3712.304	3728.606	3746.611	3769.752	3762.983
19	3404.016	3415.346	3437.606	3458.173	3448.442
20	3127.249	3127.519	3149.579	3171.134	3164.259
21	2862.916	2863.528	2883.249	2905.050	2895.366
22	2631.010	2626.591	2647.428	2665.551	2660.498
23	2430.107	2423.079	2442.753	2456.351	2456.304
24	2253.133	2247.080	2262.770	2273.430	2274.276
25	2096.104	2092.930	2102.274	2112.722	2112.111
26	1958.807	1954.188	1957.938	1968.186	1963.861
27	1830.220	1823.332	1825.601	1832.335	1830.772
28	1703.795	1695.215	1692.547	1700.280	1710.482
29	1571.493	1565.852	1560.363	1564.535	1569.507
30	1436.665	1425.981	1415.416	1423.878	1426.640
31	1280.529	1273.336	1263.452	1268.482	1272.396
32	1114.626	1111.018	1101.063	1110.406	1111.264
33	942.059	940.778	934.314	944.198	946.431
34	771.326	772.254	769.727	779.941	781.339
35	613.791	614.531	615.566	628.035	628.153
36	476.600	479.844	482.759	497.086	495.252
37	362.622	367.017	374.809	382.883	383.107
38	282.514	277.367	286.581	298.122	295.771
39	212.926	216.781	228.404	230.155	237.736
40	173.942	174.952	180.312	185.236	188.033
41	145.277	148.062	151.764	152.916	154.115
42	127.224	127.894	130.609	132.866	131.878
43	113.991	114.566	116.294	116.576	116.259
44	103.683	104.389	105.352	105.129	104.541
45	95.104	95.891	96.467	95.938	95.386
46	87.547	88.252	88.734	88.076	87.523
47	80.530	81.247	81.659	81.024	80.331
48	74.207	74.877	75.253	74.630	73.913
49	68.542	69.095	69.424	68.825	68.072
50	63.371	63.794	64.123	63.547	62.831
51	58.729	59.117	59.363	58.835	58.165
52	54.580	54.886	55.062	54.627	53.945

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	50.901	51.101	51.266	50.890	50.220
54	47.599	47.752	47.869	47.493	46.906
55	44.555	44.637	44.766	44.390	43.897
56	41.617	41.734	41.793	41.499	41.100
57	38.972	39.055	39.090	38.831	38.514
58	36.634	36.692	36.716	36.469	36.175
59	34.530	34.553	34.542	34.318	34.071
60	32.614	32.602	32.591	32.379	32.167
61	30.863	30.816	30.792	30.593	30.393
62	29.241	29.194	29.135	28.947	28.747
63	27.748	27.666	27.607	27.408	27.208
64	26.279	26.209	26.138	25.938	25.750
65	24.892	24.834	24.740	24.552	24.364
66	23.529	23.470	23.353	23.177	22.989
67	22.213	22.154	22.037	21.848	21.684
68	20.920	20.861	20.744	20.544	20.391
69	19.627	19.580	19.463	19.275	19.098
70	18.370	18.299	18.193	18.017	17.829
71	17.112	17.018	16.924	16.760	16.583
72	15.843	15.749	15.667	15.502	15.361
73	14.573	14.491	14.409	14.268	14.103
74	13.304	13.245	13.151	13.034	12.916
75	12.070	12.023	11.929	11.823	11.718
76	10.824	10.801	10.707	10.625	10.542
77	9.614	9.590	9.520	9.461	9.391
78	8.380	8.368	8.333	8.262	8.250
79	7.146	7.134	7.110	7.087	7.075
80	5.853	5.876	5.853	5.876	5.829
81	4.431	4.478	4.443	4.443	4.396
82	2.503	2.562	2.597	2.621	2.644
83	1.128	1.152	1.305	1.399	1.504
84	1.034	1.046	1.046	1.034	1.034
85	0.952	0.952	0.952	0.952	0.952
86	0.846	0.846	0.858	0.846	0.846
87	0.717	0.717	0.717	0.729	0.717
88	0.552	0.564	0.564	0.564	0.552
89	0.376	0.388	0.388	0.388	0.388
90	0.223	0.235	0.259	0.270	0.270
91	0.223	0.235	0.235	0.235	0.223
92	0.223	0.223	0.235	0.235	0.235
93	0.223	0.235	0.235	0.235	0.235
94	0.223	0.235	0.235	0.235	0.235
95	0.235	0.235	0.235	0.247	0.235
96	0.235	0.235	0.247	0.247	0.235
97	0.235	0.247	0.247	0.247	0.235
98	0.235	0.259	0.259	0.247	0.247
99	0.247	0.259	0.259	0.259	0.247
100	0.247	0.259	0.259	0.259	0.247
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

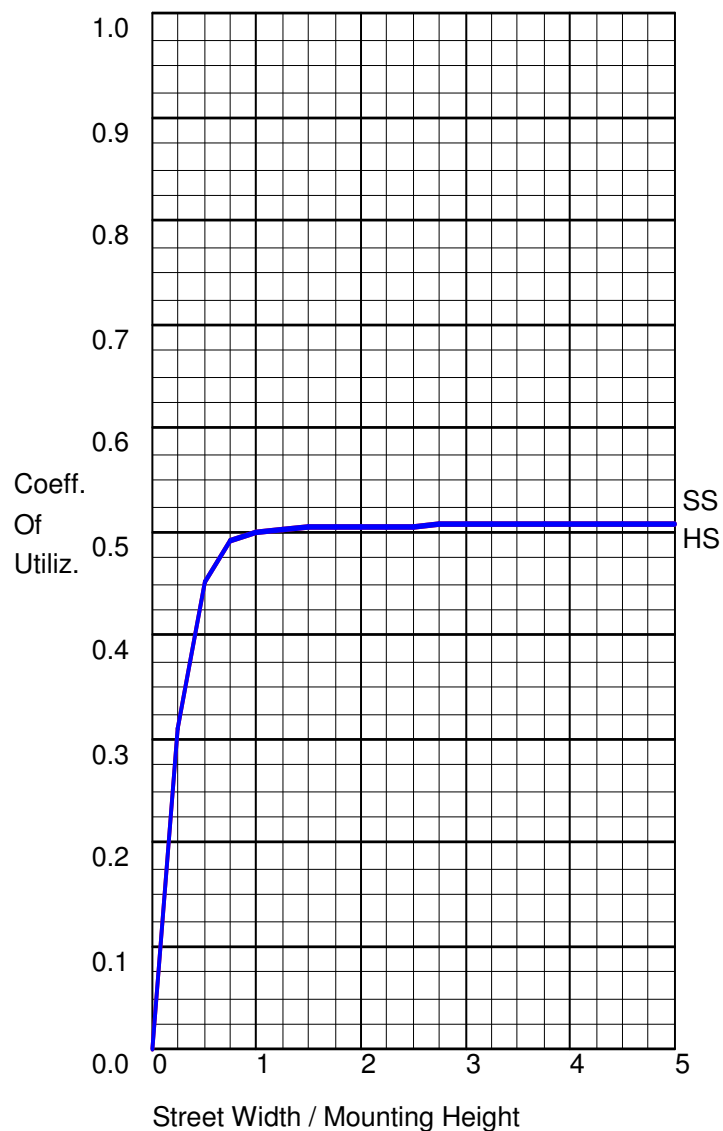
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

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-L40-935-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

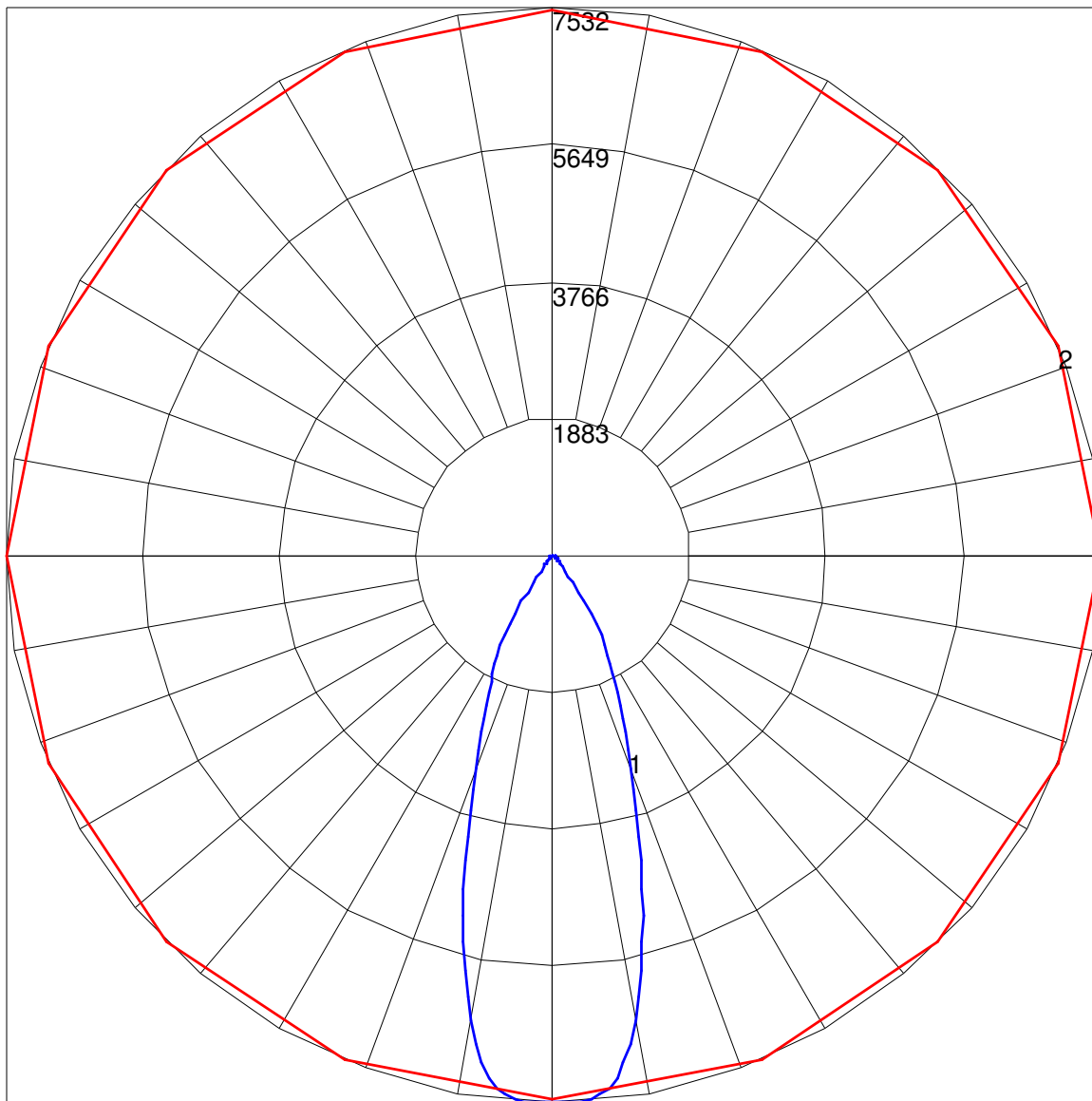
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1768.7	50.0
Downward House Side	1768.7	50.0
Downward Total	3537.4	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3537.6	100.0

POLAR GRAPH



Maximum Candela = 7532.018 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-L40-935-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

