

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-930U-L30-930D-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-L30-930U-L30-930D-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	5846
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2435.24
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2435.24
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.619 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.096 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L30-930U-L30-930D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	776.0	N.A.	13.3
FM - Front-Medium (30-60)	586.6	N.A.	10.0
FH - Front-High (60-80)	95.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.5	N.A.	0.1
BL - Back-Low (0-30)	776.0	N.A.	13.3
BM - Back-Medium (30-60)	586.6	N.A.	10.0
BH - Back-High (60-80)	95.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.5	N.A.	0.1
UL - Uplight-Low (90-100)	7.1	N.A.	0.1
UH - Uplight-High (100-180)	2915.8	N.A.	49.9
Total	5845.9	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	2435.240	2435.240	2435.240	2435.240	2435.240	2435.240	2435.240	2435.240	2435.240
5	2410.148	2408.822	2404.541	2408.822	2410.148	2408.822	2404.541	2408.822	2410.148
10	2259.890	2256.526	2254.361	2256.526	2259.890	2256.526	2254.361	2256.526	2259.890
15	2023.522	2029.188	2027.159	2029.188	2023.522	2029.188	2027.159	2029.188	2023.522
20	1815.532	1819.326	1819.940	1819.326	1815.532	1819.326	1819.940	1819.326	1815.532
25	1669.536	1665.157	1666.025	1665.157	1669.536	1665.157	1666.025	1665.157	1669.536
30	1432.212	1414.054	1417.798	1414.054	1432.212	1414.054	1417.798	1414.054	1432.212
35	860.708	861.235	869.143	861.235	860.708	861.235	869.143	861.235	860.708
40	523.817	529.912	533.471	529.912	523.817	529.912	533.471	529.912	523.817
45	443.188	443.617	442.368	443.617	443.188	443.617	442.368	443.617	443.188
50	369.716	369.833	368.995	369.833	369.716	369.833	368.995	369.833	369.716
55	292.851	292.481	291.106	292.481	292.851	292.481	291.106	292.481	292.851
60	212.359	211.822	210.545	211.822	212.359	211.822	210.545	211.822	212.359
65	141.647	141.257	140.711	141.257	141.647	141.257	140.711	141.257	141.647
70	84.003	84.003	83.994	84.003	84.003	84.003	83.994	84.003	84.003
75	41.573	41.660	41.690	41.660	41.573	41.660	41.690	41.660	41.573
80	14.901	15.047	15.096	15.047	14.901	15.047	15.096	15.047	14.901
85	4.808	4.817	4.778	4.817	4.808	4.817	4.778	4.817	4.808
90	1.268	1.424	1.619	1.424	1.268	1.424	1.619	1.424	1.268
95	4.808	4.817	4.778	4.817	4.808	4.817	4.778	4.817	4.808
100	14.901	15.047	15.096	15.047	14.901	15.047	15.096	15.047	14.901
105	41.573	41.660	41.690	41.660	41.573	41.660	41.690	41.660	41.573
110	84.003	84.003	83.994	84.003	84.003	84.003	83.994	84.003	84.003
115	141.647	141.257	140.711	141.257	141.647	141.257	140.711	141.257	141.647
120	212.359	211.822	210.545	211.822	212.359	211.822	210.545	211.822	212.359
125	292.851	292.481	291.106	292.481	292.851	292.481	291.106	292.481	292.851
130	369.716	369.833	368.995	369.833	369.716	369.833	368.995	369.833	369.716
135	443.188	443.617	442.368	443.617	443.188	443.617	442.368	443.617	443.188
140	523.817	529.912	533.471	529.912	523.817	529.912	533.471	529.912	523.817
145	860.708	861.235	869.143	861.235	860.708	861.235	869.143	861.235	860.708
150	1432.212	1414.054	1417.798	1414.054	1432.212	1414.054	1417.798	1414.054	1432.212
155	1669.536	1665.157	1666.025	1665.157	1669.536	1665.157	1666.025	1665.157	1669.536
160	1815.532	1819.326	1819.940	1819.326	1815.532	1819.326	1819.940	1819.326	1815.532
165	2023.522	2029.188	2027.159	2029.188	2023.522	2029.188	2027.159	2029.188	2023.522
170	2259.890	2256.526	2254.361	2256.526	2259.890	2256.526	2254.361	2256.526	2259.890
175	2410.148	2408.822	2404.541	2408.822	2410.148	2408.822	2404.541	2408.822	2410.148
180	2435.064	2435.064	2435.064	2435.064	2435.064	2435.064	2435.064	2435.064	2435.064

COEFFICIENTS OF UTILIZATION



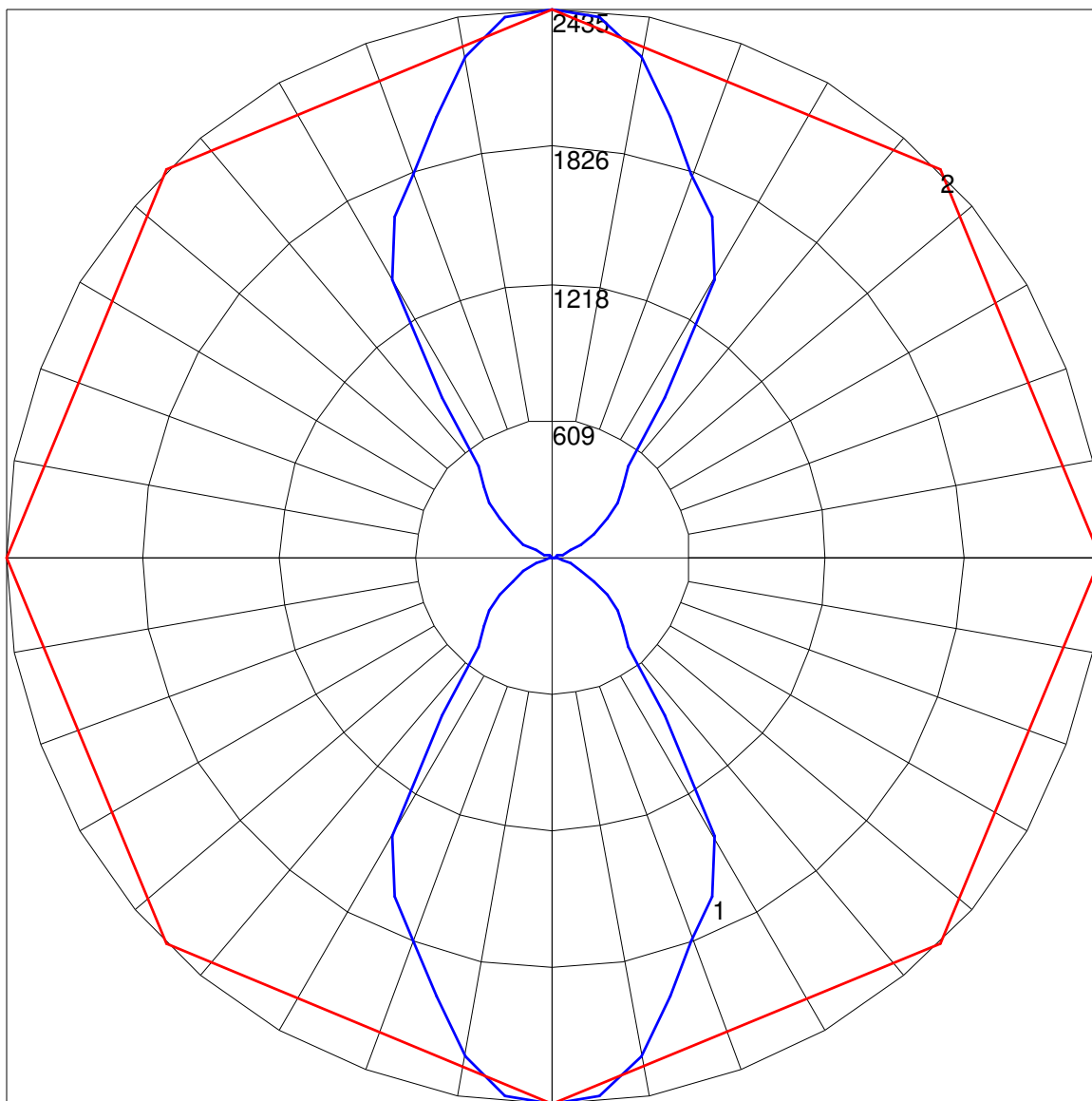
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1461.5	25.0
Downward House Side	1461.5	25.0
Downward Total	2923.0	50.0
Upward Street Side	1461.5	25.0
Upward House Side	1461.5	25.0
Upward Total	2923.0	50.0
Total Flux	5846.0	100.0

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## POLAR GRAPH



Maximum Candela = 2435.24 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.)

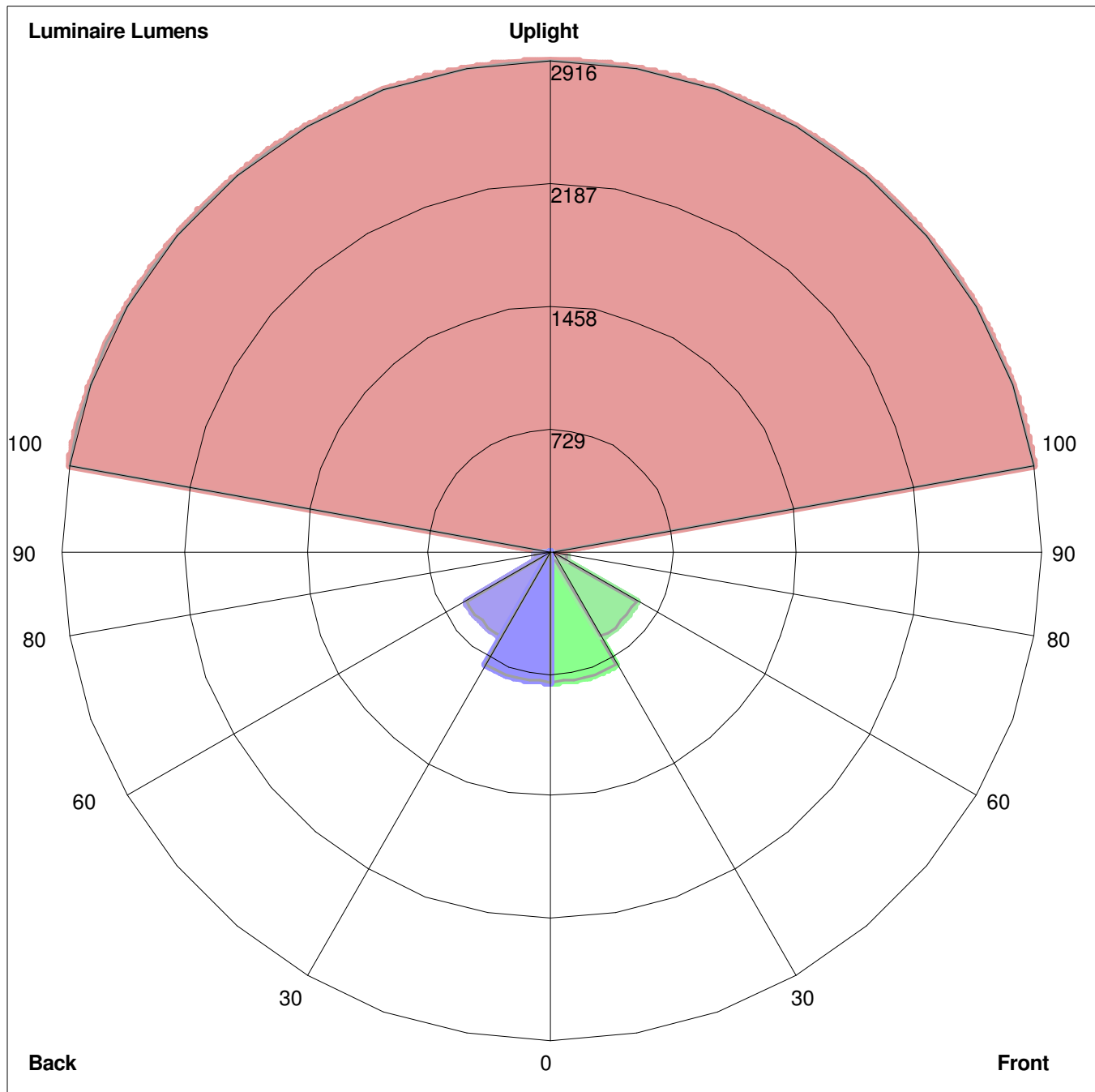
Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

1/2 Maximum Candela Trace Shown As Dashed Curve

(+) = Maximum Candela Point

LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
 Front: Low=776.0, Medium=586.6, High=95.4, Very High=3.5  
 Back: Low=776.0, Medium=586.6, High=95.4, Very High=3.5  
 Uplight: Low=7.1, High=2915.8

BUG Rating : B2-U5-G0