

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-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-L20-850U-L20-850D-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	4294
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	40.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1788.897
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1788.897
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	1.189 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	11.089 (0.3% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	570.0	N.A.	13.3
FM - Front-Medium (30-60)	430.9	N.A.	10.0
FH - Front-High (60-80)	70.1	N.A.	1.6
FVH - Front-Very High (80-90)	2.6	N.A.	0.1
BL - Back-Low (0-30)	570.0	N.A.	13.3
BM - Back-Medium (30-60)	430.9	N.A.	10.0
BH - Back-High (60-80)	70.1	N.A.	1.6
BVH - Back-Very High (80-90)	2.6	N.A.	0.1
UL - Uplight-Low (90-100)	5.2	N.A.	0.1
UH - Uplight-High (100-180)	2141.9	N.A.	49.9
Total	4294.3	N.A.	100.0
BUG Rating	B2-U5-G0		

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-XXX-DIM-UNV-W-XX_.IES

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	1788.897	1788.897	1788.897	1788.897	1788.897	1788.897	1788.897	1788.897	1788.897
5	1770.465	1769.491	1766.346	1769.491	1770.465	1769.491	1766.346	1769.491	1770.465
10	1660.087	1657.616	1656.025	1657.616	1660.087	1657.616	1656.025	1657.616	1660.087
15	1486.454	1490.616	1489.126	1490.616	1486.454	1490.616	1489.126	1490.616	1486.454
20	1333.667	1336.454	1336.905	1336.454	1333.667	1336.454	1336.905	1336.454	1333.667
25	1226.420	1223.204	1223.841	1223.204	1226.420	1223.204	1223.841	1223.204	1226.420
30	1052.085	1038.746	1041.497	1038.746	1052.085	1038.746	1041.497	1038.746	1052.085
35	632.265	632.652	638.462	632.652	632.265	632.652	638.462	632.652	632.265
40	384.789	389.267	391.881	389.267	384.789	389.267	391.881	389.267	384.789
45	325.560	325.875	324.958	325.875	325.560	325.875	324.958	325.875	325.560
50	271.589	271.675	271.059	271.675	271.589	271.675	271.059	271.675	271.589
55	215.125	214.853	213.843	214.853	215.125	214.853	213.843	214.853	215.125
60	155.996	155.602	154.664	155.602	155.996	155.602	154.664	155.602	155.996
65	104.052	103.766	103.365	103.766	104.052	103.766	103.365	103.766	104.052
70	61.708	61.708	61.701	61.708	61.708	61.708	61.701	61.708	61.708
75	30.539	30.603	30.625	30.603	30.539	30.603	30.625	30.603	30.539
80	10.946	11.054	11.089	11.054	10.946	11.054	11.089	11.054	10.946
85	3.532	3.539	3.510	3.539	3.532	3.539	3.510	3.539	3.532
90	0.931	1.046	1.189	1.046	0.931	1.046	1.189	1.046	0.931
95	3.532	3.539	3.510	3.539	3.532	3.539	3.510	3.539	3.532
100	10.946	11.054	11.089	11.054	10.946	11.054	11.089	11.054	10.946
105	30.539	30.603	30.625	30.603	30.539	30.603	30.625	30.603	30.539
110	61.708	61.708	61.701	61.708	61.708	61.708	61.701	61.708	61.708
115	104.052	103.766	103.365	103.766	104.052	103.766	103.365	103.766	104.052
120	155.996	155.602	154.664	155.602	155.996	155.602	154.664	155.602	155.996
125	215.125	214.853	213.843	214.853	215.125	214.853	213.843	214.853	215.125
130	271.589	271.675	271.059	271.675	271.589	271.675	271.059	271.675	271.589
135	325.560	325.875	324.958	325.875	325.560	325.875	324.958	325.875	325.560
140	384.789	389.267	391.881	389.267	384.789	389.267	391.881	389.267	384.789
145	632.265	632.652	638.462	632.652	632.265	632.652	638.462	632.652	632.265
150	1052.085	1038.746	1041.497	1038.746	1052.085	1038.746	1041.497	1038.746	1052.085
155	1226.420	1223.204	1223.841	1223.204	1226.420	1223.204	1223.841	1223.204	1226.420
160	1333.667	1336.454	1336.905	1336.454	1333.667	1336.454	1336.905	1336.454	1333.667
165	1486.454	1490.616	1489.126	1490.616	1486.454	1490.616	1489.126	1490.616	1486.454
170	1660.087	1657.616	1656.025	1657.616	1660.087	1657.616	1656.025	1657.616	1660.087
175	1770.465	1769.491	1766.346	1769.491	1770.465	1769.491	1766.346	1769.491	1770.465
180	1788.768	1788.768	1788.768	1788.768	1788.768	1788.768	1788.768	1788.768	1788.768

COEFFICIENTS OF UTILIZATION



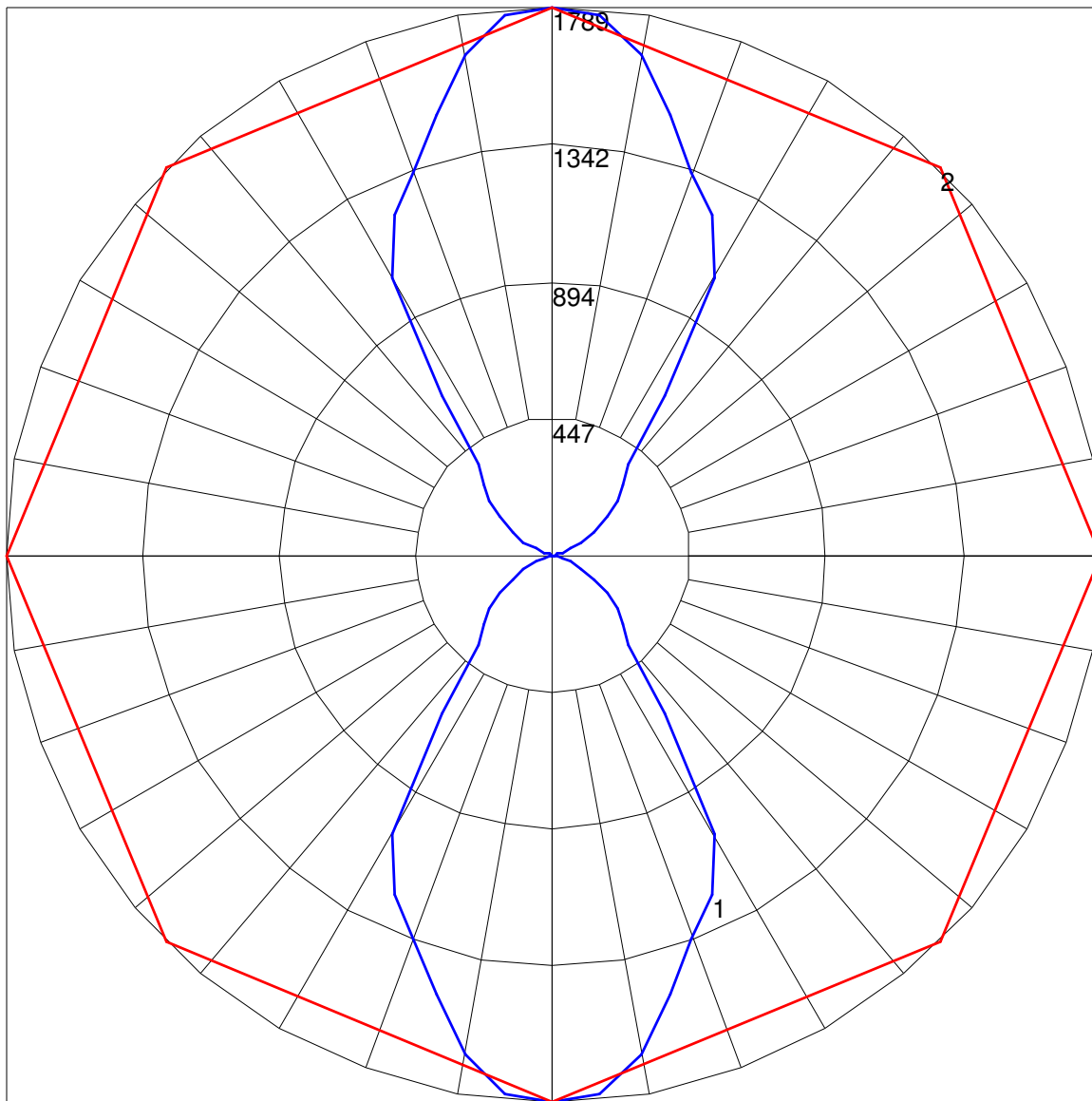
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	1073.6	25.0
Downward House Side	1073.6	25.0
Downward Total	2147.2	50.0
Upward Street Side	1073.6	25.0
Upward House Side	1073.6	25.0
Upward Total	2147.2	50.0
Total Flux	4294.4	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-XXX-DIM-UNV-W-XX_.IES

POLAR GRAPH



Maximum Candela = 1788.897 Located At Horizontal Angle = 360, Vertical Angle = 0

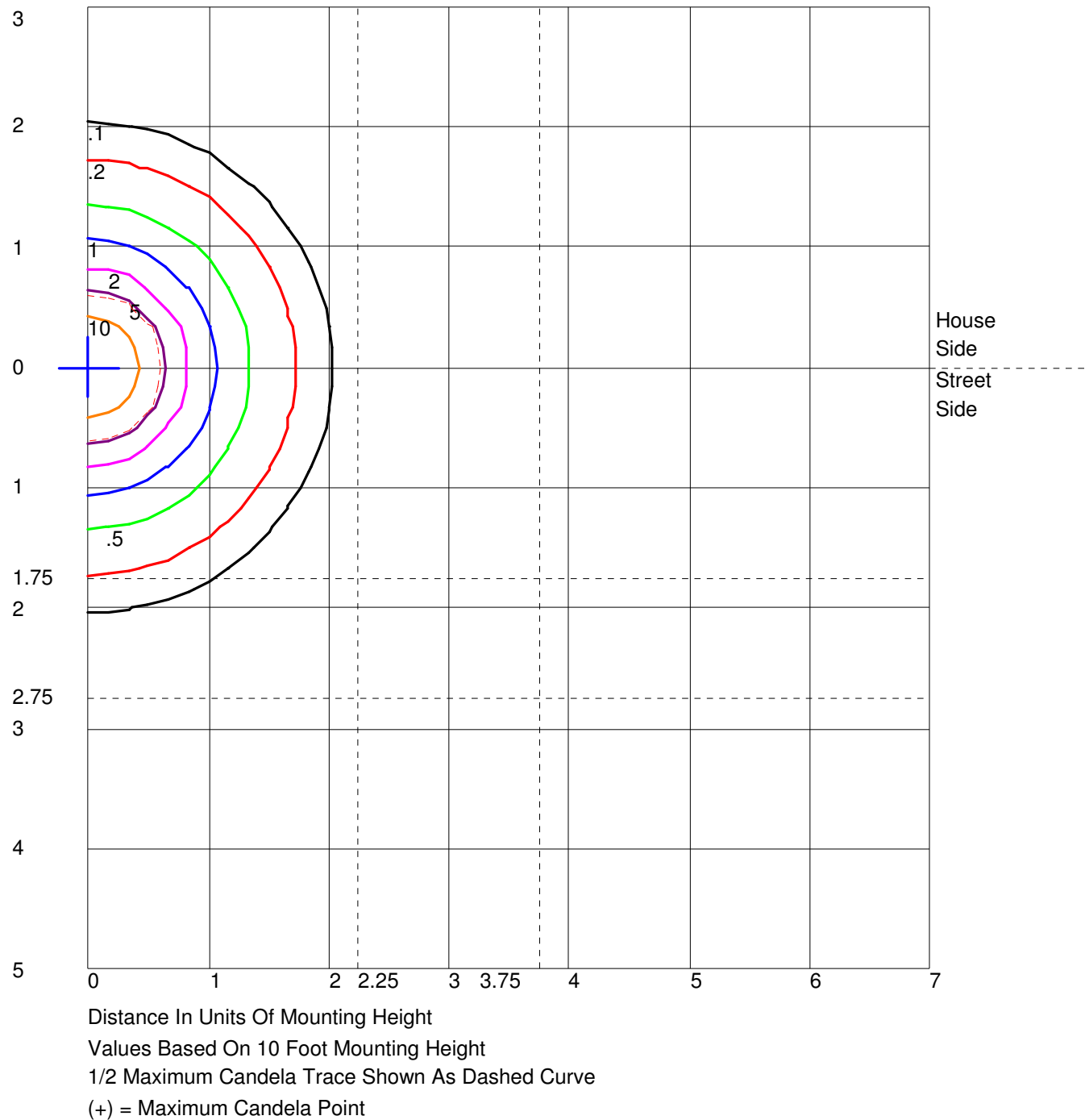
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

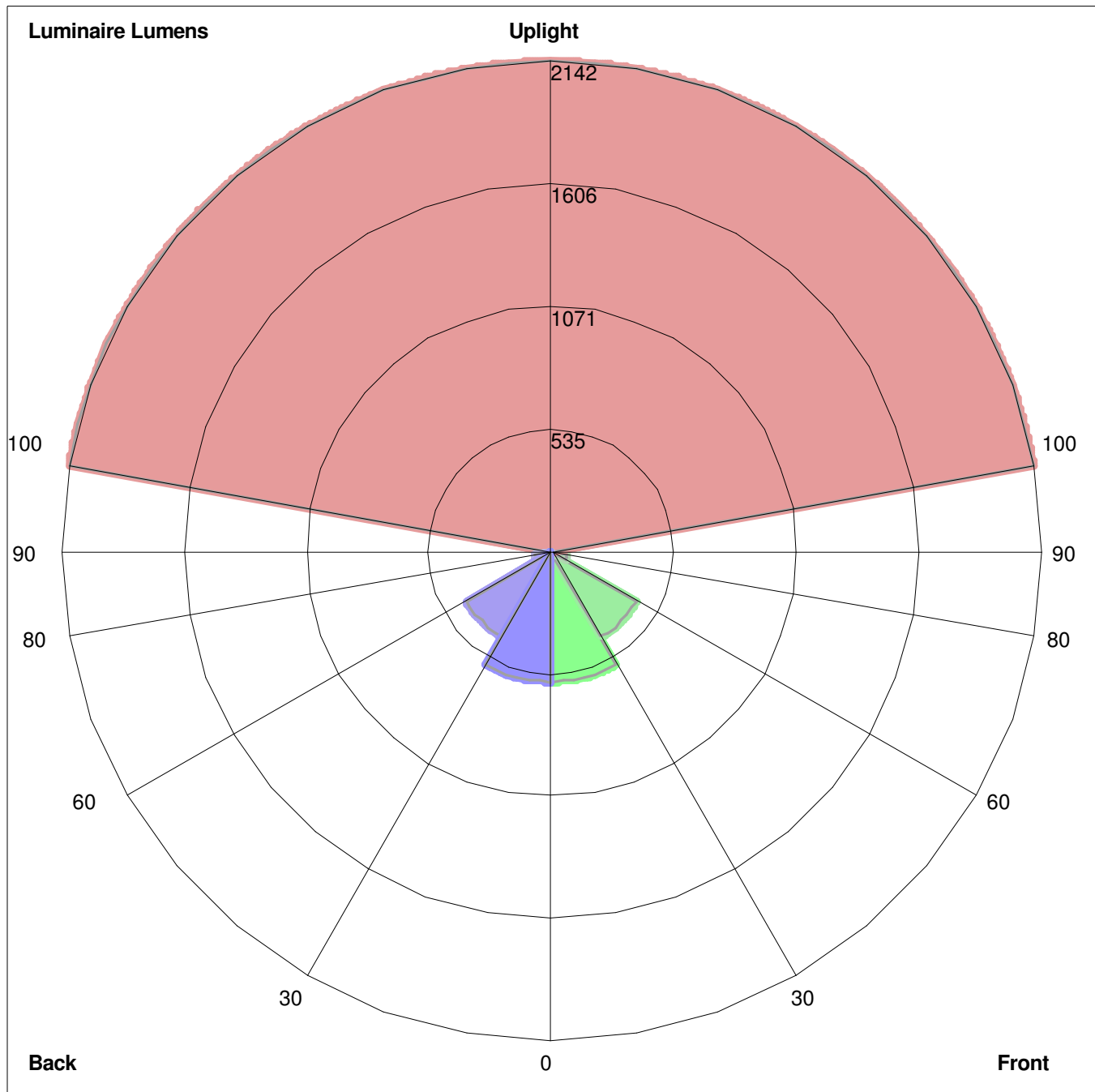
IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L20-850U-L20-850D-XXX-DIM-UNV-W-XX_.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=570.0, Medium=430.9, High=70.1, Very High=2.6
Back: Low=570.0, Medium=430.9, High=70.1, Very High=2.6
Uplight: Low=5.2, High=2141.9

BUG Rating : B2-U5-G0