

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-MEDIUM DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUEDATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] W4CRDI-xx-L15-935U-L15-935D-xxx-DIM-UNV-M-xx
[LUMINAIRE] 4 INCH ROUND DIRECT-INDIRECT OUTDOOR LED CYLINDER
[MORE] MEDIUM DISTRIBUTION WITH MICROPRISM LENS
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2953
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2773.203
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2773.203
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.413 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.176 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	609.8	N.A.	20.7
FM - Front-Medium (30-60)	121.3	N.A.	4.1
FH - Front-High (60-80)	6.7	N.A.	0.2
FVH - Front-Very High (80-90)	0.4	N.A.	0.0
BL - Back-Low (0-30)	609.8	N.A.	20.7
BM - Back-Medium (30-60)	121.3	N.A.	4.1
BH - Back-High (60-80)	6.7	N.A.	0.2
BVH - Back-Very High (80-90)	0.4	N.A.	0.0
UL - Uplight-Low (90-100)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1475.6	N.A.	50.0
Total	2952.9	N.A.	100.0
BUG Rating	B2-U5-G0		

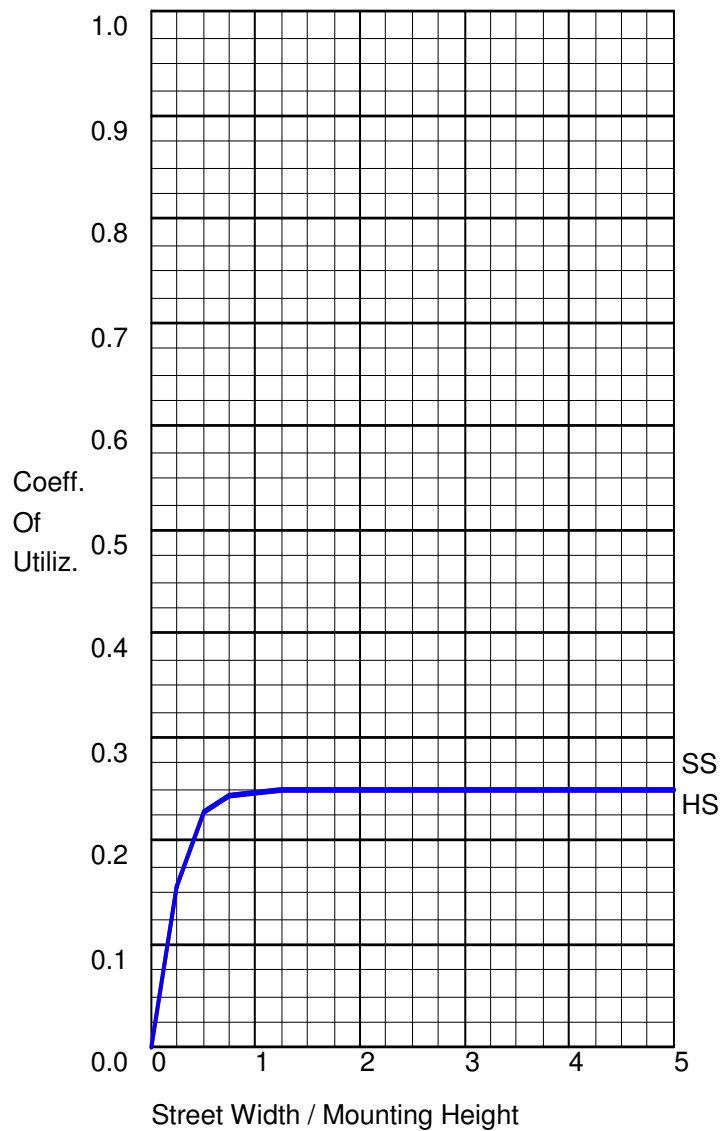
IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-M-XX_.IES

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	2773.203	2773.203	2773.203	2773.203	2773.203	2773.203	2773.203	2773.203	2773.203
5	2680.362	2673.811	2671.189	2673.811	2680.362	2673.811	2671.189	2673.811	2680.362
10	2375.321	2374.628	2369.284	2374.628	2375.321	2374.628	2369.284	2374.628	2375.321
15	1882.549	1884.821	1894.258	1884.821	1882.549	1884.821	1894.258	1884.821	1882.549
20	1373.105	1381.981	1397.567	1381.981	1373.105	1381.981	1397.567	1381.981	1373.105
25	972.411	979.693	990.640	979.693	972.411	979.693	990.640	979.693	972.411
30	619.650	631.089	634.055	631.089	619.650	631.089	634.055	631.089	619.650
35	270.654	275.437	279.610	275.437	270.654	275.437	279.610	275.437	270.654
40	76.234	78.511	82.716	78.511	76.234	78.511	82.716	78.511	76.234
45	32.050	33.904	36.621	33.904	32.050	33.904	36.621	33.904	32.050
50	24.271	25.076	26.093	25.076	24.271	25.076	26.093	25.076	24.271
55	19.367	19.738	20.098	19.738	19.367	19.738	20.098	19.738	19.367
60	13.674	13.812	14.039	13.812	13.674	13.812	14.039	13.812	13.674
65	9.130	9.141	9.284	9.141	9.130	9.141	9.284	9.141	9.130
70	6.212	6.159	6.223	6.159	6.212	6.159	6.223	6.159	6.212
75	3.696	3.601	3.633	3.601	3.696	3.601	3.633	3.601	3.696
80	1.176	1.160	1.144	1.160	1.176	1.160	1.144	1.160	1.176
85	0.853	0.853	0.842	0.853	0.853	0.853	0.842	0.853	0.853
90	0.413	0.402	0.350	0.402	0.413	0.402	0.350	0.402	0.413
95	0.853	0.853	0.842	0.853	0.853	0.853	0.842	0.853	0.853
100	1.176	1.160	1.144	1.160	1.176	1.160	1.144	1.160	1.176
105	3.696	3.601	3.633	3.601	3.696	3.601	3.633	3.601	3.696
110	6.212	6.159	6.223	6.159	6.212	6.159	6.223	6.159	6.212
115	9.130	9.141	9.284	9.141	9.130	9.141	9.284	9.141	9.130
120	13.674	13.812	14.039	13.812	13.674	13.812	14.039	13.812	13.674
125	19.367	19.738	20.098	19.738	19.367	19.738	20.098	19.738	19.367
130	24.271	25.076	26.093	25.076	24.271	25.076	26.093	25.076	24.271
135	32.050	33.904	36.621	33.904	32.050	33.904	36.621	33.904	32.050
140	76.234	78.511	82.716	78.511	76.234	78.511	82.716	78.511	76.234
145	270.654	275.437	279.610	275.437	270.654	275.437	279.610	275.437	270.654
150	619.650	631.089	634.055	631.089	619.650	631.089	634.055	631.089	619.650
155	972.411	979.693	990.640	979.693	972.411	979.693	990.640	979.693	972.411
160	1373.105	1381.981	1397.567	1381.981	1373.105	1381.981	1397.567	1381.981	1373.105
165	1882.549	1884.821	1894.258	1884.821	1882.549	1884.821	1894.258	1884.821	1882.549
170	2375.321	2374.628	2369.284	2374.628	2375.321	2374.628	2369.284	2374.628	2375.321
175	2680.362	2673.811	2671.189	2673.811	2680.362	2673.811	2671.189	2673.811	2680.362
180	2772.901	2772.901	2772.901	2772.901	2772.901	2772.901	2772.901	2772.901	2772.901

COEFFICIENTS OF UTILIZATION



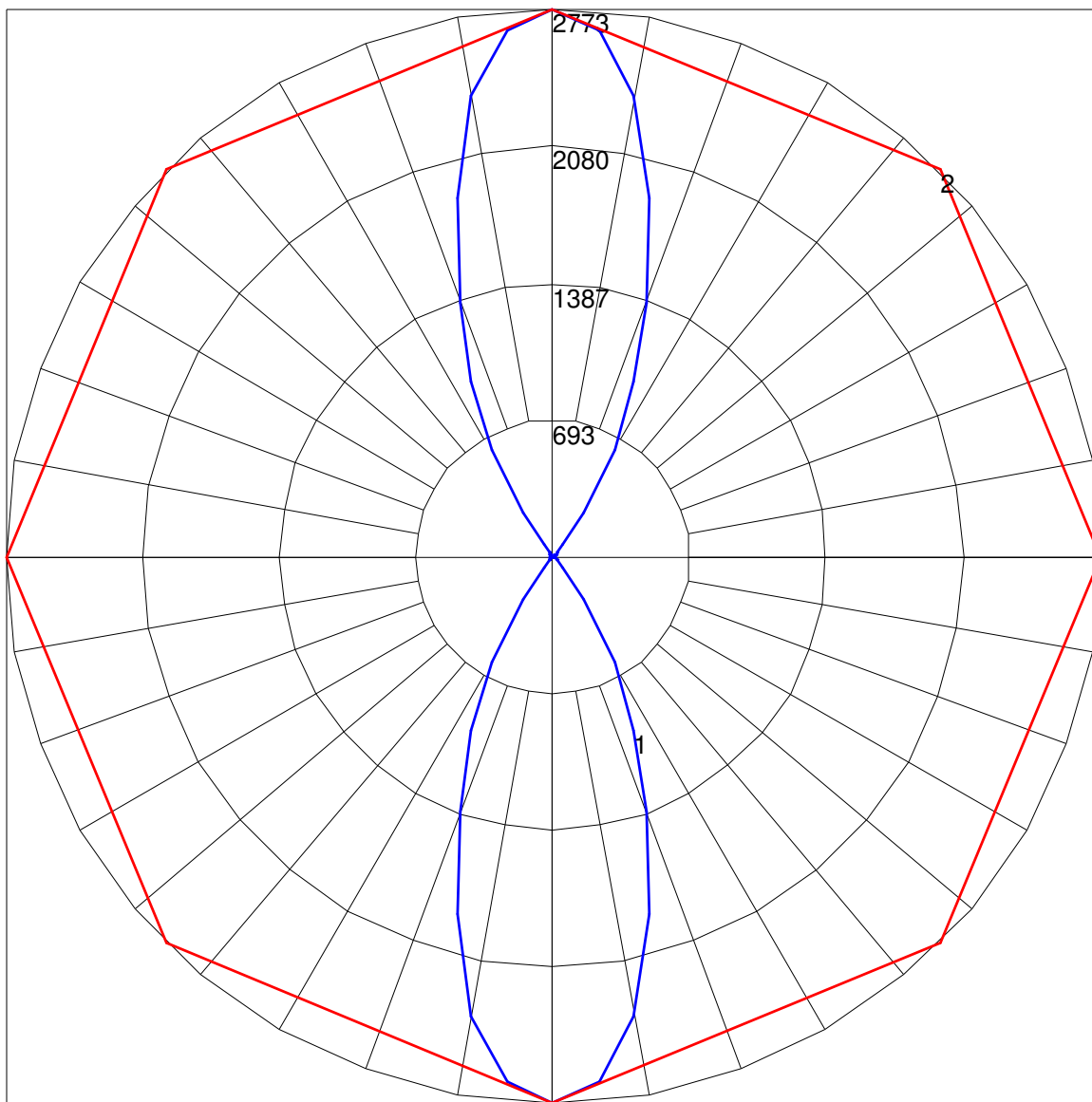
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	738.3	25.0
Downward House Side	738.3	25.0
Downward Total	1476.6	50.0
Upward Street Side	738.3	25.0
Upward House Side	738.3	25.0
Upward Total	1476.6	50.0
Total Flux	2953.2	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-M-XX_.IES

POLAR GRAPH



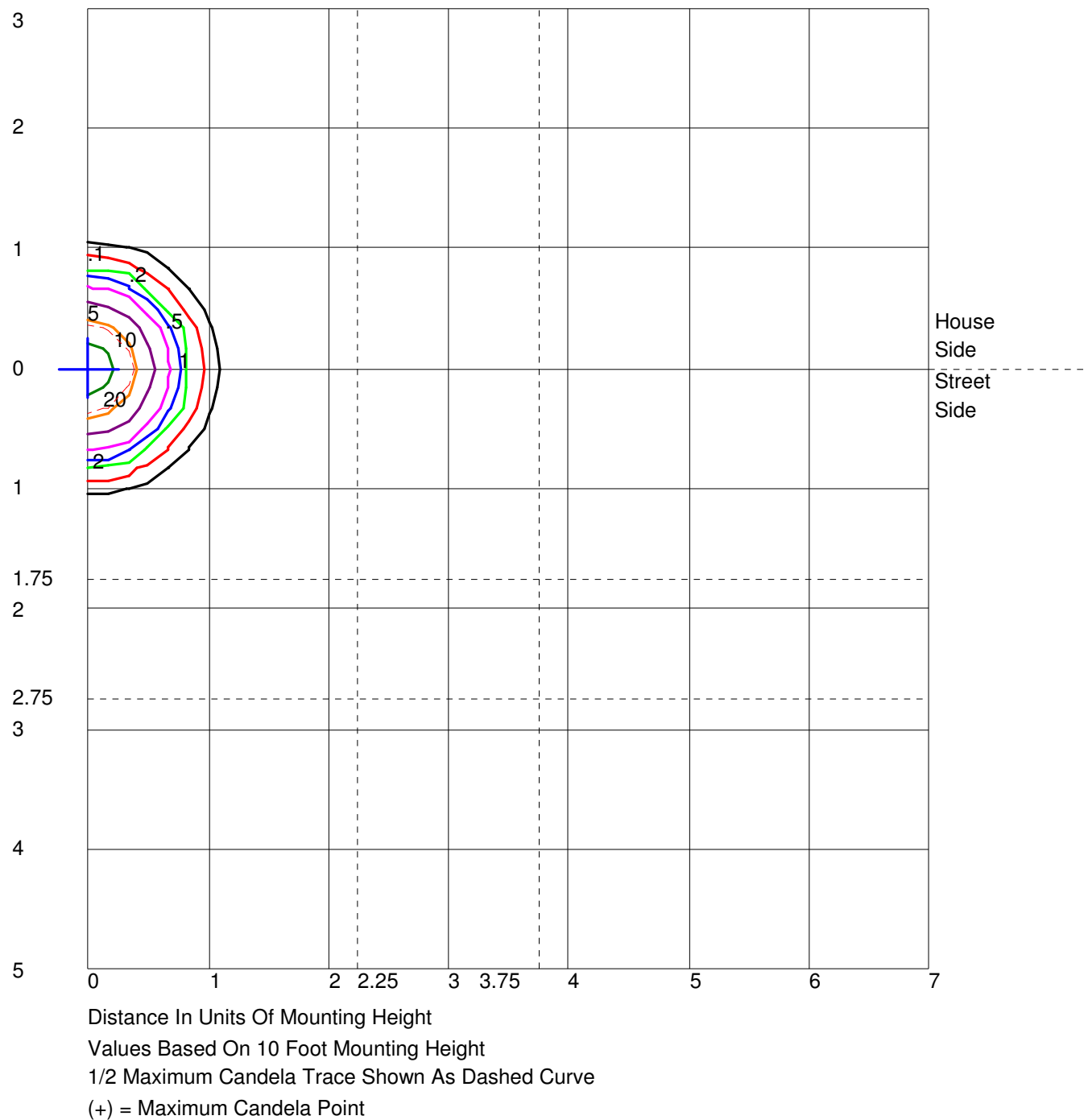
Maximum Candela = 2773.203 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

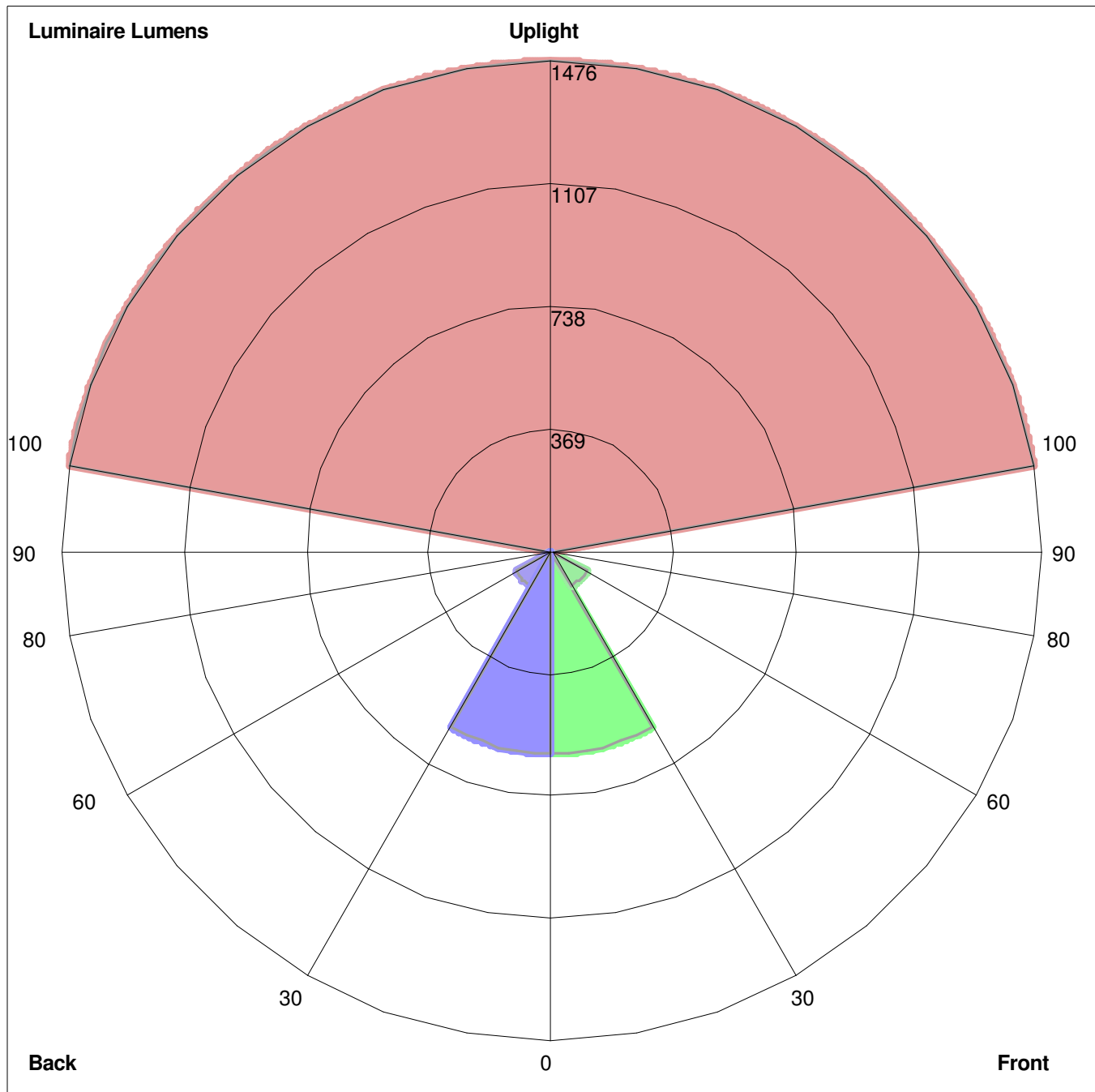
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-935U-L15-935D-XXX-DIM-UNV-M-XX_.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=609.8, Medium=121.3, High=6.7, Very High=0.4
Back: Low=609.8, Medium=121.3, High=6.7, Very High=0.4
Uplight: Low=0.9, High=1475.6

BUG Rating : B2-U5-G0