

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-835U-L30-835D-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-L30-835U-L30-835D-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	6154
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2563.41
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2563.41
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.704 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.891 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-835U-L30-835D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	816.8	N.A.	13.3
FM - Front-Medium (30-60)	617.4	N.A.	10.0
FH - Front-High (60-80)	100.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	816.8	N.A.	13.3
BM - Back-Medium (30-60)	617.4	N.A.	10.0
BH - Back-High (60-80)	100.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	7.5	N.A.	0.1
UH - Uplight-High (100-180)	3069.3	N.A.	49.9
Total	6153.4	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	2563.410	2563.410	2563.410	2563.410	2563.410	2563.410	2563.410	2563.410	2563.410
5	2536.998	2535.602	2531.095	2535.602	2536.998	2535.602	2531.095	2535.602	2536.998
10	2378.831	2375.290	2373.011	2375.290	2378.831	2375.290	2373.011	2375.290	2378.831
15	2130.023	2135.987	2133.852	2135.987	2130.023	2135.987	2133.852	2135.987	2130.023
20	1911.086	1915.080	1915.726	1915.080	1911.086	1915.080	1915.726	1915.080	1911.086
25	1757.406	1752.797	1753.710	1752.797	1757.406	1752.797	1753.710	1752.797	1757.406
30	1507.591	1488.477	1492.419	1488.477	1507.591	1488.477	1492.419	1488.477	1507.591
35	906.008	906.563	914.888	906.563	906.008	906.563	914.888	906.563	906.008
40	551.386	557.802	561.549	557.802	551.386	557.802	561.549	557.802	551.386
45	466.513	466.965	465.651	466.965	466.513	466.965	465.651	466.965	466.513
50	389.175	389.298	388.415	389.298	389.175	389.298	388.415	389.298	389.175
55	308.265	307.874	306.427	307.874	308.265	307.874	306.427	307.874	308.265
60	223.535	222.971	221.626	222.971	223.535	222.971	221.626	222.971	223.535
65	149.102	148.692	148.117	148.692	149.102	148.692	148.117	148.692	149.102
70	88.425	88.425	88.414	88.425	88.425	88.425	88.414	88.425	88.425
75	43.761	43.853	43.884	43.853	43.761	43.853	43.884	43.853	43.761
80	15.685	15.839	15.891	15.839	15.685	15.839	15.891	15.839	15.685
85	5.061	5.071	5.030	5.071	5.061	5.071	5.030	5.071	5.061
90	1.334	1.499	1.704	1.499	1.334	1.499	1.704	1.499	1.334
95	5.061	5.071	5.030	5.071	5.061	5.071	5.030	5.071	5.061
100	15.685	15.839	15.891	15.839	15.685	15.839	15.891	15.839	15.685
105	43.761	43.853	43.884	43.853	43.761	43.853	43.884	43.853	43.761
110	88.425	88.425	88.414	88.425	88.425	88.425	88.414	88.425	88.425
115	149.102	148.692	148.117	148.692	149.102	148.692	148.117	148.692	149.102
120	223.535	222.971	221.626	222.971	223.535	222.971	221.626	222.971	223.535
125	308.265	307.874	306.427	307.874	308.265	307.874	306.427	307.874	308.265
130	389.175	389.298	388.415	389.298	389.175	389.298	388.415	389.298	389.175
135	466.513	466.965	465.651	466.965	466.513	466.965	465.651	466.965	466.513
140	551.386	557.802	561.549	557.802	551.386	557.802	561.549	557.802	551.386
145	906.008	906.563	914.888	906.563	906.008	906.563	914.888	906.563	906.008
150	1507.591	1488.477	1492.419	1488.477	1507.591	1488.477	1492.419	1488.477	1507.591
155	1757.406	1752.797	1753.710	1752.797	1757.406	1752.797	1753.710	1752.797	1757.406
160	1911.086	1915.080	1915.726	1915.080	1911.086	1915.080	1915.726	1915.080	1911.086
165	2130.023	2135.987	2133.852	2135.987	2130.023	2135.987	2133.852	2135.987	2130.023
170	2378.831	2375.290	2373.011	2375.290	2378.831	2375.290	2373.011	2375.290	2378.831
175	2536.998	2535.602	2531.095	2535.602	2536.998	2535.602	2531.095	2535.602	2536.998
180	2563.226	2563.226	2563.226	2563.226	2563.226	2563.226	2563.226	2563.226	2563.226

COEFFICIENTS OF UTILIZATION



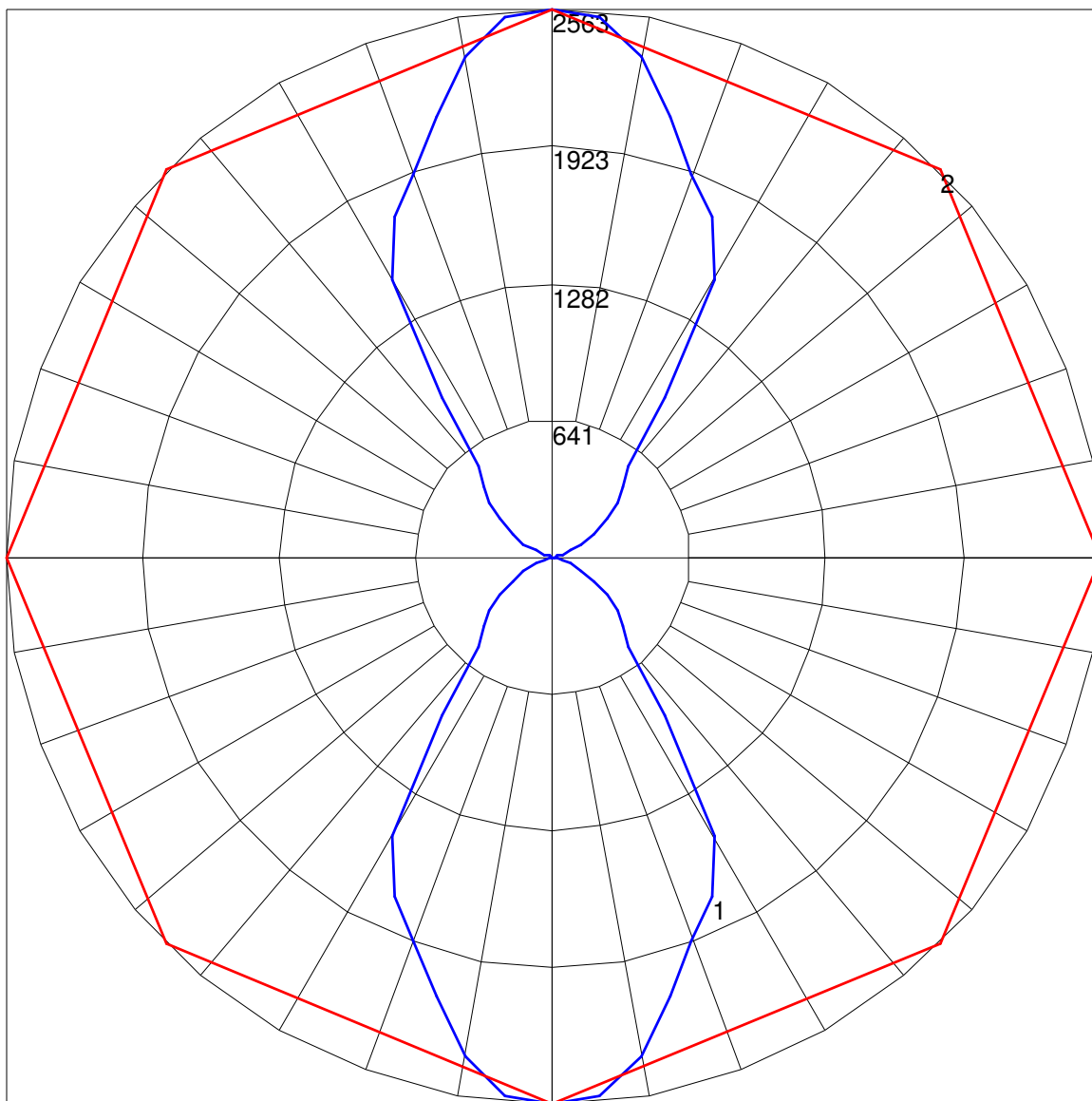
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1538.4	25.0
Downward House Side	1538.4	25.0
Downward Total	3076.8	50.0
Upward Street Side	1538.4	25.0
Upward House Side	1538.4	25.0
Upward Total	3076.8	50.0
Total Flux	6153.6	100.0

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POLAR GRAPH

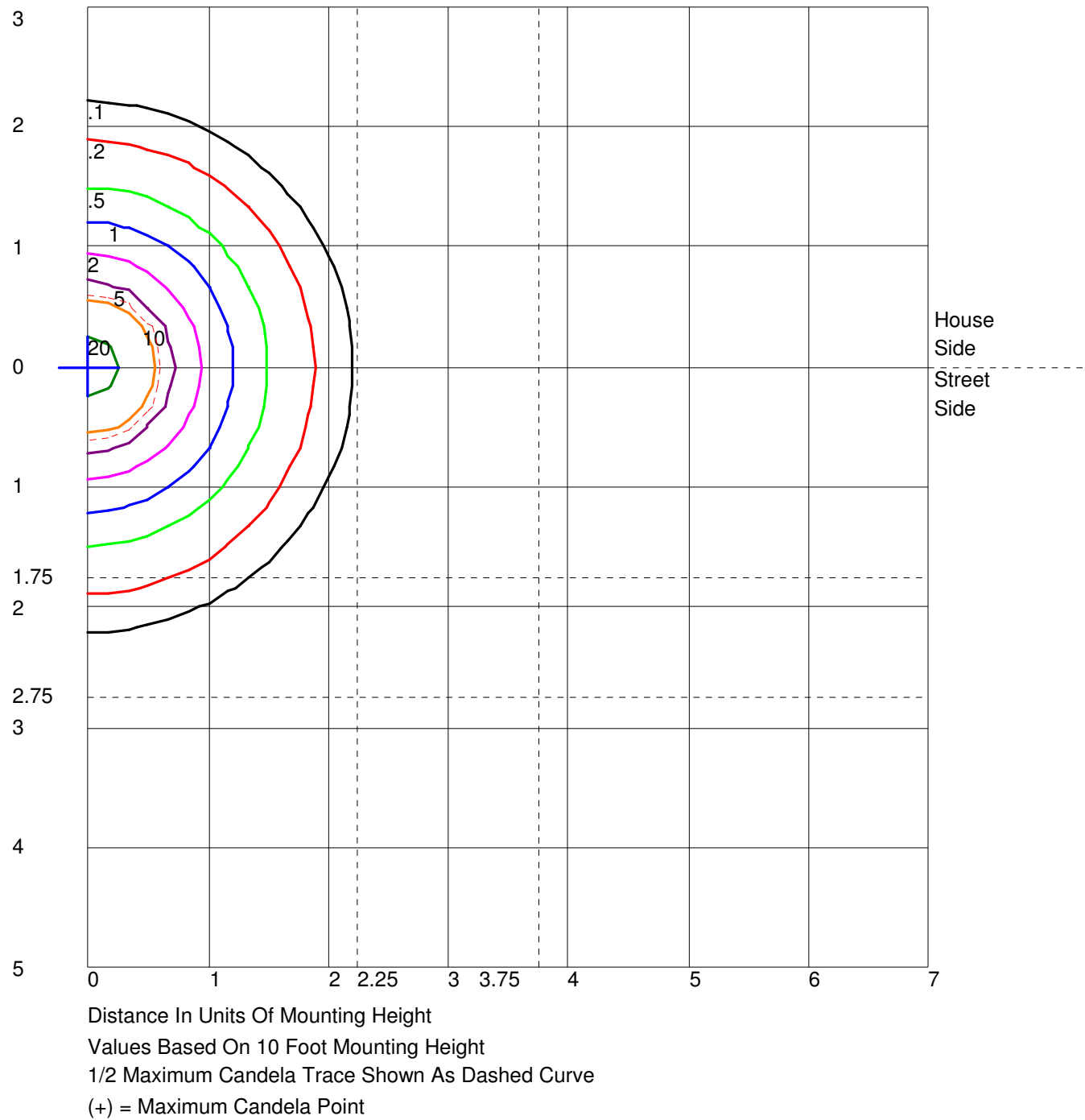


Maximum Candela = 2563.41 Located At Horizontal Angle = 360, Vertical Angle = 0

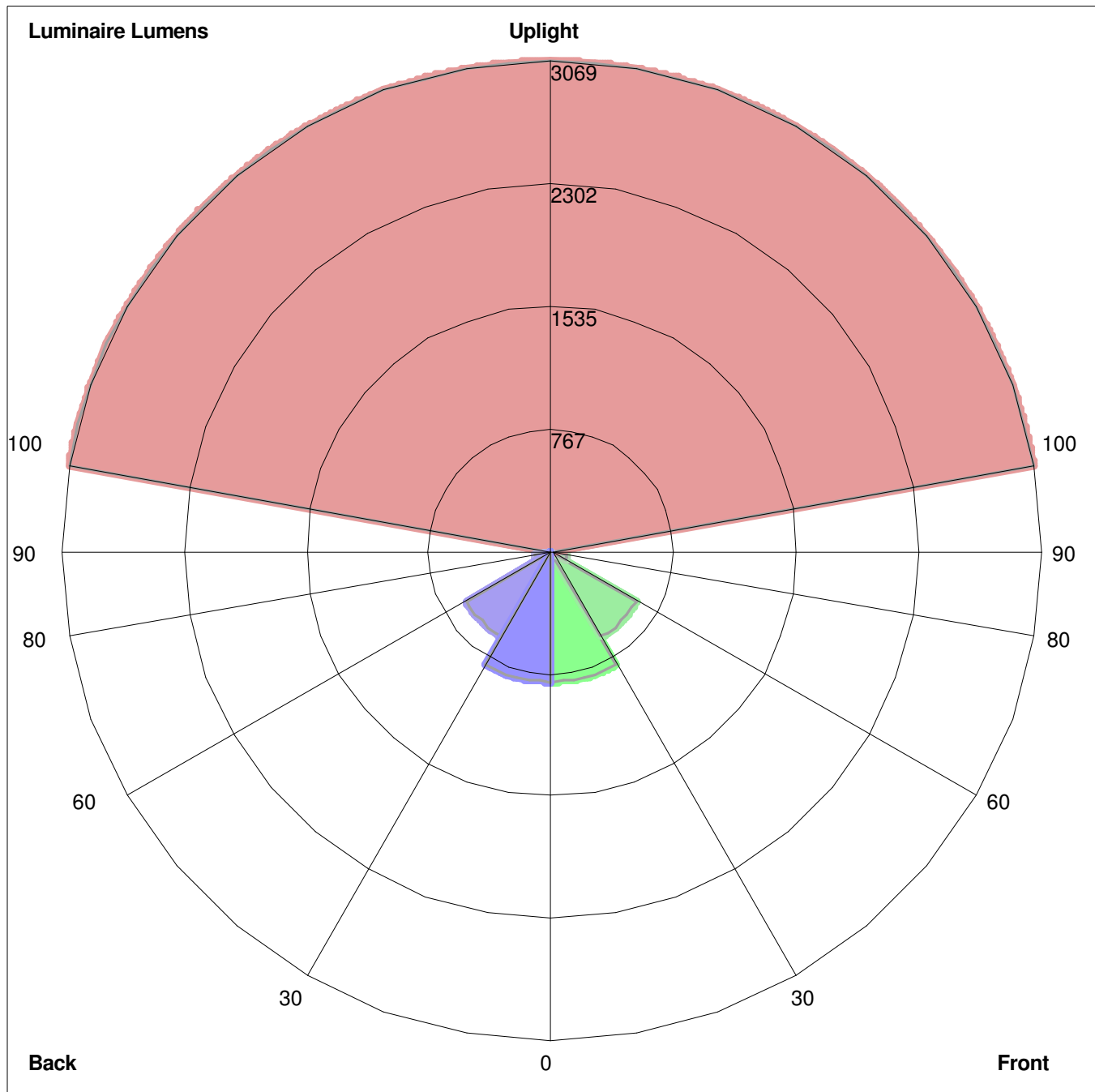
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=816.8, Medium=617.4, High=100.4, Very High=3.7
Back: Low=816.8, Medium=617.4, High=100.4, Very High=3.7
Uplight: Low=7.5, High=3069.3

BUG Rating : B2-U5-G0