

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-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-L20-930U-L20-930D-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	4121
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1716.619
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1716.619
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.141 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	10.641 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-930U-L20-930D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	547.0	N.A.	13.3
FM - Front-Medium (30-60)	413.5	N.A.	10.0
FH - Front-High (60-80)	67.3	N.A.	1.6
FVH - Front-Very High (80-90)	2.5	N.A.	0.1
BL - Back-Low (0-30)	547.0	N.A.	13.3
BM - Back-Medium (30-60)	413.5	N.A.	10.0
BH - Back-High (60-80)	67.3	N.A.	1.6
BVH - Back-Very High (80-90)	2.5	N.A.	0.1
UL - Uplight-Low (90-100)	5.0	N.A.	0.1
UH - Uplight-High (100-180)	2055.4	N.A.	49.9
Total	4121.0	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	1716.619	1716.619	1716.619	1716.619	1716.619	1716.619	1716.619	1716.619	1716.619
5	1698.931	1697.996	1694.979	1697.996	1698.931	1697.996	1694.979	1697.996	1698.931
10	1593.013	1590.642	1589.115	1590.642	1593.013	1590.642	1589.115	1590.642	1593.013
15	1426.396	1430.390	1428.960	1430.390	1426.396	1430.390	1428.960	1430.390	1426.396
20	1279.782	1282.456	1282.889	1282.456	1279.782	1282.456	1282.889	1282.456	1279.782
25	1176.868	1173.781	1174.393	1173.781	1176.868	1173.781	1174.393	1173.781	1176.868
30	1009.577	996.777	999.417	996.777	1009.577	996.777	999.417	996.777	1009.577
35	606.719	607.091	612.666	607.091	606.719	607.091	612.666	607.091	606.719
40	369.242	373.539	376.048	373.539	369.242	373.539	376.048	373.539	369.242
45	312.406	312.709	311.829	312.709	312.406	312.709	311.829	312.709	312.406
50	260.616	260.698	260.107	260.698	260.616	260.698	260.107	260.698	260.616
55	206.433	206.172	205.203	206.172	206.433	206.172	205.203	206.172	206.433
60	149.693	149.315	148.415	149.315	149.693	149.315	148.415	149.315	149.693
65	99.848	99.573	99.188	99.573	99.848	99.573	99.188	99.573	99.848
70	59.215	59.215	59.208	59.215	59.215	59.215	59.208	59.215	59.215
75	29.305	29.367	29.387	29.367	29.305	29.367	29.387	29.367	29.305
80	10.504	10.607	10.641	10.607	10.504	10.607	10.641	10.607	10.504
85	3.389	3.396	3.368	3.396	3.389	3.396	3.368	3.396	3.389
90	0.894	1.004	1.141	1.004	0.894	1.004	1.141	1.004	0.894
95	3.389	3.396	3.368	3.396	3.389	3.396	3.368	3.396	3.389
100	10.504	10.607	10.641	10.607	10.504	10.607	10.641	10.607	10.504
105	29.305	29.367	29.387	29.367	29.305	29.367	29.387	29.367	29.305
110	59.215	59.215	59.208	59.215	59.215	59.215	59.208	59.215	59.215
115	99.848	99.573	99.188	99.573	99.848	99.573	99.188	99.573	99.848
120	149.693	149.315	148.415	149.315	149.693	149.315	148.415	149.315	149.693
125	206.433	206.172	205.203	206.172	206.433	206.172	205.203	206.172	206.433
130	260.616	260.698	260.107	260.698	260.616	260.698	260.107	260.698	260.616
135	312.406	312.709	311.829	312.709	312.406	312.709	311.829	312.709	312.406
140	369.242	373.539	376.048	373.539	369.242	373.539	376.048	373.539	369.242
145	606.719	607.091	612.666	607.091	606.719	607.091	612.666	607.091	606.719
150	1009.577	996.777	999.417	996.777	1009.577	996.777	999.417	996.777	1009.577
155	1176.868	1173.781	1174.393	1173.781	1176.868	1173.781	1174.393	1173.781	1176.868
160	1279.782	1282.456	1282.889	1282.456	1279.782	1282.456	1282.889	1282.456	1279.782
165	1426.396	1430.390	1428.960	1430.390	1426.396	1430.390	1428.960	1430.390	1426.396
170	1593.013	1590.642	1589.115	1590.642	1593.013	1590.642	1589.115	1590.642	1593.013
175	1698.931	1697.996	1694.979	1697.996	1698.931	1697.996	1694.979	1697.996	1698.931
180	1716.495	1716.495	1716.495	1716.495	1716.495	1716.495	1716.495	1716.495	1716.495

COEFFICIENTS OF UTILIZATION



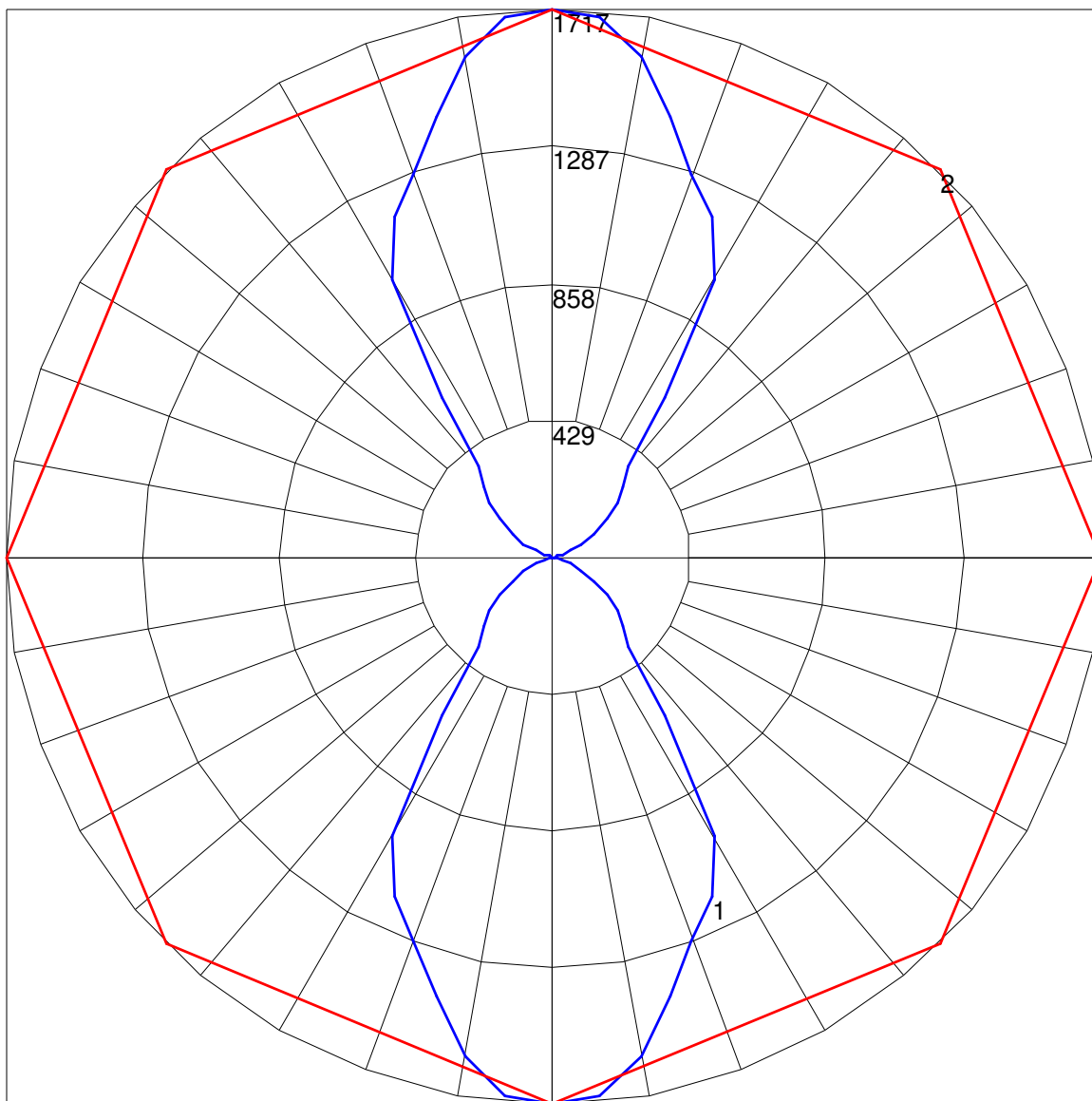
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1030.2	25.0
Downward House Side	1030.2	25.0
Downward Total	2060.4	50.0
Upward Street Side	1030.2	25.0
Upward House Side	1030.2	25.0
Upward Total	2060.4	50.0
Total Flux	4120.8	100.0

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POLAR GRAPH



Maximum Candela = 1716.619 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.)

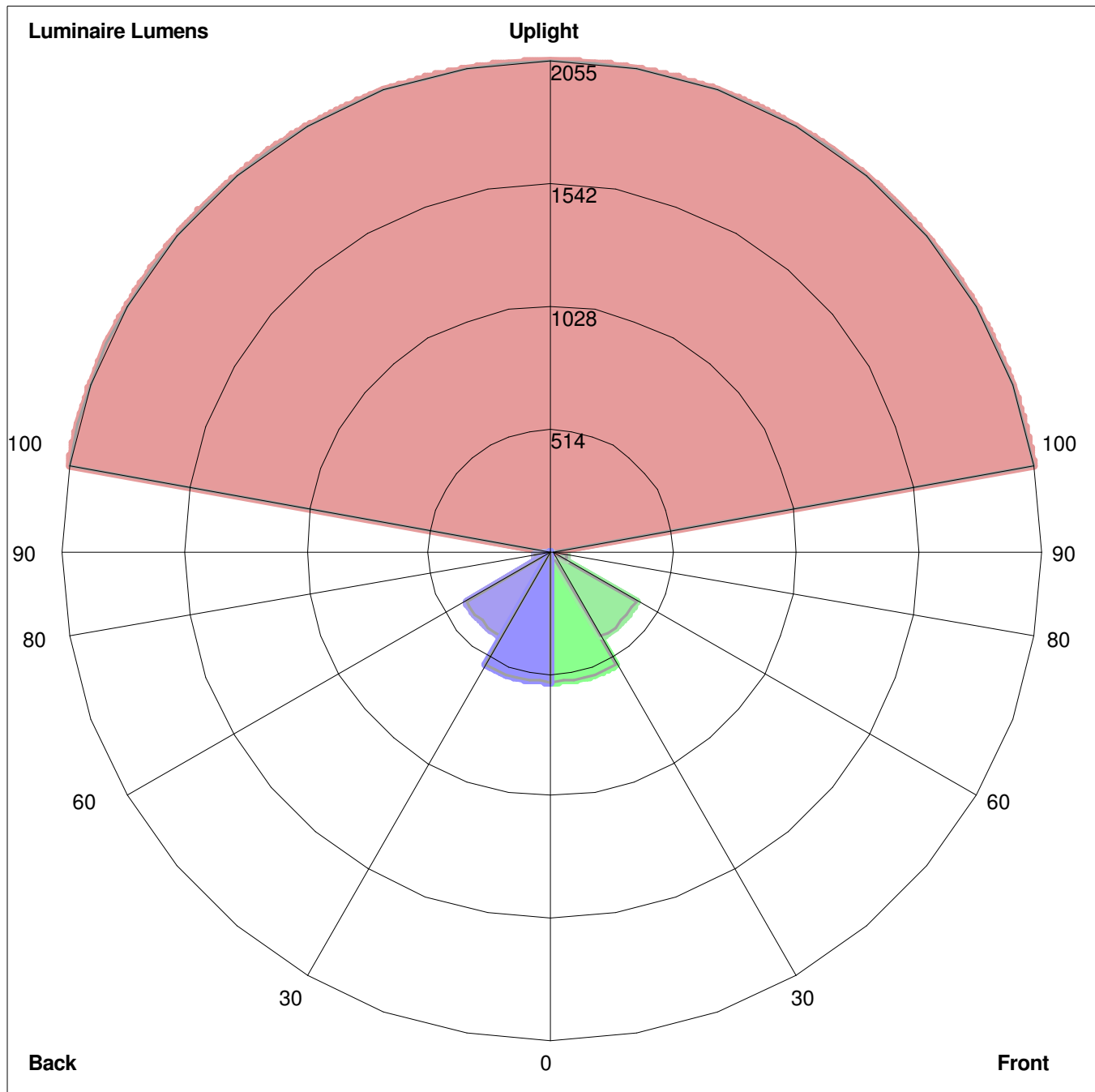
Distance In Units Of Mounting Height

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=547.0, Medium=413.5, High=67.3, Very High=2.5
Back: Low=547.0, Medium=413.5, High=67.3, Very High=2.5
Uplight: Low=5.0, High=2055.4

BUG Rating : B2-U5-G0