

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-XXX-DIM-UNV-S-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W4CR\_BARBARA-G2-S\_(V13)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-08-07  
[MANUFAC] H.E. WILLIAMS, INC.  
[MORE] CARTHAGE, MO. 64836  
[LUMCAT] W4CRDI-xx-L10-935U-L10-935D-xxx-DIM-UNV-S-xx  
[LUMINAIRE] 4 INCH ROUND DIRECT/INDIRECT LED  
[MORE] CYLINDER W/SPOT DISTRIBUTION  
[LAMPCAT] BL VERO 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	2229
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4842.369
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4842.369
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.099 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.266 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-XXX-DIM-UNV-S-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	504.4	N.A.	22.6
FM - Front-Medium (30-60)	51.3	N.A.	2.3
FH - Front-High (60-80)	1.5	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	504.4	N.A.	22.6
BM - Back-Medium (30-60)	51.3	N.A.	2.3
BH - Back-High (60-80)	1.5	N.A.	0.1
BVH - Back-Very High (80-90)	0.1	N.A.	0.0
UL - Uplight-Low (90-100)	0.2	N.A.	0.0
UH - Uplight-High (100-180)	1114.3	N.A.	50.0
Total	2229.1	N.A.	100.0
BUG Rating	B2-U5-G0		

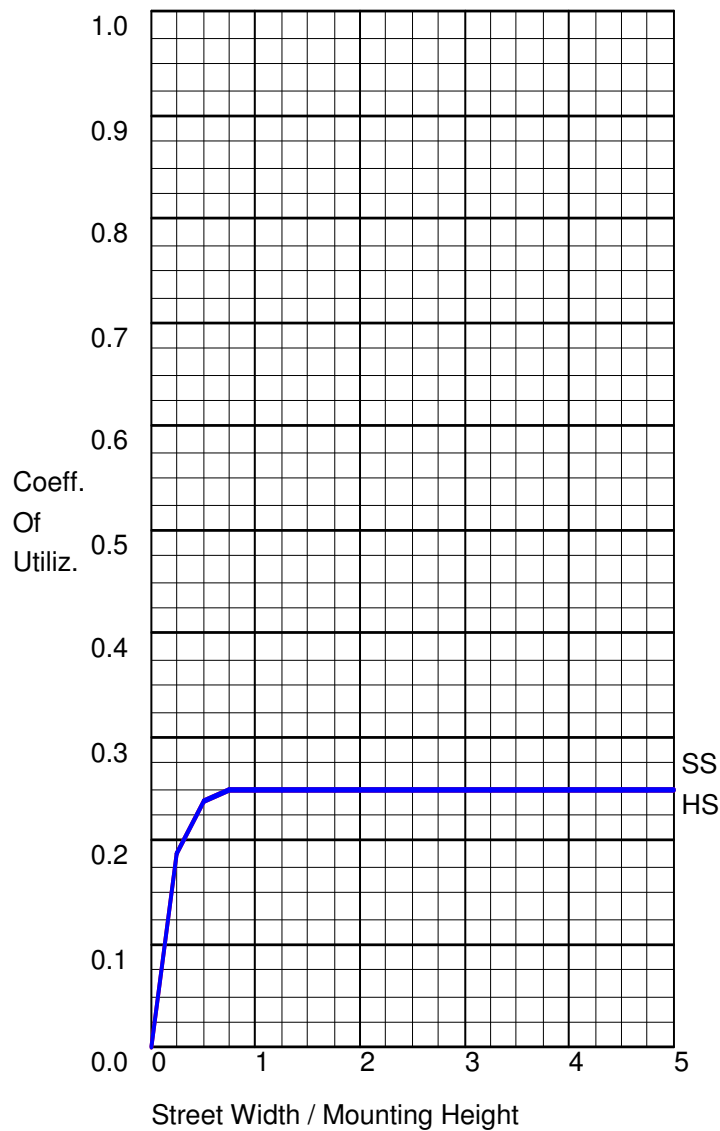
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## CANDELA TABULATION

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	4842.369	4842.369	4842.369	4842.369	4842.369	4842.369	4842.369	4842.369	4842.369
5	4298.899	4293.729	4309.958	4293.729	4298.899	4293.729	4309.958	4293.729	4298.899
10	2670.899	2715.865	2712.957	2715.865	2670.899	2715.865	2712.957	2715.865	2670.899
15	1337.998	1387.595	1379.654	1387.595	1337.998	1387.595	1379.654	1387.595	1337.998
20	737.687	759.190	757.904	759.190	737.687	759.190	757.904	759.190	737.687
25	490.865	496.039	490.133	496.039	490.865	496.039	490.133	496.039	490.865
30	306.079	304.854	305.486	304.854	306.079	304.854	305.486	304.854	306.079
35	117.422	120.288	130.313	120.288	117.422	120.288	130.313	120.288	117.422
40	26.436	29.372	32.526	29.372	26.436	29.372	32.526	29.372	26.436
45	9.024	10.185	10.998	10.185	9.024	10.185	10.998	10.185	9.024
50	5.504	6.037	6.115	6.037	5.504	6.037	6.115	6.037	5.504
55	3.967	4.237	4.013	4.237	3.967	4.237	4.013	4.237	3.967
60	3.004	3.097	2.862	3.097	3.004	3.097	2.862	3.097	3.004
65	2.127	2.180	1.978	2.180	2.127	2.180	1.978	2.180	2.127
70	1.378	1.428	1.225	1.428	1.378	1.428	1.225	1.428	1.378
75	0.742	0.756	0.593	0.756	0.742	0.756	0.593	0.756	0.742
80	0.266	0.263	0.252	0.263	0.266	0.263	0.252	0.263	0.266
85	0.192	0.195	0.181	0.195	0.192	0.195	0.181	0.195	0.192
90	0.099	0.092	0.085	0.092	0.099	0.092	0.085	0.092	0.099
95	0.192	0.195	0.181	0.195	0.192	0.195	0.181	0.195	0.192
100	0.266	0.263	0.252	0.263	0.266	0.263	0.252	0.263	0.266
105	0.742	0.756	0.593	0.756	0.742	0.756	0.593	0.756	0.742
110	1.378	1.428	1.225	1.428	1.378	1.428	1.225	1.428	1.378
115	2.127	2.180	1.978	2.180	2.127	2.180	1.978	2.180	2.127
120	3.004	3.097	2.862	3.097	3.004	3.097	2.862	3.097	3.004
125	3.967	4.237	4.013	4.237	3.967	4.237	4.013	4.237	3.967
130	5.504	6.037	6.115	6.037	5.504	6.037	6.115	6.037	5.504
135	9.024	10.185	10.998	10.185	9.024	10.185	10.998	10.185	9.024
140	26.436	29.372	32.526	29.372	26.436	29.372	32.526	29.372	26.436
145	117.422	120.288	130.313	120.288	117.422	120.288	130.313	120.288	117.422
150	306.079	304.854	305.486	304.854	306.079	304.854	305.486	304.854	306.079
155	490.865	496.039	490.133	496.039	490.865	496.039	490.133	496.039	490.865
160	737.687	759.190	757.904	759.190	737.687	759.190	757.904	759.190	737.687
165	1337.998	1387.595	1379.654	1387.595	1337.998	1387.595	1379.654	1387.595	1337.998
170	2670.899	2715.865	2712.957	2715.865	2670.899	2715.865	2712.957	2715.865	2670.899
175	4298.899	4293.729	4309.958	4293.729	4298.899	4293.729	4309.958	4293.729	4298.899
180	4842.131	4842.131	4842.131	4842.131	4842.131	4842.131	4842.131	4842.131	4842.131

COEFFICIENTS OF UTILIZATION



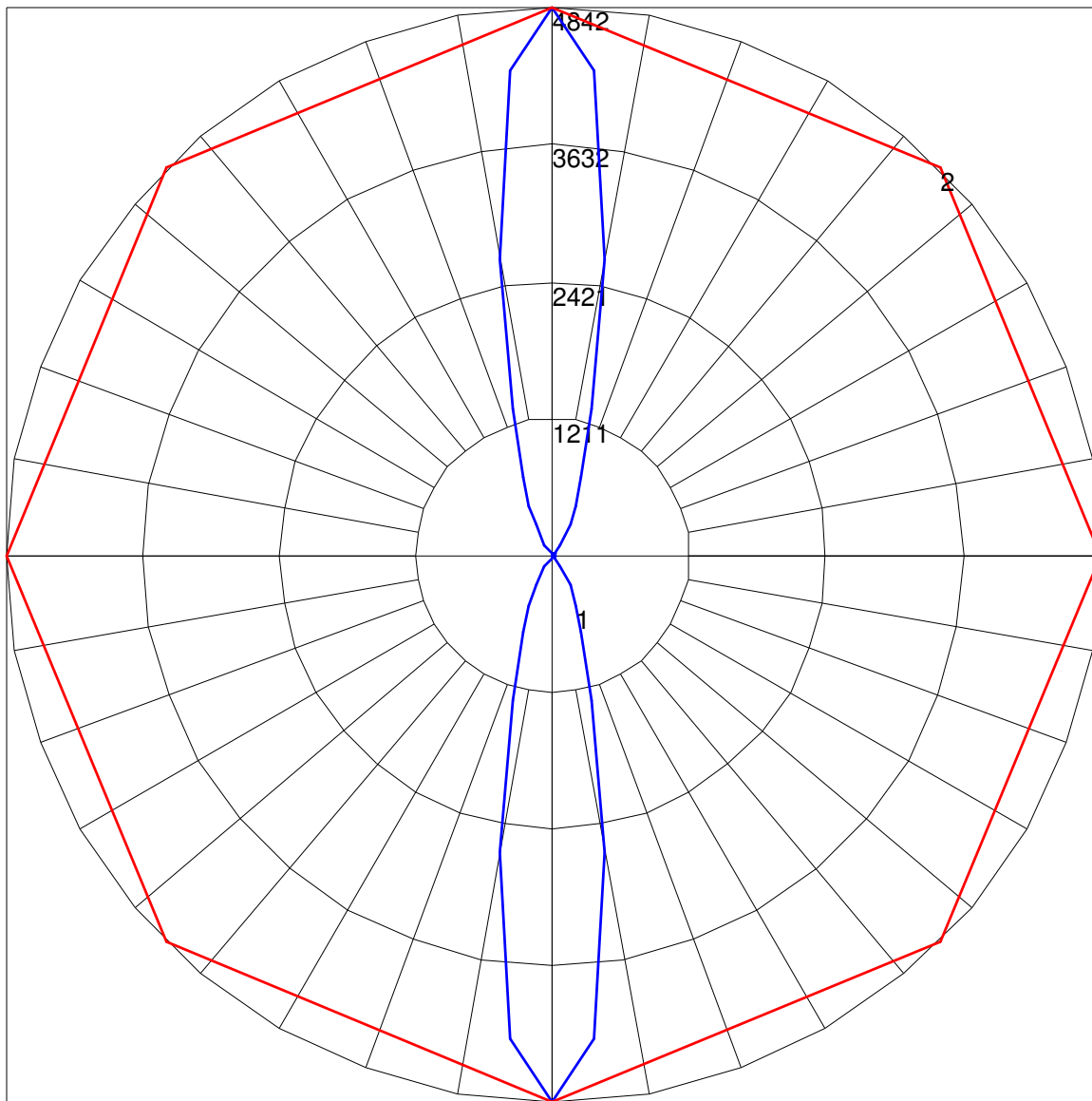
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	557.2	25.0
Downward House Side	557.2	25.0
Downward Total	1114.4	50.0
Upward Street Side	557.2	25.0
Upward House Side	557.2	25.0
Upward Total	1114.4	50.0
Total Flux	2228.8	100.0

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## POLAR GRAPH

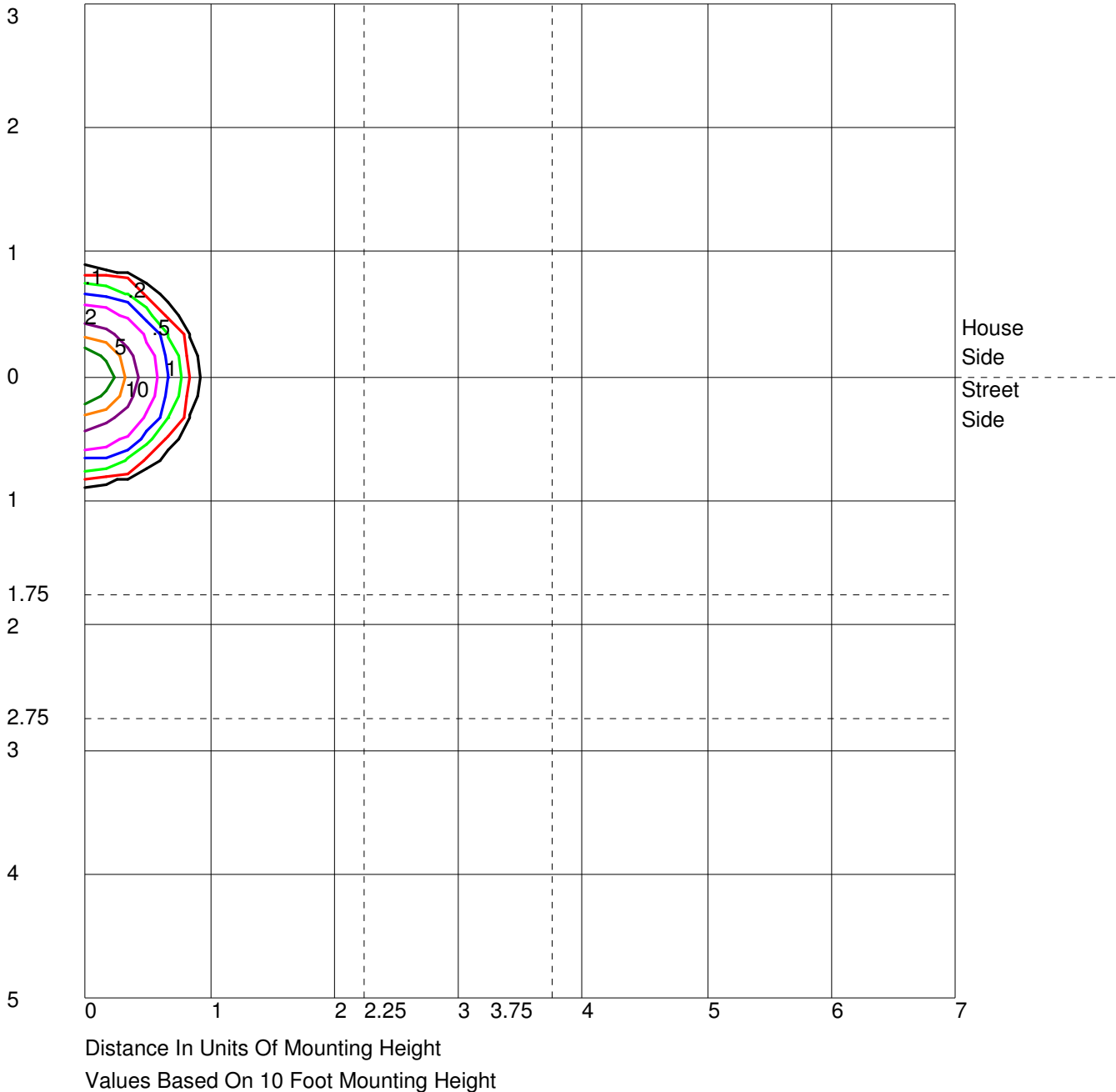


Maximum Candela = 4842.369 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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



# PHOTO LUMENS

