

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-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-L10-850U-L10-850D-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	2140
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	20.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	891.562
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	891.562
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.593 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	5.527 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W6CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	284.1	N.A.	13.3
FM - Front-Medium (30-60)	214.7	N.A.	10.0
FH - Front-High (60-80)	34.9	N.A.	1.6
FVH - Front-Very High (80-90)	1.3	N.A.	0.1
BL - Back-Low (0-30)	284.1	N.A.	13.3
BM - Back-Medium (30-60)	214.7	N.A.	10.0
BH - Back-High (60-80)	34.9	N.A.	1.6
BVH - Back-Very High (80-90)	1.3	N.A.	0.1
UL - Uplight-Low (90-100)	2.6	N.A.	0.1
UH - Uplight-High (100-180)	1067.5	N.A.	49.9
Total	2140.1	N.A.	100.0
BUG Rating	B1-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	891.562	891.562	891.562	891.562	891.562	891.562	891.562	891.562	891.562
5	882.376	881.890	880.323	881.890	882.376	881.890	880.323	881.890	882.376
10	827.365	826.133	825.340	826.133	827.365	826.133	825.340	826.133	827.365
15	740.828	742.903	742.160	742.903	740.828	742.903	742.160	742.903	740.828
20	664.682	666.071	666.295	666.071	664.682	666.071	666.295	666.071	664.682
25	611.231	609.628	609.946	609.628	611.231	609.628	609.946	609.628	611.231
30	524.345	517.697	519.068	517.697	524.345	517.697	519.068	517.697	524.345
35	315.112	315.305	318.201	315.305	315.112	315.305	318.201	315.305	315.112
40	191.774	194.005	195.308	194.005	191.774	194.005	195.308	194.005	191.774
45	162.255	162.412	161.955	162.412	162.255	162.412	161.955	162.412	162.255
50	135.356	135.399	135.092	135.399	135.356	135.399	135.092	135.399	135.356
55	107.215	107.080	106.576	107.080	107.215	107.080	106.576	107.080	107.215
60	77.746	77.550	77.082	77.550	77.746	77.550	77.082	77.550	77.746
65	51.858	51.715	51.515	51.715	51.858	51.715	51.515	51.715	51.858
70	30.754	30.754	30.751	30.754	30.754	30.754	30.751	30.754	30.754
75	15.220	15.252	15.263	15.252	15.220	15.252	15.263	15.252	15.220
80	5.455	5.509	5.527	5.509	5.455	5.509	5.527	5.509	5.455
85	1.760	1.764	1.749	1.764	1.760	1.764	1.749	1.764	1.760
90	0.464	0.521	0.593	0.521	0.464	0.521	0.593	0.521	0.464
95	1.760	1.764	1.749	1.764	1.760	1.764	1.749	1.764	1.760
100	5.455	5.509	5.527	5.509	5.455	5.509	5.527	5.509	5.455
105	15.220	15.252	15.263	15.252	15.220	15.252	15.263	15.252	15.220
110	30.754	30.754	30.751	30.754	30.754	30.754	30.751	30.754	30.754
115	51.858	51.715	51.515	51.715	51.858	51.715	51.515	51.715	51.858
120	77.746	77.550	77.082	77.550	77.746	77.550	77.082	77.550	77.746
125	107.215	107.080	106.576	107.080	107.215	107.080	106.576	107.080	107.215
130	135.356	135.399	135.092	135.399	135.356	135.399	135.092	135.399	135.356
135	162.255	162.412	161.955	162.412	162.255	162.412	161.955	162.412	162.255
140	191.774	194.005	195.308	194.005	191.774	194.005	195.308	194.005	191.774
145	315.112	315.305	318.201	315.305	315.112	315.305	318.201	315.305	315.112
150	524.345	517.697	519.068	517.697	524.345	517.697	519.068	517.697	524.345
155	611.231	609.628	609.946	609.628	611.231	609.628	609.946	609.628	611.231
160	664.682	666.071	666.295	666.071	664.682	666.071	666.295	666.071	664.682
165	740.828	742.903	742.160	742.903	740.828	742.903	742.160	742.903	740.828
170	827.365	826.133	825.340	826.133	827.365	826.133	825.340	826.133	827.365
175	882.376	881.890	880.323	881.890	882.376	881.890	880.323	881.890	882.376
180	891.498	891.498	891.498	891.498	891.498	891.498	891.498	891.498	891.498

COEFFICIENTS OF UTILIZATION



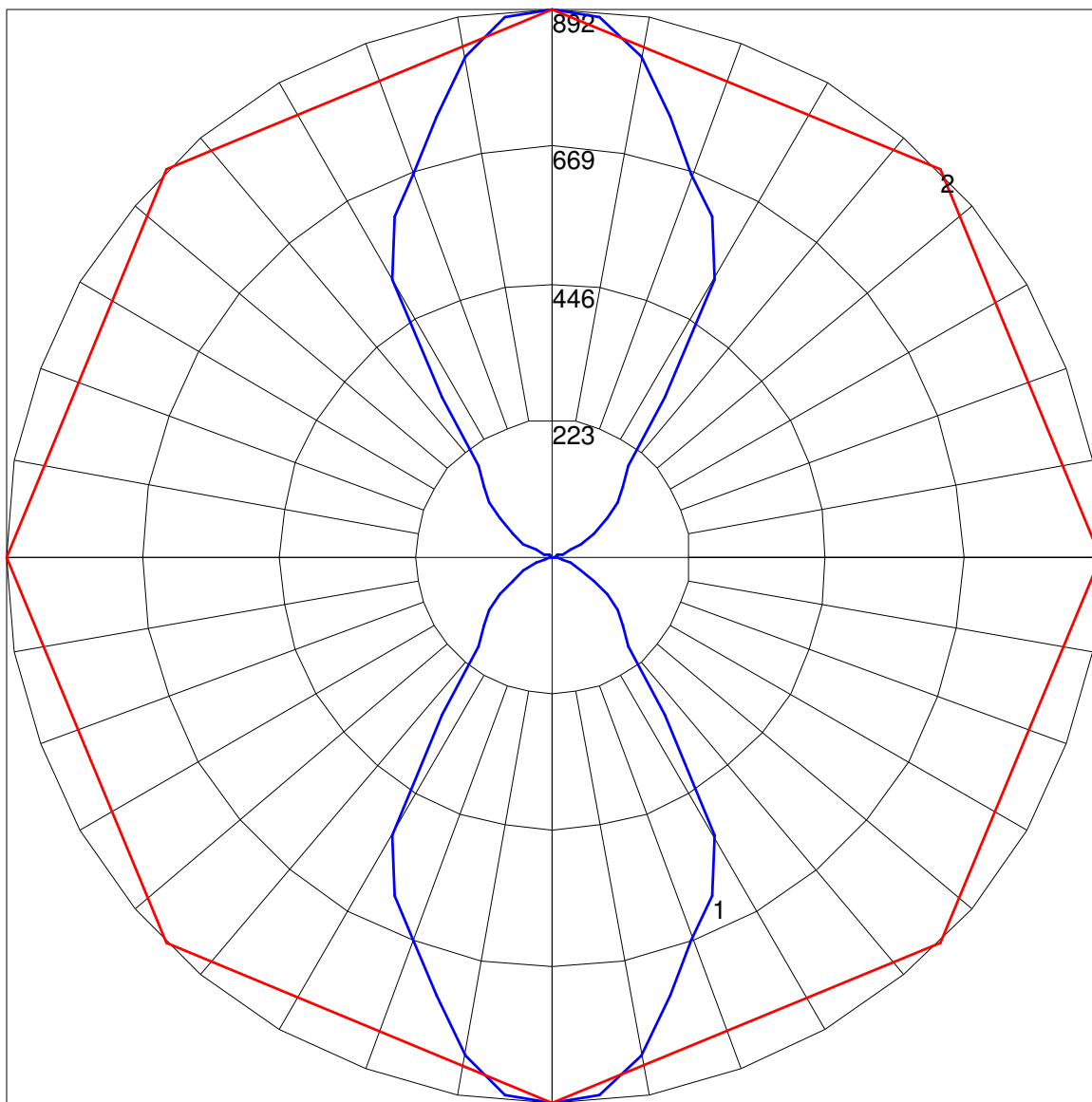
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	535.1	25.0
Downward House Side	535.1	25.0
Downward Total	1070.2	50.0
Upward Street Side	535.1	25.0
Upward House Side	535.1	25.0
Upward Total	1070.2	50.0
Total Flux	2140.4	100.0

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## POLAR GRAPH



Maximum Candela = 891.562 Located At Horizontal Angle = 360, Vertical Angle = 0

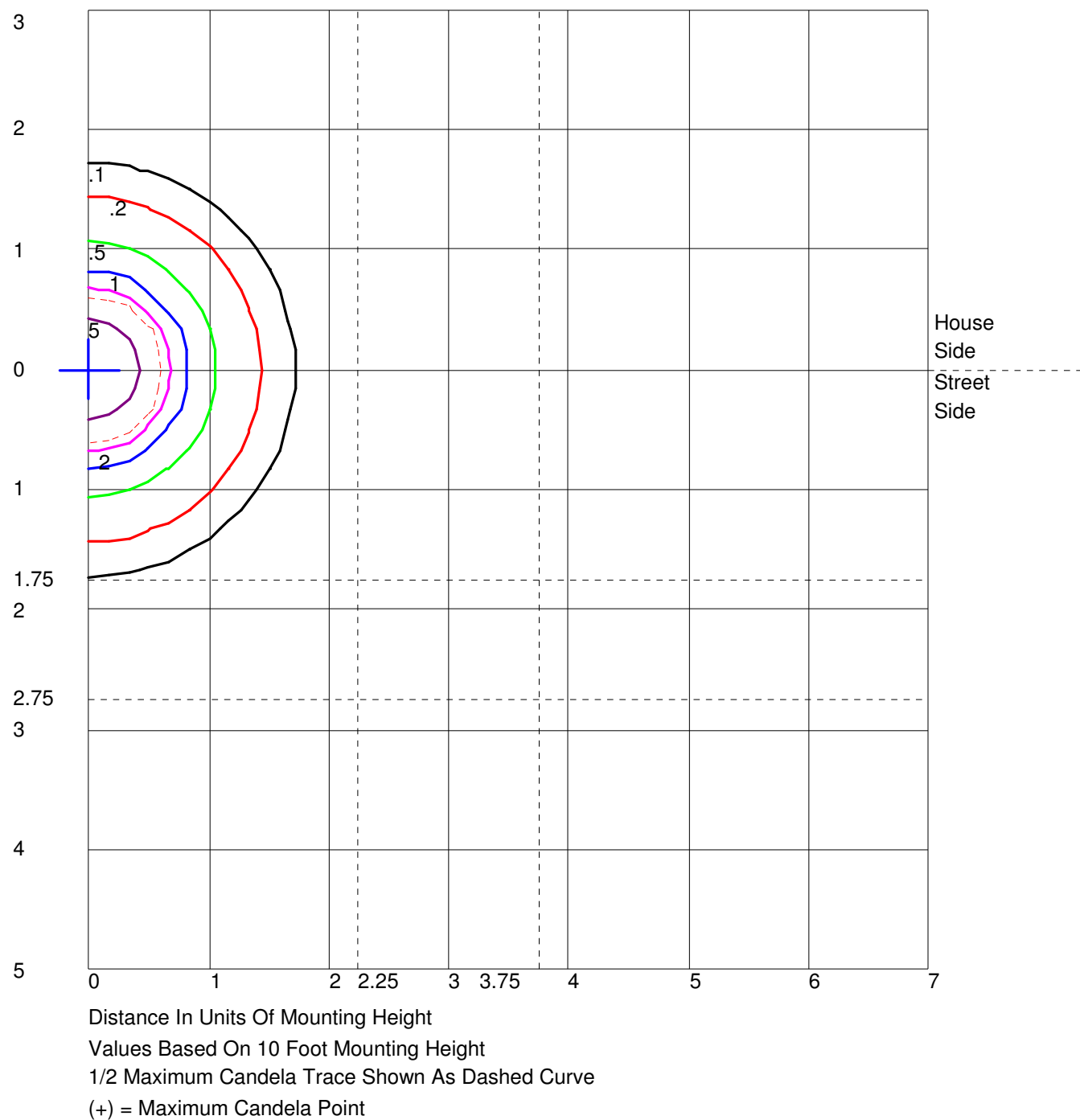
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

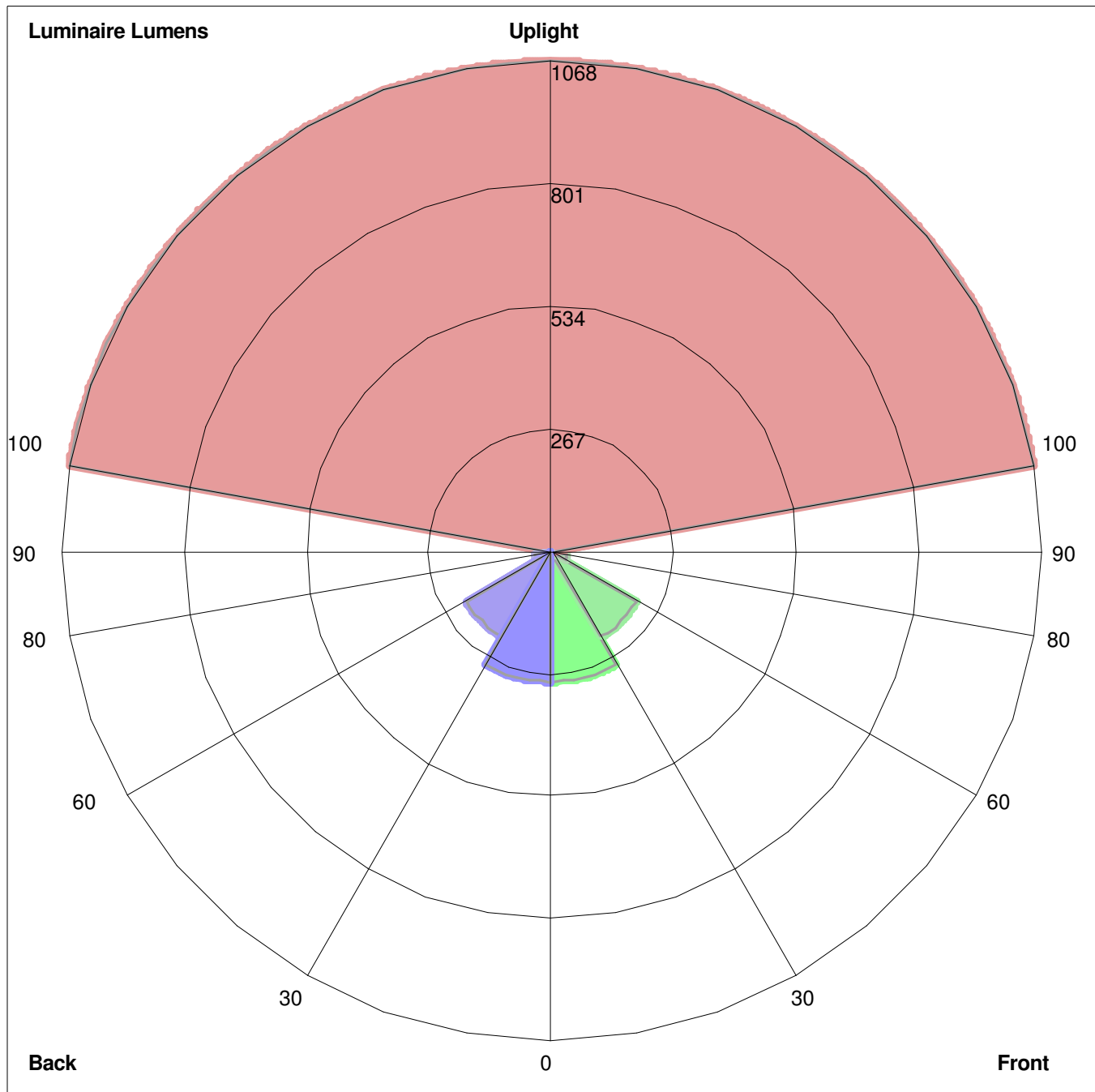
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=284.1, Medium=214.7, High=34.9, Very High=1.3  
Back: Low=284.1, Medium=214.7, High=34.9, Very High=1.3  
Uplight: Low=2.6, High=1067.5

BUG Rating : B1-U5-G0