

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-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-L20-940U-L20-940D-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	4208
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1752.758
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1752.758
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.165 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.865 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-940U-L20-940D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	558.5	N.A.	13.3
FM - Front-Medium (30-60)	422.2	N.A.	10.0
FH - Front-High (60-80)	68.7	N.A.	1.6
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	558.5	N.A.	13.3
BM - Back-Medium (30-60)	422.2	N.A.	10.0
BH - Back-High (60-80)	68.7	N.A.	1.6
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	5.1	N.A.	0.1
UH - Uplight-High (100-180)	2098.7	N.A.	49.9
Total	4207.8	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	1752.758	1752.758	1752.758	1752.758	1752.758	1752.758	1752.758	1752.758	1752.758
5	1734.698	1733.744	1730.662	1733.744	1734.698	1733.744	1730.662	1733.744	1734.698
10	1626.550	1624.129	1622.570	1624.129	1626.550	1624.129	1622.570	1624.129	1626.550
15	1456.425	1460.503	1459.043	1460.503	1456.425	1460.503	1459.043	1460.503	1456.425
20	1306.725	1309.455	1309.897	1309.455	1306.725	1309.455	1309.897	1309.455	1306.725
25	1201.644	1198.493	1199.117	1198.493	1201.644	1198.493	1199.117	1198.493	1201.644
30	1030.831	1017.762	1020.457	1017.762	1030.831	1017.762	1020.457	1017.762	1030.831
35	619.492	619.871	625.564	619.871	619.492	619.871	625.564	619.871	619.492
40	377.016	381.403	383.965	381.403	377.016	381.403	383.965	381.403	377.016
45	318.983	319.292	318.394	319.292	318.983	319.292	318.394	319.292	318.983
50	266.102	266.187	265.583	266.187	266.102	266.187	265.583	266.187	266.102
55	210.779	210.512	209.523	210.512	210.779	210.512	209.523	210.512	210.779
60	152.845	152.459	151.539	152.459	152.845	152.459	151.539	152.459	152.845
65	101.950	101.669	101.276	101.669	101.950	101.669	101.276	101.669	101.950
70	60.461	60.461	60.454	60.461	60.461	60.461	60.454	60.461	60.461
75	29.922	29.985	30.006	29.985	29.922	29.985	30.006	29.985	29.922
80	10.725	10.830	10.865	10.830	10.725	10.830	10.865	10.830	10.725
85	3.460	3.467	3.439	3.467	3.460	3.467	3.439	3.467	3.460
90	0.912	1.025	1.165	1.025	0.912	1.025	1.165	1.025	0.912
95	3.460	3.467	3.439	3.467	3.460	3.467	3.439	3.467	3.460
100	10.725	10.830	10.865	10.830	10.725	10.830	10.865	10.830	10.725
105	29.922	29.985	30.006	29.985	29.922	29.985	30.006	29.985	29.922
110	60.461	60.461	60.454	60.461	60.461	60.461	60.454	60.461	60.461
115	101.950	101.669	101.276	101.669	101.950	101.669	101.276	101.669	101.950
120	152.845	152.459	151.539	152.459	152.845	152.459	151.539	152.459	152.845
125	210.779	210.512	209.523	210.512	210.779	210.512	209.523	210.512	210.779
130	266.102	266.187	265.583	266.187	266.102	266.187	265.583	266.187	266.102
135	318.983	319.292	318.394	319.292	318.983	319.292	318.394	319.292	318.983
140	377.016	381.403	383.965	381.403	377.016	381.403	383.965	381.403	377.016
145	619.492	619.871	625.564	619.871	619.492	619.871	625.564	619.871	619.492
150	1030.831	1017.762	1020.457	1017.762	1030.831	1017.762	1020.457	1017.762	1030.831
155	1201.644	1198.493	1199.117	1198.493	1201.644	1198.493	1199.117	1198.493	1201.644
160	1306.725	1309.455	1309.897	1309.455	1306.725	1309.455	1309.897	1309.455	1306.725
165	1456.425	1460.503	1459.043	1460.503	1456.425	1460.503	1459.043	1460.503	1456.425
170	1626.550	1624.129	1622.570	1624.129	1626.550	1624.129	1622.570	1624.129	1626.550
175	1734.698	1733.744	1730.662	1733.744	1734.698	1733.744	1730.662	1733.744	1734.698
180	1752.632	1752.632	1752.632	1752.632	1752.632	1752.632	1752.632	1752.632	1752.632

COEFFICIENTS OF UTILIZATION



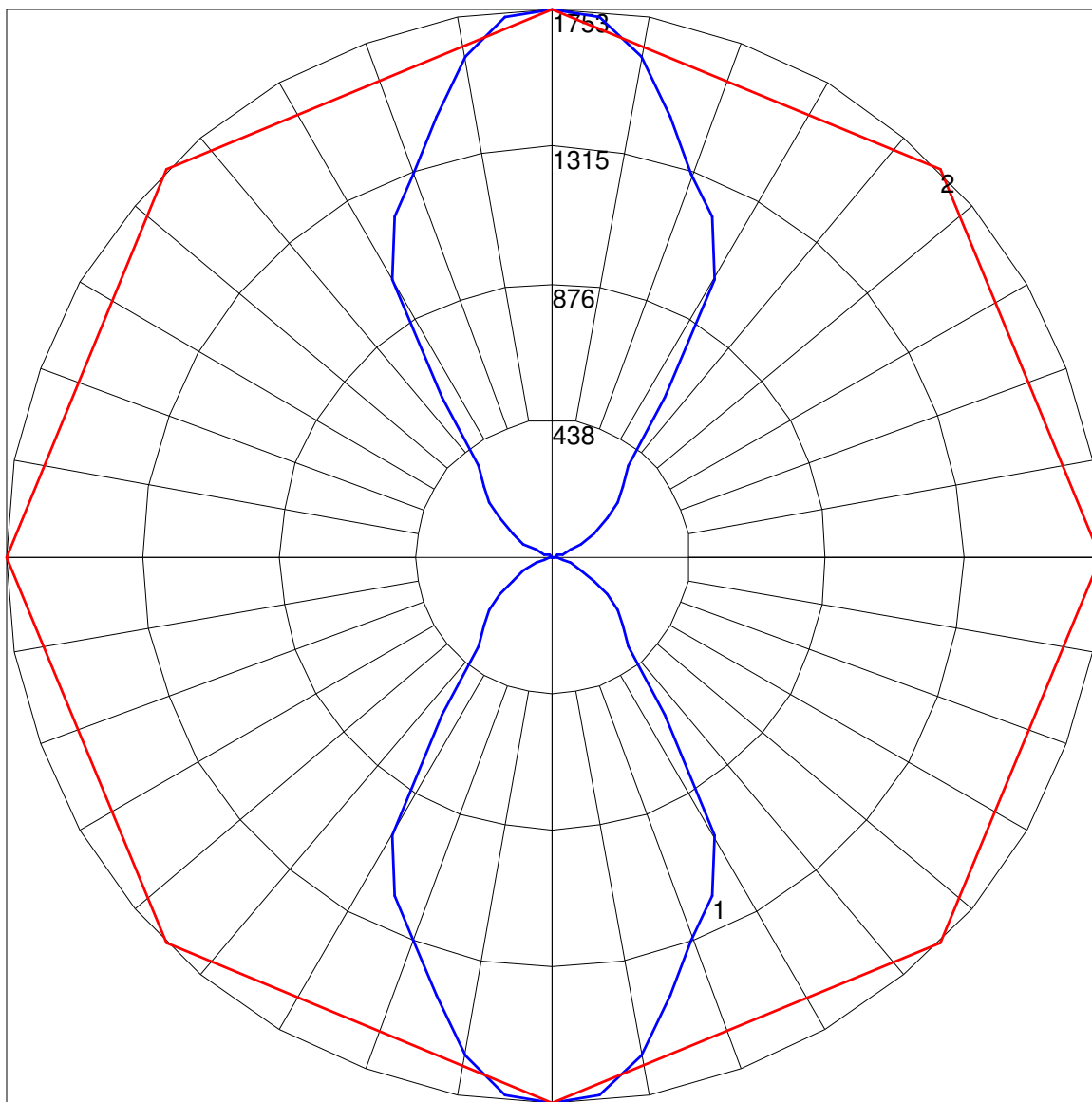
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1051.9	25.0
Downward House Side	1051.9	25.0
Downward Total	2103.8	50.0
Upward Street Side	1051.9	25.0
Upward House Side	1051.9	25.0
Upward Total	2103.8	50.0
Total Flux	4207.6	100.0

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POLAR GRAPH



Maximum Candela = 1752.758 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.)

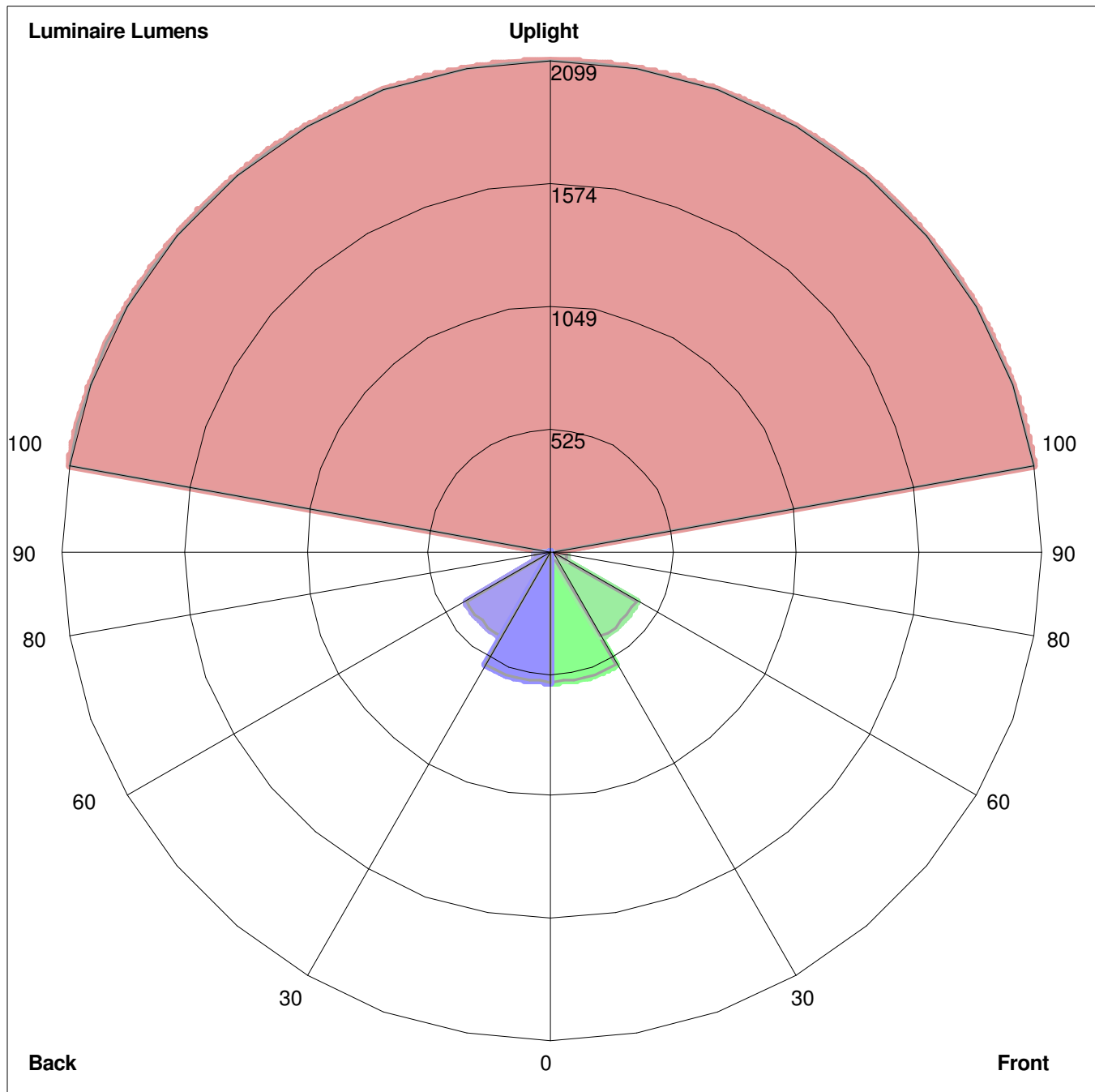
Distance In Units Of Mounting Height

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=558.5, Medium=422.2, High=68.7, Very High=2.6
Back: Low=558.5, Medium=422.2, High=68.7, Very High=2.6
Uplight: Low=5.1, High=2098.7

BUG Rating : B2-U5-G0