

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-927U-L40-927D-XXX-DIM-UNV-W-XX\_.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM W6CR\_Angela-XW\_(V18)\_measured  
[TESTLAB] LEDIL Inc  
[TESTDATE] 21 Aug 2024  
[ISSUEDATE] 2025-08-06  
[MANUFAC] H.E. WILLIAMS, INC.  
[LUMCAT] W6CRDI-xx-L40-927U-L40-927D-xxx-DIM-UNV-W-xx  
[LUMINAIRE] 6 INCH ROUND DIRECT INDIRECT WET LOCATION LED  
[MORE] CYLINDER WITH WIDE DIST  
[LAMPCAT] BL VERO 18  
[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	7523
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3133.951
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3133.951
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.083 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	19.427 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L40-927U-L40-927D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	998.6	N.A.	13.3
FM - Front-Medium (30-60)	754.8	N.A.	10.0
FH - Front-High (60-80)	122.8	N.A.	1.6
FVH - Front-Very High (80-90)	4.6	N.A.	0.1
BL - Back-Low (0-30)	998.6	N.A.	13.3
BM - Back-Medium (30-60)	754.8	N.A.	10.0
BH - Back-High (60-80)	122.8	N.A.	1.6
BVH - Back-Very High (80-90)	4.6	N.A.	0.1
UL - Uplight-Low (90-100)	9.1	N.A.	0.1
UH - Uplight-High (100-180)	3752.4	N.A.	49.9
Total	7523.1	N.A.	100.0
BUG Rating	B2-U5-G0		

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-927U-L40-927D-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	3133.951	3133.951	3133.951	3133.951	3133.951	3133.951	3133.951	3133.951	3133.951
5	3101.660	3099.953	3094.443	3099.953	3101.660	3099.953	3094.443	3099.953	3101.660
10	2908.290	2903.960	2901.174	2903.960	2908.290	2903.960	2901.174	2903.960	2908.290
15	2604.104	2611.396	2608.785	2611.396	2604.104	2611.396	2608.785	2611.396	2604.104
20	2336.438	2341.320	2342.111	2341.320	2336.438	2341.320	2342.111	2341.320	2336.438
25	2148.553	2142.918	2144.035	2142.918	2148.553	2142.918	2144.035	2142.918	2148.553
30	1843.137	1819.769	1824.588	1819.769	1843.137	1819.769	1824.588	1819.769	1843.137
35	1107.659	1108.337	1118.515	1108.337	1107.659	1108.337	1118.515	1108.337	1107.659
40	674.109	681.952	686.533	681.952	674.109	681.952	686.533	681.952	674.109
45	570.345	570.898	569.291	570.898	570.345	570.898	569.291	570.898	570.345
50	475.794	475.945	474.865	475.945	475.794	475.945	474.865	475.945	475.794
55	376.875	376.398	374.629	376.398	376.875	376.398	374.629	376.398	376.875
60	273.288	272.598	270.954	272.598	273.288	272.598	270.954	272.598	273.288
65	182.288	181.786	181.083	181.786	182.288	181.786	181.083	181.786	182.288
70	108.105	108.105	108.093	108.105	108.105	108.105	108.093	108.105	108.105
75	53.500	53.613	53.651	53.613	53.500	53.613	53.651	53.613	53.500
80	19.176	19.365	19.427	19.365	19.176	19.365	19.427	19.365	19.176
85	6.187	6.200	6.149	6.200	6.187	6.200	6.149	6.200	6.187
90	1.631	1.832	2.083	1.832	1.631	1.832	2.083	1.832	1.631
95	6.187	6.200	6.149	6.200	6.187	6.200	6.149	6.200	6.187
100	19.176	19.365	19.427	19.365	19.176	19.365	19.427	19.365	19.176
105	53.500	53.613	53.651	53.613	53.500	53.613	53.651	53.613	53.500
110	108.105	108.105	108.093	108.105	108.105	108.105	108.093	108.105	108.105
115	182.288	181.786	181.083	181.786	182.288	181.786	181.083	181.786	182.288
120	273.288	272.598	270.954	272.598	273.288	272.598	270.954	272.598	273.288
125	376.875	376.398	374.629	376.398	376.875	376.398	374.629	376.398	376.875
130	475.794	475.945	474.865	475.945	475.794	475.945	474.865	475.945	475.794
135	570.345	570.898	569.291	570.898	570.345	570.898	569.291	570.898	570.345
140	674.109	681.952	686.533	681.952	674.109	681.952	686.533	681.952	674.109
145	1107.659	1108.337	1118.515	1108.337	1107.659	1108.337	1118.515	1108.337	1107.659
150	1843.137	1819.769	1824.588	1819.769	1843.137	1819.769	1824.588	1819.769	1843.137
155	2148.553	2142.918	2144.035	2142.918	2148.553	2142.918	2144.035	2142.918	2148.553
160	2336.438	2341.320	2342.111	2341.320	2336.438	2341.320	2342.111	2341.320	2336.438
165	2604.104	2611.396	2608.785	2611.396	2604.104	2611.396	2608.785	2611.396	2604.104
170	2908.290	2903.960	2901.174	2903.960	2908.290	2903.960	2901.174	2903.960	2908.290
175	3101.660	3099.953	3094.443	3099.953	3101.660	3099.953	3094.443	3099.953	3101.660
180	3133.725	3133.725	3133.725	3133.725	3133.725	3133.725	3133.725	3133.725	3133.725

COEFFICIENTS OF UTILIZATION



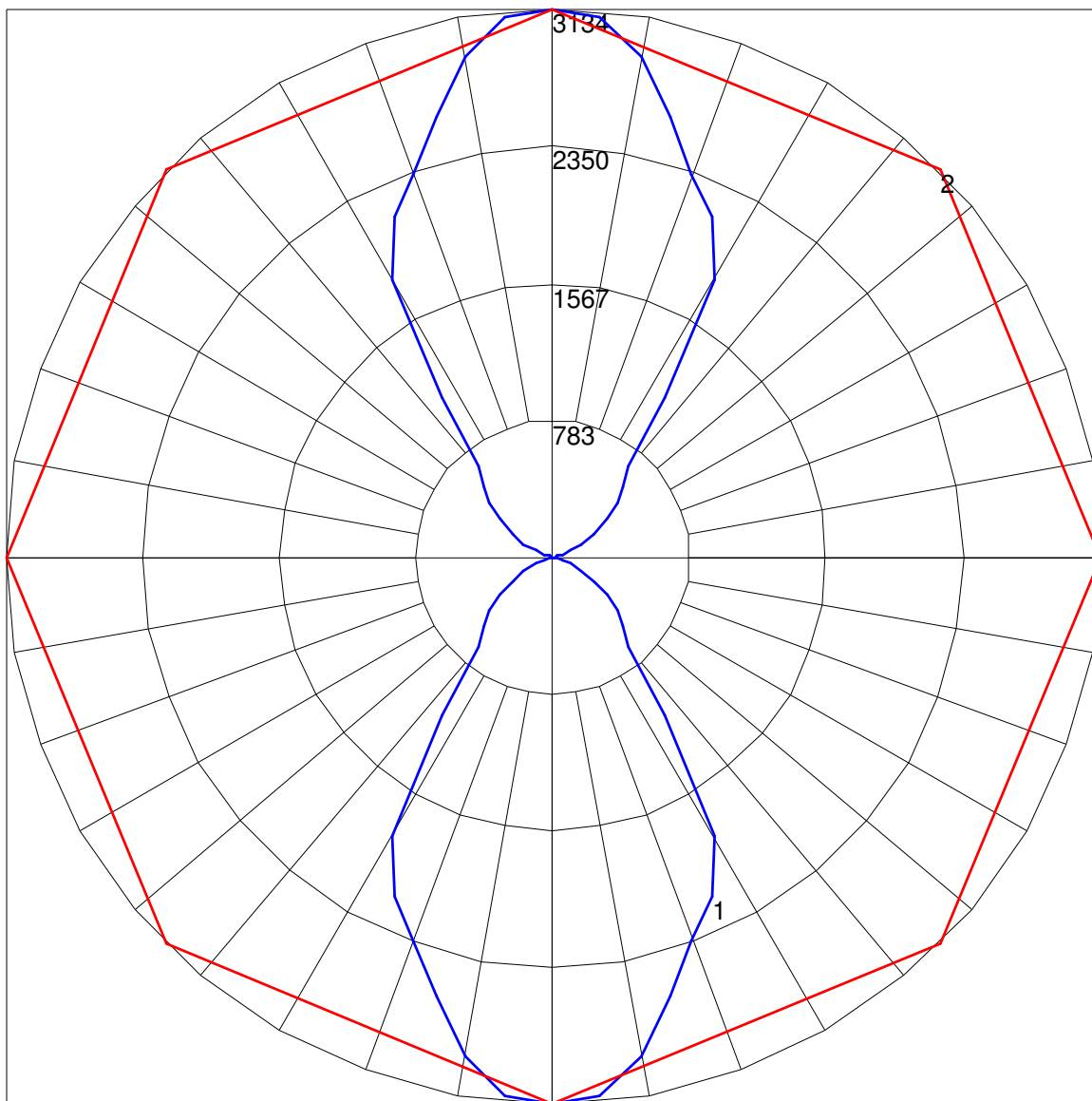
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1880.8	25.0
Downward House Side	1880.8	25.0
Downward Total	3761.6	50.0
Upward Street Side	1880.8	25.0
Upward House Side	1880.8	25.0
Upward Total	3761.6	50.0
Total Flux	7523.2	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-927U-L40-927D-XXX-DIM-UNV-W-XX\_.IES

## POLAR GRAPH



Maximum Candela = 3133.951 Located At Horizontal Angle = 360, Vertical Angle = 0

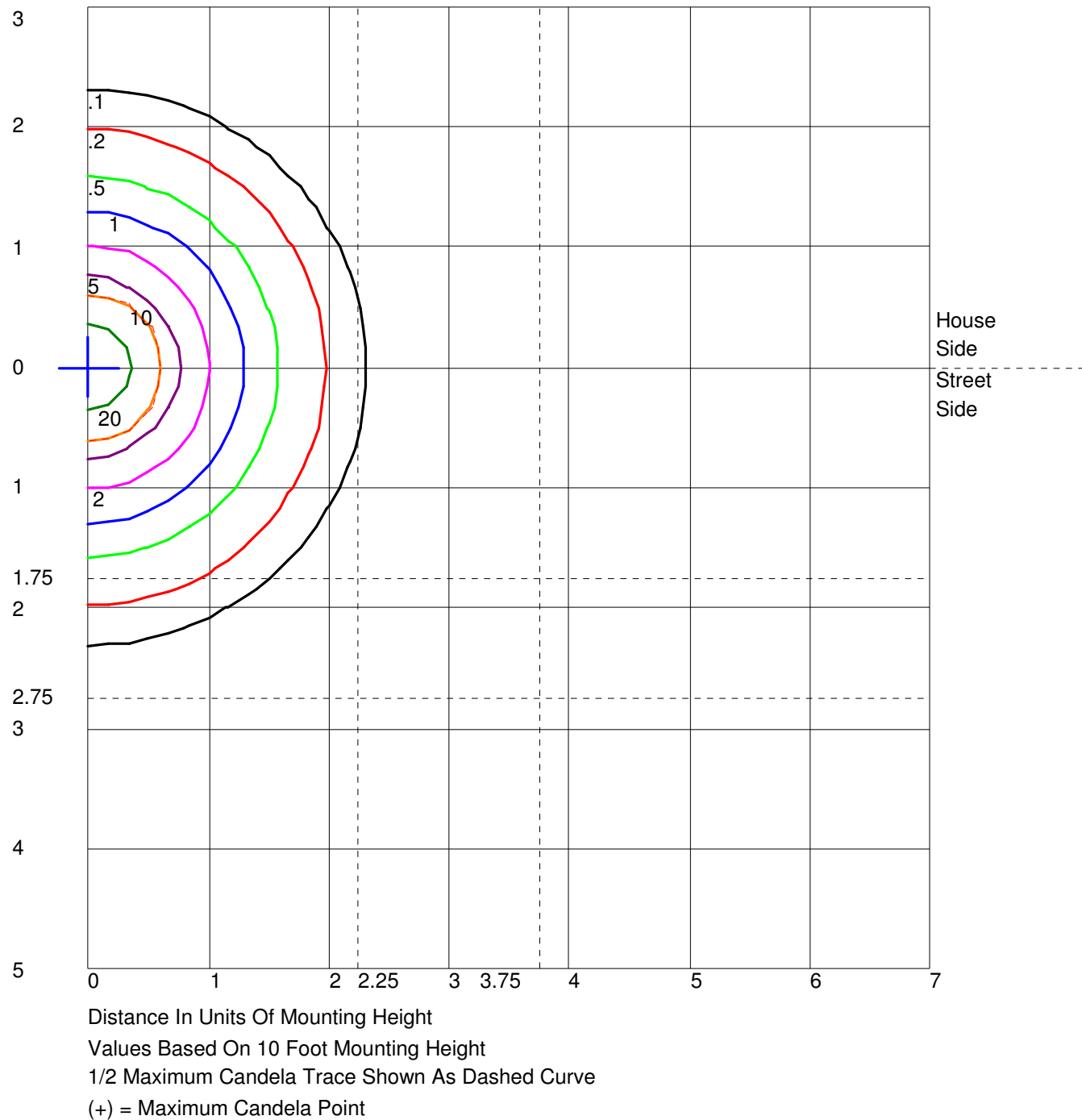
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

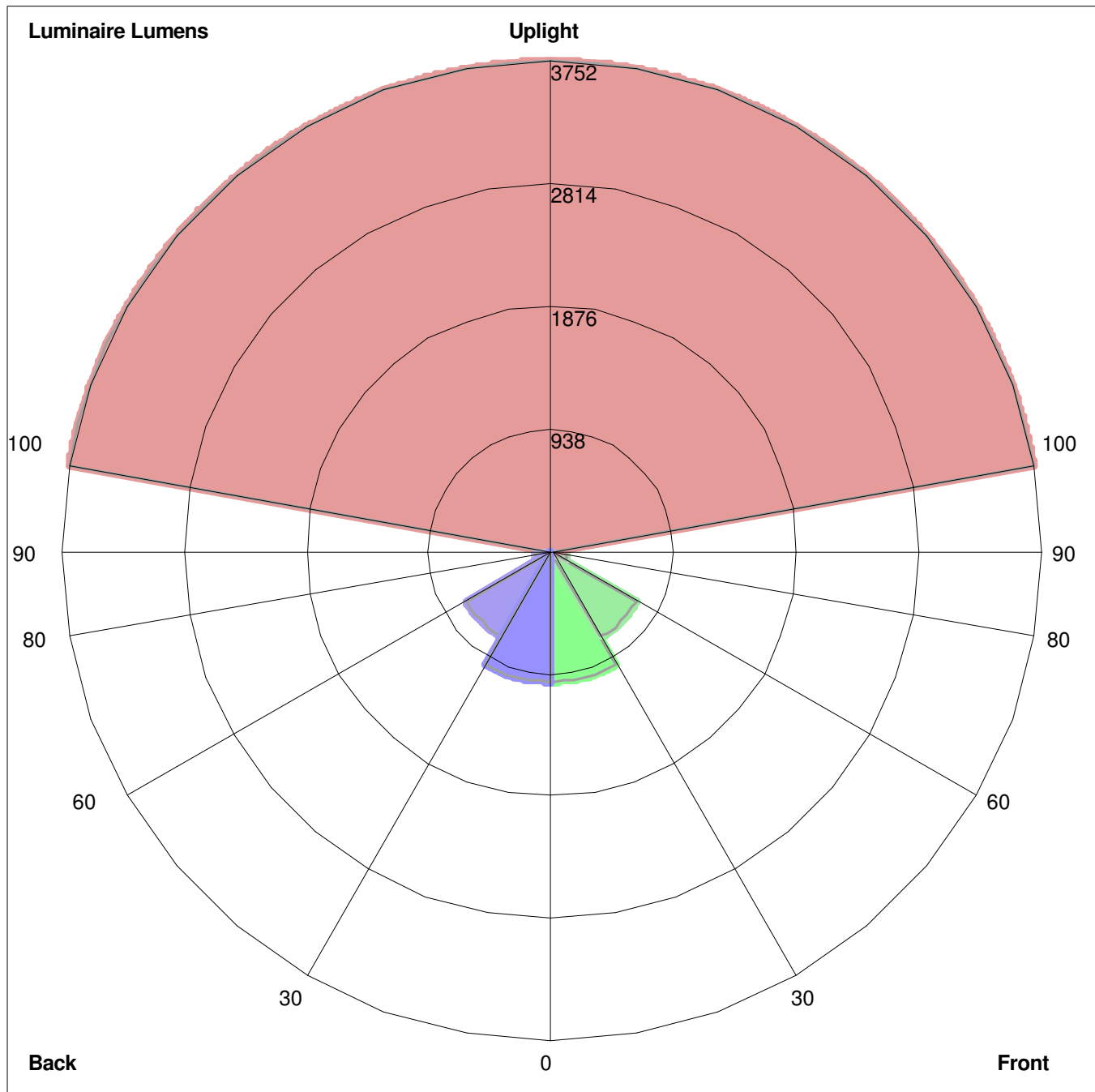
# IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-927U-L40-927D-XXX-DIM-UNV-W-XX\_.IES

## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=998.6, Medium=754.8, High=122.8, Very High=4.6  
Back: Low=998.6, Medium=754.8, High=122.8, Very High=4.6  
Uplight: Low=9.1, High=3752.4

BUG Rating : B2-U5-G0