

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-827U-L30-827D-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-L30-827U-L30-827D-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	6030
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2512.143
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2512.143
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.67 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.573 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-827U-L30-827D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	800.5	N.A.	13.3
FM - Front-Medium (30-60)	605.1	N.A.	10.0
FH - Front-High (60-80)	98.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	800.5	N.A.	13.3
BM - Back-Medium (30-60)	605.1	N.A.	10.0
BH - Back-High (60-80)	98.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	7.3	N.A.	0.1
UH - Uplight-High (100-180)	3007.9	N.A.	49.9
Total	6030.6	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	2512.143	2512.143	2512.143	2512.143	2512.143	2512.143	2512.143	2512.143	2512.143
5	2486.259	2484.891	2480.475	2484.891	2486.259	2484.891	2480.475	2484.891	2486.259
10	2331.256	2327.785	2325.552	2327.785	2331.256	2327.785	2325.552	2327.785	2331.256
15	2087.423	2093.268	2091.176	2093.268	2087.423	2093.268	2091.176	2093.268	2087.423
20	1872.865	1876.779	1877.413	1876.779	1872.865	1876.779	1877.413	1876.779	1872.865
25	1722.258	1717.741	1718.637	1717.741	1722.258	1717.741	1718.637	1717.741	1722.258
30	1477.440	1458.709	1462.572	1458.709	1477.440	1458.709	1462.572	1458.709	1477.440
35	887.889	888.432	896.590	888.432	887.889	888.432	896.590	888.432	887.889
40	540.359	546.646	550.318	546.646	540.359	546.646	550.318	546.646	540.359
45	457.183	457.626	456.338	457.626	457.183	457.626	456.338	457.626	457.183
50	381.392	381.512	380.647	381.512	381.392	381.512	380.647	381.512	381.392
55	302.099	301.717	300.299	301.717	302.099	301.717	300.299	301.717	302.099
60	219.065	218.512	217.194	218.512	219.065	218.512	217.194	218.512	219.065
65	146.120	145.718	145.155	145.718	146.120	145.718	145.155	145.718	146.120
70	86.656	86.656	86.646	86.656	86.656	86.656	86.646	86.656	86.656
75	42.885	42.976	43.006	42.976	42.885	42.976	43.006	42.976	42.885
80	15.372	15.522	15.573	15.522	15.372	15.522	15.573	15.522	15.372
85	4.960	4.970	4.929	4.970	4.960	4.970	4.929	4.970	4.960
90	1.308	1.469	1.670	1.469	1.308	1.469	1.670	1.469	1.308
95	4.960	4.970	4.929	4.970	4.960	4.970	4.929	4.970	4.960
100	15.372	15.522	15.573	15.522	15.372	15.522	15.573	15.522	15.372
105	42.885	42.976	43.006	42.976	42.885	42.976	43.006	42.976	42.885
110	86.656	86.656	86.646	86.656	86.656	86.656	86.646	86.656	86.656
115	146.120	145.718	145.155	145.718	146.120	145.718	145.155	145.718	146.120
120	219.065	218.512	217.194	218.512	219.065	218.512	217.194	218.512	219.065
125	302.099	301.717	300.299	301.717	302.099	301.717	300.299	301.717	302.099
130	381.392	381.512	380.647	381.512	381.392	381.512	380.647	381.512	381.392
135	457.183	457.626	456.338	457.626	457.183	457.626	456.338	457.626	457.183
140	540.359	546.646	550.318	546.646	540.359	546.646	550.318	546.646	540.359
145	887.889	888.432	896.590	888.432	887.889	888.432	896.590	888.432	887.889
150	1477.440	1458.709	1462.572	1458.709	1477.440	1458.709	1462.572	1458.709	1477.440
155	1722.258	1717.741	1718.637	1717.741	1722.258	1717.741	1718.637	1717.741	1722.258
160	1872.865	1876.779	1877.413	1876.779	1872.865	1876.779	1877.413	1876.779	1872.865
165	2087.423	2093.268	2091.176	2093.268	2087.423	2093.268	2091.176	2093.268	2087.423
170	2331.256	2327.785	2325.552	2327.785	2331.256	2327.785	2325.552	2327.785	2331.256
175	2486.259	2484.891	2480.475	2484.891	2486.259	2484.891	2480.475	2484.891	2486.259
180	2511.962	2511.962	2511.962	2511.962	2511.962	2511.962	2511.962	2511.962	2511.962

COEFFICIENTS OF UTILIZATION



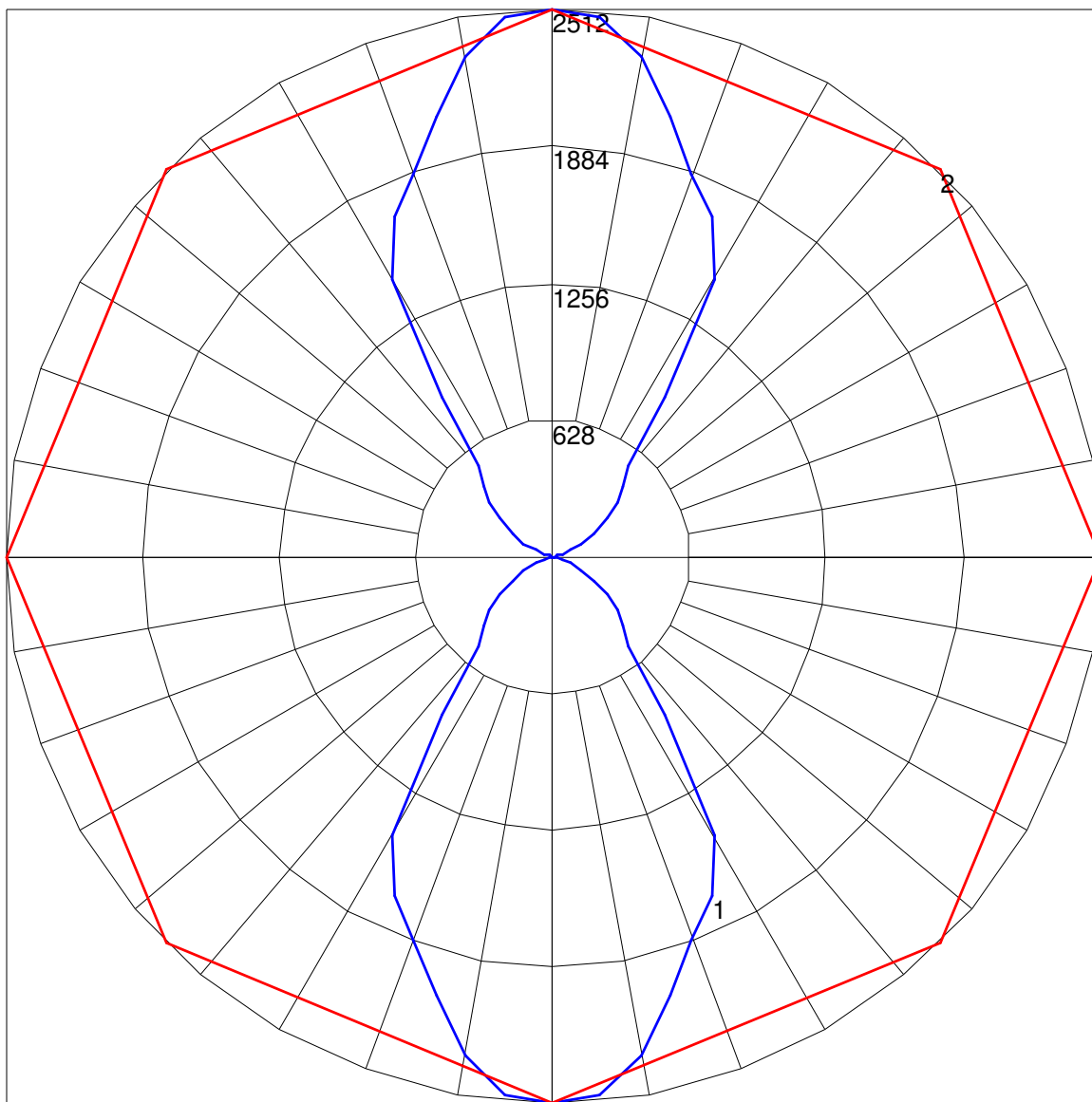
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1507.6	25.0
Downward House Side	1507.6	25.0
Downward Total	3015.2	50.0
Upward Street Side	1507.6	25.0
Upward House Side	1507.6	25.0
Upward Total	3015.2	50.0
Total Flux	6030.4	100.0

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POLAR GRAPH

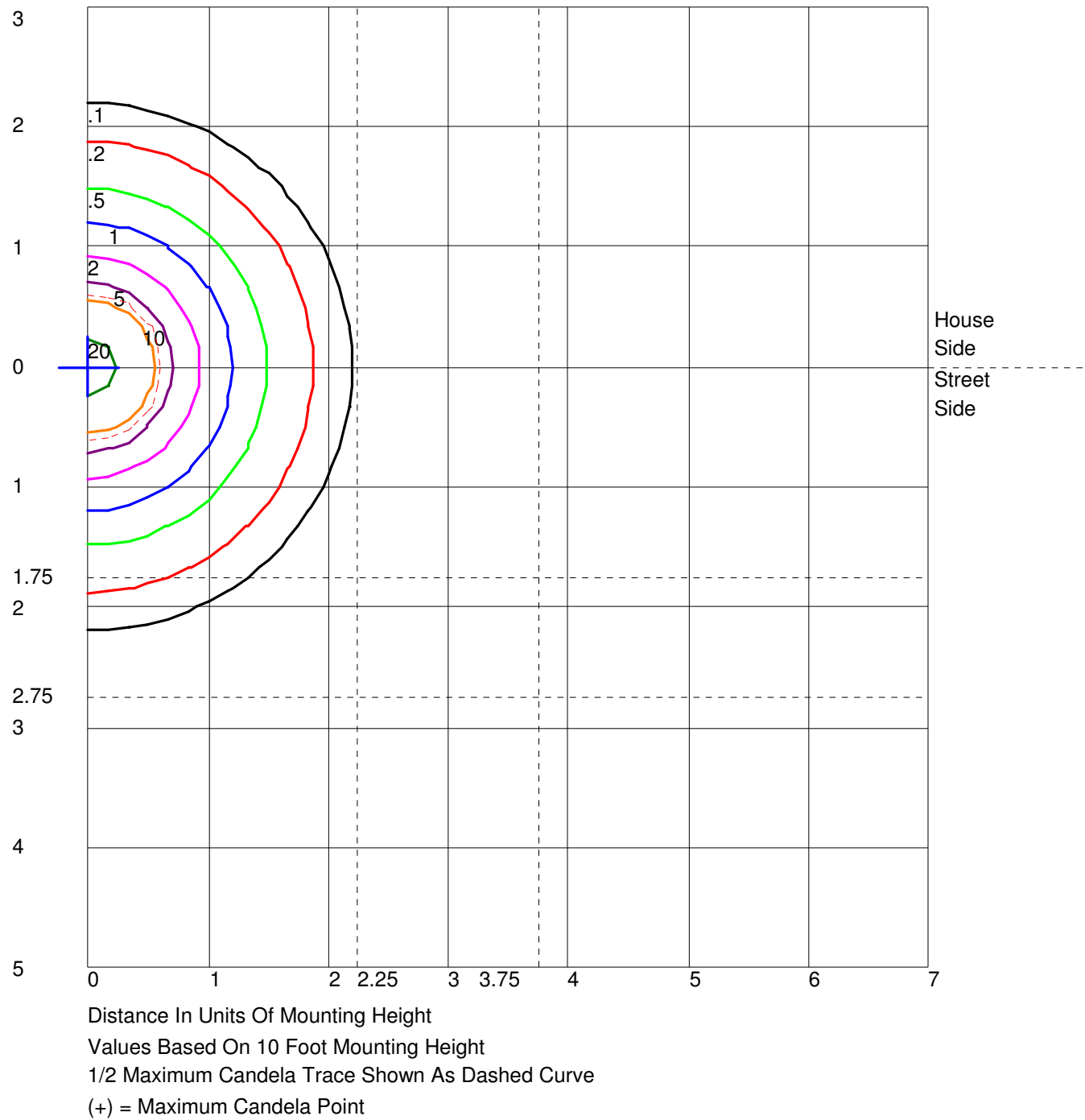


Maximum Candela = 2512.143 Located At Horizontal Angle = 360, Vertical Angle = 0

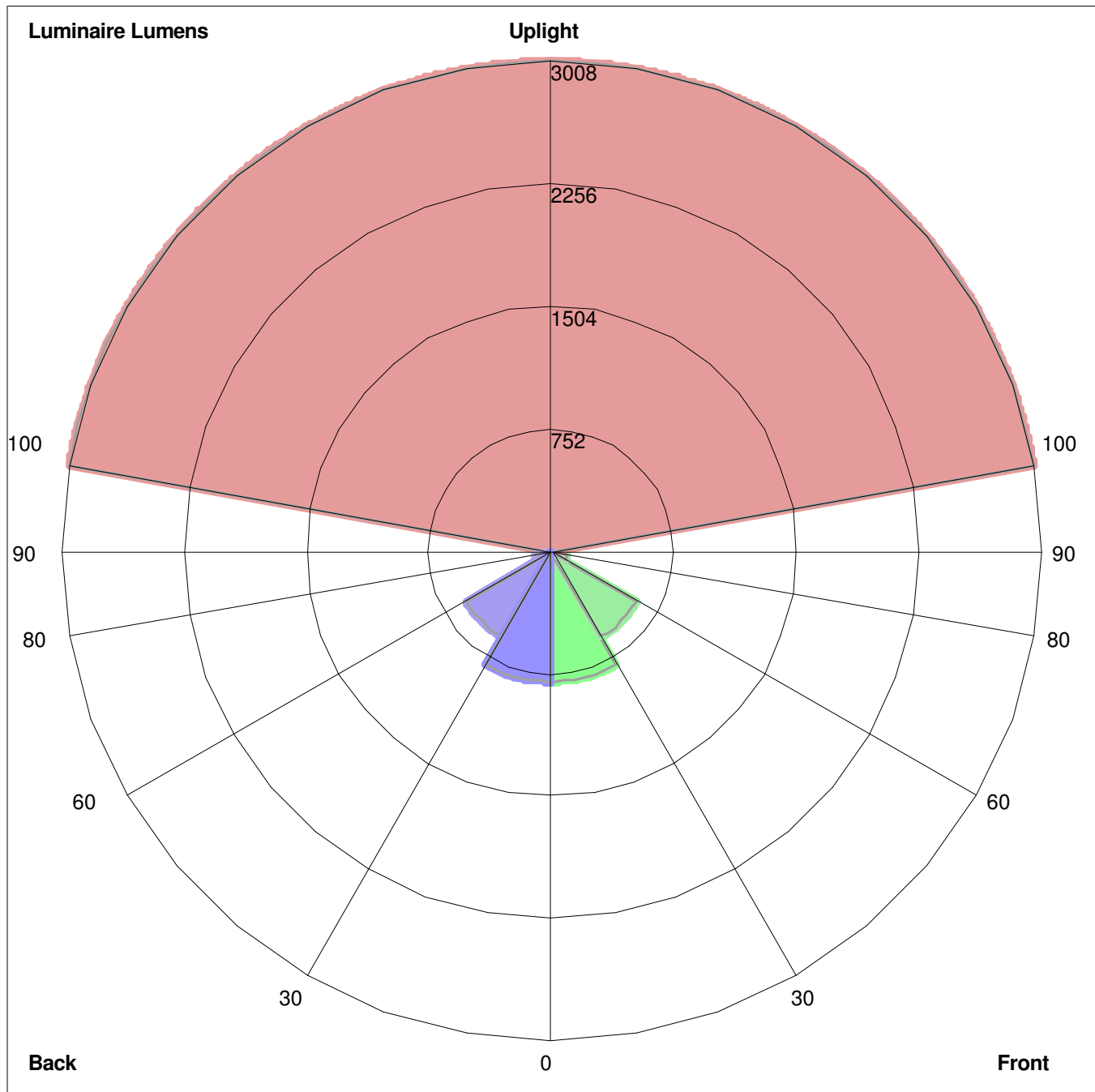
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=800.5, Medium=605.1, High=98.4, Very High=3.7
Back: Low=800.5, Medium=605.1, High=98.4, Very High=3.7
Uplight: Low=7.3, High=3007.9

BUG Rating : B2-U5-G0