

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-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-L15-927U-L15-927D-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	3184
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	6917.372
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	6917.372
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.142 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.38 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	720.5	N.A.	22.6
FM - Front-Medium (30-60)	73.3	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)	720.5	N.A.	22.6
BM - Back-Medium (30-60)	73.3	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)	1591.8	N.A.	50.0
Total	3184.1	N.A.	100.0
BUG Rating	B2-U5-G0		

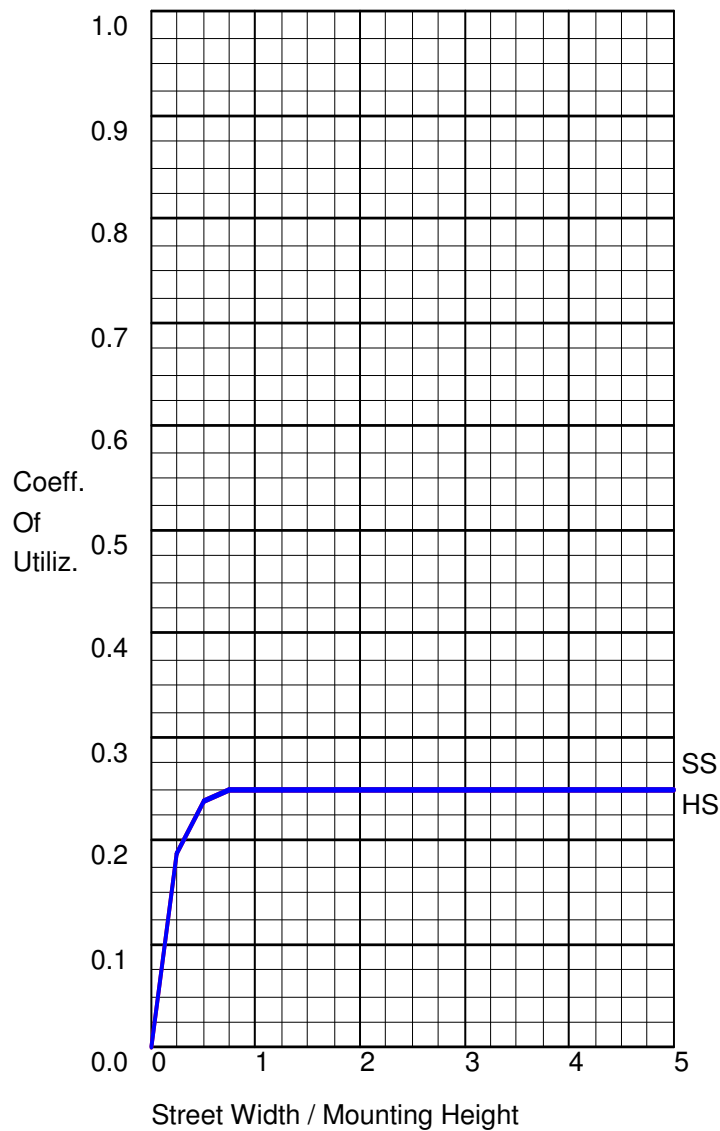
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CANDELA TABULATION

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	6917.372	6917.372	6917.372	6917.372	6917.372	6917.372	6917.372	6917.372	6917.372
5	6141.020	6133.634	6156.818	6133.634	6141.020	6133.634	6156.818	6133.634	6141.020
10	3815.406	3879.641	3875.486	3879.641	3815.406	3879.641	3875.486	3879.641	3815.406
15	1911.343	1982.192	1970.849	1982.192	1911.343	1982.192	1970.849	1982.192	1911.343
20	1053.793	1084.510	1082.674	1084.510	1053.793	1084.510	1082.674	1084.510	1053.793
25	701.205	708.596	700.160	708.596	701.205	708.596	700.160	708.596	701.205
30	437.237	435.486	436.389	435.486	437.237	435.486	436.389	435.486	437.237
35	167.739	171.833	186.154	171.833	167.739	171.833	186.154	171.833	167.739
40	37.763	41.959	46.464	41.959	37.763	41.959	46.464	41.959	37.763
45	12.890	14.549	15.711	14.549	12.890	14.549	15.711	14.549	12.890
50	7.863	8.624	8.736	8.624	7.863	8.624	8.736	8.624	7.863
55	5.667	6.052	5.732	6.052	5.667	6.052	5.732	6.052	5.667
60	4.292	4.424	4.089	4.424	4.292	4.424	4.089	4.424	4.292
65	3.039	3.115	2.826	3.115	3.039	3.115	2.826	3.115	3.039
70	1.968	2.039	1.750	2.039	1.968	2.039	1.750	2.039	1.968
75	1.060	1.081	0.847	1.081	1.060	1.081	0.847	1.081	1.060
80	0.380	0.375	0.360	0.375	0.380	0.375	0.360	0.375	0.380
85	0.274	0.279	0.259	0.279	0.274	0.279	0.259	0.279	0.274
90	0.142	0.132	0.122	0.132	0.142	0.132	0.122	0.132	0.142
95	0.274	0.279	0.259	0.279	0.274	0.279	0.259	0.279	0.274
100	0.380	0.375	0.360	0.375	0.380	0.375	0.360	0.375	0.380
105	1.060	1.081	0.847	1.081	1.060	1.081	0.847	1.081	1.060
110	1.968	2.039	1.750	2.039	1.968	2.039	1.750	2.039	1.968
115	3.039	3.115	2.826	3.115	3.039	3.115	2.826	3.115	3.039
120	4.292	4.424	4.089	4.424	4.292	4.424	4.089	4.424	4.292
125	5.667	6.052	5.732	6.052	5.667	6.052	5.732	6.052	5.667
130	7.863	8.624	8.736	8.624	7.863	8.624	8.736	8.624	7.863
135	12.890	14.549	15.711	14.549	12.890	14.549	15.711	14.549	12.890
140	37.763	41.959	46.464	41.959	37.763	41.959	46.464	41.959	37.763
145	167.739	171.833	186.154	171.833	167.739	171.833	186.154	171.833	167.739
150	437.237	435.486	436.389	435.486	437.237	435.486	436.389	435.486	437.237
155	701.205	708.596	700.160	708.596	701.205	708.596	700.160	708.596	701.205
160	1053.793	1084.510	1082.674	1084.510	1053.793	1084.510	1082.674	1084.510	1053.793
165	1911.343	1982.192	1970.849	1982.192	1911.343	1982.192	1970.849	1982.192	1911.343
170	3815.406	3879.641	3875.486	3879.641	3815.406	3879.641	3875.486	3879.641	3815.406
175	6141.020	6133.634	6156.818	6133.634	6141.020	6133.634	6156.818	6133.634	6141.020
180	6917.032	6917.032	6917.032	6917.032	6917.032	6917.032	6917.032	6917.032	6917.032

COEFFICIENTS OF UTILIZATION



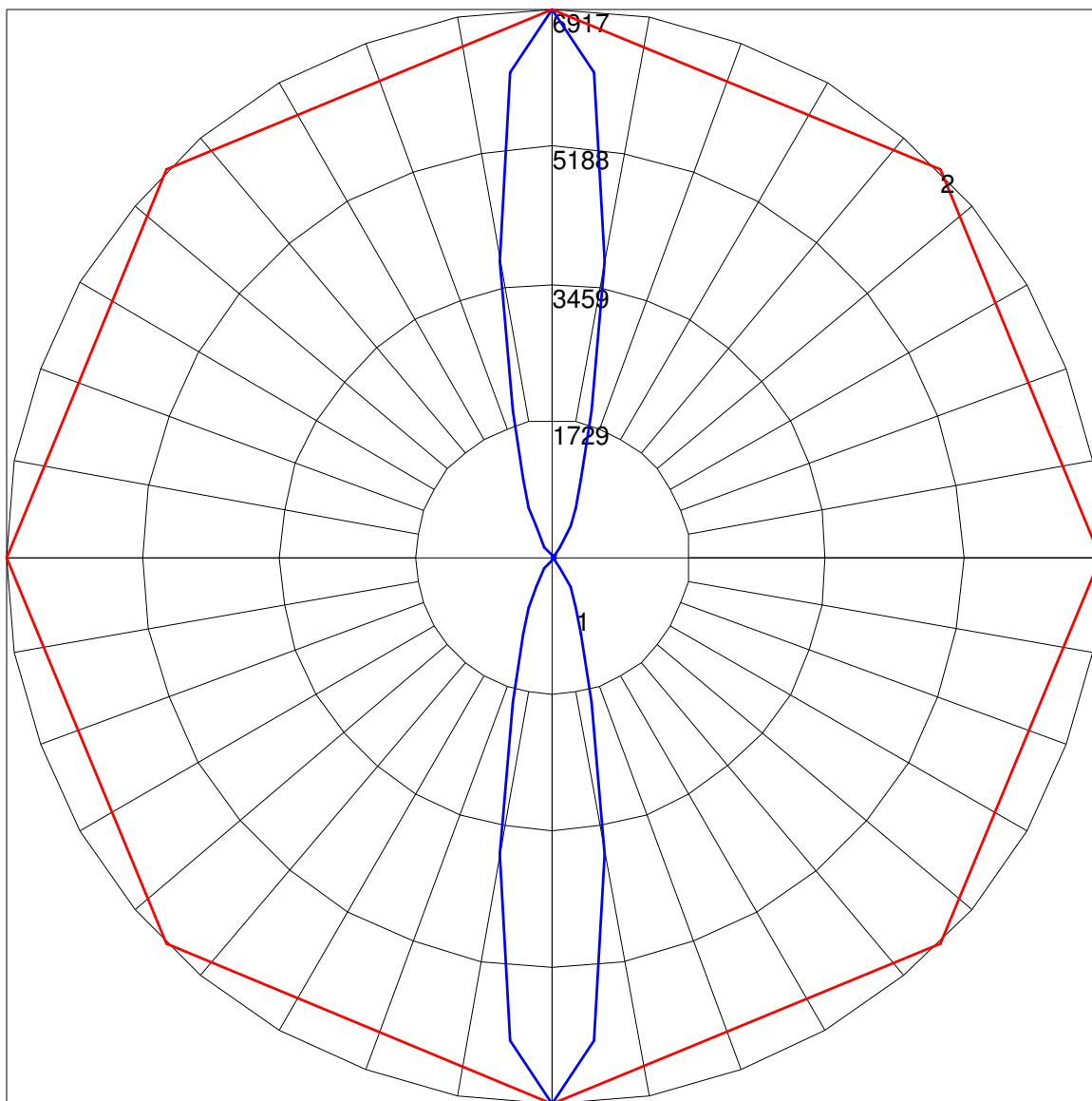
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	796.0	25.0
Downward House Side	796.0	25.0
Downward Total	1592.0	50.0
Upward Street Side	796.0	25.0
Upward House Side	796.0	25.0
Upward Total	1592.0	50.0
Total Flux	3184.0	100.0

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POLAR GRAPH



Maximum Candela = 6917.372 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

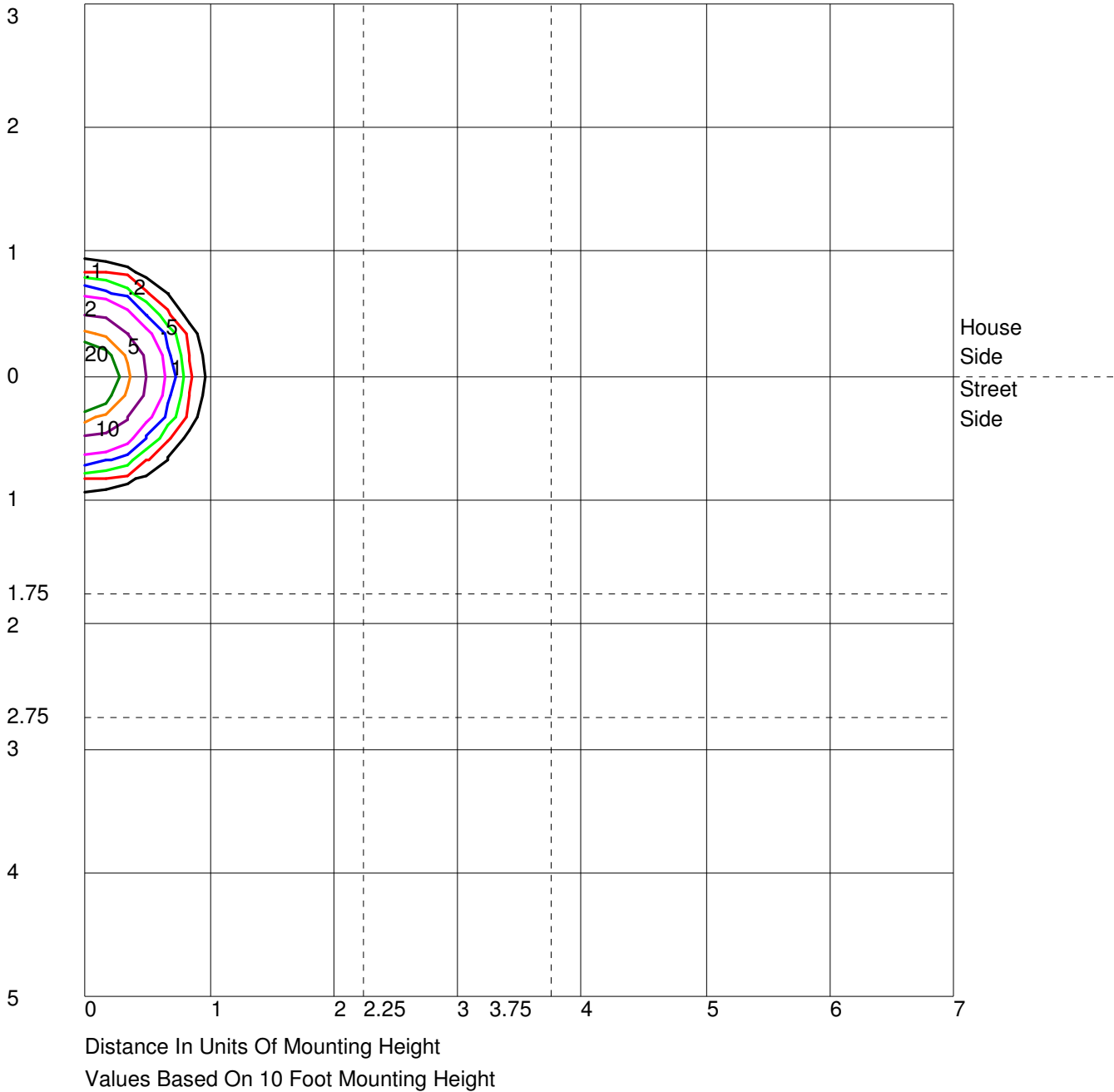


PHOTO LUMENS

