

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-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-L15-850U-L15-850D-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	3390
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	7363.653
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	7363.653
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.151 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.405 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-850U-L15-850D-XXX-DIM-UNV-S-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	767.0	N.A.	22.6
FM - Front-Medium (30-60)	78.0	N.A.	2.3
FH - Front-High (60-80)	2.2	N.A.	0.1
FVH - Front-Very High (80-90)	0.2	N.A.	0.0
BL - Back-Low (0-30)	767.0	N.A.	22.6
BM - Back-Medium (30-60)	78.0	N.A.	2.3
BH - Back-High (60-80)	2.2	N.A.	0.1
BVH - Back-Very High (80-90)	0.2	N.A.	0.0
UL - Uplight-Low (90-100)	0.3	N.A.	0.0
UH - Uplight-High (100-180)	1694.4	N.A.	50.0
Total	3389.5	N.A.	100.0
BUG Rating	B2-U5-G0		

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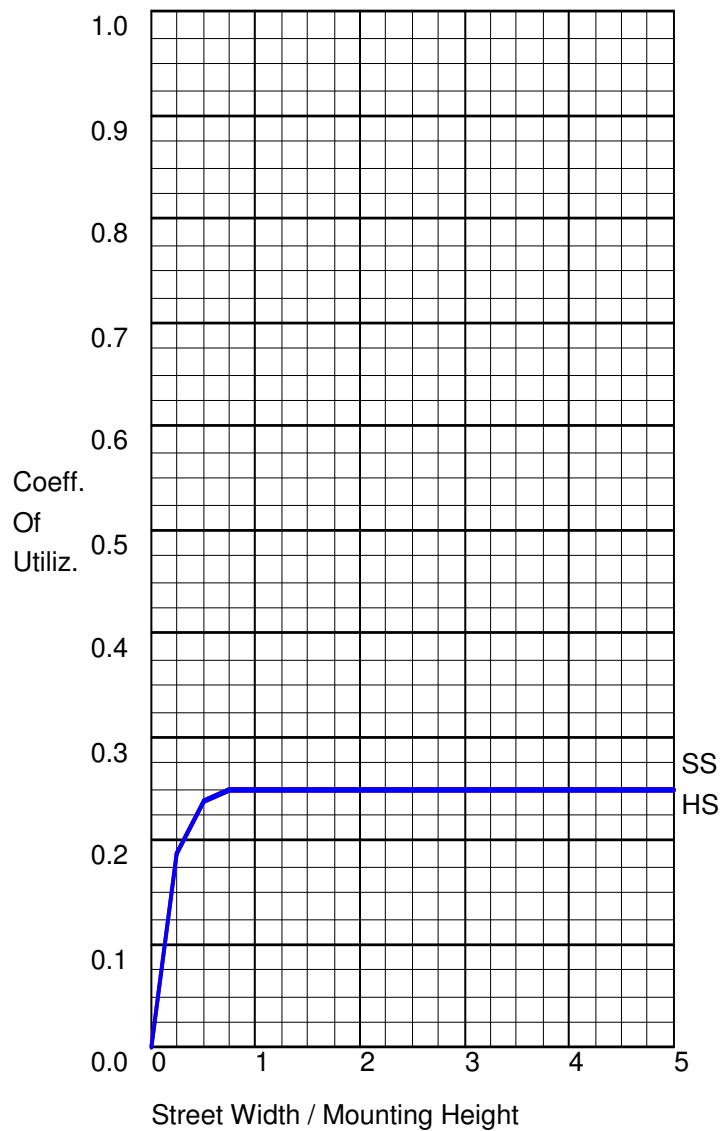
CANDELA TABULATION

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	7363.653	7363.653	7363.653	7363.653	7363.653	7363.653	7363.653	7363.653	7363.653
5	6537.215	6529.352	6554.031	6529.352	6537.215	6529.352	6554.031	6529.352	6537.215
10	4061.561	4129.940	4125.517	4129.940	4061.561	4129.940	4125.517	4129.940	4061.561
15	2034.655	2110.076	2098.001	2110.076	2034.655	2110.076	2098.001	2110.076	2034.655
20	1121.780	1154.479	1152.524	1154.479	1121.780	1154.479	1152.524	1154.479	1121.780
25	746.444	754.312	745.331	754.312	746.444	754.312	745.331	754.312	746.444
30	465.445	463.582	464.543	463.582	465.445	463.582	464.543	463.582	465.445
35	178.560	182.919	198.164	182.919	178.560	182.919	198.164	182.919	178.560
40	40.200	44.666	49.461	44.666	40.200	44.666	49.461	44.666	40.200
45	13.722	15.488	16.725	15.488	13.722	15.488	16.725	15.488	13.722
50	8.370	9.180	9.299	9.180	8.370	9.180	9.299	9.180	8.370
55	6.032	6.443	6.102	6.443	6.032	6.443	6.102	6.443	6.032
60	4.569	4.709	4.353	4.709	4.569	4.709	4.353	4.709	4.569
65	3.235	3.316	3.008	3.316	3.235	3.316	3.008	3.316	3.235
70	2.095	2.171	1.863	2.171	2.095	2.171	1.863	2.171	2.095
75	1.129	1.150	0.902	1.150	1.129	1.150	0.902	1.150	1.129
80	0.405	0.400	0.383	0.400	0.405	0.400	0.383	0.400	0.405
85	0.292	0.297	0.275	0.297	0.292	0.297	0.275	0.297	0.292
90	0.151	0.140	0.130	0.140	0.151	0.140	0.130	0.140	0.151
95	0.292	0.297	0.275	0.297	0.292	0.297	0.275	0.297	0.292
100	0.405	0.400	0.383	0.400	0.405	0.400	0.383	0.400	0.405
105	1.129	1.150	0.902	1.150	1.129	1.150	0.902	1.150	1.129
110	2.095	2.171	1.863	2.171	2.095	2.171	1.863	2.171	2.095
115	3.235	3.316	3.008	3.316	3.235	3.316	3.008	3.316	3.235
120	4.569	4.709	4.353	4.709	4.569	4.709	4.353	4.709	4.569
125	6.032	6.443	6.102	6.443	6.032	6.443	6.102	6.443	6.032
130	8.370	9.180	9.299	9.180	8.370	9.180	9.299	9.180	8.370
135	13.722	15.488	16.725	15.488	13.722	15.488	16.725	15.488	13.722
140	40.200	44.666	49.461	44.666	40.200	44.666	49.461	44.666	40.200
145	178.560	182.919	198.164	182.919	178.560	182.919	198.164	182.919	178.560
150	465.445	463.582	464.543	463.582	465.445	463.582	464.543	463.582	465.445
155	746.444	754.312	745.331	754.312	746.444	754.312	745.331	754.312	746.444
160	1121.780	1154.479	1152.524	1154.479	1121.780	1154.479	1152.524	1154.479	1121.780
165	2034.655	2110.076	2098.001	2110.076	2034.655	2110.076	2098.001	2110.076	2034.655
170	4061.561	4129.940	4125.517	4129.940	4061.561	4129.940	4125.517	4129.940	4061.561
175	6537.215	6529.352	6554.031	6529.352	6537.215	6529.352	6554.031	6529.352	6537.215
180	7363.291	7363.291	7363.291	7363.291	7363.291	7363.291	7363.291	7363.291	7363.291

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COEFFICIENTS OF UTILIZATION



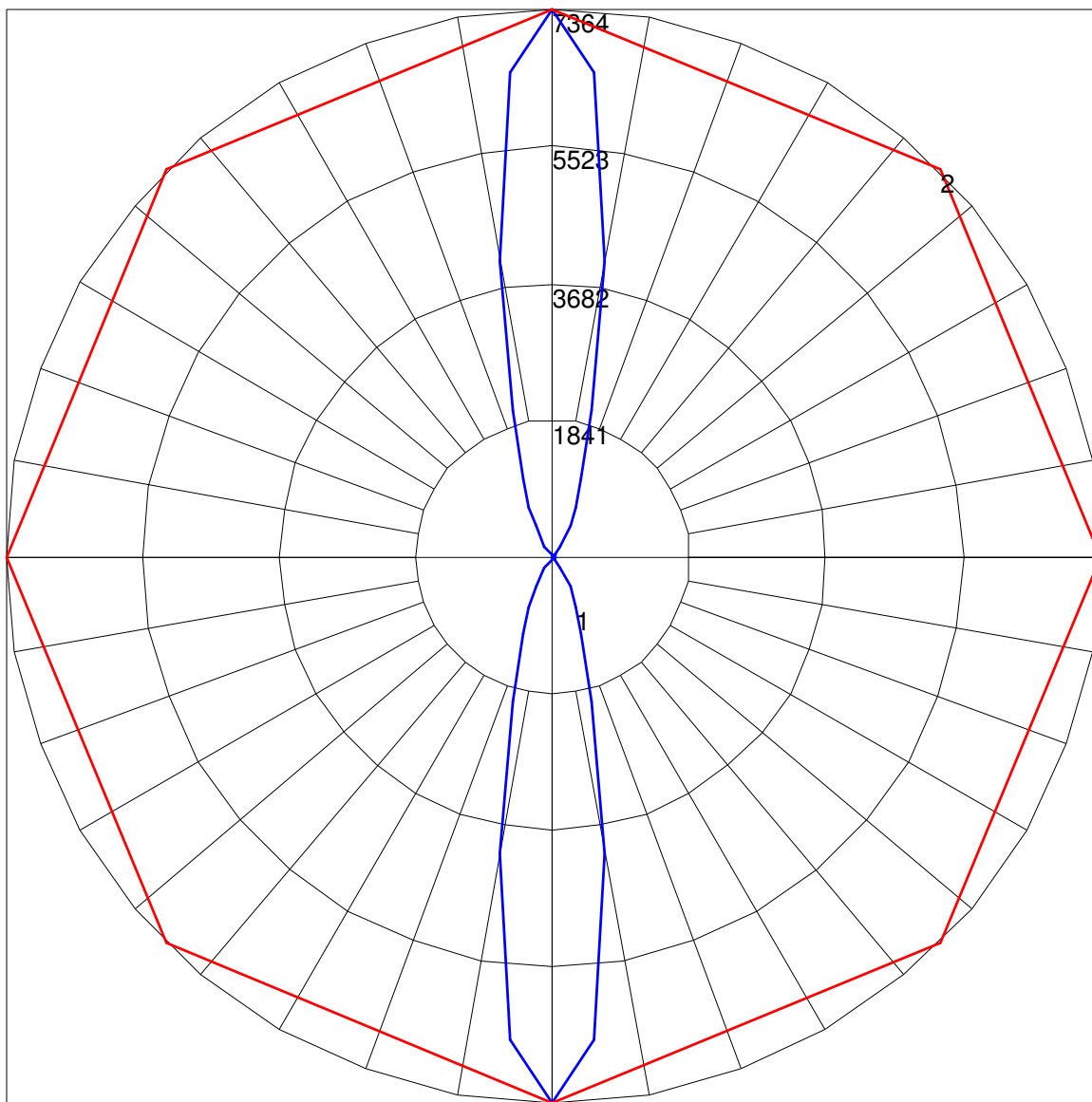
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	847.4	25.0
Downward House Side	847.4	25.0
Downward Total	1694.8	50.0
Upward Street Side	847.4	25.0
Upward House Side	847.4	25.0
Upward Total	1694.8	50.0
Total Flux	3389.6	100.0

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POLAR GRAPH



Maximum Candela = 7363.653 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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