

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L15-827-XXX-DIM-UNV-S-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-SPOT DISTRIBUTION
[TESTLAB] LEDIL INC.
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CR-xx-L15-827-xxx-DIM-UNV-S-xxx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] WITH SPOT DISTRIBUTION & MICROPRISM LENS
[MORE] 0-10 LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1678
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	13.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	7520.507
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	7520.507
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.077 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.342 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-827-XXX-DIM-UNV-S-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	761.6	N.A.	45.4
FM - Front-Medium (30-60)	74.8	N.A.	4.5
FH - Front-High (60-80)	2.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	761.6	N.A.	45.4
BM - Back-Medium (30-60)	74.8	N.A.	4.5
BH - Back-High (60-80)	2.2	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	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	1677.5	N.A.	100.0
BUG Rating	B2-U1-G0		

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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	7520.507	7520.507	7520.507	7520.507	7520.507
1	7506.752	7503.542	7504.187	7501.369	7504.253
2	7412.423	7411.127	7406.141	7403.792	7411.844
3	7248.756	7243.015	7238.597	7234.064	7252.121
4	7003.937	7002.056	6994.517	6992.272	7014.493
5	6676.465	6670.558	6668.434	6665.611	6693.639
6	6265.386	6263.207	6265.182	6269.434	6292.670
7	5782.244	5784.489	5798.343	5810.885	5820.222
8	5244.622	5254.389	5281.172	5303.867	5297.470
9	4689.053	4703.663	4745.518	4775.544	4751.216
10	4148.077	4165.798	4217.912	4254.650	4213.395
11	3633.156	3653.904	3714.424	3751.680	3700.492
12	3157.768	3185.648	3244.646	3288.686	3230.416
13	2744.301	2767.791	2829.905	2876.686	2818.444
14	2386.352	2405.920	2464.239	2509.421	2455.541
15	2077.996	2097.123	2155.023	2196.371	2142.690
16	1820.149	1840.473	1882.582	1919.452	1872.760
17	1614.654	1616.297	1658.043	1687.936	1651.976
18	1423.421	1436.239	1468.481	1492.660	1465.271
19	1272.108	1279.229	1314.074	1335.523	1315.431
20	1145.675	1155.189	1179.070	1197.078	1177.074
21	1043.134	1048.865	1069.183	1084.036	1064.975
22	956.081	961.552	977.425	987.347	971.193
23	883.306	886.168	898.390	906.669	892.125
24	819.913	821.441	831.131	835.720	823.178
25	762.344	764.236	770.380	771.759	761.208
26	710.434	710.296	712.750	711.818	702.619
27	656.852	654.150	655.110	653.372	644.972
28	599.637	596.482	595.517	594.502	588.396
29	539.409	536.459	535.378	537.137	532.454
30	475.360	474.312	473.457	477.092	474.439
31	410.671	410.924	411.156	417.030	415.447
32	348.193	349.384	349.941	357.646	358.341
33	287.194	289.488	291.507	299.300	302.786
34	230.651	234.583	237.203	245.514	250.953
35	182.364	185.712	186.815	194.669	202.385
36	137.083	141.876	145.312	150.502	159.023
37	101.725	107.858	109.286	113.875	123.229
38	74.854	79.117	80.292	85.708	92.828
39	56.802	57.475	59.488	63.040	67.276
40	41.056	42.843	45.617	48.193	50.515
41	30.980	32.463	34.349	36.489	38.861
42	24.113	25.354	27.246	28.900	30.781
43	19.519	20.396	22.155	23.611	24.979
44	16.331	16.965	18.487	19.783	20.374
45	14.014	14.494	15.818	16.816	17.081
46	12.332	12.685	13.838	14.560	14.726
47	11.036	11.328	12.310	12.812	12.900
48	10.010	10.292	11.097	11.455	11.505
49	9.205	9.437	10.159	10.385	10.391
50	8.549	8.753	9.376	9.525	9.497
51	7.970	8.163	8.720	8.825	8.769
52	7.440	7.606	8.096	8.130	8.014

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-827-XXX-DIM-UNV-S-XXX_.IES****CANDELA TABULATION - (Cont.)**

53	6.955	7.104	7.528	7.495	7.341
54	6.530	6.674	7.027	6.933	6.756
55	6.161	6.282	6.580	6.447	6.232
56	5.830	5.918	6.183	6.028	5.769
57	5.515	5.587	5.797	5.648	5.377
58	5.217	5.278	5.455	5.306	5.052
59	4.942	4.986	5.118	4.986	4.749
60	4.666	4.705	4.809	4.677	4.445
61	4.390	4.423	4.517	4.390	4.170
62	4.114	4.142	4.225	4.098	3.883
63	3.839	3.872	3.938	3.811	3.607
64	3.568	3.596	3.662	3.530	3.331
65	3.304	3.337	3.386	3.260	3.072
66	3.044	3.072	3.122	3.000	2.807
67	2.796	2.829	2.873	2.763	2.570
68	2.570	2.592	2.642	2.521	2.338
69	2.350	2.377	2.421	2.305	2.118
70	2.140	2.168	2.217	2.090	1.903
71	1.941	1.963	2.013	1.886	1.699
72	1.748	1.770	1.809	1.688	1.506
73	1.555	1.577	1.610	1.484	1.324
74	1.357	1.379	1.401	1.291	1.125
75	1.153	1.169	1.175	1.087	0.921
76	0.954	0.965	0.938	0.882	0.734
77	0.778	0.783	0.734	0.684	0.563
78	0.601	0.585	0.507	0.469	0.414
79	0.375	0.386	0.370	0.364	0.347
80	0.342	0.342	0.342	0.336	0.325
81	0.320	0.320	0.325	0.320	0.303
82	0.303	0.303	0.309	0.303	0.287
83	0.281	0.281	0.287	0.287	0.270
84	0.259	0.259	0.259	0.254	0.248
85	0.226	0.232	0.237	0.232	0.221
86	0.199	0.199	0.199	0.199	0.193
87	0.165	0.165	0.165	0.165	0.160
88	0.127	0.127	0.132	0.127	0.121
89	0.094	0.088	0.094	0.088	0.088
90	0.077	0.066	0.072	0.066	0.066
91	0.072	0.066	0.066	0.066	0.061
92	0.066	0.066	0.066	0.066	0.061
93	0.072	0.066	0.066	0.066	0.061
94	0.072	0.066	0.066	0.066	0.061
95	0.072	0.066	0.066	0.066	0.061
96	0.072	0.072	0.066	0.066	0.061
97	0.072	0.072	0.066	0.066	0.066
98	0.072	0.072	0.066	0.066	0.061
99	0.072	0.072	0.066	0.072	0.061
100	0.072	0.072	0.066	0.072	0.066
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

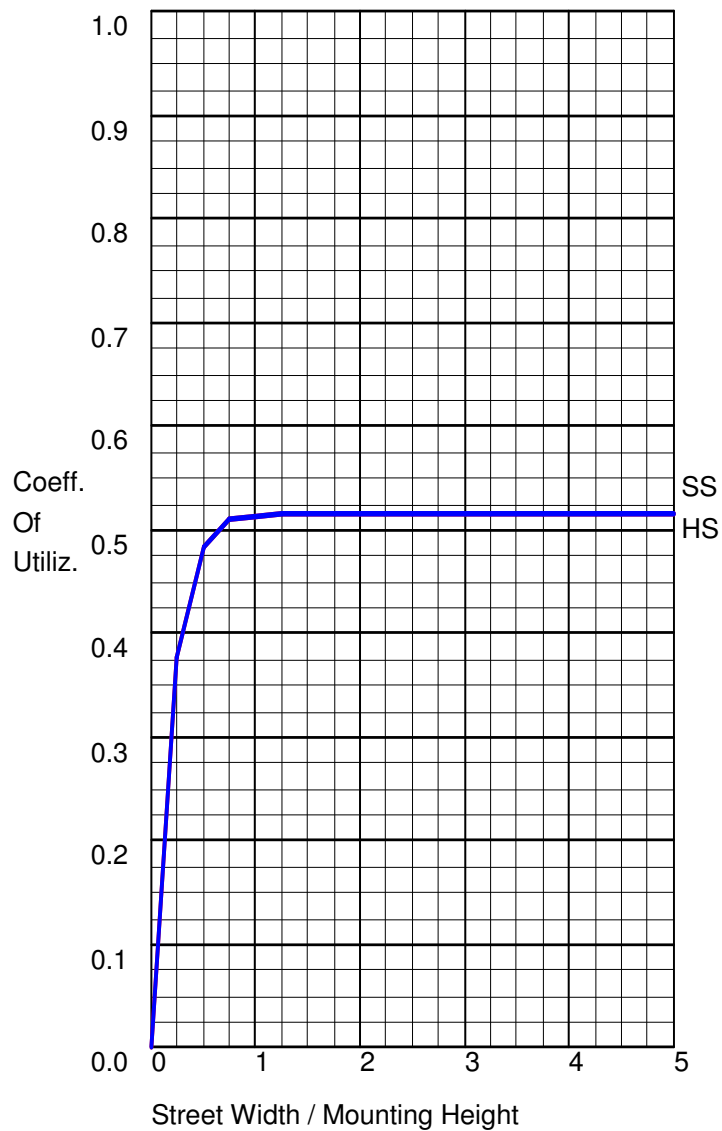
IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-827-XXX-DIM-UNV-S-XXX_IES****CANDELA TABULATION - (Cont.)**

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 : W4CR-XX-L15-827-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

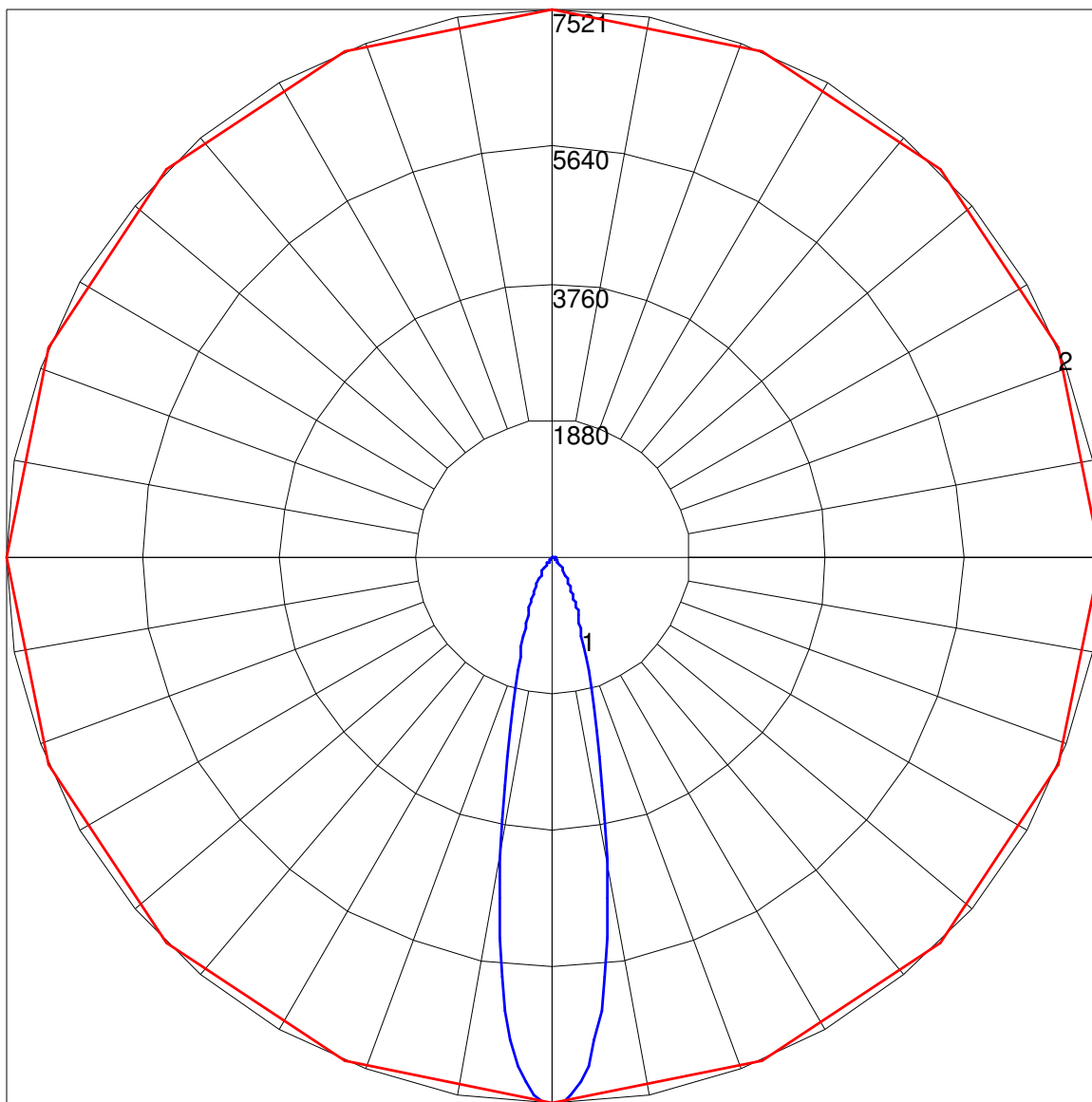
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	838.8	50.0
Downward House Side	838.8	50.0
Downward Total	1677.6	100.0
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	1677.6	100.0

POLAR GRAPH



Maximum Candela = 7520.507 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.)

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Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO IES R

