

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L30-850U-L30-850D-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-L30-850U-L30-850D-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	6092
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2537.777
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2537.777
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.687 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	15.732 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L30-850U-L30-850D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	808.6	N.A.	13.3
FM - Front-Medium (30-60)	611.2	N.A.	10.0
FH - Front-High (60-80)	99.4	N.A.	1.6
FVH - Front-Very High (80-90)	3.7	N.A.	0.1
BL - Back-Low (0-30)	808.6	N.A.	13.3
BM - Back-Medium (30-60)	611.2	N.A.	10.0
BH - Back-High (60-80)	99.4	N.A.	1.6
BVH - Back-Very High (80-90)	3.7	N.A.	0.1
UL - Uplight-Low (90-100)	7.4	N.A.	0.1
UH - Uplight-High (100-180)	3038.6	N.A.	49.9
Total	6091.8	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	2537.777	2537.777	2537.777	2537.777	2537.777	2537.777	2537.777	2537.777	2537.777
5	2511.628	2510.246	2505.785	2510.246	2511.628	2510.246	2505.785	2510.246	2511.628
10	2355.044	2351.538	2349.281	2351.538	2355.044	2351.538	2349.281	2351.538	2355.044
15	2108.723	2114.628	2112.514	2114.628	2108.723	2114.628	2112.514	2114.628	2108.723
20	1891.976	1895.929	1896.569	1895.929	1891.976	1895.929	1896.569	1895.929	1891.976
25	1739.832	1735.269	1736.174	1735.269	1739.832	1735.269	1736.174	1735.269	1739.832
30	1492.516	1473.593	1477.495	1473.593	1492.516	1473.593	1477.495	1473.593	1492.516
35	896.948	897.497	905.739	897.497	896.948	897.497	905.739	897.497	896.948
40	545.872	552.224	555.933	552.224	545.872	552.224	555.933	552.224	545.872
45	461.848	462.295	460.995	462.295	461.848	462.295	460.995	462.295	461.848
50	385.283	385.405	384.531	385.405	385.283	385.405	384.531	385.405	385.283
55	305.182	304.796	303.363	304.796	305.182	304.796	303.363	304.796	305.182
60	221.300	220.741	219.410	220.741	221.300	220.741	219.410	220.741	221.300
65	147.611	147.205	146.636	147.205	147.611	147.205	146.636	147.205	147.611
70	87.540	87.540	87.530	87.540	87.540	87.540	87.530	87.540	87.540
75	43.323	43.415	43.445	43.415	43.323	43.415	43.445	43.415	43.323
80	15.528	15.681	15.732	15.681	15.528	15.681	15.732	15.681	15.528
85	5.010	5.020	4.980	5.020	5.010	5.020	4.980	5.020	5.010
90	1.321	1.484	1.687	1.484	1.321	1.484	1.687	1.484	1.321
95	5.010	5.020	4.980	5.020	5.010	5.020	4.980	5.020	5.010
100	15.528	15.681	15.732	15.681	15.528	15.681	15.732	15.681	15.528
105	43.323	43.415	43.445	43.415	43.323	43.415	43.445	43.415	43.323
110	87.540	87.540	87.530	87.540	87.540	87.540	87.530	87.540	87.540
115	147.611	147.205	146.636	147.205	147.611	147.205	146.636	147.205	147.611
120	221.300	220.741	219.410	220.741	221.300	220.741	219.410	220.741	221.300
125	305.182	304.796	303.363	304.796	305.182	304.796	303.363	304.796	305.182
130	385.283	385.405	384.531	385.405	385.283	385.405	384.531	385.405	385.283
135	461.848	462.295	460.995	462.295	461.848	462.295	460.995	462.295	461.848
140	545.872	552.224	555.933	552.224	545.872	552.224	555.933	552.224	545.872
145	896.948	897.497	905.739	897.497	896.948	897.497	905.739	897.497	896.948
150	1492.516	1473.593	1477.495	1473.593	1492.516	1473.593	1477.495	1473.593	1492.516
155	1739.832	1735.269	1736.174	1735.269	1739.832	1735.269	1736.174	1735.269	1739.832
160	1891.976	1895.929	1896.569	1895.929	1891.976	1895.929	1896.569	1895.929	1891.976
165	2108.723	2114.628	2112.514	2114.628	2108.723	2114.628	2112.514	2114.628	2108.723
170	2355.044	2351.538	2349.281	2351.538	2355.044	2351.538	2349.281	2351.538	2355.044
175	2511.628	2510.246	2505.785	2510.246	2511.628	2510.246	2505.785	2510.246	2511.628
180	2537.594	2537.594	2537.594	2537.594	2537.594	2537.594	2537.594	2537.594	2537.594

COEFFICIENTS OF UTILIZATION



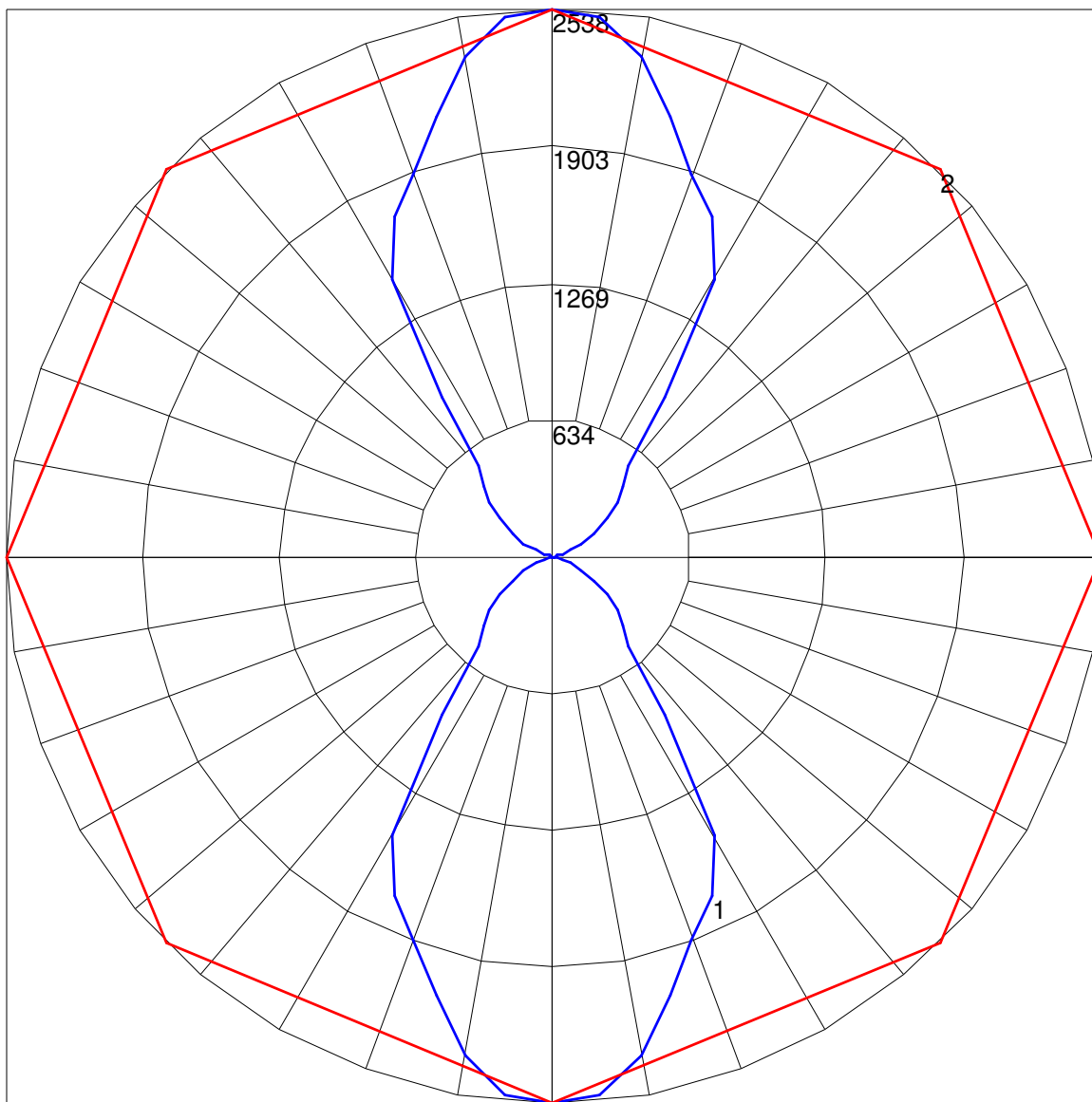
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1523.0	25.0
Downward House Side	1523.0	25.0
Downward Total	3046.0	50.0
Upward Street Side	1523.0	25.0
Upward House Side	1523.0	25.0
Upward Total	3046.0	50.0
Total Flux	6092.0	100.0

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POLAR GRAPH



Maximum Candela = 2537.777 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.)

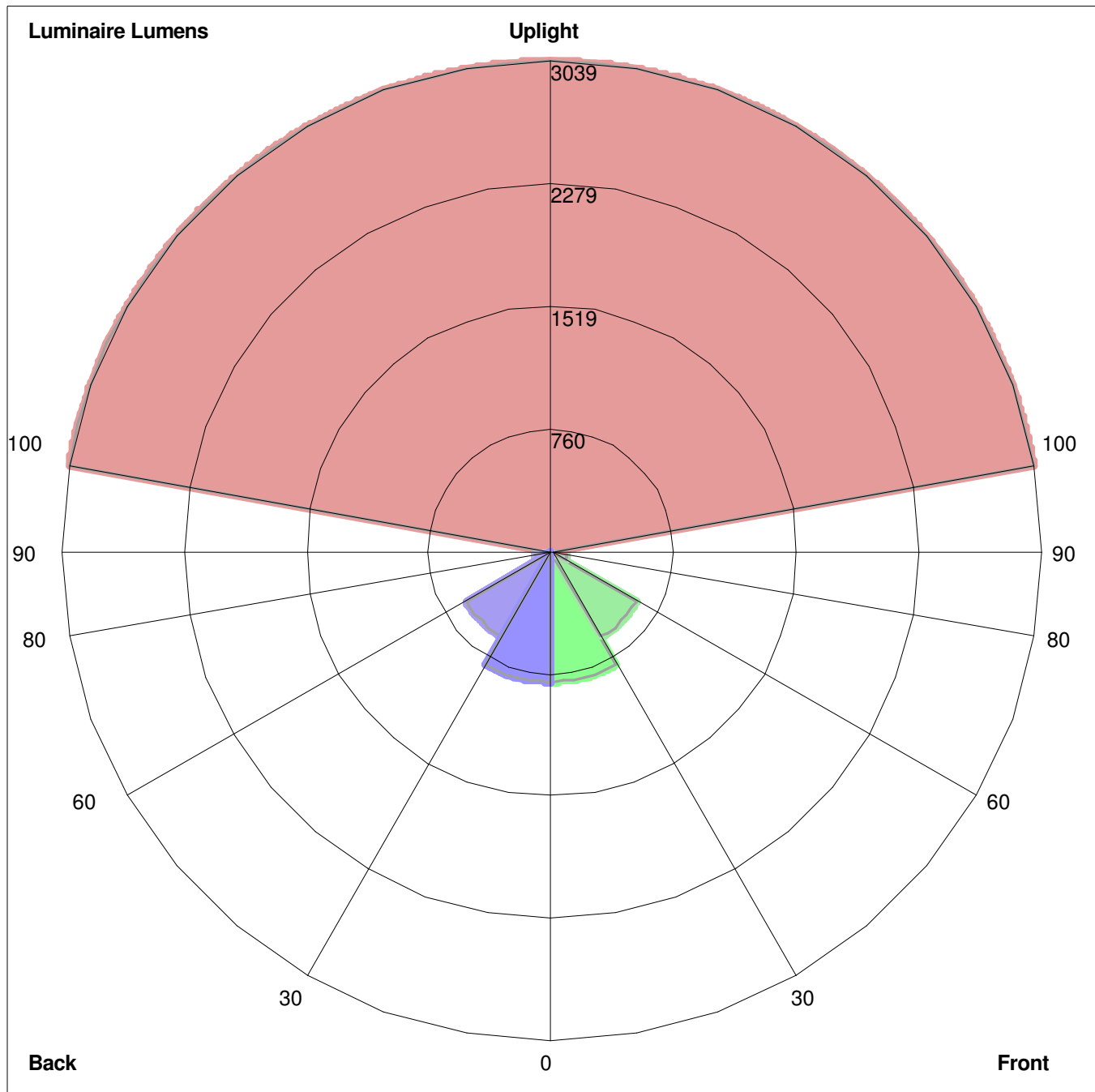
Distance In Units Of Mounting Height

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=808.6, Medium=611.2, High=99.4, Very High=3.7
Back: Low=808.6, Medium=611.2, High=99.4, Very High=3.7
Uplight: Low=7.4, High=3038.6

BUG Rating : B2-U5-G0