

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L40-930-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-L40-930-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	3848
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	36.7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	38181.184
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	38181.184
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.272 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	6.24 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1700.6	N.A.	44.2
FM - Front-Medium (30-60)	203.4	N.A.	5.3
FH - Front-High (60-80)	18.7	N.A.	0.5
FVH - Front-Very High (80-90)	0.9	N.A.	0.0
BL - Back-Low (0-30)	1700.6	N.A.	44.2
BM - Back-Medium (30-60)	203.4	N.A.	5.3
BH - Back-High (60-80)	18.7	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	3847.5	N.A.	100.0
BUG Rating	B3-U1-G0		

IES ROAD REPORT
PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-S-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	38181.184	38181.184	38181.184	38181.184	38181.184
1	37524.434	37539.323	37540.868	37545.316	37549.245
2	35938.063	35856.933	35984.719	35903.997	35975.761
3	33348.231	33321.924	33345.871	33532.645	33482.640
4	29687.646	30023.101	30092.171	30087.266	30157.300
5	25846.045	25891.293	25988.065	26280.781	26299.302
6	21473.207	21550.877	21931.444	22119.071	22339.256
7	17397.952	17307.209	17667.883	18091.499	18126.961
8	13383.255	13570.758	13958.220	14248.650	14378.327
9	10203.161	10381.904	10682.490	11009.728	11166.786
10	7745.551	7815.276	8172.836	8454.913	8595.426
11	5891.535	5967.327	6250.812	6529.392	6596.943
12	4567.854	4669.890	4886.813	5037.174	5117.229
13	3737.439	3724.503	3856.503	4000.463	4070.744
14	3005.911	3033.465	3160.127	3301.554	3323.635
15	2551.356	2566.899	2694.698	2747.743	2846.233
16	2231.716	2241.366	2314.428	2380.521	2413.338
17	2004.995	2011.222	2066.528	2119.622	2147.003
18	1844.391	1849.098	1891.616	1935.245	1955.830
19	1734.854	1739.179	1773.269	1804.394	1827.846
20	1667.180	1663.560	1688.605	1712.922	1730.146
21	1612.937	1613.171	1628.728	1646.718	1662.225
22	1578.130	1574.695	1587.730	1598.072	1614.222
23	1549.439	1542.915	1553.109	1561.708	1576.733
24	1520.489	1513.915	1520.044	1525.616	1541.148
25	1488.882	1483.964	1485.088	1490.377	1503.944
26	1452.370	1446.908	1445.784	1450.615	1461.958
27	1409.667	1401.364	1398.423	1401.376	1414.659
28	1353.076	1343.636	1337.013	1339.719	1354.065
29	1279.298	1271.094	1257.267	1261.703	1274.714
30	1183.835	1176.483	1159.407	1164.164	1175.223
31	1064.438	1058.421	1041.938	1047.226	1058.100
32	925.408	922.455	908.579	916.882	926.199
33	774.392	773.972	764.618	775.195	784.586
34	621.041	623.290	619.620	631.531	639.056
35	477.797	482.678	481.961	499.235	500.717
36	353.062	355.941	364.665	375.637	380.802
37	255.672	250.804	267.373	278.296	290.467
38	176.259	174.616	185.922	197.166	200.527
39	118.421	126.823	134.879	140.699	143.343
40	86.381	90.545	96.711	105.101	104.631
41	68.749	70.714	74.952	78.251	79.968
42	59.247	59.779	62.497	64.276	65.228
43	54.120	54.194	55.689	56.430	56.974
44	51.253	51.364	51.945	52.093	52.414
45	49.585	49.708	49.795	49.708	49.943
46	48.473	48.547	48.386	48.213	48.411
47	47.596	47.583	47.299	47.114	47.188
48	46.904	46.792	46.397	46.249	46.224
49	46.348	46.138	45.668	45.446	45.371
50	45.915	45.594	45.038	44.766	44.618
51	45.582	45.186	44.482	44.185	43.988
52	45.371	44.853	44.049	43.691	43.444

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

53	45.211	44.593	43.679	43.246	43.036
54	45.013	44.321	43.259	42.752	42.505
55	44.346	43.617	42.530	41.949	41.813
56	43.184	42.480	41.331	40.763	40.824
57	41.689	41.109	39.885	39.379	39.614
58	40.009	39.527	38.291	37.859	38.205
59	38.057	37.674	36.500	36.142	36.611
60	35.944	35.598	34.585	34.313	34.807
61	33.732	33.398	32.583	32.385	32.830
62	31.483	31.174	30.557	30.421	30.791
63	29.272	29.000	28.567	28.444	28.716
64	27.109	26.837	26.627	26.516	26.726
65	25.132	24.860	24.799	24.687	24.873
66	23.242	23.019	23.019	22.945	23.093
67	21.512	21.364	21.401	21.339	21.462
68	19.980	19.869	19.930	19.856	19.967
69	18.571	18.497	18.546	18.497	18.571
70	17.274	17.249	17.274	17.224	17.274
71	16.075	16.075	16.088	16.026	16.051
72	14.988	14.951	14.963	14.901	14.901
73	13.925	13.876	13.864	13.802	13.802
74	12.887	12.813	12.813	12.739	12.751
75	11.837	11.763	11.751	11.664	11.701
76	10.762	10.700	10.700	10.614	10.663
77	9.687	9.650	9.638	9.576	9.625
78	8.600	8.538	8.538	8.489	8.550
79	7.438	7.389	7.414	7.377	7.463
80	6.178	6.166	6.178	6.203	6.240
81	4.745	4.769	4.757	4.769	4.769
82	2.706	2.780	2.854	2.830	2.891
83	1.285	1.297	1.446	1.507	1.594
84	1.174	1.174	1.174	1.161	1.161
85	1.087	1.075	1.075	1.063	1.075
86	0.976	0.964	0.964	0.964	0.964
87	0.828	0.828	0.828	0.816	0.816
88	0.655	0.655	0.655	0.643	0.630
89	0.445	0.445	0.432	0.432	0.420
90	0.247	0.259	0.272	0.272	0.272
91	0.247	0.247	0.235	0.222	0.222
92	0.247	0.247	0.235	0.235	0.222
93	0.259	0.259	0.235	0.235	0.222
94	0.272	0.259	0.247	0.235	0.235
95	0.272	0.259	0.247	0.247	0.235
96	0.284	0.259	0.259	0.247	0.247
97	0.284	0.259	0.272	0.259	0.259
98	0.284	0.272	0.272	0.259	0.259
99	0.284	0.272	0.272	0.259	0.272
100	0.284	0.284	0.284	0.272	0.272
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

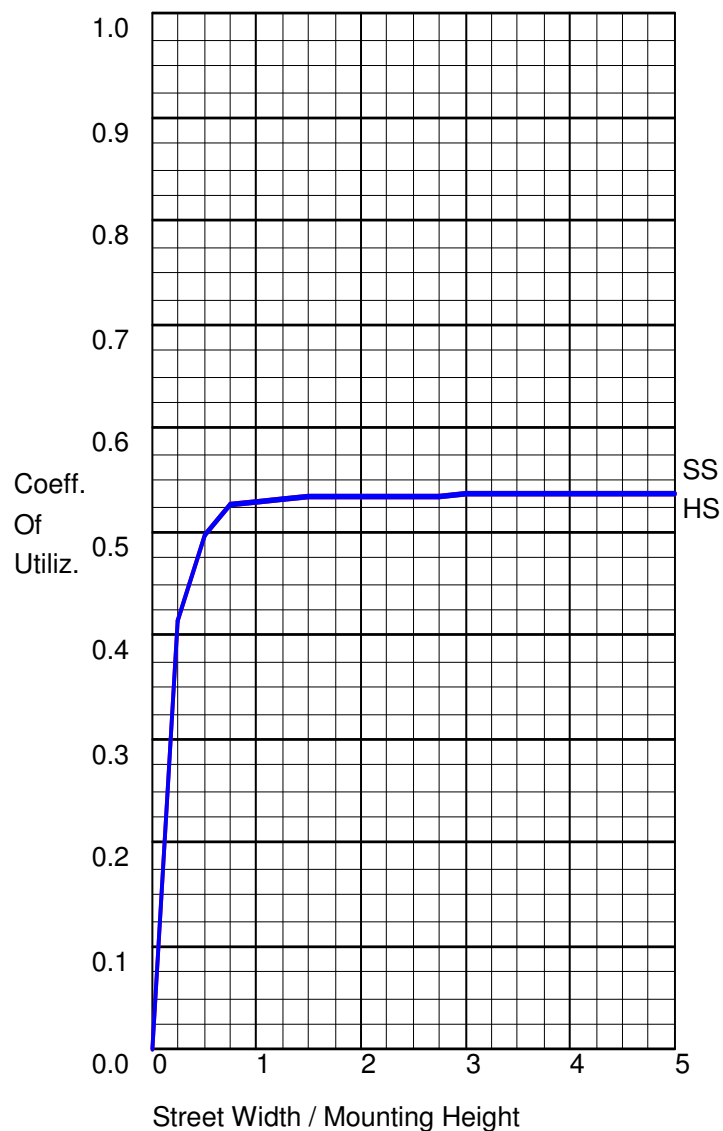
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L40-930-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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-L40-930-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

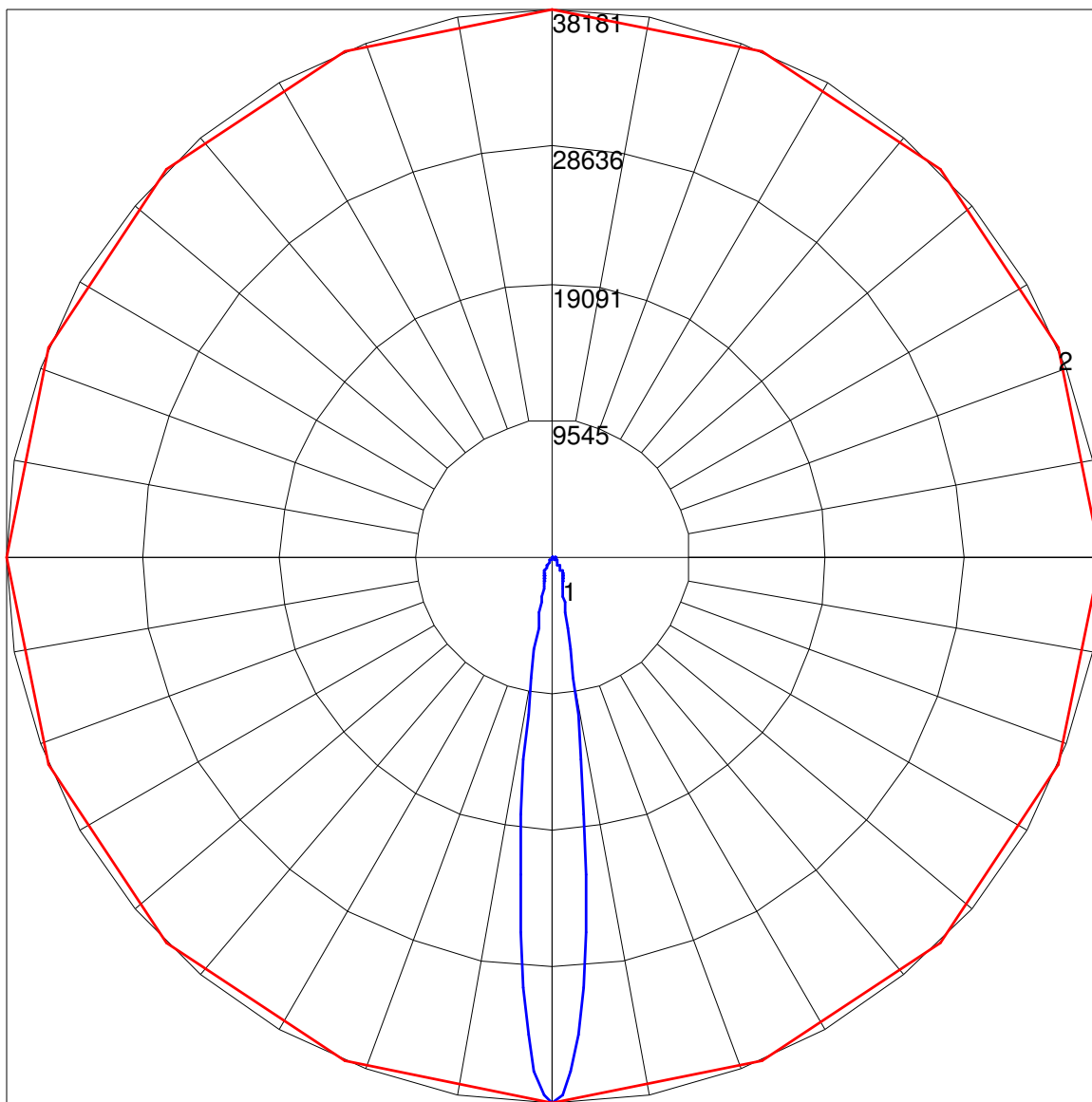
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1923.6	50.0
Downward House Side	1923.6	50.0
Downward Total	3847.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	3847.4	100.0

POLAR GRAPH



Maximum Candela = 38181.184 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-L40-930-XXX-DIM-UNV-S-XXX_.IES

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO IES R

