

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-W-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V22)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-08-06  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CRDI-xx-L50-935U-L50-935D-xxx-DIM-UNV-W-xx  
[LUMINAIRE] 6 INCH ROUND DIRECT-INDIRECT WET LOCATION  
[MORE] LED CYLINDER WITH WIDE DIST.  
[LAMPCAT] BL VERO 22  
[LAMP] LED  
[OTHER] Absolute Photometry

### CHARACTERISTICS

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9932
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	90
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3992.636
Maximum Candela Angle	270H 175V
Maximum Candela (<90 Degrees Vertical)	3992.636
Maximum Candela Angle (<90 Degrees Vertical)	270H 5V
Maximum Candela At 90 Degrees Vertical	2.735 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	26.956 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1294.4	N.A.	13.0
FM - Front-Medium (30-60)	1014.8	N.A.	10.2
FH - Front-High (60-80)	167.6	N.A.	1.7
FVH - Front-Very High (80-90)	6.2	N.A.	0.1
BL - Back-Low (0-30)	1294.4	N.A.	13.0
BM - Back-Medium (30-60)	1014.8	N.A.	10.2
BH - Back-High (60-80)	167.6	N.A.	1.7
BVH - Back-Very High (80-90)	6.2	N.A.	0.1
UL - Uplight-Low (90-100)	12.4	N.A.	0.1
UH - Uplight-High (100-180)	4953.6	N.A.	49.9
Total	9932.0	N.A.	100.0
BUG Rating	B3-U5-G1		

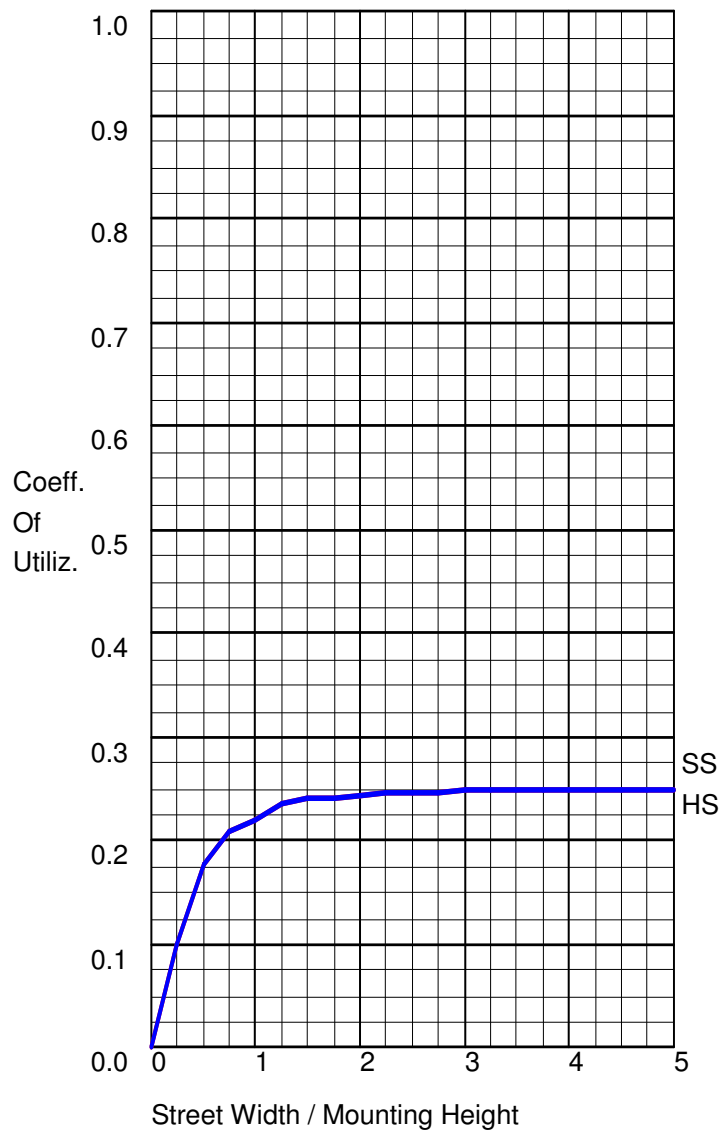
# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-W-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	3957.936	3957.936	3957.936	3957.936	3957.936	3957.936	3957.936	3957.936	3957.936
5	3880.941	3960.573	3992.636	3960.573	3880.941	3960.573	3992.636	3960.573	3880.941
10	3662.558	3761.715	3787.831	3761.715	3662.558	3761.715	3787.831	3761.715	3662.558
15	3362.831	3398.569	3390.297	3398.569	3362.831	3398.569	3390.297	3398.569	3362.831
20	3044.929	3055.260	3036.658	3055.260	3044.929	3055.260	3036.658	3055.260	3044.929
25	2800.398	2788.815	2768.631	2788.815	2800.398	2788.815	2768.631	2788.815	2800.398
30	2424.861	2377.144	2338.935	2377.144	2424.861	2377.144	2338.935	2377.144	2424.861
35	1522.728	1532.647	1561.926	1532.647	1522.728	1532.647	1561.926	1532.647	1522.728
40	905.741	932.384	956.539	932.384	905.741	932.384	956.539	932.384	905.741
45	752.887	753.809	750.432	753.809	752.887	753.809	750.432	753.809	752.887
50	634.452	633.777	629.311	633.777	634.452	633.777	629.311	633.777	634.452
55	506.296	505.225	500.777	505.225	506.296	505.225	500.777	505.225	506.296
60	369.935	368.469	364.712	368.469	369.935	368.469	364.712	368.469	369.935
65	248.452	247.793	245.816	247.793	248.452	247.793	245.816	247.793	248.452
70	148.917	148.686	148.159	148.686	148.917	148.686	148.159	148.686	148.917
75	74.409	74.458	74.508	74.458	74.409	74.458	74.508	74.458	74.409
80	26.478	26.808	26.956	26.808	26.478	26.808	26.956	26.808	26.478
85	8.156	8.172	8.090	8.172	8.156	8.172	8.090	8.172	8.156
90	1.977	2.537	2.735	2.537	1.977	2.537	2.735	2.537	1.977
95	8.156	8.172	8.090	8.172	8.156	8.172	8.090	8.172	8.156
100	26.478	26.808	26.956	26.808	26.478	26.808	26.956	26.808	26.478
105	74.409	74.458	74.508	74.458	74.409	74.458	74.508	74.458	74.409
110	148.917	148.686	148.159	148.686	148.917	148.686	148.159	148.686	148.917
115	248.452	247.793	245.816	247.793	248.452	247.793	245.816	247.793	248.452
120	369.935	368.469	364.712	368.469	369.935	368.469	364.712	368.469	369.935
125	506.296	505.225	500.777	505.225	506.296	505.225	500.777	505.225	506.296
130	634.452	633.777	629.311	633.777	634.452	633.777	629.311	633.777	634.452
135	752.887	753.809	750.432	753.809	752.887	753.809	750.432	753.809	752.887
140	905.741	932.384	956.539	932.384	905.741	932.384	956.539	932.384	905.741
145	1522.728	1532.647	1561.926	1532.647	1522.728	1532.647	1561.926	1532.647	1522.728
150	2424.861	2377.144	2338.935	2377.144	2424.861	2377.144	2338.935	2377.144	2424.861
155	2800.398	2788.815	2768.631	2788.815	2800.398	2788.815	2768.631	2788.815	2800.398
160	3044.929	3055.260	3036.658	3055.260	3044.929	3055.260	3036.658	3055.260	3044.929
165	3362.831	3398.569	3390.297	3398.569	3362.831	3398.569	3390.297	3398.569	3362.831
170	3662.558	3761.715	3787.831	3761.715	3662.558	3761.715	3787.831	3761.715	3662.558
175	3880.941	3960.573	3992.636	3960.573	3880.941	3960.573	3992.636	3960.573	3880.941
180	3957.706	3957.706	3957.706	3957.706	3957.706	3957.706	3957.706	3957.706	3957.706

COEFFICIENTS OF UTILIZATION



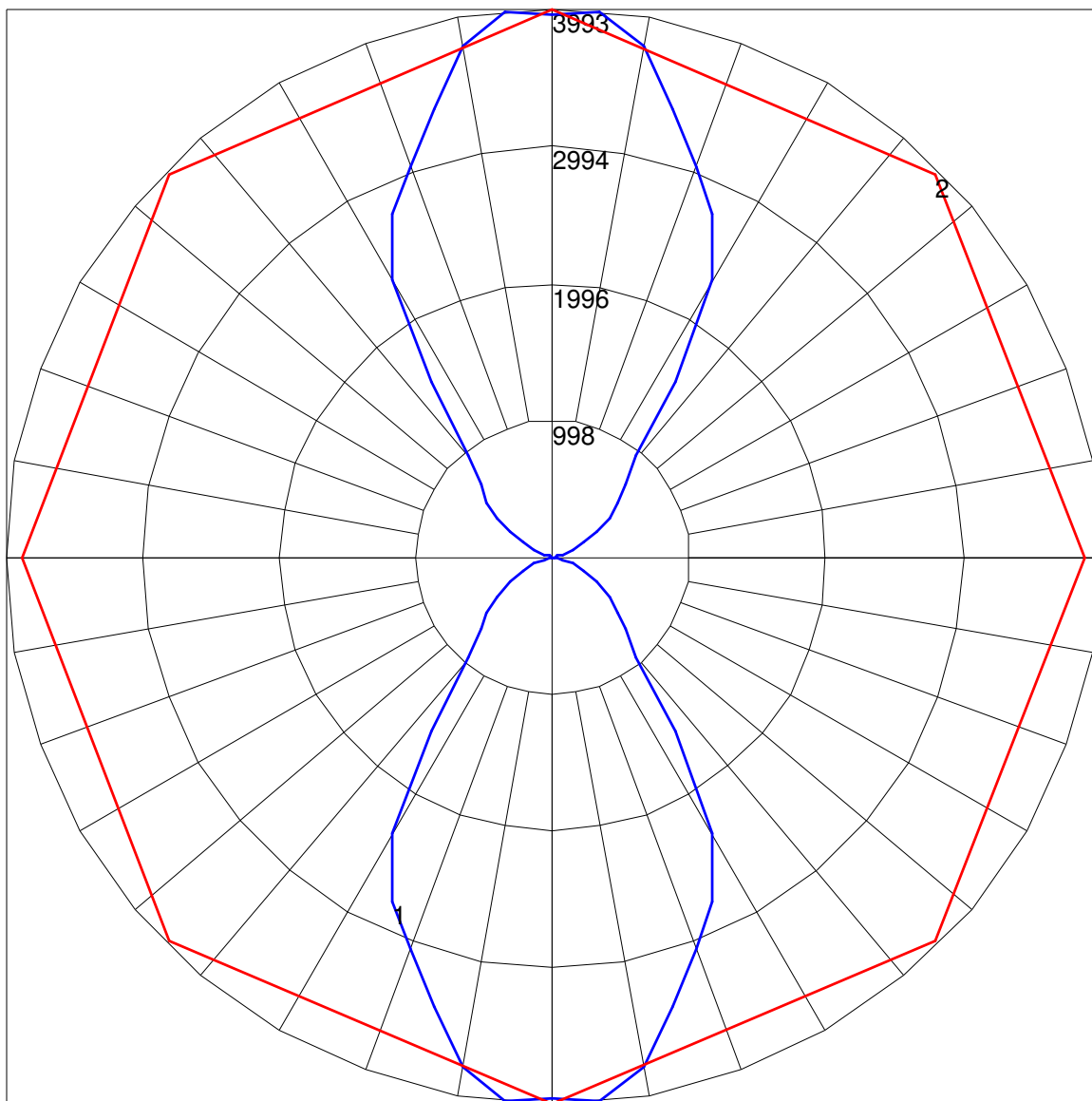
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2483.0	25.0
Downward House Side	2483.0	25.0
Downward Total	4966.0	50.0
Upward Street Side	2483.0	25.0
Upward House Side	2483.0	25.0
Upward Total	4966.0	50.0
Total Flux	9932.0	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-W-XX\_.IES

## POLAR GRAPH



Maximum Candela = 3992.636 Located At Horizontal Angle = 270, Vertical Angle = 175

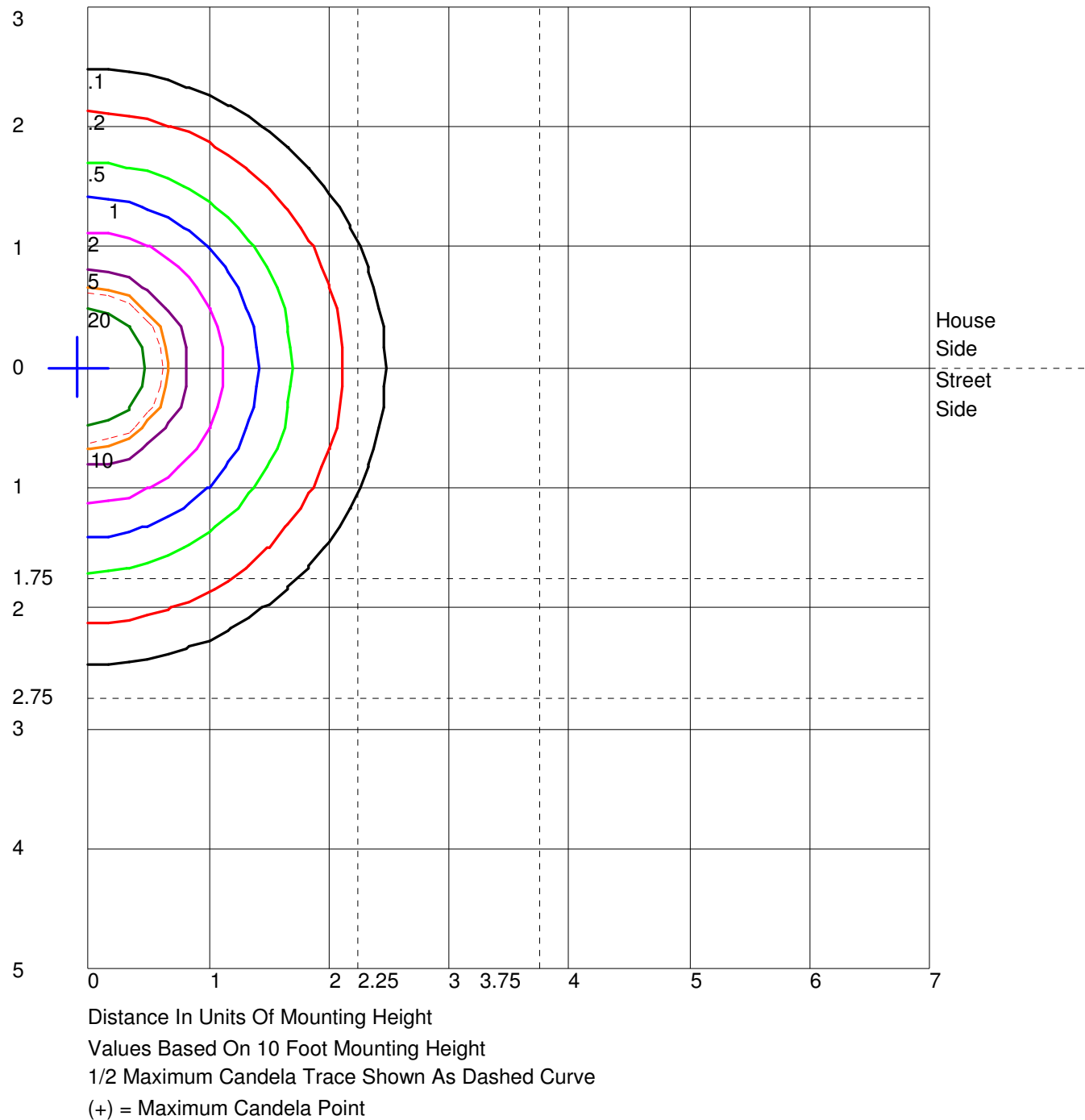
# 1 - Vertical Plane Through Horizontal Angles (270 - 90) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)

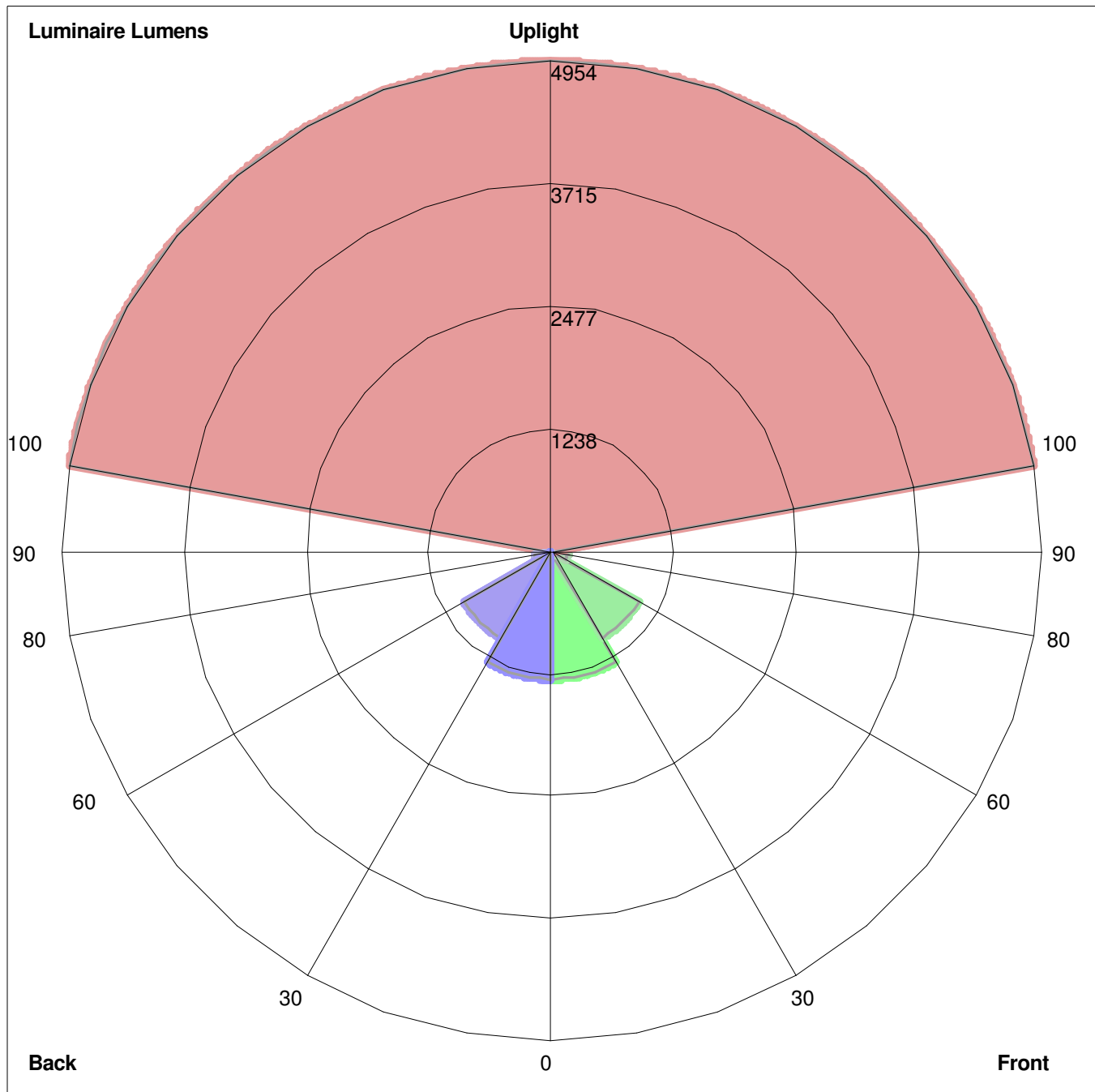
# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-W-XX\_.IES

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=1294.4, Medium=1014.8, High=167.6, Very High=6.2  
Back: Low=1294.4, Medium=1014.8, High=167.6, Very High=6.2  
Uplight: Low=12.4, High=4953.6

BUG Rating : B3-U5-G1