

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-950U-L10-950D-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-L10-950U-L10-950D-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	2032
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	846.534
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	846.534
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.563 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.248 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-950U-L10-950D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	269.7	N.A.	13.3
FM - Front-Medium (30-60)	203.9	N.A.	10.0
FH - Front-High (60-80)	33.2	N.A.	1.6
FVH - Front-Very High (80-90)	1.2	N.A.	0.1
BL - Back-Low (0-30)	269.7	N.A.	13.3
BM - Back-Medium (30-60)	203.9	N.A.	10.0
BH - Back-High (60-80)	33.2	N.A.	1.6
BVH - Back-Very High (80-90)	1.2	N.A.	0.1
UL - Uplight-Low (90-100)	2.5	N.A.	0.1
UH - Uplight-High (100-180)	1013.6	N.A.	49.9
Total	2032.1	N.A.	100.0
BUG Rating	B1-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	846.534	846.534	846.534	846.534	846.534	846.534	846.534	846.534	846.534
5	837.811	837.350	835.862	837.350	837.811	837.350	835.862	837.350	837.811
10	785.579	784.409	783.657	784.409	785.579	784.409	783.657	784.409	785.579
15	703.413	705.382	704.677	705.382	703.413	705.382	704.677	705.382	703.413
20	631.112	632.431	632.644	632.431	631.112	632.431	632.644	632.431	631.112
25	580.361	578.839	579.140	578.839	580.361	578.839	579.140	578.839	580.361
30	497.863	491.551	492.852	491.551	497.863	491.551	492.852	491.551	497.863
35	299.198	299.381	302.130	299.381	299.198	299.381	302.130	299.381	299.198
40	182.088	184.207	185.444	184.207	182.088	184.207	185.444	184.207	182.088
45	154.060	154.209	153.775	154.209	154.060	154.209	153.775	154.209	154.060
50	128.520	128.561	128.269	128.561	128.520	128.561	128.269	128.561	128.520
55	101.800	101.672	101.194	101.672	101.800	101.672	101.194	101.672	101.800
60	73.820	73.633	73.189	73.633	73.820	73.633	73.189	73.633	73.820
65	49.239	49.104	48.914	49.104	49.239	49.104	48.914	49.104	49.239
70	29.201	29.201	29.198	29.201	29.201	29.201	29.198	29.201	29.201
75	14.451	14.482	14.492	14.482	14.451	14.482	14.492	14.482	14.451
80	5.180	5.231	5.248	5.231	5.180	5.231	5.248	5.231	5.180
85	1.671	1.675	1.661	1.675	1.671	1.675	1.661	1.675	1.671
90	0.441	0.495	0.563	0.495	0.441	0.495	0.563	0.495	0.441
95	1.671	1.675	1.661	1.675	1.671	1.675	1.661	1.675	1.671
100	5.180	5.231	5.248	5.231	5.180	5.231	5.248	5.231	5.180
105	14.451	14.482	14.492	14.482	14.451	14.482	14.492	14.482	14.451
110	29.201	29.201	29.198	29.201	29.201	29.201	29.198	29.201	29.201
115	49.239	49.104	48.914	49.104	49.239	49.104	48.914	49.104	49.239
120	73.820	73.633	73.189	73.633	73.820	73.633	73.189	73.633	73.820
125	101.800	101.672	101.194	101.672	101.800	101.672	101.194	101.672	101.800
130	128.520	128.561	128.269	128.561	128.520	128.561	128.269	128.561	128.520
135	154.060	154.209	153.775	154.209	154.060	154.209	153.775	154.209	154.060
140	182.088	184.207	185.444	184.207	182.088	184.207	185.444	184.207	182.088
145	299.198	299.381	302.130	299.381	299.198	299.381	302.130	299.381	299.198
150	497.863	491.551	492.852	491.551	497.863	491.551	492.852	491.551	497.863
155	580.361	578.839	579.140	578.839	580.361	578.839	579.140	578.839	580.361
160	631.112	632.431	632.644	632.431	631.112	632.431	632.644	632.431	631.112
165	703.413	705.382	704.677	705.382	703.413	705.382	704.677	705.382	703.413
170	785.579	784.409	783.657	784.409	785.579	784.409	783.657	784.409	785.579
175	837.811	837.350	835.862	837.350	837.811	837.350	835.862	837.350	837.811
180	846.473	846.473	846.473	846.473	846.473	846.473	846.473	846.473	846.473

COEFFICIENTS OF UTILIZATION



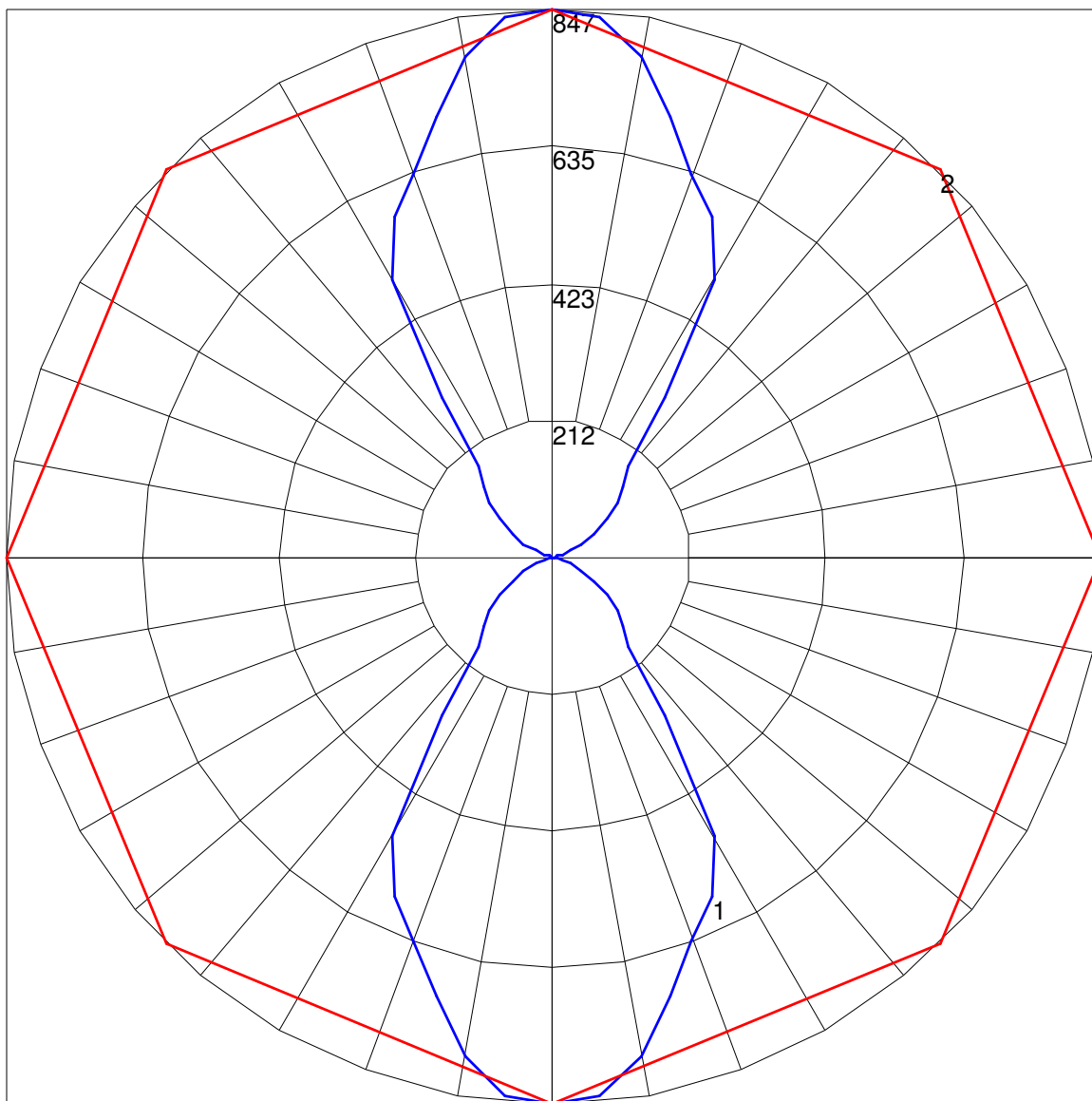
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	508.0	25.0
Downward House Side	508.0	25.0
Downward Total	1016.0	50.0
Upward Street Side	508.0	25.0
Upward House Side	508.0	25.0
Upward Total	1016.0	50.0
Total Flux	2032.0	100.0

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## POLAR GRAPH

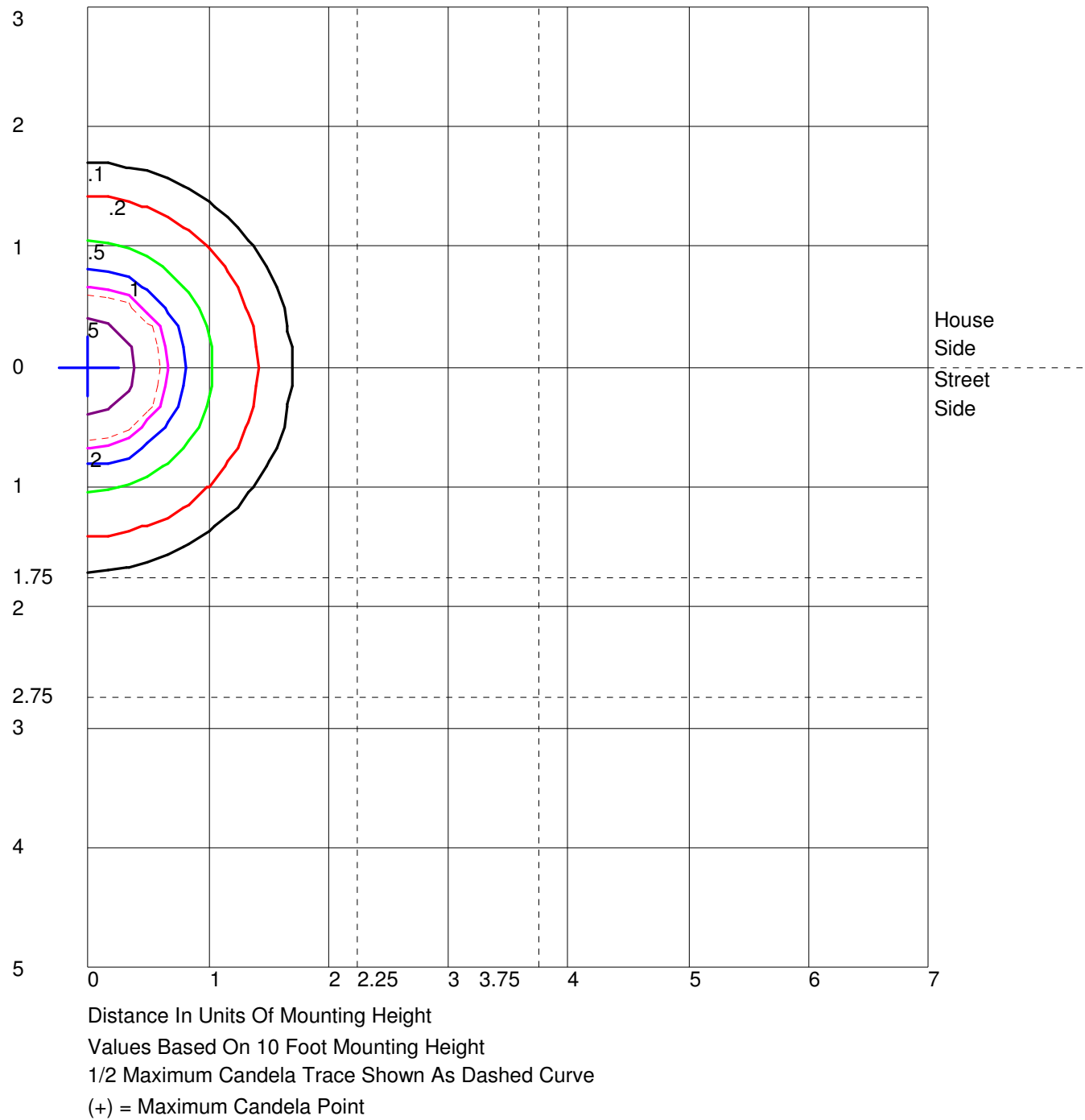


Maximum Candela = 846.534 Located At Horizontal Angle = 360, Vertical Angle = 0

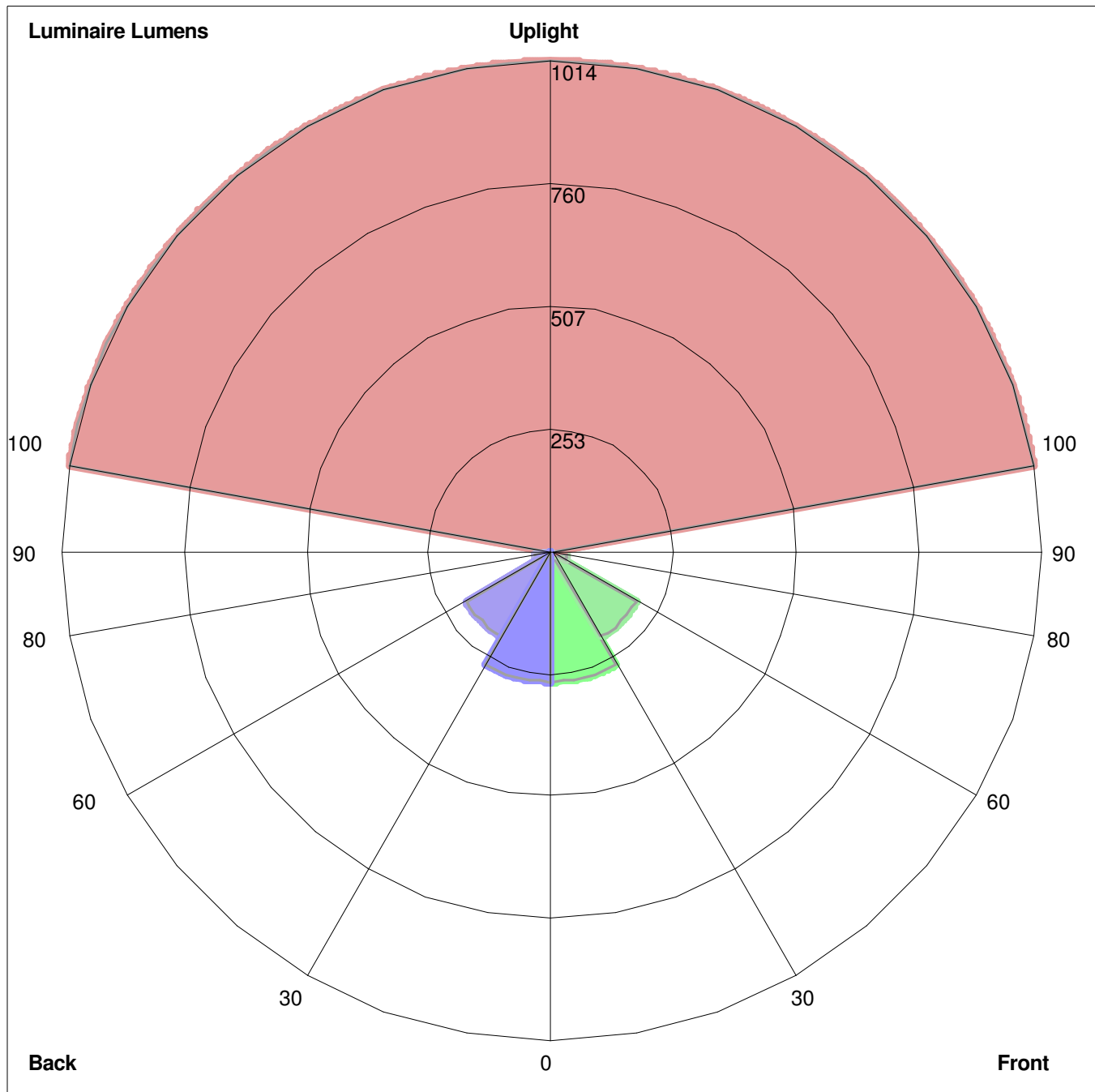
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=269.7, Medium=203.9, High=33.2, Very High=1.2  
Back: Low=269.7, Medium=203.9, High=33.2, Very High=1.2  
Uplight: Low=2.5, High=1013.6

BUG Rating : B1-U5-G0