

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-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-L10-930U-L10-930D-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	2206
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	4791.926
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	4791.926
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.098 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.264 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-930U-L10-930D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	499.1	N.A.	22.6
FM - Front-Medium (30-60)	50.8	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)	499.1	N.A.	22.6
BM - Back-Medium (30-60)	50.8	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)	1102.7	N.A.	50.0
Total	2205.9	N.A.	100.0
BUG Rating	B1-U5-G0		

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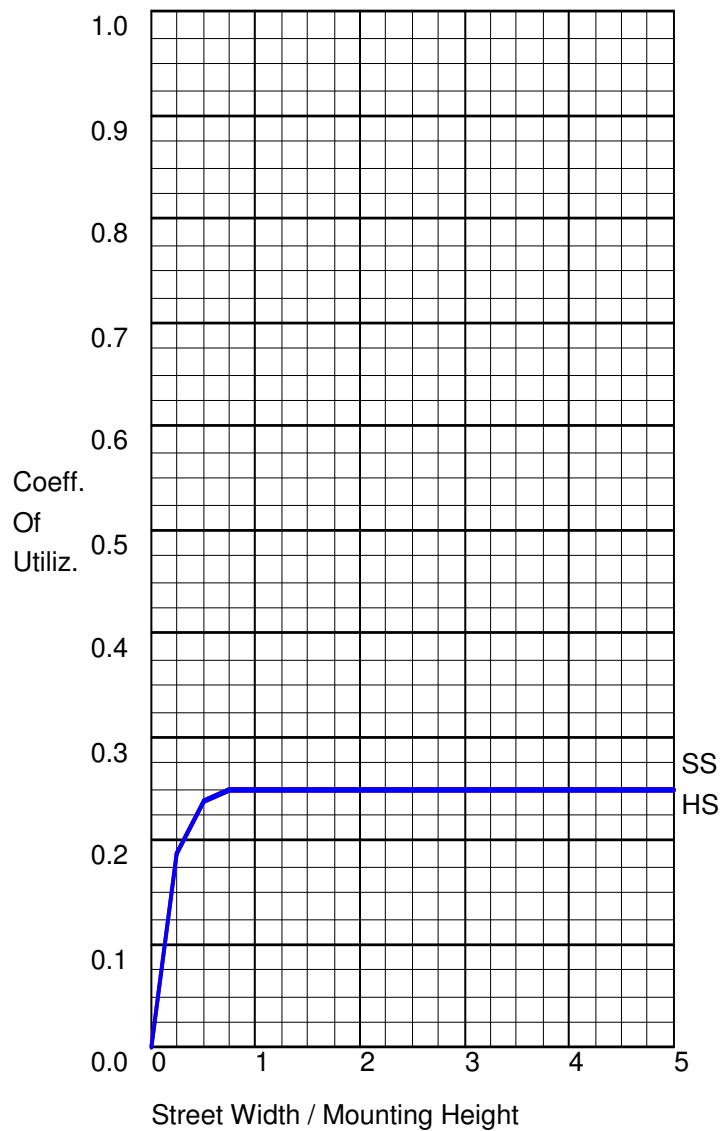
CANDELA TABULATION

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	4791.926	4791.926	4791.926	4791.926	4791.926	4791.926	4791.926	4791.926	4791.926
5	4254.118	4249.001	4265.062	4249.001	4254.118	4249.001	4265.062	4249.001	4254.118
10	2643.077	2687.574	2684.696	2687.574	2643.077	2687.574	2684.696	2687.574	2643.077
15	1324.060	1373.140	1365.282	1373.140	1324.060	1373.140	1365.282	1373.140	1324.060
20	730.003	751.282	750.009	751.282	730.003	751.282	750.009	751.282	730.003
25	485.751	490.872	485.027	490.872	485.751	490.872	485.027	490.872	485.751
30	302.890	301.678	302.303	301.678	302.890	301.678	302.303	301.678	302.890
35	116.199	119.035	128.956	119.035	116.199	119.035	128.956	119.035	116.199
40	26.160	29.066	32.187	29.066	26.160	29.066	32.187	29.066	26.160
45	8.930	10.079	10.884	10.079	8.930	10.079	10.884	10.079	8.930
50	5.447	5.974	6.052	5.974	5.447	5.974	6.052	5.974	5.447
55	3.925	4.193	3.971	4.193	3.925	4.193	3.971	4.193	3.925
60	2.973	3.064	2.832	3.064	2.973	3.064	2.832	3.064	2.973
65	2.105	2.158	1.957	2.158	2.105	2.158	1.957	2.158	2.105
70	1.364	1.413	1.212	1.413	1.364	1.413	1.212	1.413	1.364
75	0.734	0.749	0.587	0.749	0.734	0.749	0.587	0.749	0.734
80	0.264	0.260	0.250	0.260	0.264	0.260	0.250	0.260	0.264
85	0.190	0.193	0.179	0.193	0.190	0.193	0.179	0.193	0.190
90	0.098	0.091	0.084	0.091	0.098	0.091	0.084	0.091	0.098
95	0.190	0.193	0.179	0.193	0.190	0.193	0.179	0.193	0.190
100	0.264	0.260	0.250	0.260	0.264	0.260	0.250	0.260	0.264
105	0.734	0.749	0.587	0.749	0.734	0.749	0.587	0.749	0.734
110	1.364	1.413	1.212	1.413	1.364	1.413	1.212	1.413	1.364
115	2.105	2.158	1.957	2.158	2.105	2.158	1.957	2.158	2.105
120	2.973	3.064	2.832	3.064	2.973	3.064	2.832	3.064	2.973
125	3.925	4.193	3.971	4.193	3.925	4.193	3.971	4.193	3.925
130	5.447	5.974	6.052	5.974	5.447	5.974	6.052	5.974	5.447
135	8.930	10.079	10.884	10.079	8.930	10.079	10.884	10.079	8.930
140	26.160	29.066	32.187	29.066	26.160	29.066	32.187	29.066	26.160
145	116.199	119.035	128.956	119.035	116.199	119.035	128.956	119.035	116.199
150	302.890	301.678	302.303	301.678	302.890	301.678	302.303	301.678	302.890
155	485.751	490.872	485.027	490.872	485.751	490.872	485.027	490.872	485.751
160	730.003	751.282	750.009	751.282	730.003	751.282	750.009	751.282	730.003
165	1324.060	1373.140	1365.282	1373.140	1324.060	1373.140	1365.282	1373.140	1324.060
170	2643.077	2687.574	2684.696	2687.574	2643.077	2687.574	2684.696	2687.574	2643.077
175	4254.118	4249.001	4265.062	4249.001	4254.118	4249.001	4265.062	4249.001	4254.118
180	4791.691	4791.691	4791.691	4791.691	4791.691	4791.691	4791.691	4791.691	4791.691

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COEFFICIENTS OF UTILIZATION



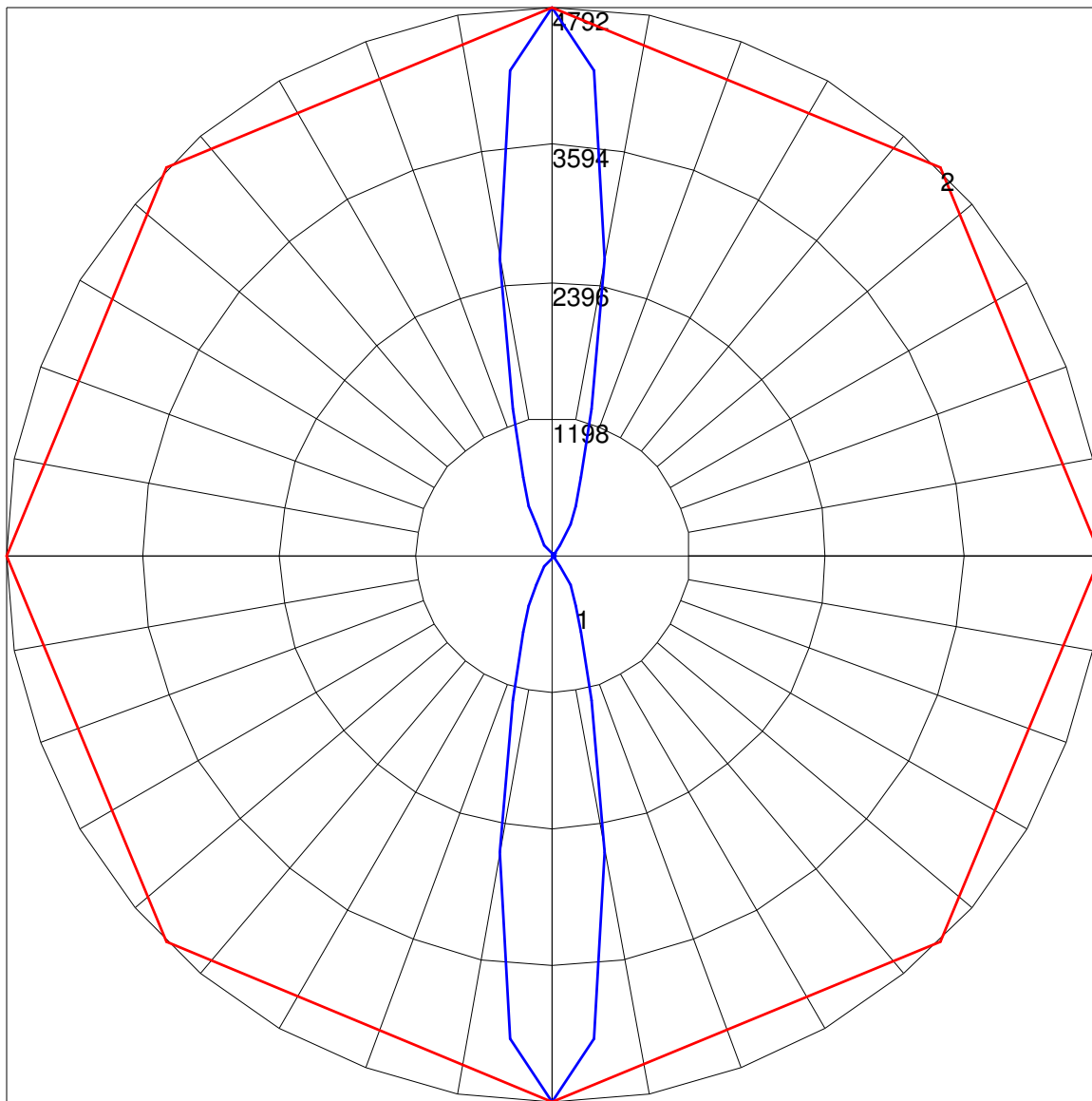
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	551.4	25.0
Downward House Side	551.4	25.0
Downward Total	1102.8	50.0
Upward Street Side	551.4	25.0
Upward House Side	551.4	25.0
Upward Total	1102.8	50.0
Total Flux	2205.6	100.0

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POLAR GRAPH



Maximum Candela = 4791.926 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.)

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Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO LUMENS

