

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-XXX-DIM-UNV-N-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-NARROW
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT OUTDOOR
[MORE] CYLINDER W/NARROW DIST. & MICROPRISIM LENS
[LUMCAT] W4CRDI-xx-L15-840U-L15-840D-xxx-DIM-UNV-N-xx
[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	3292
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4572.209
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4572.209
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.295 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.89 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-840U-L15-840D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	720.2	N.A.	21.9
FM - Front-Medium (30-60)	97.8	N.A.	3.0
FH - Front-High (60-80)	4.8	N.A.	0.1
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	720.2	N.A.	21.9
BM - Back-Medium (30-60)	97.8	N.A.	3.0
BH - Back-High (60-80)	4.8	N.A.	0.1
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	1645.5	N.A.	50.0
Total	3292.4	N.A.	100.0
BUG Rating	B2-U5-G0		

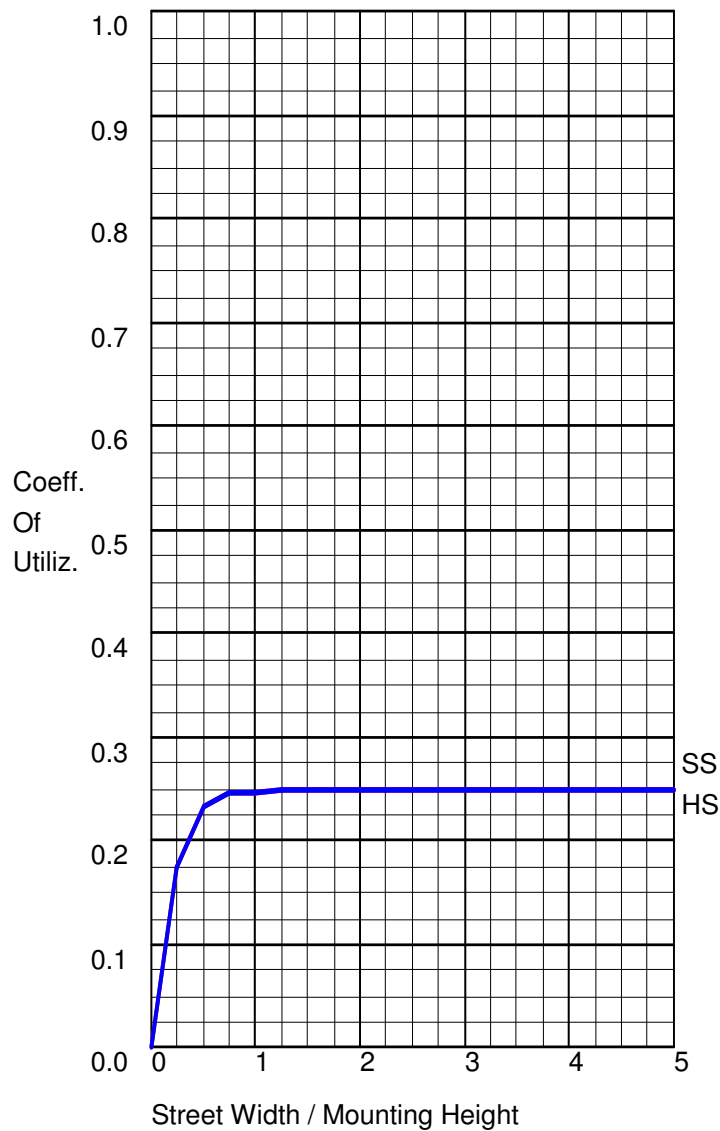
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CANDELA TABULATION

Vert. Angles	Horizontal Angles								
	<u>0</u>	<u>45</u>	<u>90</u>	<u>135</u>	<u>180</u>	<u>225</u>	<u>270</u>	<u>315</u>	<u>360</u>
0	4572.209	4572.209	4572.209	4572.209	4572.209	4572.209	4572.209	4572.209	4572.209
5	4342.737	4337.147	4339.429	4337.147	4342.737	4337.147	4339.429	4337.147	4342.737
10	3554.277	3545.252	3563.323	3545.252	3554.277	3545.252	3563.323	3545.252	3554.277
15	2300.392	2330.375	2359.027	2330.375	2300.392	2330.375	2359.027	2330.375	2300.392
20	1293.892	1339.615	1362.512	1339.615	1293.892	1339.615	1362.512	1339.615	1293.892
25	814.267	843.415	843.989	843.415	814.267	843.415	843.989	843.415	814.267
30	522.345	533.154	536.790	533.154	522.345	533.154	536.790	533.154	522.345
35	219.487	218.831	219.574	218.831	219.487	218.831	219.574	218.831	219.487
40	52.902	50.571	50.484	50.571	52.902	50.571	50.484	50.571	52.902
45	23.252	24.518	25.501	24.518	23.252	24.518	25.501	24.518	23.252
50	23.492	24.120	24.480	24.120	23.492	24.120	24.480	24.120	23.492
55	18.655	19.026	18.983	19.026	18.655	19.026	18.983	19.026	18.655
60	10.739	10.690	10.679	10.690	10.739	10.690	10.679	10.690	10.739
65	6.366	6.295	6.300	6.295	6.366	6.295	6.300	6.295	6.366
70	4.335	4.275	4.286	4.275	4.335	4.275	4.286	4.275	4.335
75	2.670	2.566	2.506	2.566	2.670	2.566	2.506	2.566	2.670
80	0.890	0.863	0.863	0.863	0.890	0.863	0.863	0.863	0.890
85	0.644	0.639	0.639	0.639	0.644	0.639	0.639	0.639	0.644
90	0.295	0.273	0.251	0.273	0.295	0.273	0.251	0.273	0.295
95	0.644	0.639	0.639	0.639	0.644	0.639	0.639	0.639	0.644
100	0.890	0.863	0.863	0.863	0.890	0.863	0.863	0.863	0.890
105	2.670	2.566	2.506	2.566	2.670	2.566	2.506	2.566	2.670
110	4.335	4.275	4.286	4.275	4.335	4.275	4.286	4.275	4.335
115	6.366	6.295	6.300	6.295	6.366	6.295	6.300	6.295	6.366
120	10.739	10.690	10.679	10.690	10.739	10.690	10.679	10.690	10.739
125	18.655	19.026	18.983	19.026	18.655	19.026	18.983	19.026	18.655
130	23.492	24.120	24.480	24.120	23.492	24.120	24.480	24.120	23.492
135	23.252	24.518	25.501	24.518	23.252	24.518	25.501	24.518	23.252
140	52.902	50.571	50.484	50.571	52.902	50.571	50.484	50.571	52.902
145	219.487	218.831	219.574	218.831	219.487	218.831	219.574	218.831	219.487
150	522.345	533.154	536.790	533.154	522.345	533.154	536.790	533.154	522.345
155	814.267	843.415	843.989	843.415	814.267	843.415	843.989	843.415	814.267
160	1293.892	1339.615	1362.512	1339.615	1293.892	1339.615	1362.512	1339.615	1293.892
165	2300.392	2330.375	2359.027	2330.375	2300.392	2330.375	2359.027	2330.375	2300.392
170	3554.277	3545.252	3563.323	3545.252	3554.277	3545.252	3563.323	3545.252	3554.277
175	4342.737	4337.147	4339.429	4337.147	4342.737	4337.147	4339.429	4337.147	4342.737
180	4571.751	4571.751	4571.751	4571.751	4571.751	4571.751	4571.751	4571.751	4571.751

COEFFICIENTS OF UTILIZATION



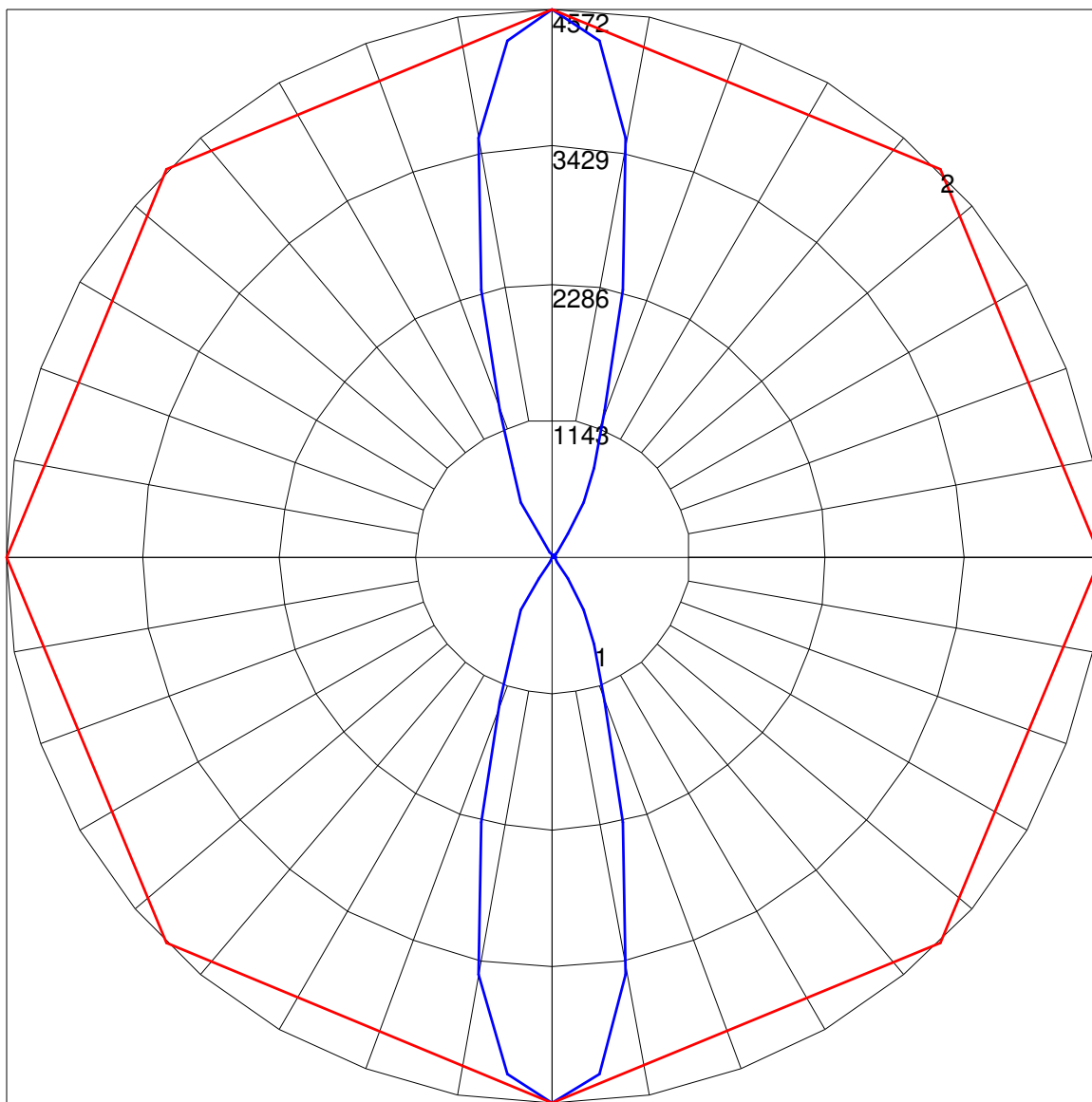
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	823.1	25.0
Downward House Side	823.1	25.0
Downward Total	1646.2	50.0
Upward Street Side	823.1	25.0
Upward House Side	823.1	25.0
Upward Total	1646.2	50.0
Total Flux	3292.4	100.0

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POLAR GRAPH



Maximum Candela = 4572.209 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

