

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-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-L15-950U-L15-950D-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	3218
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	6991.751
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	6991.751
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.144 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.385 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	728.2	N.A.	22.6
FM - Front-Medium (30-60)	74.1	N.A.	2.3
FH - Front-High (60-80)	2.1	N.A.	0.1
FVH - Front-Very High (80-90)	0.1	N.A.	0.0
BL - Back-Low (0-30)	728.3	N.A.	22.6
BM - Back-Medium (30-60)	74.1	N.A.	2.3
BH - Back-High (60-80)	2.1	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)	1608.9	N.A.	50.0
Total	3218.3	N.A.	100.0
BUG Rating	B2-U5-G0		

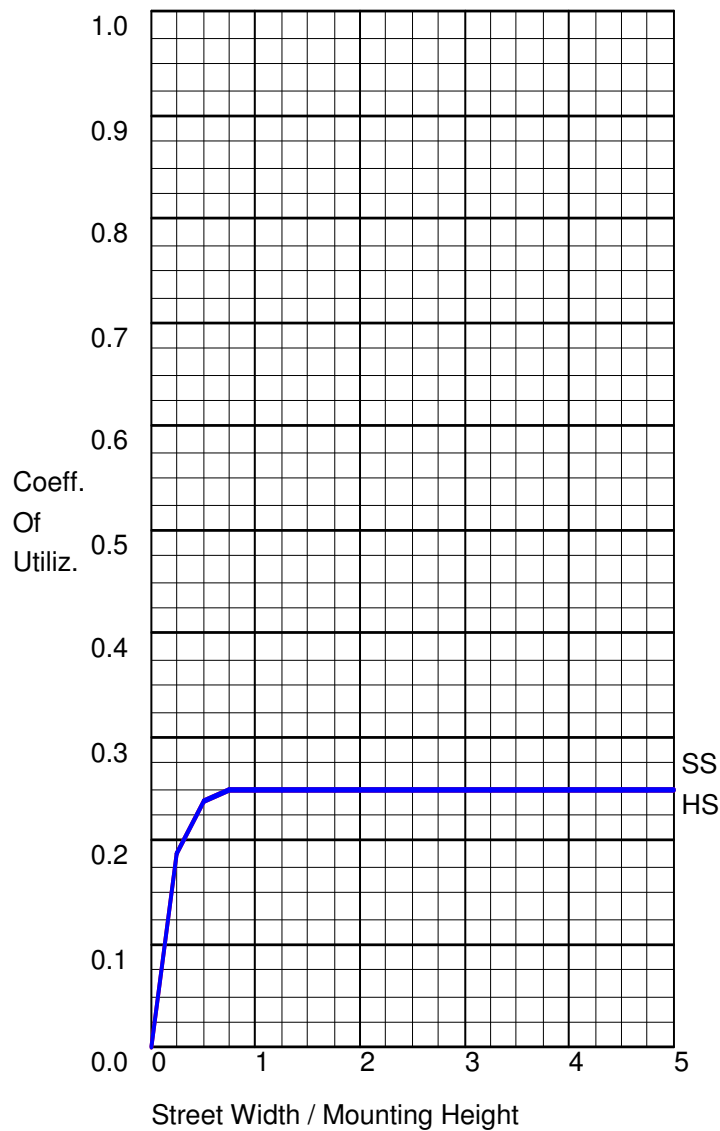
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CANDELA TABULATION

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	6991.751	6991.751	6991.751	6991.751	6991.751	6991.751	6991.751	6991.751	6991.751
5	6207.052	6199.586	6223.019	6199.586	6207.052	6199.586	6223.019	6199.586	6207.052
10	3856.432	3921.357	3917.157	3921.357	3856.432	3921.357	3917.157	3921.357	3856.432
15	1931.895	2003.506	1992.041	2003.506	1931.895	2003.506	1992.041	2003.506	1931.895
20	1065.124	1096.172	1094.316	1096.172	1065.124	1096.172	1094.316	1096.172	1065.124
25	708.745	716.215	707.688	716.215	708.745	716.215	707.688	716.215	708.745
30	441.938	440.169	441.082	440.169	441.938	440.169	441.082	440.169	441.938
35	169.542	173.680	188.155	173.680	169.542	173.680	188.155	173.680	169.542
40	38.169	42.410	46.963	42.410	38.169	42.410	46.963	42.410	38.169
45	13.029	14.706	15.880	14.706	13.029	14.706	15.880	14.706	13.029
50	7.948	8.717	8.830	8.717	7.948	8.717	8.830	8.717	7.948
55	5.727	6.117	5.794	6.117	5.727	6.117	5.794	6.117	5.727
60	4.338	4.471	4.133	4.471	4.338	4.471	4.133	4.471	4.338
65	3.071	3.148	2.856	3.148	3.071	3.148	2.856	3.148	3.071
70	1.989	2.061	1.769	2.061	1.989	2.061	1.769	2.061	1.989
75	1.072	1.092	0.856	1.092	1.072	1.092	0.856	1.092	1.072
80	0.385	0.379	0.364	0.379	0.385	0.379	0.364	0.379	0.385
85	0.277	0.282	0.262	0.282	0.277	0.282	0.262	0.282	0.277
90	0.144	0.133	0.123	0.133	0.144	0.133	0.123	0.133	0.144
95	0.277	0.282	0.262	0.282	0.277	0.282	0.262	0.282	0.277
100	0.385	0.379	0.364	0.379	0.385	0.379	0.364	0.379	0.385
105	1.072	1.092	0.856	1.092	1.072	1.092	0.856	1.092	1.072
110	1.989	2.061	1.769	2.061	1.989	2.061	1.769	2.061	1.989
115	3.071	3.148	2.856	3.148	3.071	3.148	2.856	3.148	3.071
120	4.338	4.471	4.133	4.471	4.338	4.471	4.133	4.471	4.338
125	5.727	6.117	5.794	6.117	5.727	6.117	5.794	6.117	5.727
130	7.948	8.717	8.830	8.717	7.948	8.717	8.830	8.717	7.948
135	13.029	14.706	15.880	14.706	13.029	14.706	15.880	14.706	13.029
140	38.169	42.410	46.963	42.410	38.169	42.410	46.963	42.410	38.169
145	169.542	173.680	188.155	173.680	169.542	173.680	188.155	173.680	169.542
150	441.938	440.169	441.082	440.169	441.938	440.169	441.082	440.169	441.938
155	708.745	716.215	707.688	716.215	708.745	716.215	707.688	716.215	708.745
160	1065.124	1096.172	1094.316	1096.172	1065.124	1096.172	1094.316	1096.172	1065.124
165	1931.895	2003.506	1992.041	2003.506	1931.895	2003.506	1992.041	2003.506	1931.895
170	3856.432	3921.357	3917.157	3921.357	3856.432	3921.357	3917.157	3921.357	3856.432
175	6207.052	6199.586	6223.019	6199.586	6207.052	6199.586	6223.019	6199.586	6207.052
180	6991.408	6991.408	6991.408	6991.408	6991.408	6991.408	6991.408	6991.408	6991.408

COEFFICIENTS OF UTILIZATION



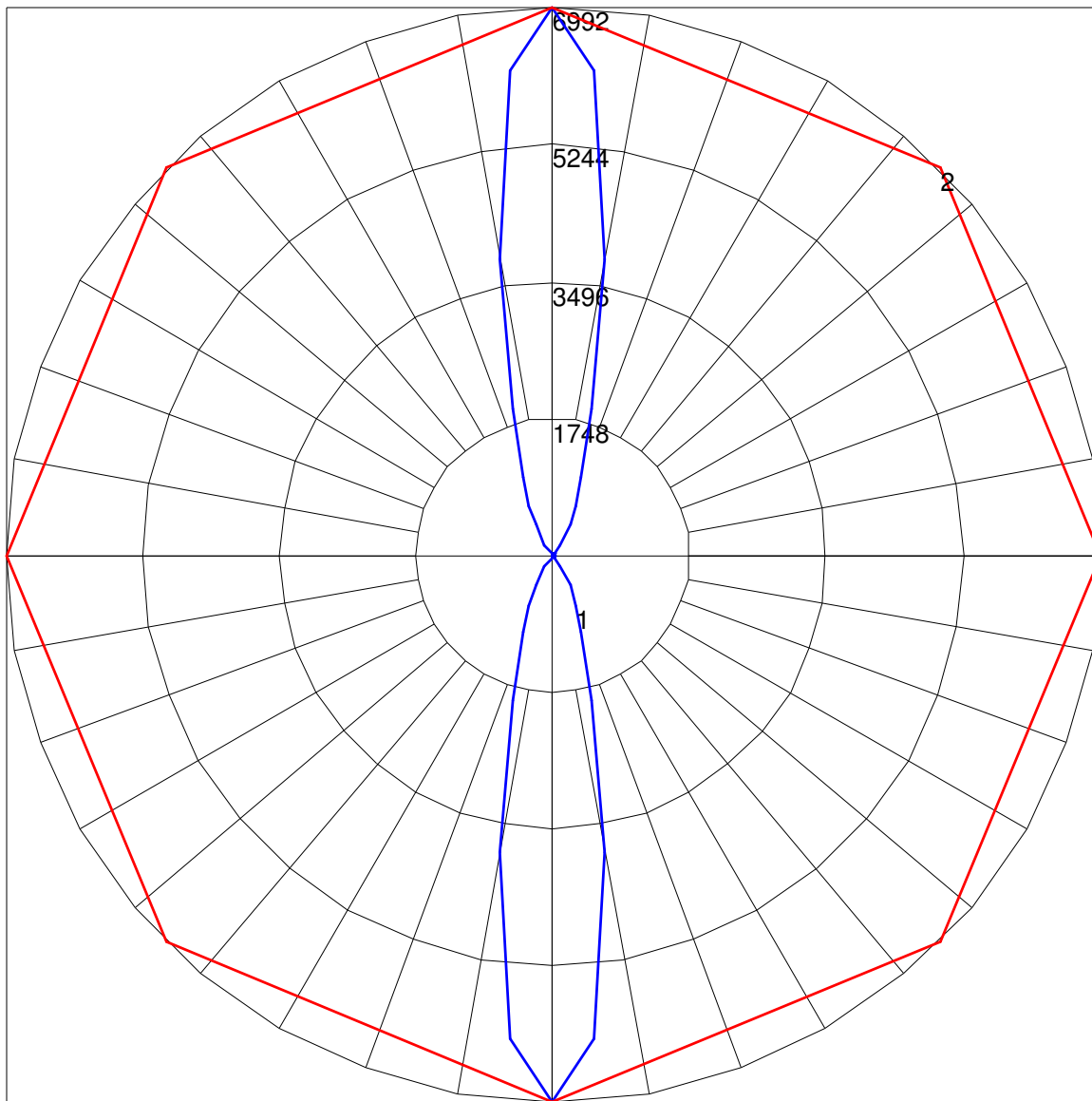
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	804.6	25.0
Downward House Side	804.6	25.0
Downward Total	1609.2	50.0
Upward Street Side	804.6	25.0
Upward House Side	804.6	25.0
Upward Total	1609.2	50.0
Total Flux	3218.4	100.0

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POLAR GRAPH



Maximum Candela = 6991.751 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

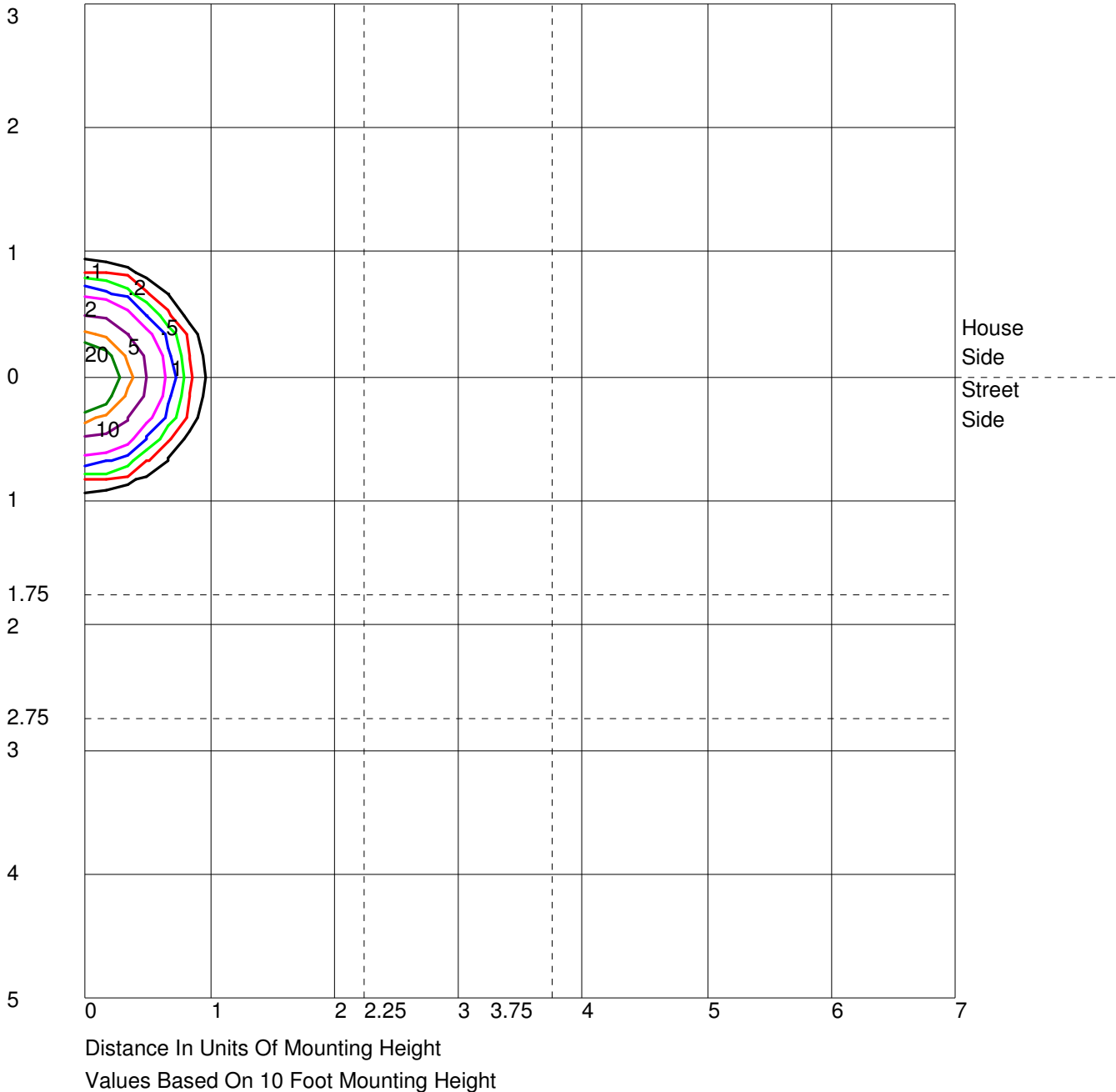


PHOTO LUMENS

