

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-N-XXX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] W6CR\_Angela-M\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-07-15  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CR-xx-L30-927-xxx-DIM-UNV-N-xxx  
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED  
[MORE] CYLINDER WITH NARROW DIST.  
[LAMPCAT] BL V18 COB  
[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	2588
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7625.651
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7625.651
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.233 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.123 (0.2% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-N-XXX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1014.4	N.A.	39.2
FM - Front-Medium (30-60)	259.3	N.A.	10.0
FH - Front-High (60-80)	19.1	N.A.	0.7
FVH - Front-Very High (80-90)	0.8	N.A.	0.0
BL - Back-Low (0-30)	1014.4	N.A.	39.2
BM - Back-Medium (30-60)	259.3	N.A.	10.0
BH - Back-High (60-80)	19.1	N.A.	0.7
BVH - Back-Very High (80-90)	0.8	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	< 0.05	N.A.	0.0
Total	2587.4	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	7625.651	7625.651	7625.651	7625.651	7625.651
1	7576.601	7574.473	7575.789	7575.724	7572.962
2	7442.805	7440.818	7439.894	7440.388	7437.589
3	7228.613	7224.395	7223.564	7225.020	7218.889
4	6934.172	6931.839	6927.957	6928.834	6925.036
5	6566.250	6564.813	6569.675	6570.142	6572.167
6	6150.650	6149.203	6156.473	6165.516	6173.402
7	5702.396	5704.767	5718.560	5733.659	5739.753
8	5236.831	5243.354	5261.235	5283.324	5290.482
9	4782.446	4788.270	4809.771	4838.038	4851.038
10	4350.085	4355.853	4380.714	4409.625	4425.900
11	3947.709	3952.608	3976.237	4006.632	4024.457
12	3580.253	3586.235	3608.492	3637.917	3650.693
13	3252.459	3258.805	3282.304	3313.893	3318.727
14	2964.029	2974.099	2997.438	3016.924	3025.846
15	2720.823	2721.980	2738.442	2760.102	2772.000
16	2493.443	2500.424	2522.728	2542.484	2558.041
17	2308.059	2313.621	2327.153	2347.030	2357.119
18	2150.298	2154.862	2166.816	2184.342	2192.312
19	2018.126	2021.654	2031.929	2045.022	2053.346
20	1907.922	1909.173	1916.965	1926.857	1933.651
21	1811.978	1810.858	1817.269	1825.136	1830.866
22	1730.405	1725.170	1730.694	1736.518	1742.201
23	1657.297	1649.775	1654.338	1658.239	1664.669
24	1587.949	1582.471	1583.824	1586.988	1593.782
25	1524.677	1519.535	1518.209	1520.291	1525.666
26	1462.076	1457.345	1453.453	1455.684	1459.529
27	1398.851	1392.215	1387.605	1388.063	1393.279
28	1328.738	1321.039	1312.742	1312.854	1317.838
29	1245.523	1241.267	1231.916	1232.261	1239.363
30	1157.837	1151.977	1135.235	1138.454	1144.716
31	1048.734	1043.415	1030.481	1030.117	1036.826
32	926.417	923.851	913.501	917.654	921.294
33	796.989	796.009	789.290	796.214	800.292
34	667.141	668.074	666.030	674.121	677.817
35	545.654	546.886	549.237	559.428	561.817
36	439.071	439.743	446.891	457.726	460.516
37	349.668	353.830	360.596	373.307	372.934
38	279.994	285.463	294.636	301.477	302.923
39	235.395	234.061	241.928	248.638	250.084
40	196.079	199.280	207.334	211.552	215.415
41	173.010	174.895	179.234	182.127	183.704
42	156.632	157.640	160.897	162.726	163.594
43	144.033	144.677	147.281	148.335	149.278
44	133.516	134.160	135.989	136.885	137.258
45	124.249	124.958	126.601	127.039	127.450
46	115.663	116.419	117.800	118.388	118.724
47	107.563	108.263	109.597	110.195	110.521
48	99.920	100.629	101.889	102.580	102.906
49	92.781	93.415	94.601	95.328	95.636
50	86.062	86.575	87.760	88.469	88.787
51	79.781	80.276	81.367	82.095	82.422
52	73.948	74.368	75.395	76.132	76.384

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CR-XX-L30-927-XXX-DIM-UNV-N-XXX\_.IES****CANDELA TABULATION - (Cont.)**

53	68.498	68.909	69.852	70.598	70.822
54	63.487	63.851	64.682	65.381	65.624
55	58.728	59.026	59.847	60.454	60.734
56	54.099	54.388	55.153	55.723	55.984
57	49.713	50.002	50.711	51.215	51.476
58	45.765	46.017	46.661	47.118	47.380
59	42.126	42.340	42.919	43.348	43.600
60	38.766	38.971	39.513	39.877	40.110
61	35.724	35.892	36.386	36.713	36.881
62	32.943	33.111	33.531	33.829	33.969
63	30.395	30.544	30.936	31.179	31.291
64	28.099	28.174	28.547	28.753	28.818
65	25.981	26.037	26.373	26.531	26.597
66	23.984	24.049	24.310	24.469	24.497
67	22.145	22.211	22.444	22.565	22.593
68	20.447	20.512	20.699	20.801	20.811
69	18.870	18.888	19.075	19.150	19.140
70	17.377	17.395	17.545	17.601	17.582
71	15.967	15.967	16.089	16.135	16.098
72	14.652	14.614	14.717	14.745	14.736
73	13.345	13.317	13.401	13.410	13.382
74	12.085	12.067	12.123	12.141	12.113
75	10.881	10.853	10.891	10.919	10.881
76	9.687	9.659	9.687	9.705	9.687
77	8.502	8.492	8.530	8.530	8.530
78	7.344	7.335	7.372	7.372	7.391
79	6.187	6.178	6.234	6.243	6.253
80	5.030	5.030	5.086	5.123	5.114
81	3.789	3.826	3.854	3.882	3.864
82	2.202	2.258	2.314	2.305	2.324
83	1.101	1.101	1.195	1.241	1.316
84	0.999	0.999	1.008	0.999	0.999
85	0.924	0.924	0.924	0.924	0.924
86	0.821	0.831	0.831	0.821	0.831
87	0.700	0.700	0.709	0.700	0.700
88	0.541	0.551	0.551	0.541	0.541
89	0.364	0.364	0.364	0.364	0.364
90	0.205	0.215	0.224	0.233	0.233
91	0.196	0.205	0.196	0.196	0.187
92	0.205	0.205	0.205	0.205	0.187
93	0.205	0.205	0.205	0.205	0.187
94	0.205	0.215	0.215	0.205	0.196
95	0.215	0.215	0.215	0.205	0.205
96	0.215	0.224	0.224	0.215	0.224
97	0.233	0.233	0.233	0.233	0.233
98	0.243	0.243	0.233	0.243	0.243
99	0.252	0.261	0.252	0.243	0.252
100	0.252	0.261	0.261	0.252	0.252
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

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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

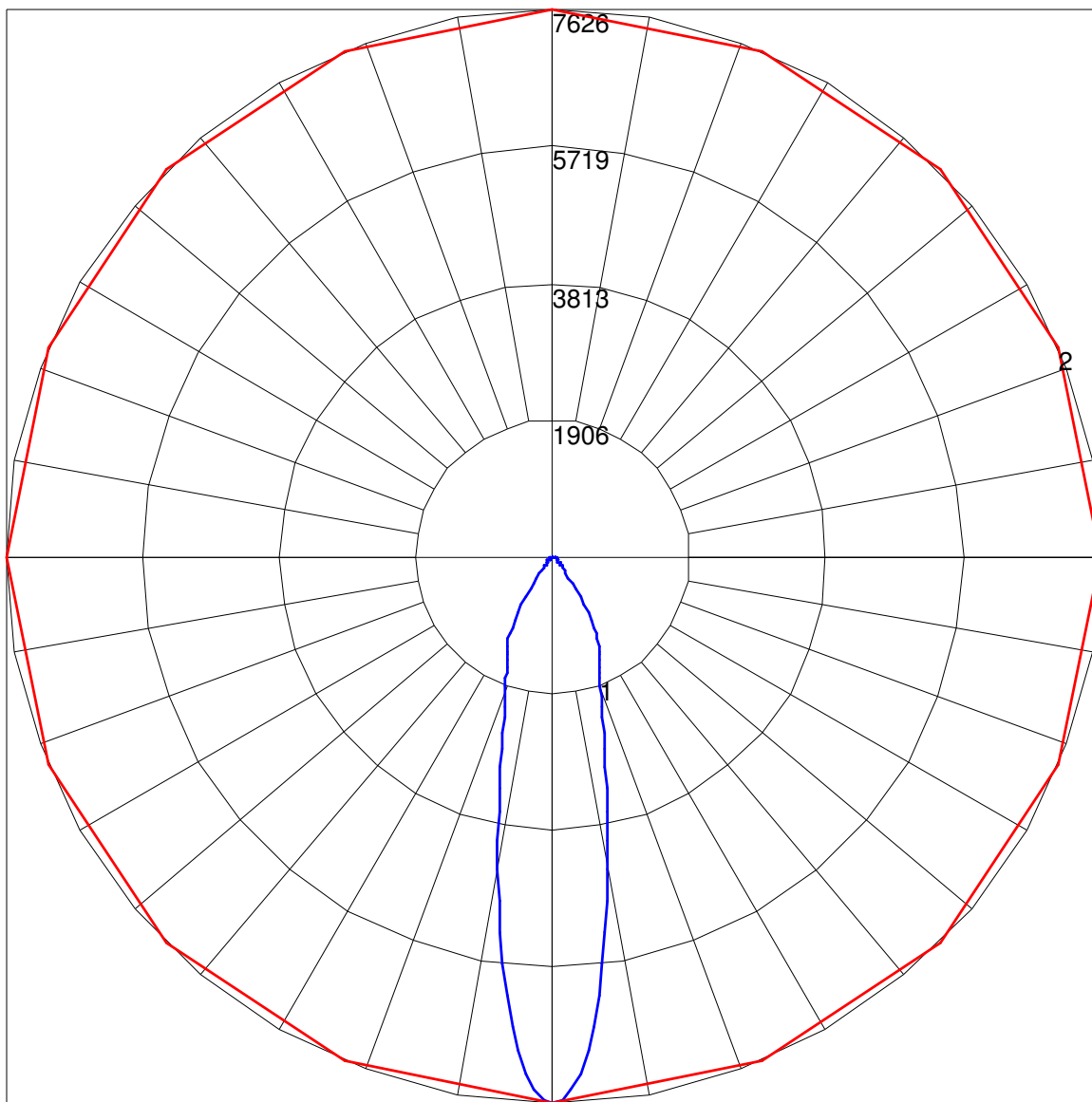
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FLUX DISTRIBUTION

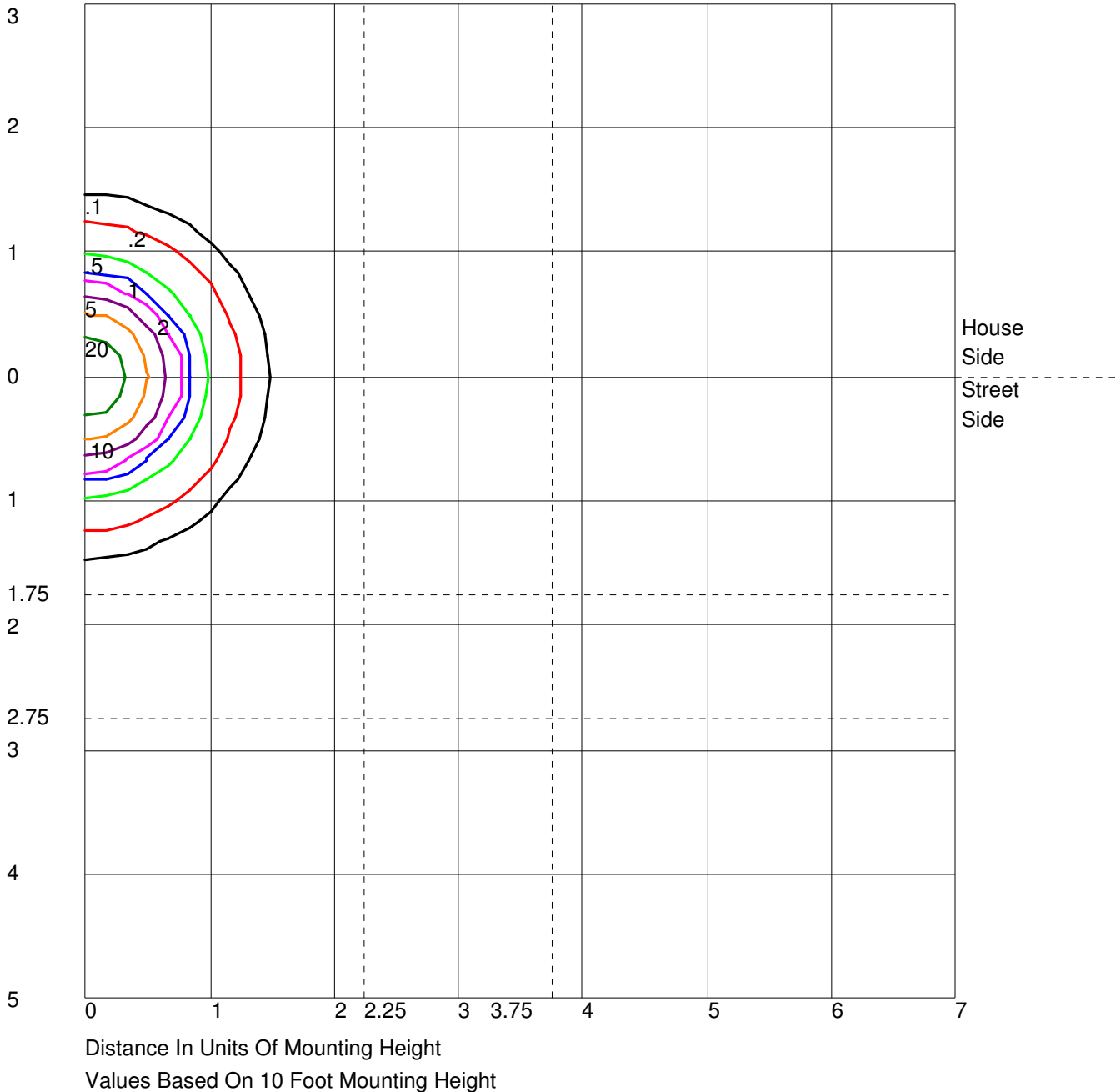
	Lumens	Percent Of Luminaire
Downward Street Side	1293.6	50.0
Downward House Side	1293.6	50.0
Downward Total	2587.2	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	2587.4	100.0

POLAR GRAPH



Maximum Candela = 7625.651 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.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



# PHOTO IES R

