

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CR-XX-L15-927-XXX-DIM-UNV-N-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] NARROW DIST. W/MICROPRISIM LENS
[LUMCAT] W4CR-xx-L15-927-xxx-DIM-UNV-N-xxx
[MORE] 0-10V 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	1532
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	13.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Maximum Candela	4345.388
Maximum Candela Angle	90H 0V
Maximum Candela (<90 Degrees Vertical)	4345.388
Maximum Candela Angle (<90 Degrees Vertical)	90H 0V
Maximum Candela At 90 Degrees Vertical	.14 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.7 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CR-XX-L15-927-XXX-DIM-UNV-N-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	673.4	N.A.	44.0
FM - Front-Medium (30-60)	88.0	N.A.	5.7
FH - Front-High (60-80)	4.4	N.A.	0.3
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	673.4	N.A.	44.0
BM - Back-Medium (30-60)	88.0	N.A.	5.7
BH - Back-High (60-80)	4.4	N.A.	0.3
BVH - Back-Very High (80-90)	0.2	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	1532.1	N.A.	100.0
BUG Rating	B2-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	4345.388	4345.388	4345.388	4345.388	4345.388
1	4340.230	4340.033	4339.193	4338.980	4340.562
2	4318.910	4317.644	4316.809	4309.856	4308.408
3	4279.103	4272.633	4273.723	4269.649	4271.720
4	4215.574	4212.014	4208.403	4204.003	4207.640
5	4127.300	4132.717	4121.987	4115.226	4124.155
6	4017.949	4021.722	4013.835	4010.815	4017.145
7	3895.373	3890.169	3884.799	3885.790	3890.724
8	3746.180	3738.599	3736.565	3735.507	3742.838
9	3572.423	3568.018	3562.539	3562.529	3576.159
10	3377.954	3372.973	3369.377	3369.102	3386.551
11	3159.985	3155.813	3158.133	3162.076	3177.751
12	2924.945	2922.522	2928.220	2935.068	2955.574
13	2678.849	2681.143	2690.358	2699.770	2718.687
14	2430.086	2434.455	2450.405	2462.203	2476.649
15	2186.273	2194.066	2214.768	2228.223	2241.998
16	1953.552	1965.616	1989.110	2007.416	2014.550
17	1743.813	1756.167	1783.822	1798.324	1802.626
18	1556.229	1561.324	1591.983	1606.792	1611.358
19	1378.555	1393.602	1425.216	1437.368	1441.757
20	1229.703	1245.259	1273.158	1290.877	1294.919
21	1103.905	1117.240	1144.776	1158.541	1157.161
22	998.358	1011.807	1035.685	1046.960	1044.760
23	912.092	921.997	943.665	953.643	949.876
24	838.258	846.570	867.460	874.625	870.697
25	773.873	782.657	801.575	807.220	802.119
26	716.108	724.845	741.693	746.451	742.009
27	662.504	668.985	684.950	689.013	685.178
28	608.350	613.197	627.216	630.693	628.109
29	553.527	557.678	567.547	571.895	570.868
30	496.432	498.040	506.705	511.442	510.161
31	436.145	437.110	443.414	447.659	447.726
32	376.959	376.398	380.409	384.804	384.902
33	316.750	315.748	319.214	323.075	322.639
34	259.037	258.632	260.915	264.262	264.360
35	208.598	205.739	207.976	209.480	208.681
36	160.261	159.597	160.775	161.615	160.064
37	120.765	121.025	119.790	119.722	121.435
38	89.576	90.910	88.009	88.699	89.037
39	65.678	65.024	65.465	64.261	64.007
40	50.278	47.979	48.062	47.990	47.979
41	36.595	36.632	37.280	37.534	37.965
42	29.207	29.534	30.540	31.111	31.822
43	25.134	25.440	26.540	27.303	27.873
44	23.032	23.261	24.329	25.128	25.492
45	22.098	22.254	23.302	23.940	24.236
46	21.792	21.989	22.903	23.395	23.665
47	21.891	22.083	22.846	23.240	23.510
48	22.155	22.285	22.934	23.219	23.510
49	22.311	22.451	22.996	23.193	23.447
50	22.327	22.436	22.923	23.074	23.266
51	22.083	22.166	22.622	22.737	22.871
52	21.419	21.522	21.922	21.979	22.062

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53	20.422	20.511	20.889	20.884	20.936
54	19.151	19.255	19.577	19.525	19.587
55	17.730	17.792	18.082	18.005	18.041
56	16.189	16.220	16.422	16.370	16.380
57	14.549	14.585	14.710	14.679	14.658
58	12.982	13.008	13.070	13.044	13.023
59	11.529	11.519	11.534	11.503	11.493
60	10.206	10.185	10.159	10.154	10.149
61	9.065	9.028	8.997	8.976	8.987
62	8.089	8.037	8.011	7.990	8.001
63	7.280	7.238	7.186	7.171	7.191
64	6.595	6.564	6.522	6.496	6.532
65	6.050	6.019	5.982	5.946	5.988
66	5.562	5.547	5.505	5.479	5.526
67	5.157	5.142	5.095	5.080	5.126
68	4.779	4.768	4.732	4.706	4.763
69	4.436	4.431	4.384	4.364	4.416
70	4.120	4.109	4.063	4.032	4.073
71	3.803	3.803	3.741	3.705	3.731
72	3.502	3.497	3.430	3.383	3.414
73	3.196	3.191	3.113	3.056	3.082
74	2.874	2.869	2.786	2.719	2.745
75	2.537	2.511	2.439	2.361	2.382
76	2.148	2.117	2.029	1.966	1.987
77	1.707	1.686	1.572	1.525	1.525
78	1.193	1.183	1.069	1.007	1.017
79	0.773	0.783	0.752	0.758	0.758
80	0.700	0.700	0.690	0.690	0.690
81	0.654	0.654	0.654	0.659	0.654
82	0.623	0.617	0.617	0.623	0.623
83	0.581	0.576	0.576	0.576	0.581
84	0.534	0.529	0.529	0.534	0.534
85	0.483	0.483	0.483	0.483	0.483
86	0.425	0.420	0.420	0.420	0.425
87	0.353	0.353	0.353	0.353	0.353
88	0.275	0.275	0.275	0.270	0.270
89	0.192	0.187	0.187	0.187	0.187
90	0.140	0.130	0.130	0.125	0.119
91	0.130	0.125	0.119	0.114	0.114
92	0.130	0.125	0.119	0.119	0.114
93	0.130	0.125	0.125	0.119	0.119
94	0.130	0.125	0.125	0.119	0.119
95	0.130	0.125	0.125	0.119	0.125
96	0.135	0.125	0.125	0.119	0.119
97	0.135	0.130	0.125	0.125	0.125
98	0.135	0.130	0.130	0.130	0.130
99	0.145	0.130	0.130	0.130	0.130
100	0.145	0.135	0.130	0.130	0.130
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

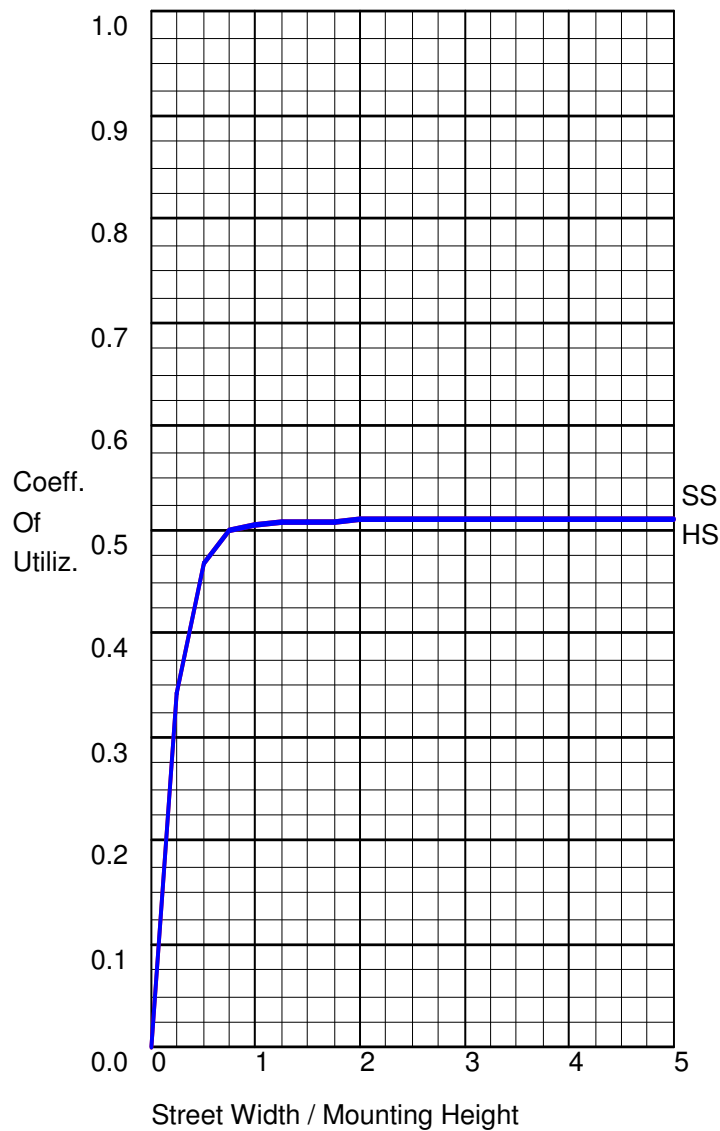
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109	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000
116	0.000	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

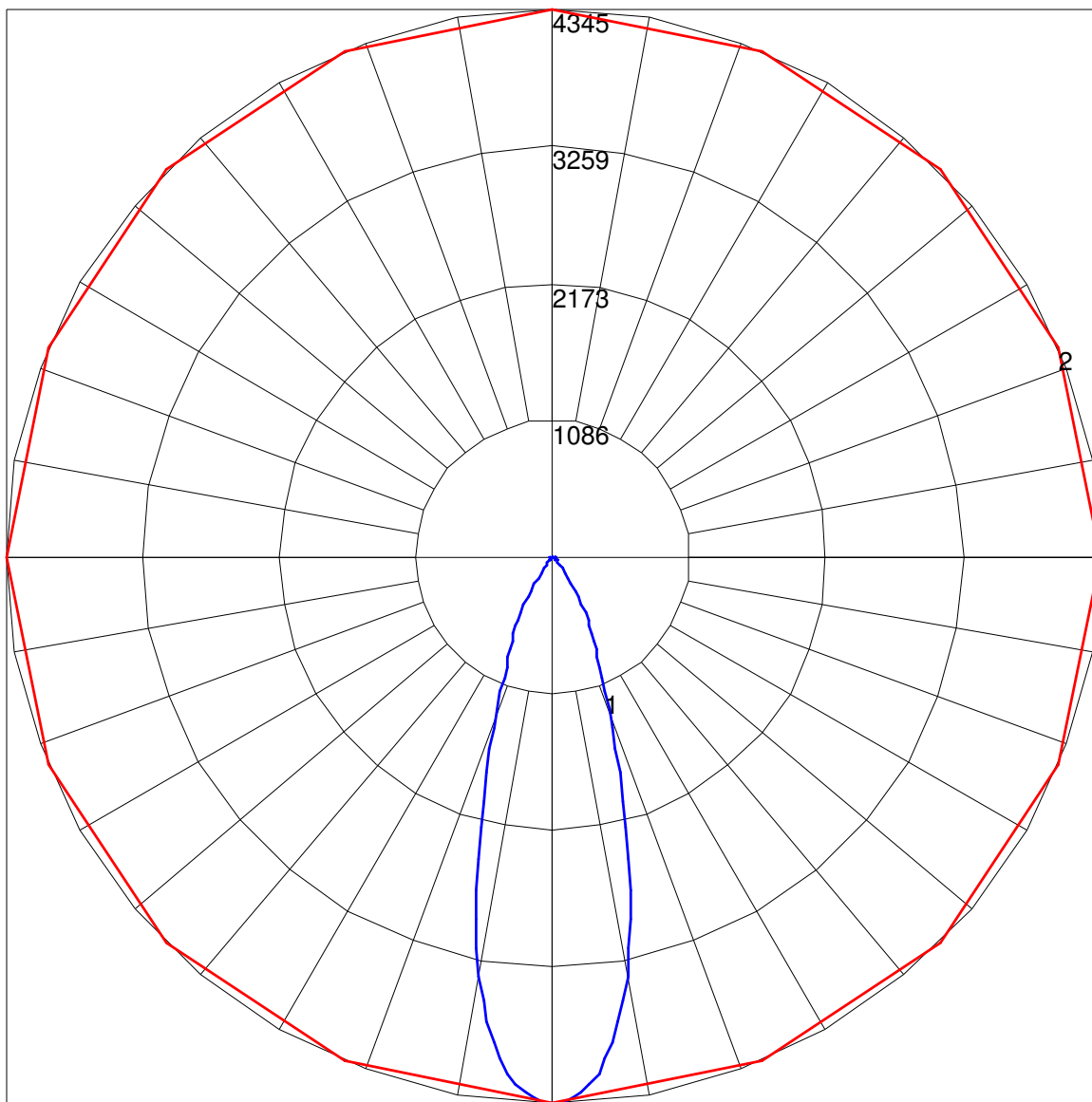
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	766.0	50.0
Downward House Side	766.0	50.0
Downward Total	1532.0	100.0
Upward Street Side	0.1	0.0
Upward House Side	0.1	0.0
Upward Total	0.2	0.0
Total Flux	1532.2	100.0

POLAR GRAPH



Maximum Candela = 4345.388 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

