

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L20-927-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-L20-927-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	2014
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	20.1
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	19989.432
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	19989.432
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.142 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	3.267 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-927-XXX-DIM-UNV-S-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	890.3	N.A.	44.2
FM - Front-Medium (30-60)	106.5	N.A.	5.3
FH - Front-High (60-80)	9.8	N.A.	0.5
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	890.3	N.A.	44.2
BM - Back-Medium (30-60)	106.5	N.A.	5.3
BH - Back-High (60-80)	9.8	N.A.	0.5
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.1	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2014.3	N.A.	100.0
BUG Rating	B2-U1-G0		

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## CANDELA TABULATION

Vert. Angles	Horizontal Angles				
	0.0	22.5	45.0	67.5	90.0
0	19989.432	19989.432	19989.432	19989.432	19989.432
1	19645.596	19653.391	19654.200	19656.528	19658.586
2	18815.065	18772.590	18839.492	18797.230	18834.802
3	17459.180	17445.408	17457.945	17555.729	17529.549
4	15542.713	15718.337	15754.498	15751.930	15788.596
5	13531.475	13555.164	13605.829	13759.078	13768.775
6	11242.113	11282.777	11482.020	11580.250	11695.526
7	9108.549	9061.041	9249.869	9471.649	9490.215
8	7006.689	7104.854	7307.707	7459.758	7527.650
9	5341.778	5435.357	5592.726	5764.049	5846.275
10	4055.117	4091.621	4278.818	4426.497	4500.062
11	3084.463	3124.143	3272.559	3418.407	3453.773
12	2391.461	2444.881	2558.449	2637.170	2679.082
13	1956.704	1949.931	2019.039	2094.408	2131.203
14	1573.719	1588.144	1654.457	1728.500	1740.060
15	1335.740	1343.878	1410.786	1438.557	1490.121
16	1168.396	1173.448	1211.699	1246.301	1263.483
17	1049.698	1052.958	1081.913	1109.710	1124.045
18	965.615	968.080	990.339	1013.181	1023.958
19	908.268	910.532	928.380	944.675	956.953
20	872.838	870.942	884.055	896.786	905.803
21	844.439	844.562	852.706	862.125	870.244
22	826.216	824.418	831.243	836.657	845.112
23	811.195	807.780	813.117	817.619	825.485
24	796.039	792.597	795.806	798.723	806.855
25	779.491	776.917	777.505	780.274	787.377
26	760.376	757.516	756.928	759.457	765.396
27	738.019	733.672	732.132	733.678	740.633
28	708.391	703.449	699.982	701.399	708.909
29	669.766	665.470	658.231	660.554	667.366
30	619.787	615.938	606.998	609.488	615.278
31	557.278	554.127	545.498	548.266	553.959
32	484.489	482.943	475.679	480.026	484.903
33	405.426	405.206	400.309	405.847	410.763
34	325.141	326.318	324.397	330.633	334.572
35	250.146	252.702	252.326	261.370	262.146
36	184.843	186.350	190.917	196.661	199.365
37	133.855	131.306	139.981	145.699	152.071
38	92.279	91.419	97.338	103.224	104.984
39	61.998	66.397	70.615	73.662	75.046
40	45.224	47.404	50.632	55.025	54.779
41	35.993	37.022	39.240	40.968	41.867
42	31.018	31.297	32.720	33.651	34.149
43	28.334	28.373	29.155	29.544	29.828
44	26.833	26.891	27.195	27.273	27.441
45	25.960	26.024	26.070	26.024	26.147
46	25.378	25.416	25.332	25.242	25.345
47	24.918	24.912	24.763	24.666	24.705
48	24.556	24.498	24.291	24.213	24.200
49	24.265	24.155	23.909	23.793	23.754
50	24.038	23.870	23.579	23.437	23.359
51	23.864	23.657	23.288	23.133	23.029
52	23.754	23.482	23.062	22.874	22.745

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-927-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

53	23.670	23.346	22.868	22.641	22.531
54	23.566	23.204	22.648	22.382	22.253
55	23.217	22.835	22.266	21.962	21.891
56	22.609	22.240	21.639	21.341	21.373
57	21.826	21.522	20.882	20.616	20.739
58	20.946	20.694	20.047	19.821	20.002
59	19.924	19.724	19.109	18.922	19.167
60	18.818	18.637	18.106	17.964	18.223
61	17.660	17.485	17.059	16.955	17.188
62	16.483	16.321	15.998	15.926	16.121
63	15.325	15.183	14.956	14.891	15.034
64	14.193	14.050	13.941	13.882	13.992
65	13.158	13.015	12.983	12.925	13.022
66	12.168	12.052	12.052	12.013	12.090
67	11.262	11.185	11.204	11.172	11.237
68	10.460	10.402	10.434	10.396	10.454
69	9.723	9.684	9.710	9.684	9.723
70	9.044	9.031	9.044	9.018	9.044
71	8.416	8.416	8.423	8.390	8.403
72	7.847	7.827	7.834	7.802	7.802
73	7.290	7.265	7.258	7.226	7.226
74	6.747	6.708	6.708	6.669	6.676
75	6.197	6.158	6.152	6.107	6.126
76	5.634	5.602	5.602	5.557	5.583
77	5.072	5.052	5.046	5.013	5.039
78	4.502	4.470	4.470	4.444	4.476
79	3.894	3.868	3.881	3.862	3.907
80	3.234	3.228	3.234	3.247	3.267
81	2.484	2.497	2.491	2.497	2.497
82	1.417	1.456	1.494	1.481	1.514
83	0.673	0.679	0.757	0.789	0.834
84	0.615	0.615	0.615	0.608	0.608
85	0.569	0.563	0.563	0.556	0.563
86	0.511	0.505	0.505	0.505	0.505
87	0.433	0.433	0.433	0.427	0.427
88	0.343	0.343	0.343	0.336	0.330
89	0.233	0.233	0.226	0.226	0.220
90	0.129	0.136	0.142	0.142	0.142
91	0.129	0.129	0.123	0.116	0.116
92	0.129	0.129	0.123	0.123	0.116
93	0.136	0.136	0.123	0.123	0.116
94	0.142	0.136	0.129	0.123	0.123
95	0.142	0.136	0.129	0.129	0.123
96	0.149	0.136	0.136	0.129	0.129
97	0.149	0.136	0.142	0.136	0.136
98	0.149	0.142	0.142	0.136	0.136
99	0.149	0.142	0.142	0.136	0.142
100	0.149	0.149	0.149	0.142	0.142
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

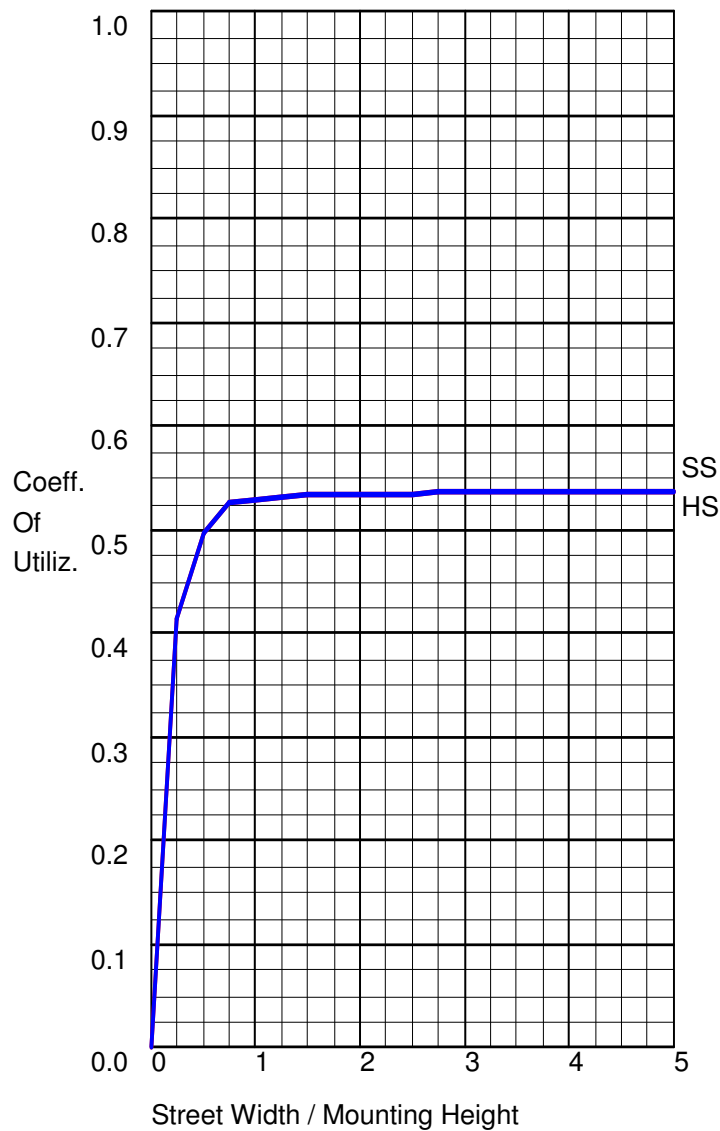
**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L20-927-XXX-DIM-UNV-S-XXX\_IES****CANDELA TABULATION - (Cont.)**

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

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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

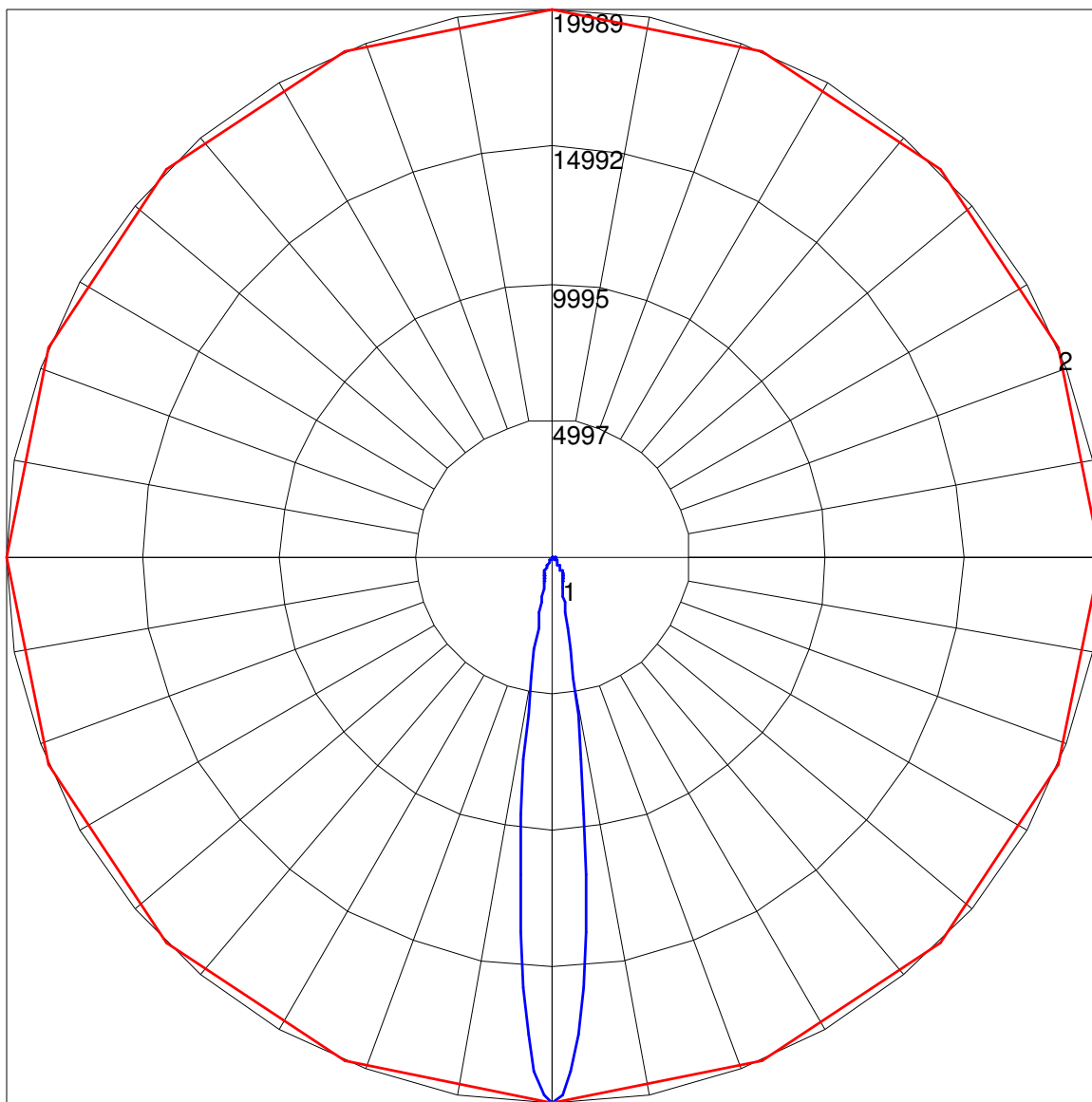
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1007.1	50.0
Downward House Side	1007.1	50.0
Downward Total	2014.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2014.4	100.0

POLAR GRAPH



Maximum Candela = 19989.432 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-L20-927-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

