

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-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-L15-935U-L15-935D-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	3287
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	7140.512
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7140.512
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.147 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.393 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-S-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	743.7	N.A.	22.6
FM - Front-Medium (30-60)	75.6	N.A.	2.3
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)	743.7	N.A.	22.6
BM - Back-Medium (30-60)	75.6	N.A.	2.3
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)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	1643.1	N.A.	50.0
Total	3286.6	N.A.	100.0
BUG Rating	B2-U5-G0		

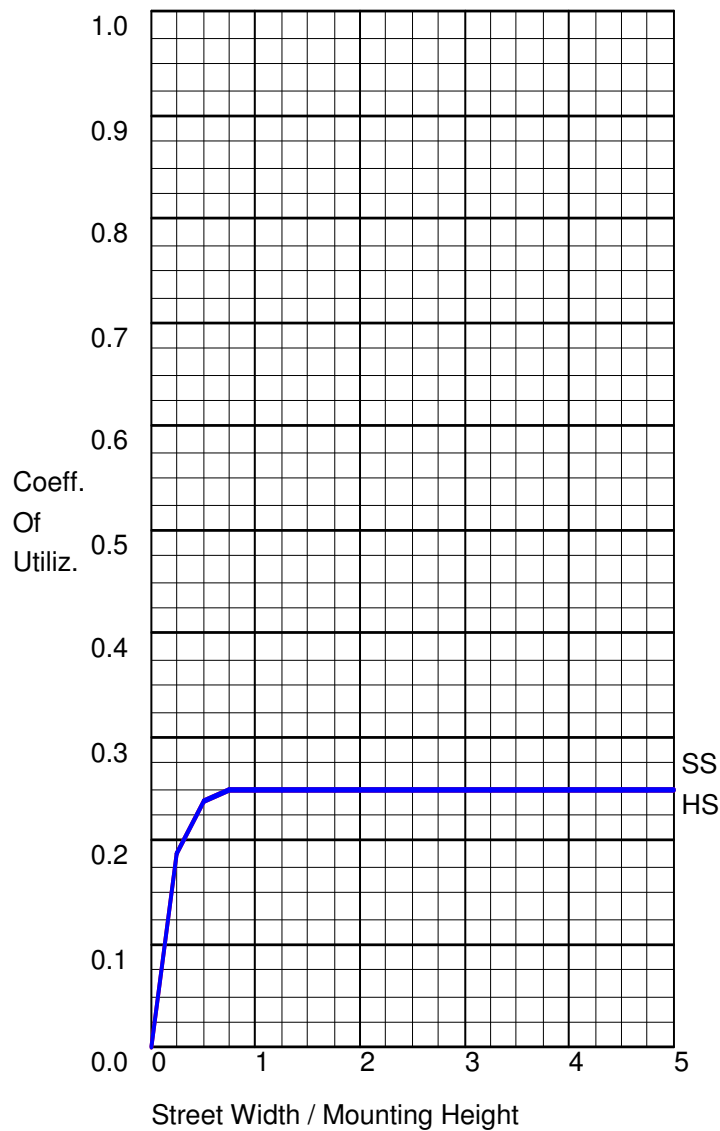
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## CANDELA TABULATION

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	7140.512	7140.512	7140.512	7140.512	7140.512	7140.512	7140.512	7140.512	7140.512
5	6339.117	6331.493	6355.424	6331.493	6339.117	6331.493	6355.424	6331.493	6339.117
10	3938.484	4004.790	4000.501	4004.790	3938.484	4004.790	4000.501	4004.790	3938.484
15	1972.999	2046.134	2034.425	2046.134	1972.999	2046.134	2034.425	2046.134	1972.999
20	1087.787	1119.495	1117.599	1119.495	1087.787	1119.495	1117.599	1119.495	1087.787
25	723.824	731.454	722.746	731.454	723.824	731.454	722.746	731.454	723.824
30	451.341	449.534	450.466	449.534	451.341	449.534	450.466	449.534	451.341
35	173.150	177.376	192.159	177.376	173.150	177.376	192.159	177.376	173.150
40	38.982	43.312	47.962	43.312	38.982	43.312	47.962	43.312	38.982
45	13.306	15.019	16.218	15.019	13.306	15.019	16.218	15.019	13.306
50	8.117	8.902	9.017	8.902	8.117	8.902	9.017	8.902	8.117
55	5.849	6.247	5.917	6.247	5.849	6.247	5.917	6.247	5.849
60	4.430	4.566	4.221	4.566	4.430	4.566	4.221	4.566	4.430
65	3.137	3.215	2.917	3.215	3.137	3.215	2.917	3.215	3.137
70	2.032	2.105	1.807	2.105	2.032	2.105	1.807	2.105	2.032
75	1.094	1.115	0.875	1.115	1.094	1.115	0.875	1.115	1.094
80	0.393	0.388	0.372	0.388	0.393	0.388	0.372	0.388	0.393
85	0.283	0.288	0.267	0.288	0.283	0.288	0.267	0.288	0.283
90	0.147	0.136	0.126	0.136	0.147	0.136	0.126	0.136	0.147
95	0.283	0.288	0.267	0.288	0.283	0.288	0.267	0.288	0.283
100	0.393	0.388	0.372	0.388	0.393	0.388	0.372	0.388	0.393
105	1.094	1.115	0.875	1.115	1.094	1.115	0.875	1.115	1.094
110	2.032	2.105	1.807	2.105	2.032	2.105	1.807	2.105	2.032
115	3.137	3.215	2.917	3.215	3.137	3.215	2.917	3.215	3.137
120	4.430	4.566	4.221	4.566	4.430	4.566	4.221	4.566	4.430
125	5.849	6.247	5.917	6.247	5.849	6.247	5.917	6.247	5.849
130	8.117	8.902	9.017	8.902	8.117	8.902	9.017	8.902	8.117
135	13.306	15.019	16.218	15.019	13.306	15.019	16.218	15.019	13.306
140	38.982	43.312	47.962	43.312	38.982	43.312	47.962	43.312	38.982
145	173.150	177.376	192.159	177.376	173.150	177.376	192.159	177.376	173.150
150	451.341	449.534	450.466	449.534	451.341	449.534	450.466	449.534	451.341
155	723.824	731.454	722.746	731.454	723.824	731.454	722.746	731.454	723.824
160	1087.787	1119.495	1117.599	1119.495	1087.787	1119.495	1117.599	1119.495	1087.787
165	1972.999	2046.134	2034.425	2046.134	1972.999	2046.134	2034.425	2046.134	1972.999
170	3938.484	4004.790	4000.501	4004.790	3938.484	4004.790	4000.501	4004.790	3938.484
175	6339.117	6331.493	6355.424	6331.493	6339.117	6331.493	6355.424	6331.493	6339.117
180	7140.161	7140.161	7140.161	7140.161	7140.161	7140.161	7140.161	7140.161	7140.161

COEFFICIENTS OF UTILIZATION



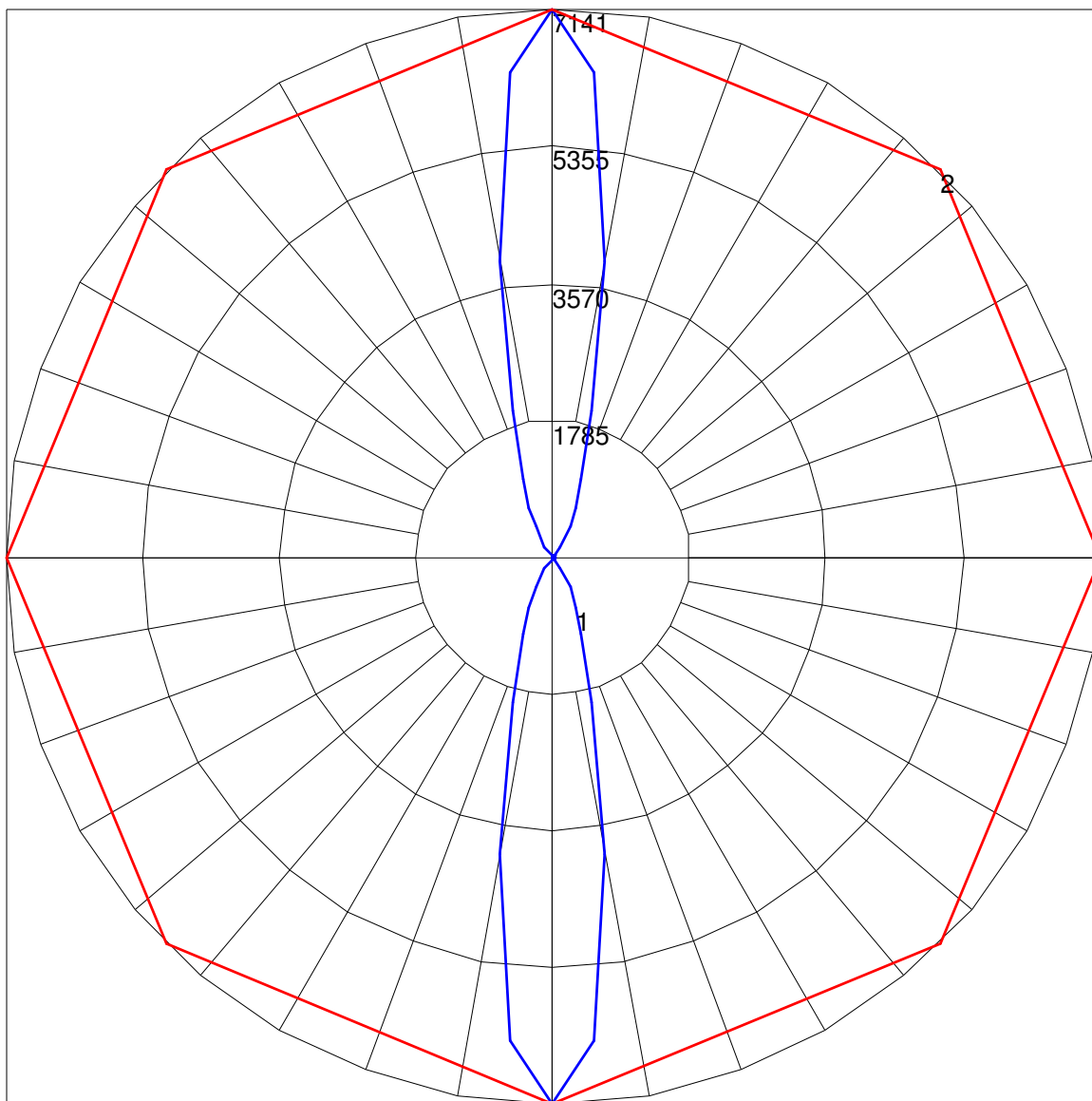
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	821.7	25.0
Downward House Side	821.7	25.0
Downward Total	1643.4	50.0
Upward Street Side	821.7	25.0
Upward House Side	821.7	25.0
Upward Total	1643.4	50.0
Total Flux	3286.8	100.0

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## POLAR GRAPH

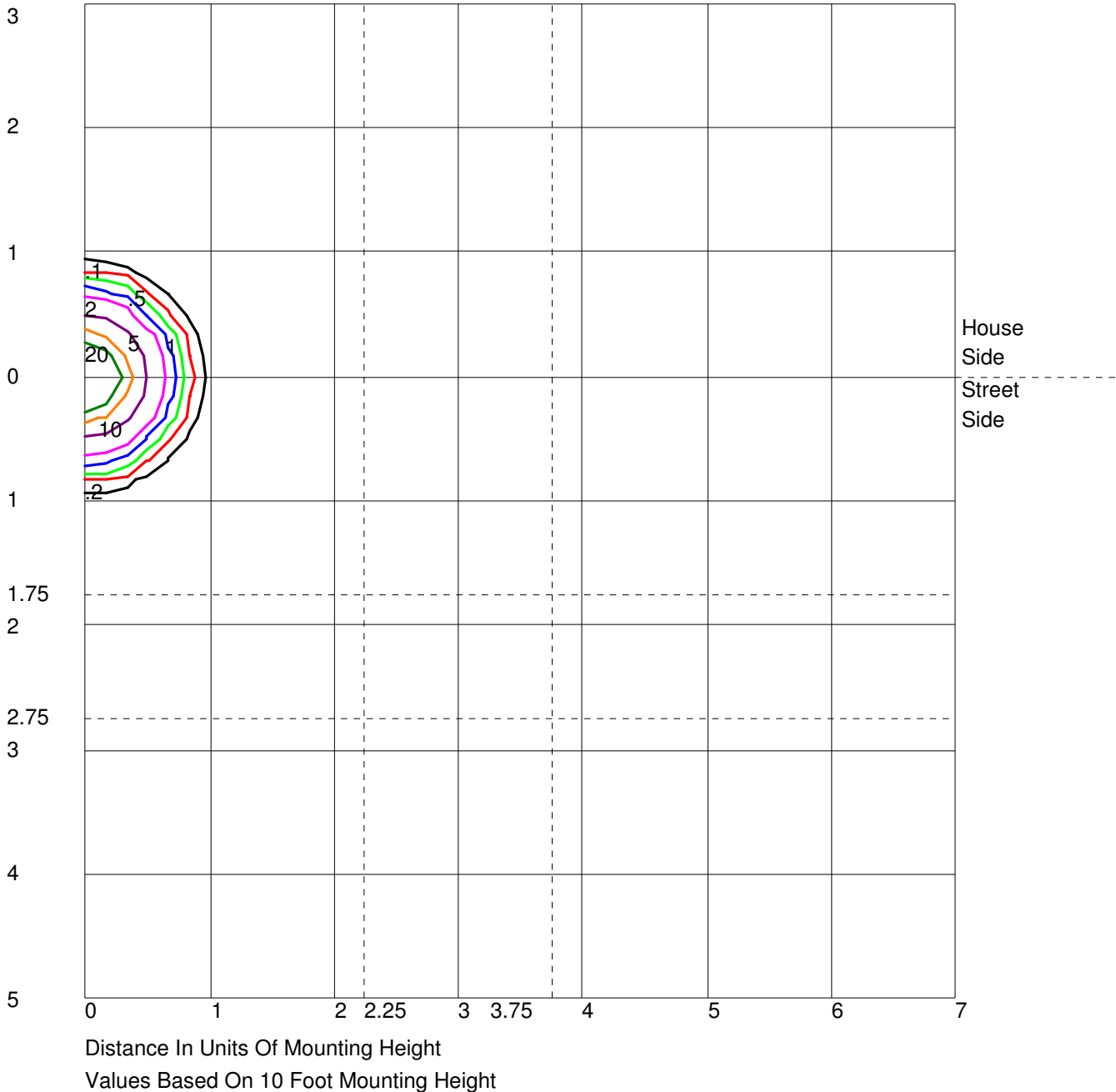


Maximum Candela = 7140.512 Located At Horizontal Angle = 360, Vertical Angle = 0

# 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

