

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-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-L20-830U-L20-830D-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	4338
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1806.967
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1806.967
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.201 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	11.201 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-830U-L20-830D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	575.8	N.A.	13.3
FM - Front-Medium (30-60)	435.2	N.A.	10.0
FH - Front-High (60-80)	70.8	N.A.	1.6
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	575.8	N.A.	13.3
BM - Back-Medium (30-60)	435.2	N.A.	10.0
BH - Back-High (60-80)	70.8	N.A.	1.6
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	5.3	N.A.	0.1
UH - Uplight-High (100-180)	2163.6	N.A.	49.9
Total	4337.7	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	1806.967	1806.967	1806.967	1806.967	1806.967	1806.967	1806.967	1806.967	1806.967
5	1788.349	1787.365	1784.188	1787.365	1788.349	1787.365	1784.188	1787.365	1788.349
10	1676.856	1674.359	1672.753	1674.359	1676.856	1674.359	1672.753	1674.359	1676.856
15	1501.469	1505.673	1504.168	1505.673	1501.469	1505.673	1504.168	1505.673	1501.469
20	1347.139	1349.954	1350.410	1349.954	1347.139	1349.954	1350.410	1349.954	1347.139
25	1238.808	1235.559	1236.203	1235.559	1238.808	1235.559	1236.203	1235.559	1238.808
30	1062.712	1049.239	1052.017	1049.239	1062.712	1049.239	1052.017	1049.239	1062.712
35	638.652	639.043	644.911	639.043	638.652	639.043	644.911	639.043	638.652
40	388.676	393.199	395.840	393.199	388.676	393.199	395.840	393.199	388.676
45	328.849	329.167	328.241	329.167	328.849	329.167	328.241	329.167	328.849
50	274.332	274.419	273.797	274.419	274.332	274.419	273.797	274.419	274.332
55	217.298	217.023	216.003	217.023	217.298	217.023	216.003	217.023	217.298
60	157.572	157.174	156.226	157.174	157.572	157.174	156.226	157.174	157.572
65	105.103	104.814	104.409	104.814	105.103	104.814	104.409	104.814	105.103
70	62.331	62.331	62.324	62.331	62.331	62.331	62.324	62.331	62.331
75	30.847	30.912	30.934	30.912	30.847	30.912	30.934	30.912	30.847
80	11.057	11.165	11.201	11.165	11.057	11.165	11.201	11.165	11.057
85	3.567	3.575	3.546	3.575	3.567	3.575	3.546	3.575	3.567
90	0.941	1.056	1.201	1.056	0.941	1.056	1.201	1.056	0.941
95	3.567	3.575	3.546	3.575	3.567	3.575	3.546	3.575	3.567
100	11.057	11.165	11.201	11.165	11.057	11.165	11.201	11.165	11.057
105	30.847	30.912	30.934	30.912	30.847	30.912	30.934	30.912	30.847
110	62.331	62.331	62.324	62.331	62.331	62.331	62.324	62.331	62.331
115	105.103	104.814	104.409	104.814	105.103	104.814	104.409	104.814	105.103
120	157.572	157.174	156.226	157.174	157.572	157.174	156.226	157.174	157.572
125	217.298	217.023	216.003	217.023	217.298	217.023	216.003	217.023	217.298
130	274.332	274.419	273.797	274.419	274.332	274.419	273.797	274.419	274.332
135	328.849	329.167	328.241	329.167	328.849	329.167	328.241	329.167	328.849
140	388.676	393.199	395.840	393.199	388.676	393.199	395.840	393.199	388.676
145	638.652	639.043	644.911	639.043	638.652	639.043	644.911	639.043	638.652
150	1062.712	1049.239	1052.017	1049.239	1062.712	1049.239	1052.017	1049.239	1062.712
155	1238.808	1235.559	1236.203	1235.559	1238.808	1235.559	1236.203	1235.559	1238.808
160	1347.139	1349.954	1350.410	1349.954	1347.139	1349.954	1350.410	1349.954	1347.139
165	1501.469	1505.673	1504.168	1505.673	1501.469	1505.673	1504.168	1505.673	1501.469
170	1676.856	1674.359	1672.753	1674.359	1676.856	1674.359	1672.753	1674.359	1676.856
175	1788.349	1787.365	1784.188	1787.365	1788.349	1787.365	1784.188	1787.365	1788.349
180	1806.837	1806.837	1806.837	1806.837	1806.837	1806.837	1806.837	1806.837	1806.837

COEFFICIENTS OF UTILIZATION



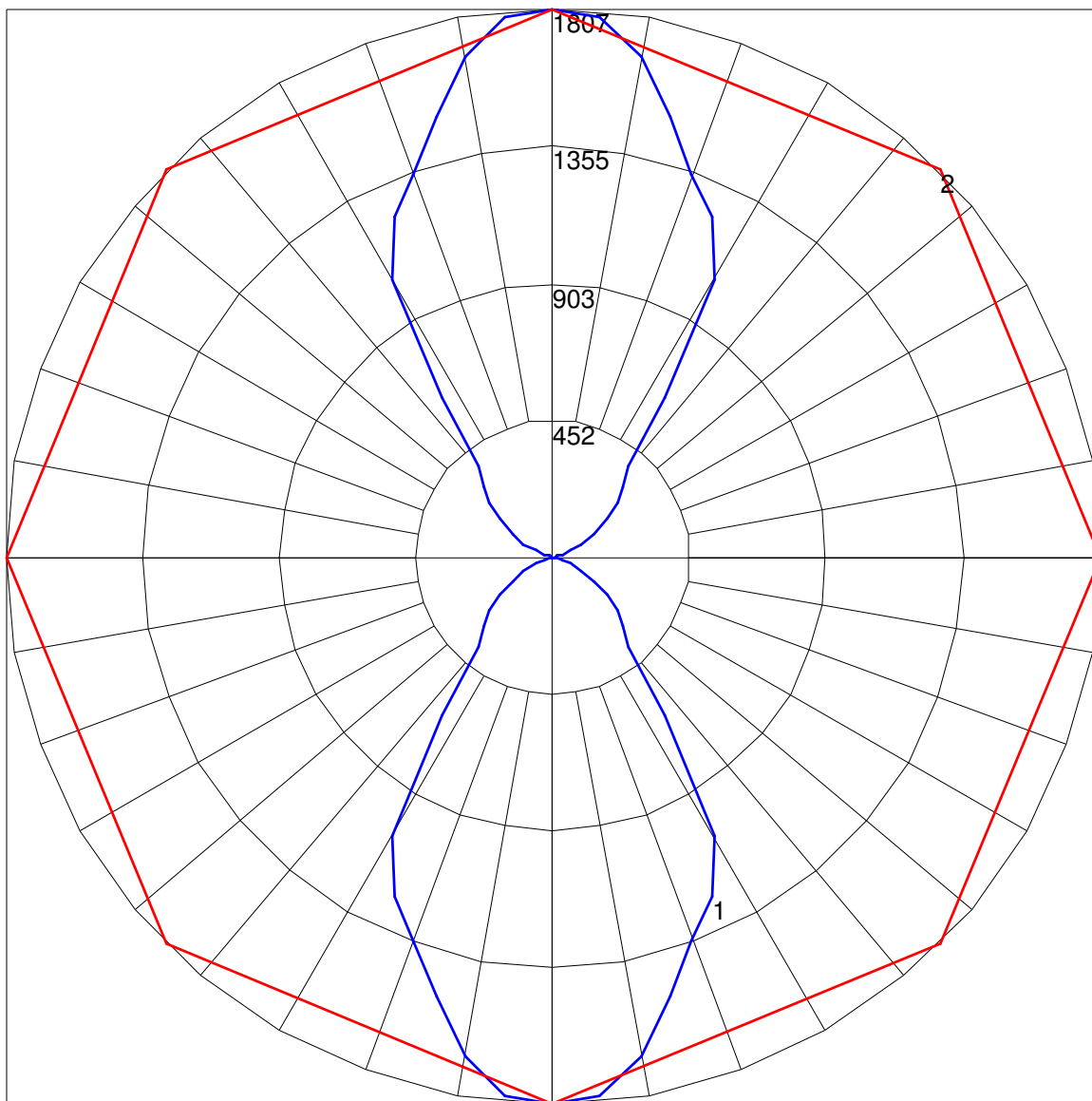
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1084.4	25.0
Downward House Side	1084.4	25.0
Downward Total	2168.8	50.0
Upward Street Side	1084.4	25.0
Upward House Side	1084.4	25.0
Upward Total	2168.8	50.0
Total Flux	4337.6	100.0

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POLAR GRAPH



Maximum Candela = 1806.967 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.)

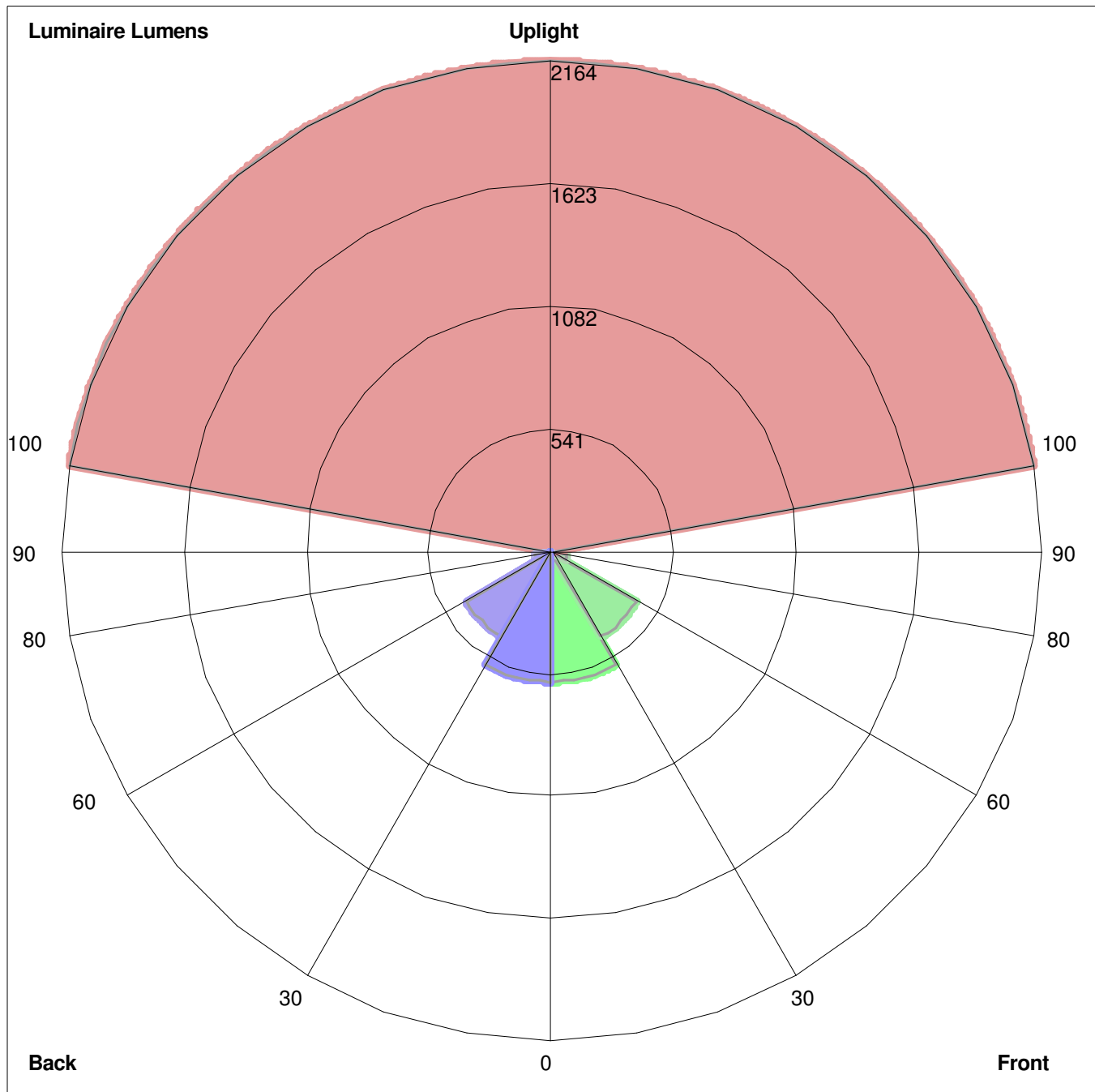
Distance In Units Of Mounting Height

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=575.8, Medium=435.2, High=70.8, Very High=2.6
Back: Low=575.8, Medium=435.2, High=70.8, Very High=2.6
Uplight: Low=5.3, High=2163.6

BUG Rating : B2-U5-G0