

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-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-L30-840U-L30-840D-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	6215
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2589.044
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2589.044
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.721 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	16.049 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L30-840U-L30-840D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	825.0	N.A.	13.3
FM - Front-Medium (30-60)	623.6	N.A.	10.0
FH - Front-High (60-80)	101.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.8	N.A.	0.1
BL - Back-Low (0-30)	825.0	N.A.	13.3
BM - Back-Medium (30-60)	623.6	N.A.	10.0
BH - Back-High (60-80)	101.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.8	N.A.	0.1
UL - Uplight-Low (90-100)	7.5	N.A.	0.1
UH - Uplight-High (100-180)	3100.0	N.A.	49.9
Total	6215.1	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	2589.044	2589.044	2589.044	2589.044	2589.044	2589.044	2589.044	2589.044	2589.044
5	2562.367	2560.957	2556.406	2560.957	2562.367	2560.957	2556.406	2560.957	2562.367
10	2402.619	2399.042	2396.741	2399.042	2402.619	2399.042	2396.741	2399.042	2402.619
15	2151.323	2157.346	2155.190	2157.346	2151.323	2157.346	2155.190	2157.346	2151.323
20	1930.197	1934.230	1934.883	1934.230	1930.197	1934.230	1934.883	1934.230	1930.197
25	1774.979	1770.324	1771.247	1770.324	1774.979	1770.324	1771.247	1770.324	1774.979
30	1522.667	1503.362	1507.343	1503.362	1522.667	1503.362	1507.343	1503.362	1522.667
35	915.068	915.628	924.036	915.628	915.068	915.628	924.036	915.628	915.068
40	556.900	563.380	567.164	563.380	556.900	563.380	567.164	563.380	556.900
45	471.178	471.634	470.307	471.634	471.178	471.634	470.307	471.634	471.178
50	393.067	393.191	392.299	393.191	393.067	393.191	392.299	393.191	393.067
55	311.347	310.953	309.491	310.953	311.347	310.953	309.491	310.953	311.347
60	225.771	225.201	223.842	225.201	225.771	225.201	223.842	225.201	225.771
65	150.593	150.179	149.598	150.179	150.593	150.179	149.598	150.179	150.593
70	89.309	89.309	89.298	89.309	89.309	89.309	89.298	89.309	89.309
75	44.198	44.292	44.323	44.292	44.198	44.292	44.323	44.292	44.198
80	15.842	15.998	16.049	15.998	15.842	15.998	16.049	15.998	15.842
85	5.111	5.122	5.080	5.122	5.111	5.122	5.080	5.122	5.111
90	1.348	1.514	1.721	1.514	1.348	1.514	1.721	1.514	1.348
95	5.111	5.122	5.080	5.122	5.111	5.122	5.080	5.122	5.111
100	15.842	15.998	16.049	15.998	15.842	15.998	16.049	15.998	15.842
105	44.198	44.292	44.323	44.292	44.198	44.292	44.323	44.292	44.198
110	89.309	89.309	89.298	89.309	89.309	89.309	89.298	89.309	89.309
115	150.593	150.179	149.598	150.179	150.593	150.179	149.598	150.179	150.593
120	225.771	225.201	223.842	225.201	225.771	225.201	223.842	225.201	225.771
125	311.347	310.953	309.491	310.953	311.347	310.953	309.491	310.953	311.347
130	393.067	393.191	392.299	393.191	393.067	393.191	392.299	393.191	393.067
135	471.178	471.634	470.307	471.634	471.178	471.634	470.307	471.634	471.178
140	556.900	563.380	567.164	563.380	556.900	563.380	567.164	563.380	556.900
145	915.068	915.628	924.036	915.628	915.068	915.628	924.036	915.628	915.068
150	1522.667	1503.362	1507.343	1503.362	1522.667	1503.362	1507.343	1503.362	1522.667
155	1774.979	1770.324	1771.247	1770.324	1774.979	1770.324	1771.247	1770.324	1774.979
160	1930.197	1934.230	1934.883	1934.230	1930.197	1934.230	1934.883	1934.230	1930.197
165	2151.323	2157.346	2155.190	2157.346	2151.323	2157.346	2155.190	2157.346	2151.323
170	2402.619	2399.042	2396.741	2399.042	2402.619	2399.042	2396.741	2399.042	2402.619
175	2562.367	2560.957	2556.406	2560.957	2562.367	2560.957	2556.406	2560.957	2562.367
180	2588.857	2588.857	2588.857	2588.857	2588.857	2588.857	2588.857	2588.857	2588.857

COEFFICIENTS OF UTILIZATION



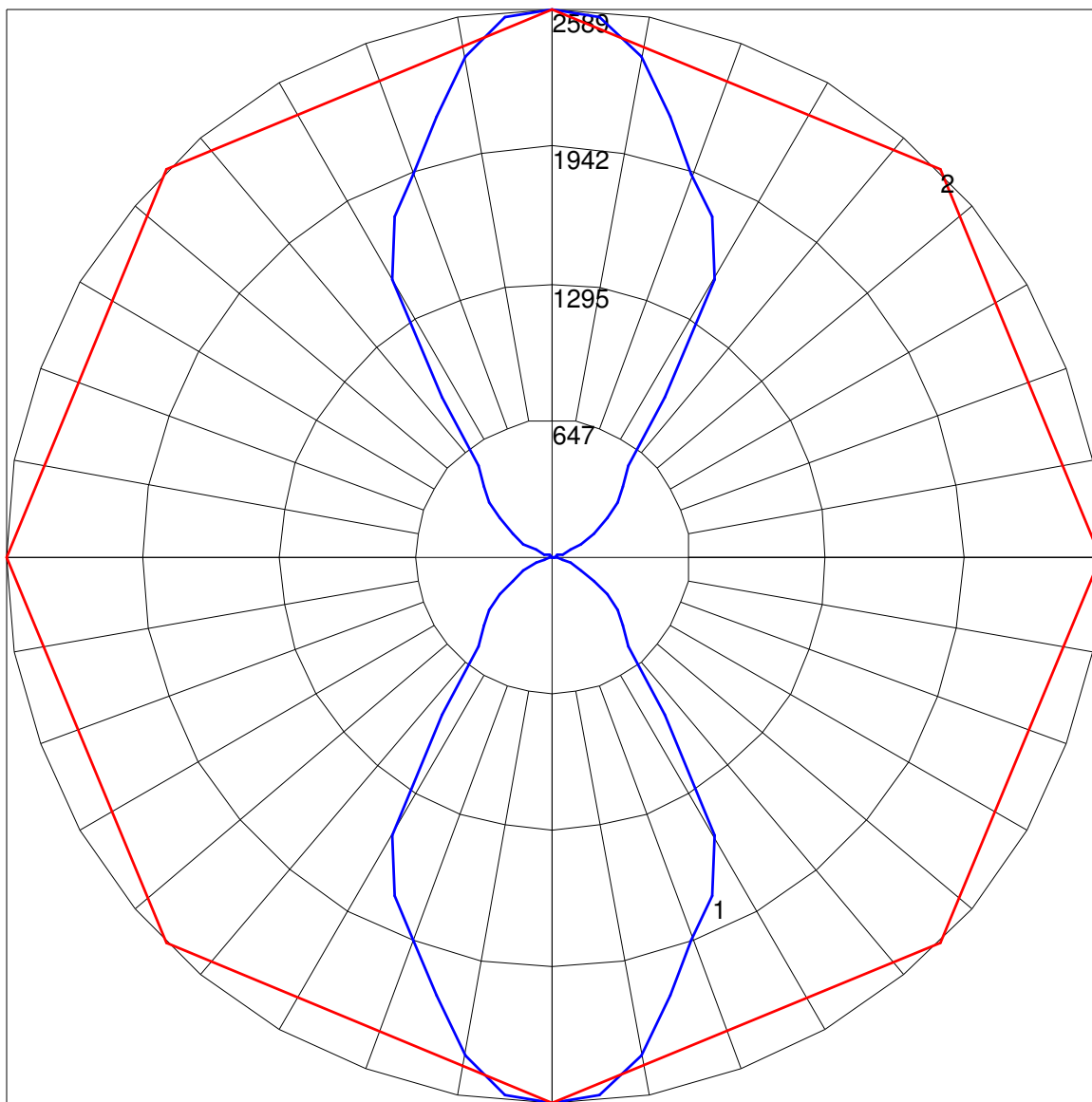
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1553.8	25.0
Downward House Side	1553.8	25.0
Downward Total	3107.6	50.0
Upward Street Side	1553.8	25.0
Upward House Side	1553.8	25.0
Upward Total	3107.6	50.0
Total Flux	6215.2	100.0

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## POLAR GRAPH



Maximum Candela = 2589.044 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.)

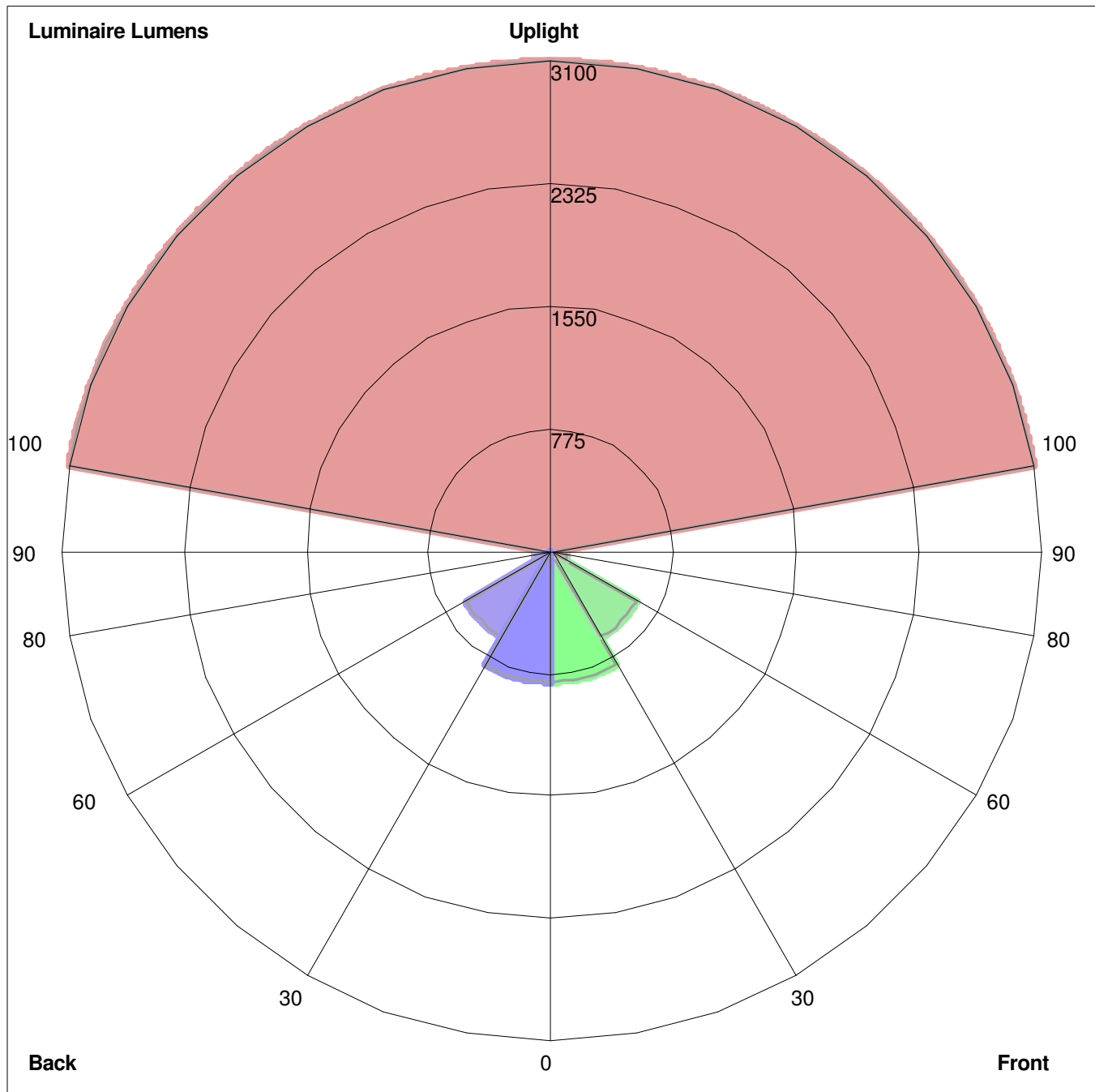
Distance In Units Of Mounting Height

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=825.0, Medium=623.6, High=101.4, Very High=3.8  
Back: Low=825.0, Medium=623.6, High=101.4, Very High=3.8  
Uplight: Low=7.5, High= 3100.0

BUG Rating : B2-U5-G0