

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-935U-L10-935D-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-L10-935U-L10-935D-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	2075
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	864.545
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	864.545
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.575 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.359 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-935U-L10-935D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	275.5	N.A.	13.3
FM - Front-Medium (30-60)	208.2	N.A.	10.0
FH - Front-High (60-80)	33.9	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	275.5	N.A.	13.3
BM - Back-Medium (30-60)	208.2	N.A.	10.0
BH - Back-High (60-80)	33.9	N.A.	1.6
BVH - Back-Very High (80-90)	1.3	N.A.	0.1
UL - Uplight-Low (90-100)	2.5	N.A.	0.1
UH - Uplight-High (100-180)	1035.2	N.A.	49.9
Total	2075.5	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	864.545	864.545	864.545	864.545	864.545	864.545	864.545	864.545	864.545
5	855.637	855.166	853.646	855.166	855.637	855.166	853.646	855.166	855.637
10	802.293	801.099	800.330	801.099	802.293	801.099	800.330	801.099	802.293
15	718.379	720.391	719.671	720.391	718.379	720.391	719.671	720.391	718.379
20	644.540	645.887	646.105	645.887	644.540	645.887	646.105	645.887	644.540
25	592.709	591.154	591.463	591.154	592.709	591.154	591.463	591.154	592.709
30	508.456	502.009	503.339	502.009	508.456	502.009	503.339	502.009	508.456
35	305.564	305.751	308.558	305.751	305.564	305.751	308.558	305.751	305.564
40	185.962	188.126	189.390	188.126	185.962	188.126	189.390	188.126	185.962
45	157.338	157.490	157.047	157.490	157.338	157.490	157.047	157.490	157.338
50	131.255	131.296	130.998	131.296	131.255	131.296	130.998	131.296	131.255
55	103.966	103.835	103.347	103.835	103.966	103.835	103.347	103.835	103.966
60	75.390	75.200	74.746	75.200	75.390	75.200	74.746	75.200	75.390
65	50.287	50.148	49.954	50.148	50.287	50.148	49.954	50.148	50.287
70	29.822	29.822	29.819	29.822	29.822	29.822	29.819	29.822	29.822
75	14.759	14.790	14.800	14.790	14.759	14.790	14.800	14.790	14.759
80	5.290	5.342	5.359	5.342	5.290	5.342	5.359	5.342	5.290
85	1.707	1.710	1.696	1.710	1.707	1.710	1.696	1.710	1.707
90	0.450	0.505	0.575	0.505	0.450	0.505	0.575	0.505	0.450
95	1.707	1.710	1.696	1.710	1.707	1.710	1.696	1.710	1.707
100	5.290	5.342	5.359	5.342	5.290	5.342	5.359	5.342	5.290
105	14.759	14.790	14.800	14.790	14.759	14.790	14.800	14.790	14.759
110	29.822	29.822	29.819	29.822	29.822	29.822	29.819	29.822	29.822
115	50.287	50.148	49.954	50.148	50.287	50.148	49.954	50.148	50.287
120	75.390	75.200	74.746	75.200	75.390	75.200	74.746	75.200	75.390
125	103.966	103.835	103.347	103.835	103.966	103.835	103.347	103.835	103.966
130	131.255	131.296	130.998	131.296	131.255	131.296	130.998	131.296	131.255
135	157.338	157.490	157.047	157.490	157.338	157.490	157.047	157.490	157.338
140	185.962	188.126	189.390	188.126	185.962	188.126	189.390	188.126	185.962
145	305.564	305.751	308.558	305.751	305.564	305.751	308.558	305.751	305.564
150	508.456	502.009	503.339	502.009	508.456	502.009	503.339	502.009	508.456
155	592.709	591.154	591.463	591.154	592.709	591.154	591.463	591.154	592.709
160	644.540	645.887	646.105	645.887	644.540	645.887	646.105	645.887	644.540
165	718.379	720.391	719.671	720.391	718.379	720.391	719.671	720.391	718.379
170	802.293	801.099	800.330	801.099	802.293	801.099	800.330	801.099	802.293
175	855.637	855.166	853.646	855.166	855.637	855.166	853.646	855.166	855.637
180	864.483	864.483	864.483	864.483	864.483	864.483	864.483	864.483	864.483

COEFFICIENTS OF UTILIZATION



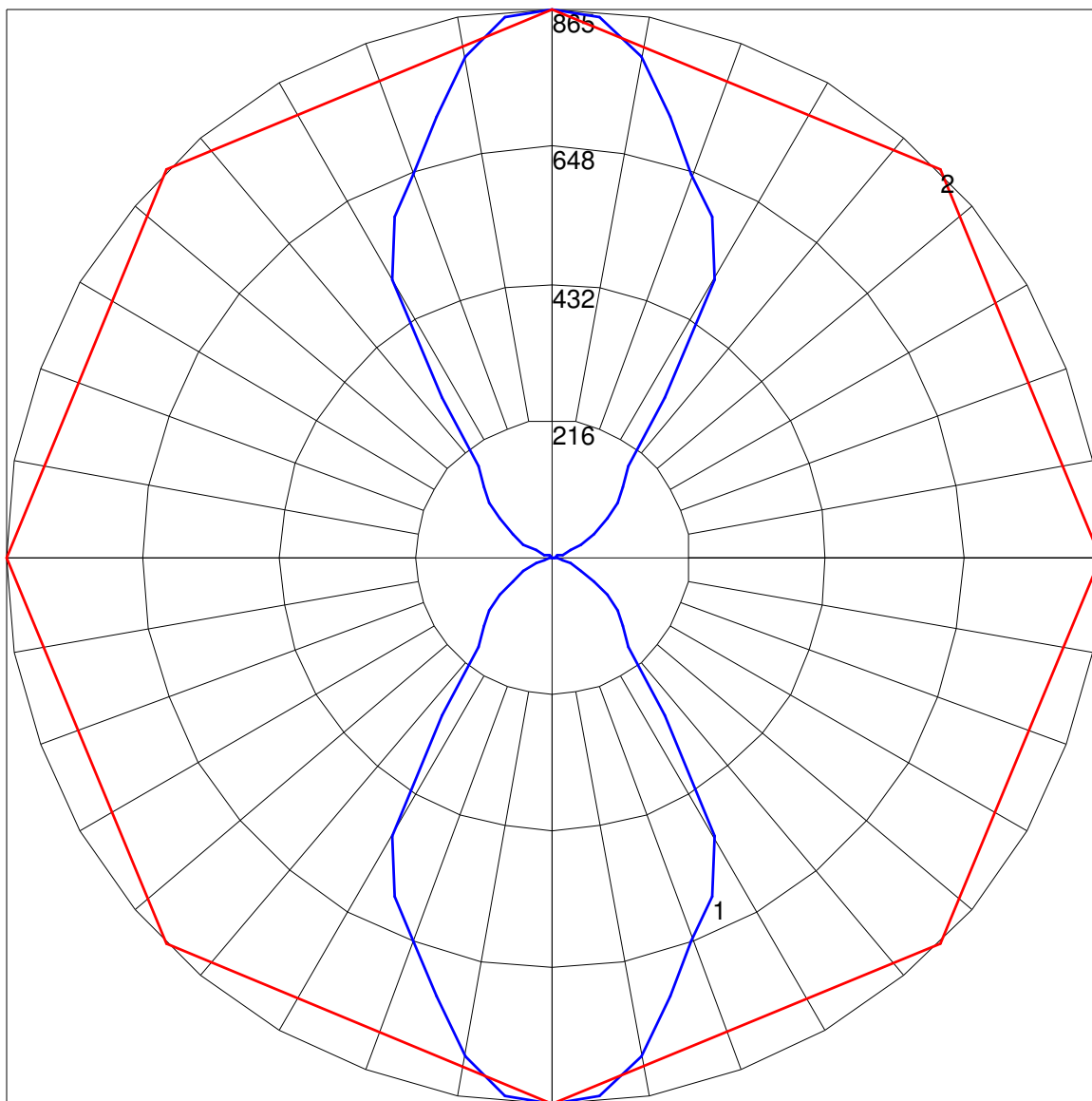
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	518.8	25.0
Downward House Side	518.8	25.0
Downward Total	1037.6	50.0
Upward Street Side	518.8	25.0
Upward House Side	518.8	25.0
Upward Total	1037.6	50.0
Total Flux	2075.2	100.0

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## POLAR GRAPH



Maximum Candela = 864.545 Located At Horizontal Angle = 360, Vertical Angle = 0

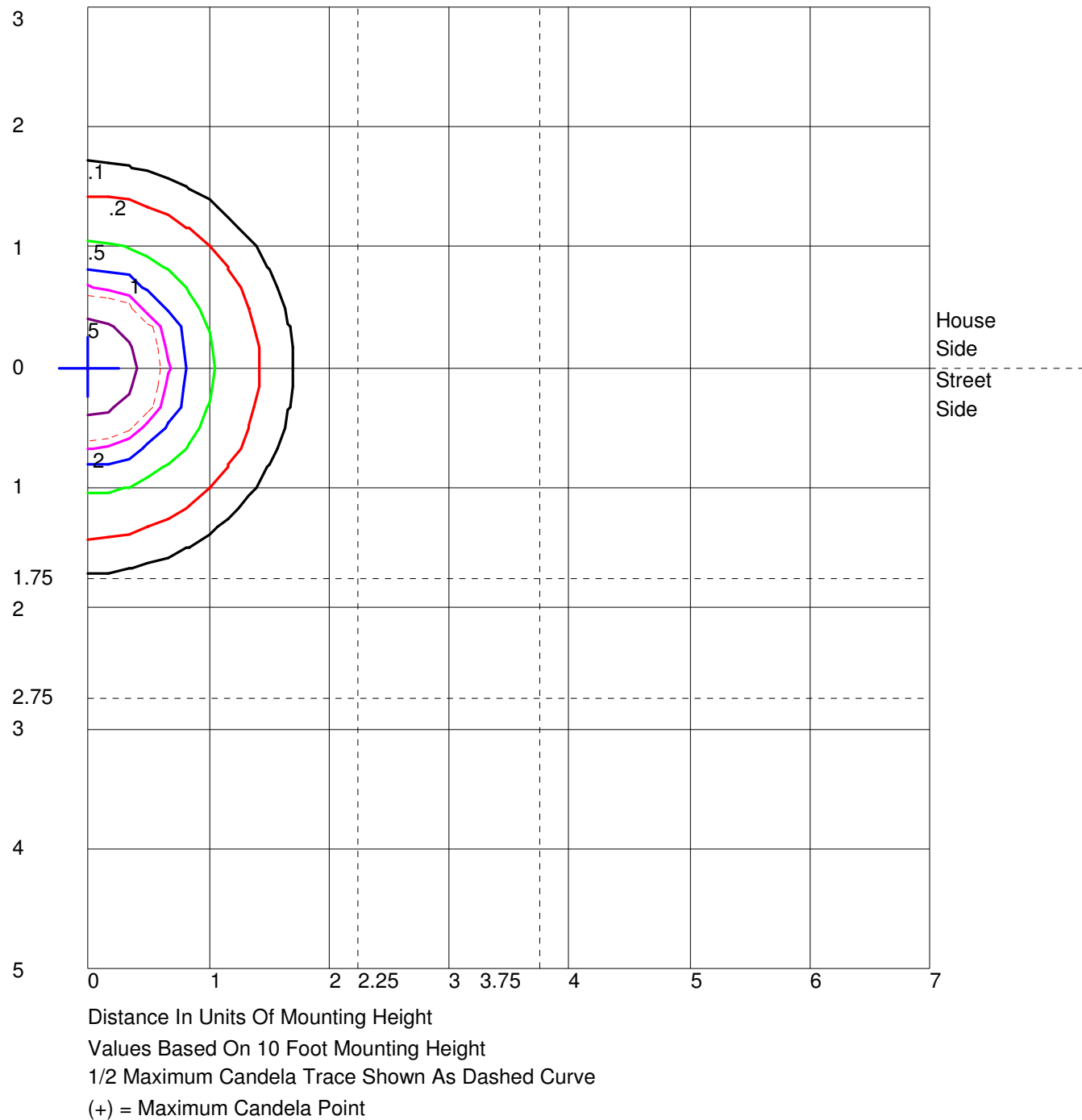
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

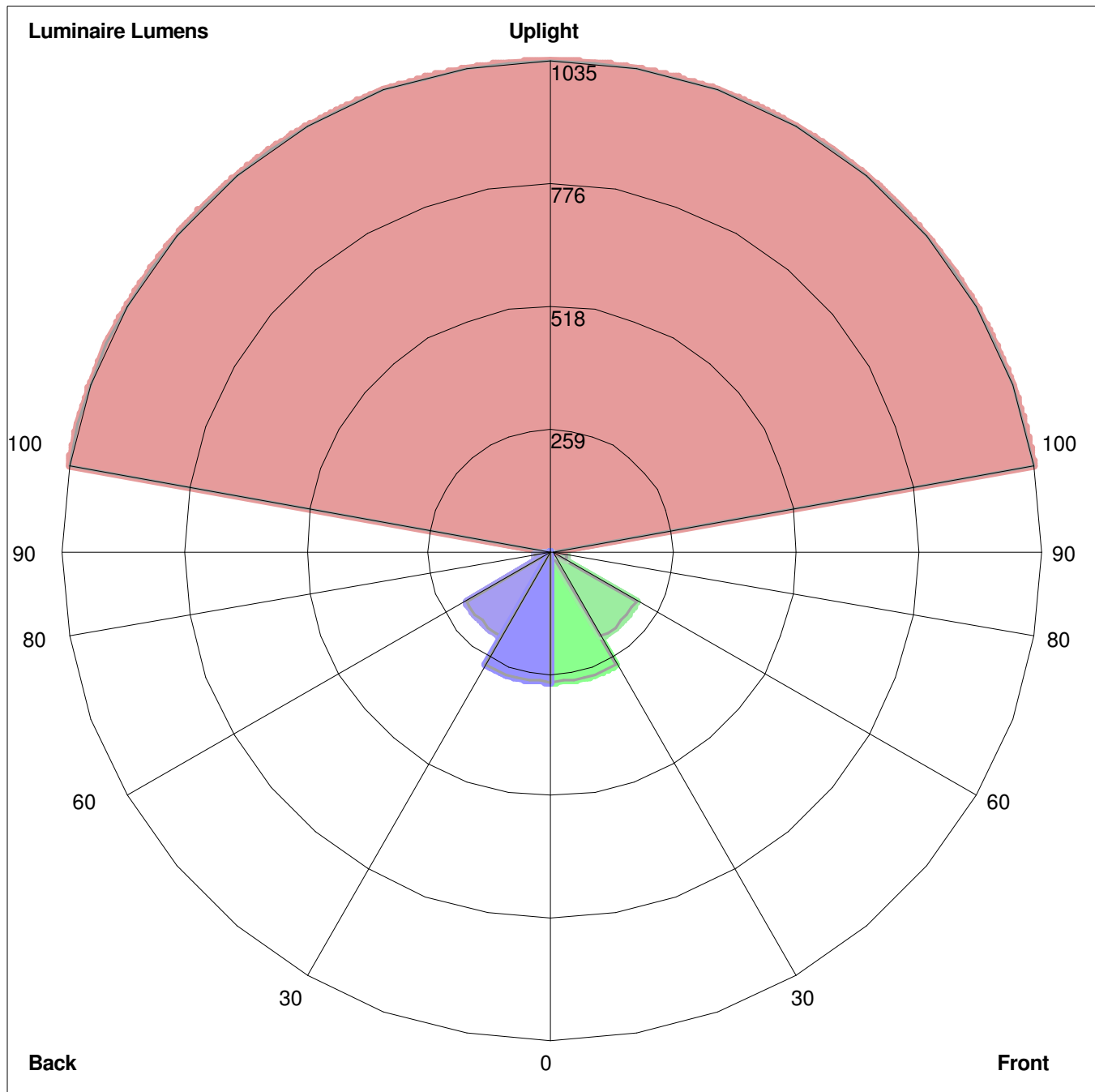
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=275.5, Medium=208.2, High=33.9, Very High=1.3  
Back: Low=275.5, Medium=208.2, High=33.9, Very High=1.3  
Uplight: Low=2.5, High=1035.2

BUG Rating : B1-U5-G0