

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L40-850U-L40-850D-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-L40-850U-L40-850D-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	8008
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	73.4
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	3336.14
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	3336.14
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	2.218 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	20.681 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L40-850U-L40-850D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1063.0	N.A.	13.3
FM - Front-Medium (30-60)	803.5	N.A.	10.0
FH - Front-High (60-80)	130.7	N.A.	1.6
FVH - Front-Very High (80-90)	4.9	N.A.	0.1
BL - Back-Low (0-30)	1063.0	N.A.	13.3
BM - Back-Medium (30-60)	803.5	N.A.	10.0
BH - Back-High (60-80)	130.7	N.A.	1.6
BVH - Back-Very High (80-90)	4.9	N.A.	0.1
UL - Uplight-Low (90-100)	9.7	N.A.	0.1
UH - Uplight-High (100-180)	3994.5	N.A.	49.9
Total	8008.4	N.A.	100.0
BUG Rating	B3-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	3336.140	3336.140	3336.140	3336.140	3336.140	3336.140	3336.140	3336.140	3336.140
5	3301.766	3299.949	3294.084	3299.949	3301.766	3299.949	3294.084	3299.949	3301.766
10	3095.921	3091.312	3088.346	3091.312	3095.921	3091.312	3088.346	3091.312	3095.921
15	2772.110	2779.872	2777.093	2779.872	2772.110	2779.872	2777.093	2779.872	2772.110
20	2487.176	2492.373	2493.214	2492.373	2487.176	2492.373	2493.214	2492.373	2487.176
25	2287.169	2281.170	2282.359	2281.170	2287.169	2281.170	2282.359	2281.170	2287.169
30	1962.049	1937.173	1942.303	1937.173	1962.049	1937.173	1942.303	1937.173	1962.049
35	1179.121	1179.842	1190.677	1179.842	1179.121	1179.842	1190.677	1179.842	1179.121
40	717.599	725.949	730.825	725.949	717.599	725.949	730.825	725.949	717.599
45	607.142	607.730	606.020	607.730	607.142	607.730	606.020	607.730	607.142
50	506.490	506.651	505.502	506.651	506.490	506.651	505.502	506.651	506.490
55	401.190	400.682	398.798	400.682	401.190	400.682	398.798	400.682	401.190
60	290.919	290.185	288.434	290.185	290.919	290.185	288.434	290.185	290.919
65	194.049	193.514	192.766	193.514	194.049	193.514	192.766	193.514	194.049
70	115.080	115.080	115.066	115.080	115.080	115.080	115.066	115.080	115.080
75	56.952	57.072	57.112	57.072	56.952	57.072	57.112	57.072	56.952
80	20.414	20.614	20.681	20.614	20.414	20.614	20.681	20.614	20.414
85	6.586	6.600	6.546	6.600	6.586	6.600	6.546	6.600	6.586
90	1.737	1.951	2.218	1.951	1.737	1.951	2.218	1.951	1.737
95	6.586	6.600	6.546	6.600	6.586	6.600	6.546	6.600	6.586
100	20.414	20.614	20.681	20.614	20.414	20.614	20.681	20.614	20.414
105	56.952	57.072	57.112	57.072	56.952	57.072	57.112	57.072	56.952
110	115.080	115.080	115.066	115.080	115.080	115.080	115.066	115.080	115.080
115	194.049	193.514	192.766	193.514	194.049	193.514	192.766	193.514	194.049
120	290.919	290.185	288.434	290.185	290.919	290.185	288.434	290.185	290.919
125	401.190	400.682	398.798	400.682	401.190	400.682	398.798	400.682	401.190
130	506.490	506.651	505.502	506.651	506.490	506.651	505.502	506.651	506.490
135	607.142	607.730	606.020	607.730	607.142	607.730	606.020	607.730	607.142
140	717.599	725.949	730.825	725.949	717.599	725.949	730.825	725.949	717.599
145	1179.121	1179.842	1190.677	1179.842	1179.121	1179.842	1190.677	1179.842	1179.121
150	1962.049	1937.173	1942.303	1937.173	1962.049	1937.173	1942.303	1937.173	1962.049
155	2287.169	2281.170	2282.359	2281.170	2287.169	2281.170	2282.359	2281.170	2287.169
160	2487.176	2492.373	2493.214	2492.373	2487.176	2492.373	2493.214	2492.373	2487.176
165	2772.110	2779.872	2777.093	2779.872	2772.110	2779.872	2777.093	2779.872	2772.110
170	3095.921	3091.312	3088.346	3091.312	3095.921	3091.312	3088.346	3091.312	3095.921
175	3301.766	3299.949	3294.084	3299.949	3301.766	3299.949	3294.084	3299.949	3301.766
180	3335.900	3335.900	3335.900	3335.900	3335.900	3335.900	3335.900	3335.900	3335.900

COEFFICIENTS OF UTILIZATION



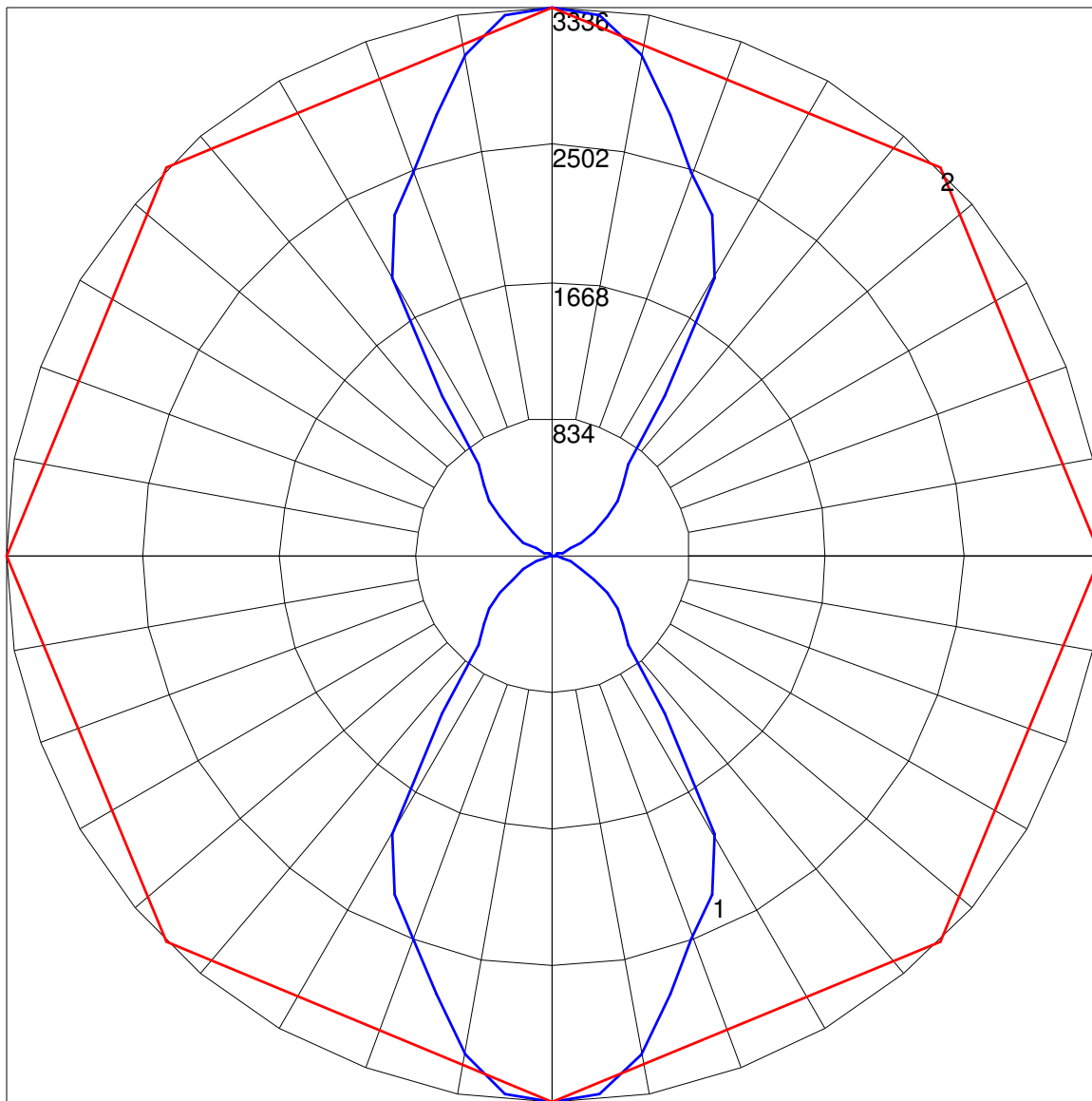
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	2002.1	25.0
Downward House Side	2002.1	25.0
Downward Total	4004.2	50.0
Upward Street Side	2002.1	25.0
Upward House Side	2002.1	25.0
Upward Total	4004.2	50.0
Total Flux	8008.4	100.0

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POLAR GRAPH



Maximum Candela = 3336.14 Located At Horizontal Angle = 360, Vertical Angle = 0

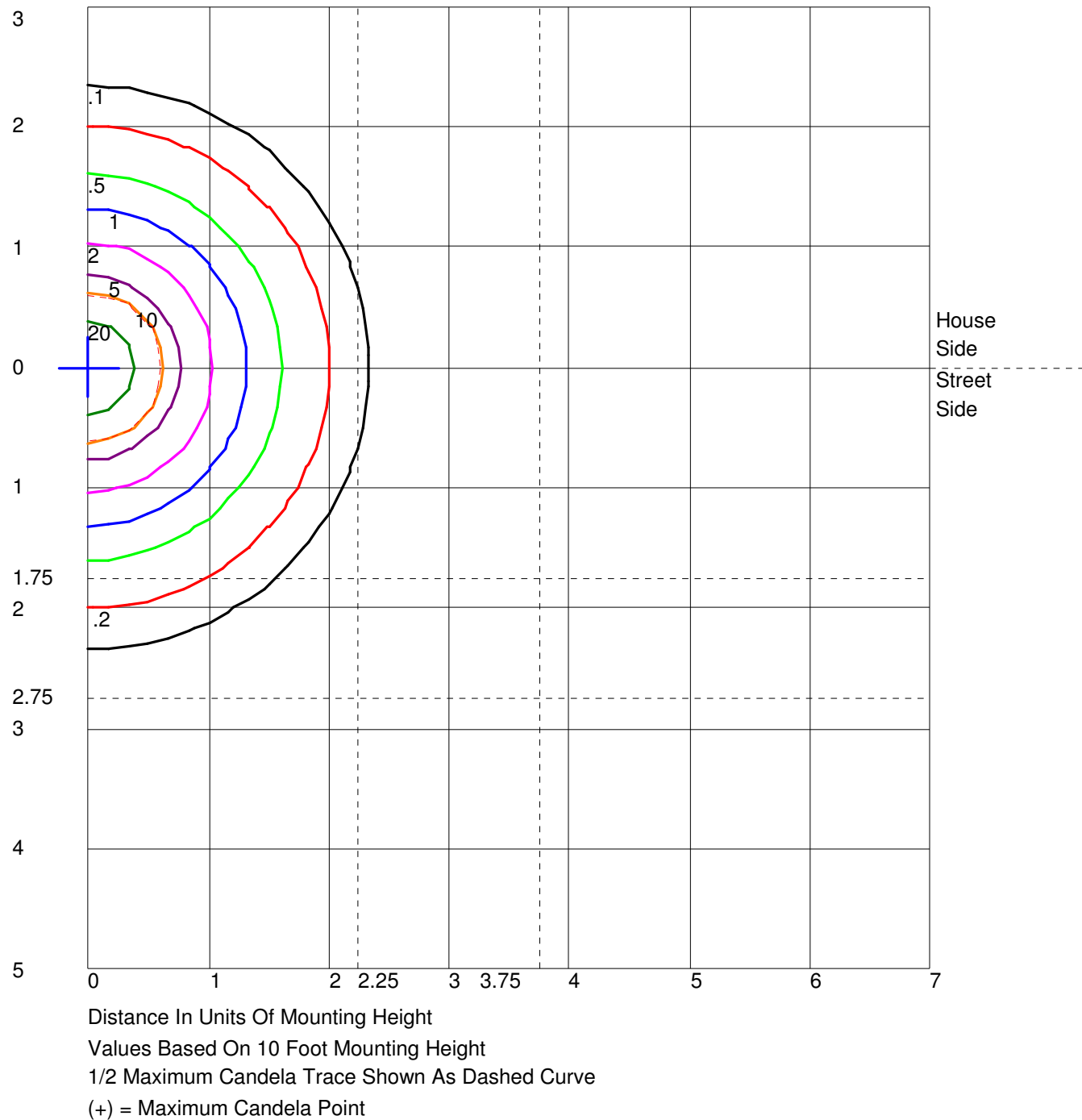
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

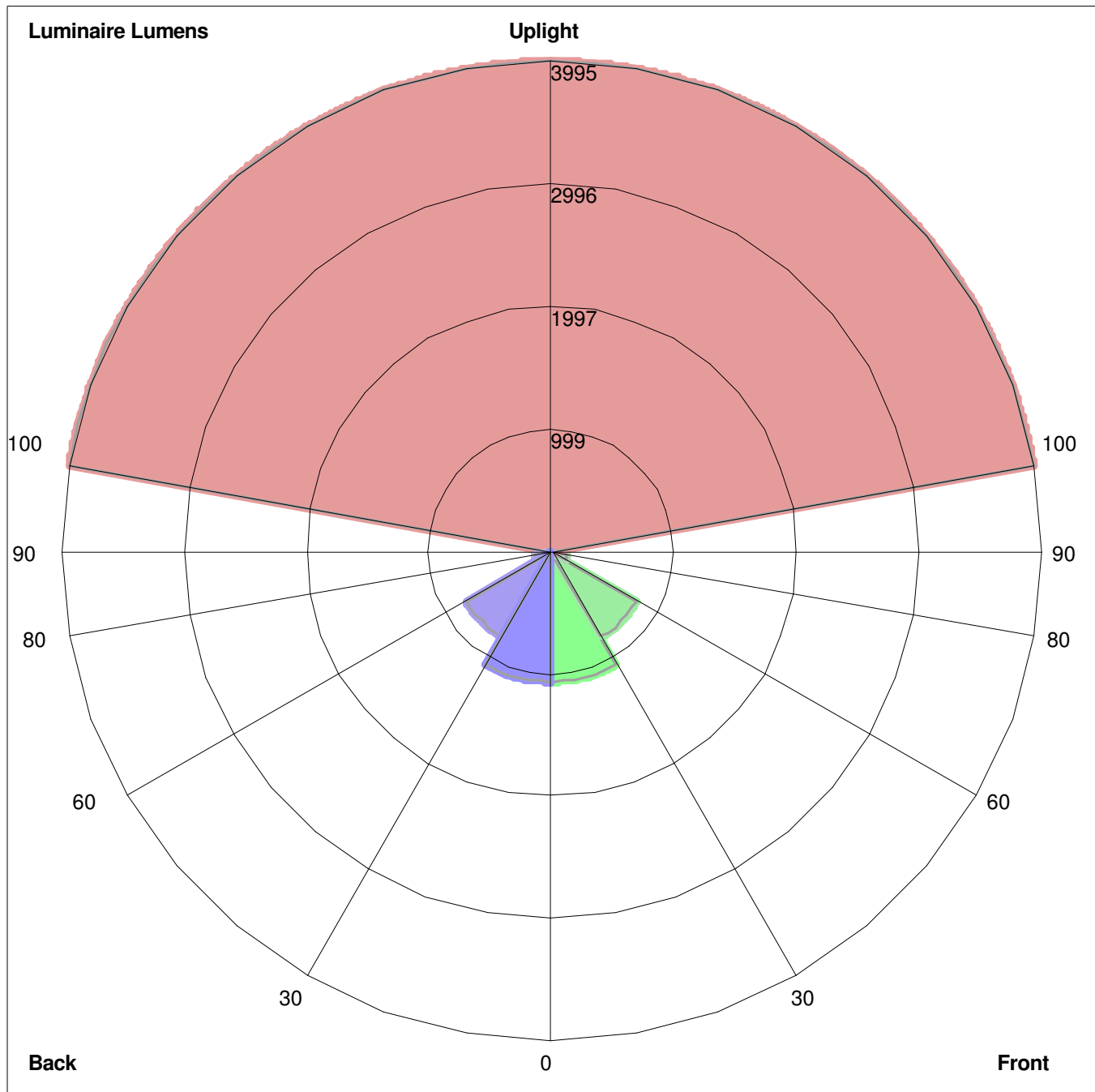
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low= 1063.0, Medium=803.5, High=130.7, Very High=4.9
Back: Low= 1063.0, Medium=803.5, High=130.7, Very High=4.9
Uplight: Low=9.7, High=3994.5

BUG Rating : B3-U5-G0