

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-935U-L30-935D-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-L30-935U-L30-935D-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	5907
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2460.874
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2460.874
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.636 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.255 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-935U-L30-935D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	784.1	N.A.	13.3
FM - Front-Medium (30-60)	592.7	N.A.	10.0
FH - Front-High (60-80)	96.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.6	N.A.	0.1
BL - Back-Low (0-30)	784.1	N.A.	13.3
BM - Back-Medium (30-60)	592.7	N.A.	10.0
BH - Back-High (60-80)	96.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.6	N.A.	0.1
UL - Uplight-Low (90-100)	7.2	N.A.	0.1
UH - Uplight-High (100-180)	2946.5	N.A.	49.9
Total	5907.3	N.A.	100.0
BUG Rating	B2-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	2460.874	2460.874	2460.874	2460.874	2460.874	2460.874	2460.874	2460.874	2460.874
5	2435.518	2434.178	2429.852	2434.178	2435.518	2434.178	2429.852	2434.178	2435.518
10	2283.678	2280.278	2278.091	2280.278	2283.678	2280.278	2278.091	2280.278	2283.678
15	2044.822	2050.548	2048.498	2050.548	2044.822	2050.548	2048.498	2050.548	2044.822
20	1834.643	1838.476	1839.097	1838.476	1834.643	1838.476	1839.097	1838.476	1834.643
25	1687.110	1682.685	1683.562	1682.685	1687.110	1682.685	1683.562	1682.685	1687.110
30	1447.288	1428.938	1432.723	1428.938	1447.288	1428.938	1432.723	1428.938	1447.288
35	869.768	870.300	878.292	870.300	869.768	870.300	878.292	870.300	869.768
40	529.331	535.490	539.087	535.490	529.331	535.490	539.087	535.490	529.331
45	447.853	448.286	447.025	448.286	447.853	448.286	447.025	448.286	447.853
50	373.608	373.726	372.879	373.726	373.608	373.726	372.879	373.726	373.608
55	295.934	295.560	294.170	295.560	295.934	295.560	294.170	295.560	295.934
60	214.594	214.052	212.761	214.052	214.594	214.052	212.761	214.052	214.594
65	143.138	142.744	142.192	142.744	143.138	142.744	142.192	142.744	143.138
70	84.888	84.888	84.878	84.888	84.888	84.888	84.878	84.888	84.888
75	42.010	42.099	42.128	42.099	42.010	42.099	42.128	42.099	42.010
80	15.058	15.206	15.255	15.206	15.058	15.206	15.255	15.206	15.058
85	4.858	4.868	4.829	4.868	4.858	4.868	4.829	4.868	4.858
90	1.281	1.439	1.636	1.439	1.281	1.439	1.636	1.439	1.281
95	4.858	4.868	4.829	4.868	4.858	4.868	4.829	4.868	4.858
100	15.058	15.206	15.255	15.206	15.058	15.206	15.255	15.206	15.058
105	42.010	42.099	42.128	42.099	42.010	42.099	42.128	42.099	42.010
110	84.888	84.888	84.878	84.888	84.888	84.888	84.878	84.888	84.888
115	143.138	142.744	142.192	142.744	143.138	142.744	142.192	142.744	143.138
120	214.594	214.052	212.761	214.052	214.594	214.052	212.761	214.052	214.594
125	295.934	295.560	294.170	295.560	295.934	295.560	294.170	295.560	295.934
130	373.608	373.726	372.879	373.726	373.608	373.726	372.879	373.726	373.608
135	447.853	448.286	447.025	448.286	447.853	448.286	447.025	448.286	447.853
140	529.331	535.490	539.087	535.490	529.331	535.490	539.087	535.490	529.331
145	869.768	870.300	878.292	870.300	869.768	870.300	878.292	870.300	869.768
150	1447.288	1428.938	1432.723	1428.938	1447.288	1428.938	1432.723	1428.938	1447.288
155	1687.110	1682.685	1683.562	1682.685	1687.110	1682.685	1683.562	1682.685	1687.110
160	1834.643	1838.476	1839.097	1838.476	1834.643	1838.476	1839.097	1838.476	1834.643
165	2044.822	2050.548	2048.498	2050.548	2044.822	2050.548	2048.498	2050.548	2044.822
170	2283.678	2280.278	2278.091	2280.278	2283.678	2280.278	2278.091	2280.278	2283.678
175	2435.518	2434.178	2429.852	2434.178	2435.518	2434.178	2429.852	2434.178	2435.518
180	2460.697	2460.697	2460.697	2460.697	2460.697	2460.697	2460.697	2460.697	2460.697

COEFFICIENTS OF UTILIZATION



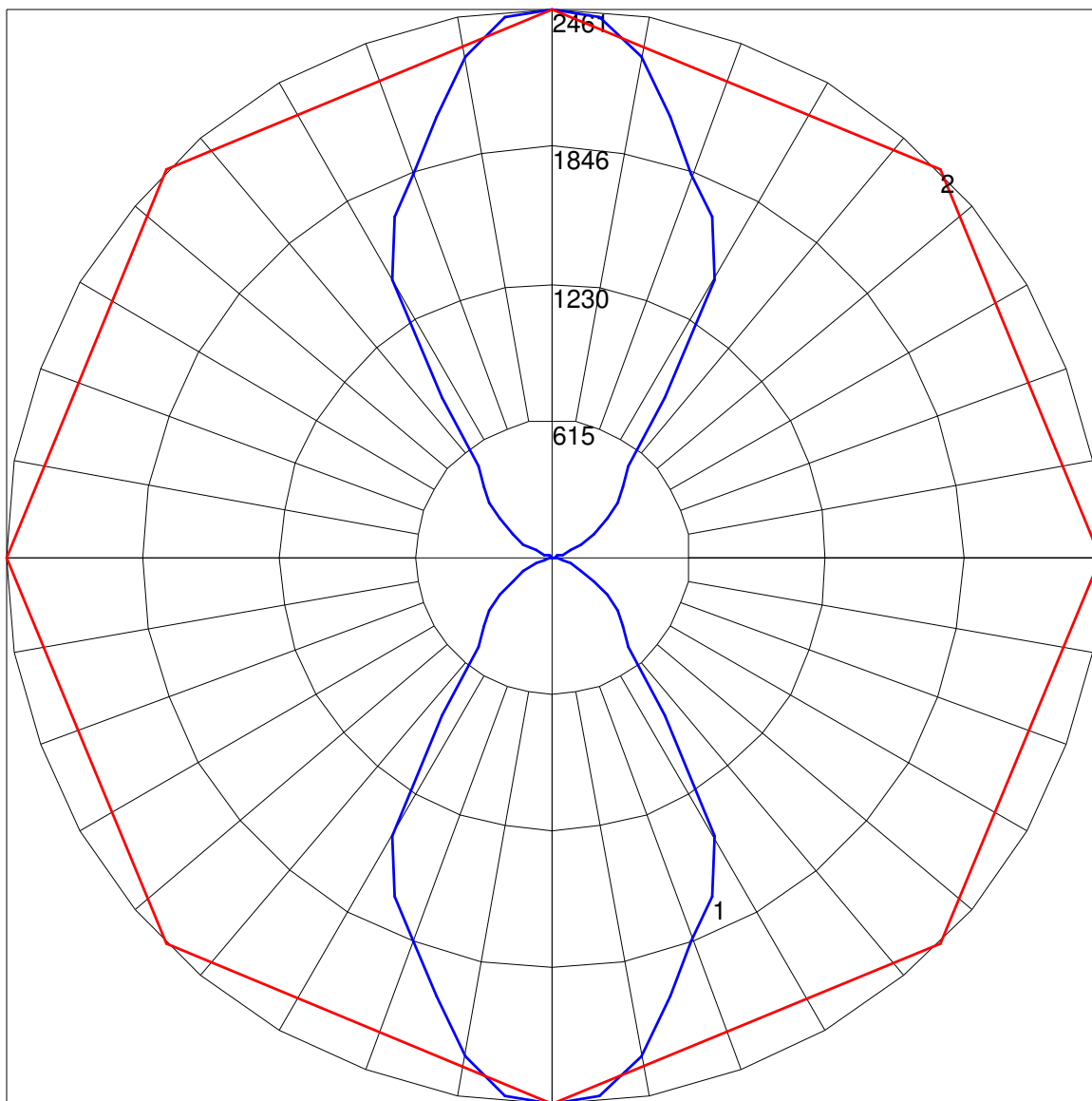
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1476.8	25.0
Downward House Side	1476.8	25.0
Downward Total	2953.6	50.0
Upward Street Side	1476.8	25.0
Upward House Side	1476.8	25.0
Upward Total	2953.6	50.0
Total Flux	5907.2	100.0

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POLAR GRAPH



Maximum Candela = 2460.874 Located At Horizontal Angle = 360, Vertical Angle = 0

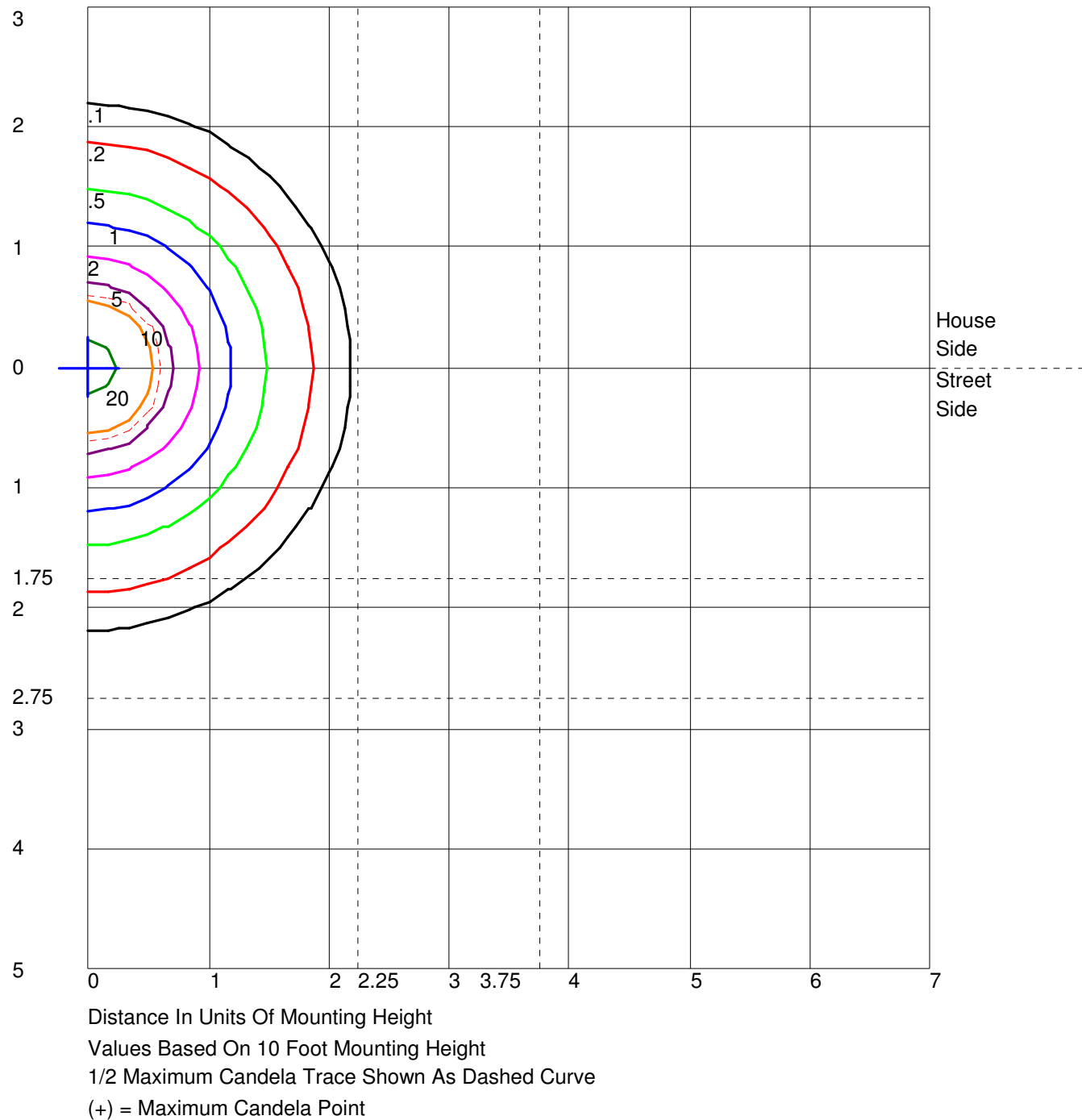
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

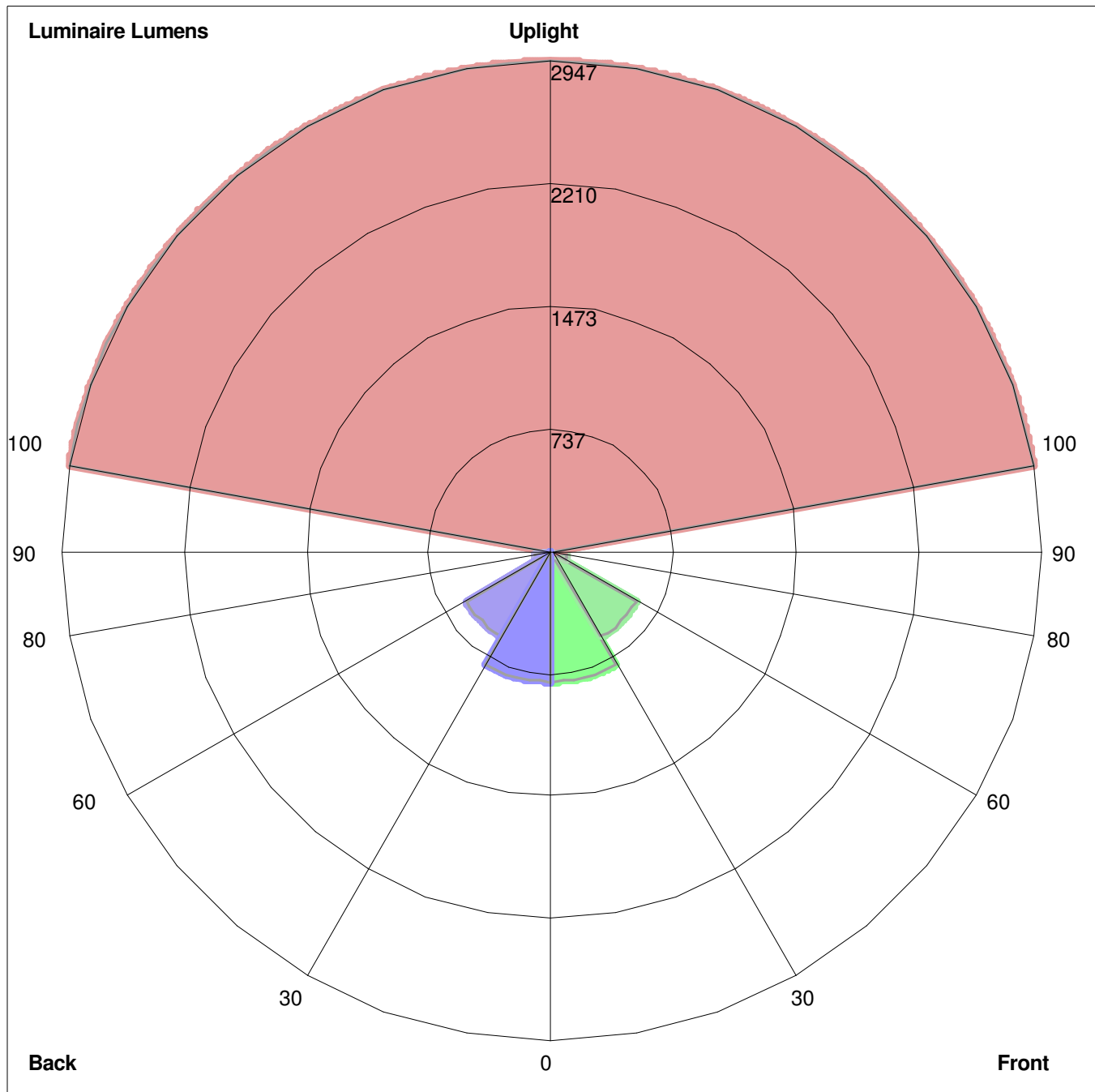
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=784.1, Medium=592.7, High=96.4, Very High=3.6
Back: Low=784.1, Medium=592.7, High=96.4, Very High=3.6
Uplight: Low=7.2, High=2946.5

BUG Rating : B2-U5-G0