

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-927U-L20-927D-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-L20-927U-L20-927D-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	4034
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1680.479
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1680.479
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.117 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.417 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L20-927U-L20-927D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	535.5	N.A.	13.3
FM - Front-Medium (30-60)	404.8	N.A.	10.0
FH - Front-High (60-80)	65.8	N.A.	1.6
FVH - Front-Very High (80-90)	2.4	N.A.	0.1
BL - Back-Low (0-30)	535.5	N.A.	13.3
BM - Back-Medium (30-60)	404.8	N.A.	10.0
BH - Back-High (60-80)	65.8	N.A.	1.6
BVH - Back-Very High (80-90)	2.4	N.A.	0.1
UL - Uplight-Low (90-100)	4.9	N.A.	0.1
UH - Uplight-High (100-180)	2012.1	N.A.	49.9
Total	4034.0	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	1680.479	1680.479	1680.479	1680.479	1680.479	1680.479	1680.479	1680.479	1680.479
5	1663.164	1662.249	1659.295	1662.249	1663.164	1662.249	1659.295	1662.249	1663.164
10	1559.476	1557.154	1555.660	1557.154	1559.476	1557.154	1555.660	1557.154	1559.476
15	1396.366	1400.276	1398.876	1400.276	1396.366	1400.276	1398.876	1400.276	1396.366
20	1252.839	1255.457	1255.881	1255.457	1252.839	1255.457	1255.881	1255.457	1252.839
25	1152.092	1149.070	1149.669	1149.070	1152.092	1149.070	1149.669	1149.070	1152.092
30	988.322	975.792	978.376	975.792	988.322	975.792	978.376	975.792	988.322
35	593.946	594.310	599.767	594.310	593.946	594.310	599.767	594.310	593.946
40	361.469	365.675	368.131	365.675	361.469	365.675	368.131	365.675	361.469
45	305.829	306.125	305.264	306.125	305.829	306.125	305.264	306.125	305.829
50	255.129	255.210	254.631	255.210	255.129	255.210	254.631	255.210	255.129
55	202.087	201.831	200.883	201.831	202.087	201.831	200.883	201.831	202.087
60	146.542	146.172	145.290	146.172	146.542	146.172	145.290	146.172	146.542
65	97.746	97.477	97.100	97.477	97.746	97.477	97.100	97.477	97.746
70	57.968	57.968	57.961	57.968	57.968	57.968	57.961	57.968	57.968
75	28.688	28.748	28.769	28.748	28.688	28.748	28.769	28.748	28.688
80	10.283	10.384	10.417	10.384	10.283	10.384	10.417	10.384	10.283
85	3.318	3.324	3.297	3.324	3.318	3.324	3.297	3.324	3.318
90	0.875	0.983	1.117	0.983	0.875	0.983	1.117	0.983	0.875
95	3.318	3.324	3.297	3.324	3.318	3.324	3.297	3.324	3.318
100	10.283	10.384	10.417	10.384	10.283	10.384	10.417	10.384	10.283
105	28.688	28.748	28.769	28.748	28.688	28.748	28.769	28.748	28.688
110	57.968	57.968	57.961	57.968	57.968	57.968	57.961	57.968	57.968
115	97.746	97.477	97.100	97.477	97.746	97.477	97.100	97.477	97.746
120	146.542	146.172	145.290	146.172	146.542	146.172	145.290	146.172	146.542
125	202.087	201.831	200.883	201.831	202.087	201.831	200.883	201.831	202.087
130	255.129	255.210	254.631	255.210	255.129	255.210	254.631	255.210	255.129
135	305.829	306.125	305.264	306.125	305.829	306.125	305.264	306.125	305.829
140	361.469	365.675	368.131	365.675	361.469	365.675	368.131	365.675	361.469
145	593.946	594.310	599.767	594.310	593.946	594.310	599.767	594.310	593.946
150	988.322	975.792	978.376	975.792	988.322	975.792	978.376	975.792	988.322
155	1152.092	1149.070	1149.669	1149.070	1152.092	1149.070	1149.669	1149.070	1152.092
160	1252.839	1255.457	1255.881	1255.457	1252.839	1255.457	1255.881	1255.457	1252.839
165	1396.366	1400.276	1398.876	1400.276	1396.366	1400.276	1398.876	1400.276	1396.366
170	1559.476	1557.154	1555.660	1557.154	1559.476	1557.154	1555.660	1557.154	1559.476
175	1663.164	1662.249	1659.295	1662.249	1663.164	1662.249	1659.295	1662.249	1663.164
180	1680.358	1680.358	1680.358	1680.358	1680.358	1680.358	1680.358	1680.358	1680.358

COEFFICIENTS OF UTILIZATION



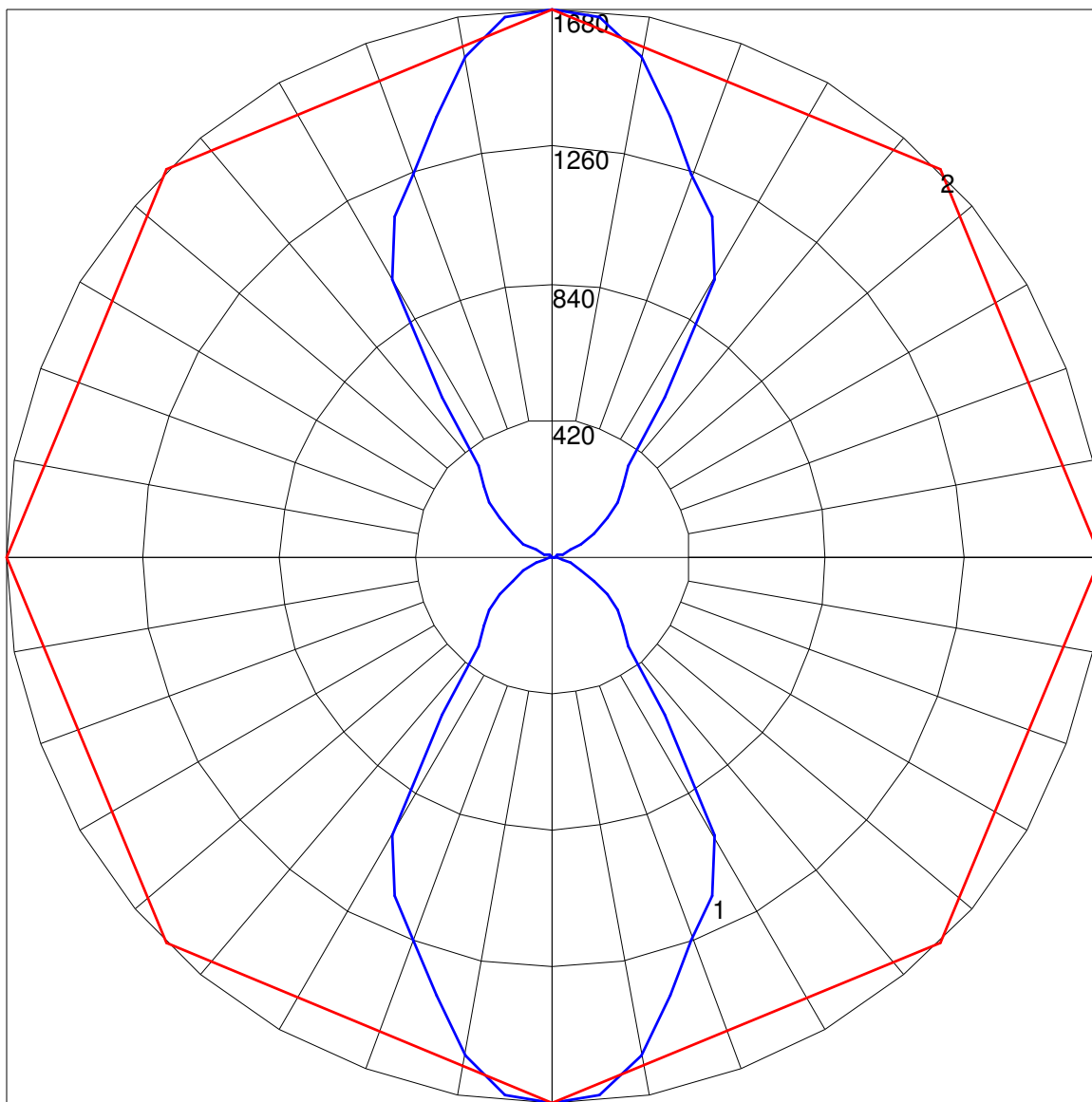
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1008.5	25.0
Downward House Side	1008.5	25.0
Downward Total	2017.0	50.0
Upward Street Side	1008.5	25.0
Upward House Side	1008.5	25.0
Upward Total	2017.0	50.0
Total Flux	4034.0	100.0

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## POLAR GRAPH



Maximum Candela = 1680.479 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.)

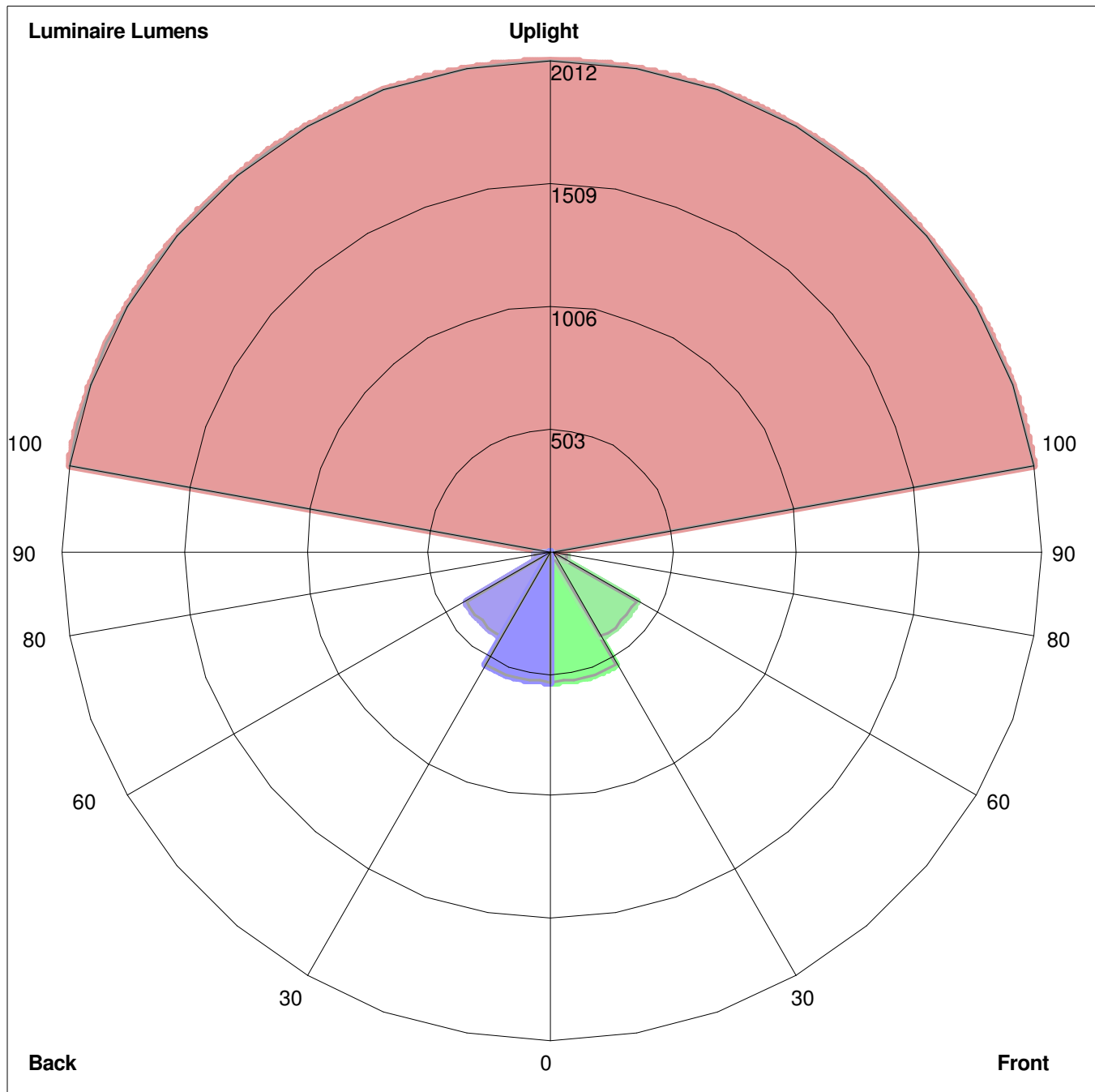
Distance In Units Of Mounting Height

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=535.5, Medium=404.8, High=65.8, Very High=2.4  
Back: Low=535.5, Medium=404.8, High=65.8, Very High=2.4  
Uplight: Low=4.9, High=2012.1

BUG Rating : B2-U5-G0