

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-W-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-WIDE DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 08/01/2025
[ISSUEDATE] 2025-08-01
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CRDI-xx-L15-927U-L15-927D-xxx-DIM-UNV-W-xx
[LUMINAIRE] 4 INCH ROUND OUTDOOR LED CYLINDER
[MORE] DIRECT/INDIRECT W/WIDE DISTRIBUTION
[MORE] 0-10V LED DRIVER

CHARACTERISTICS

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2909
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1815.212
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1815.212
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.453 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.251 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	557.7	N.A.	19.2
FM - Front-Medium (30-60)	162.2	N.A.	5.6
FH - Front-High (60-80)	6.8	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	557.7	N.A.	19.2
BM - Back-Medium (30-60)	162.2	N.A.	5.6
BH - Back-High (60-80)	6.8	N.A.	0.2
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1453.5	N.A.	50.0
Total	2908.8	N.A.	100.0
BUG Rating	B2-U5-G0		

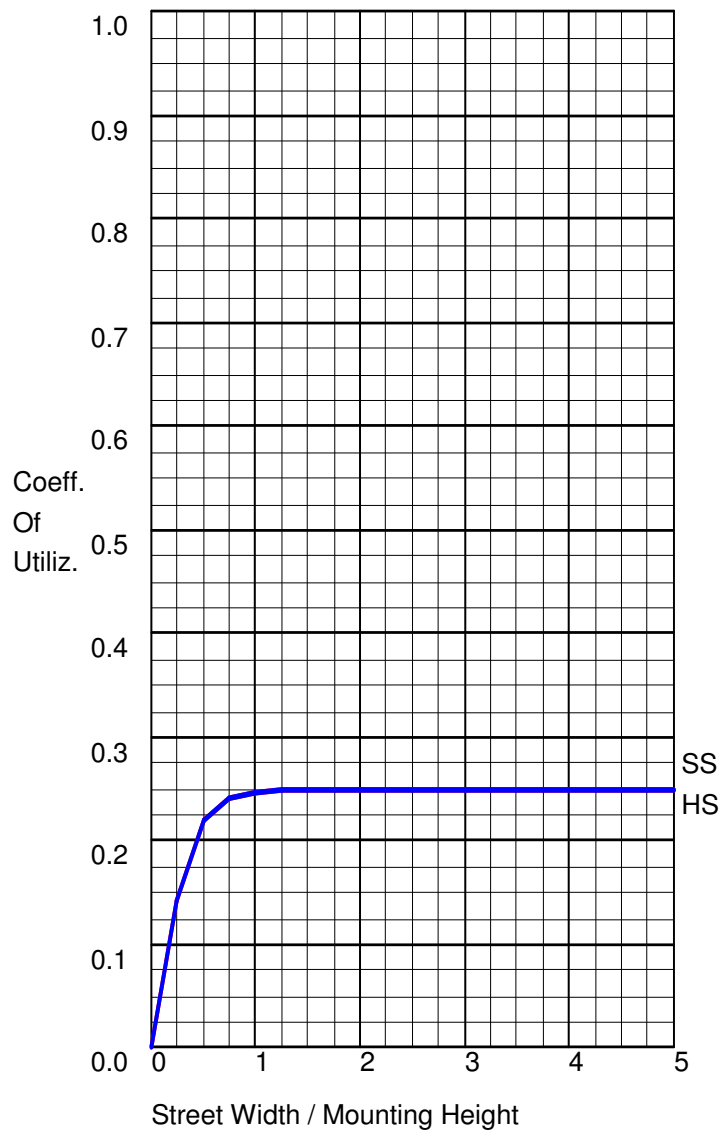
IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-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	1815.212	1815.212	1815.212	1815.212	1815.212	1815.212	1815.212	1815.212	1815.212
5	1807.034	1804.667	1808.344	1804.667	1807.034	1804.667	1808.344	1804.667	1807.034
10	1762.907	1762.363	1760.665	1762.363	1762.907	1762.363	1760.665	1762.363	1762.907
15	1618.302	1614.868	1617.860	1614.868	1618.302	1614.868	1617.860	1614.868	1618.302
20	1372.737	1371.120	1376.360	1371.120	1372.737	1371.120	1376.360	1371.120	1372.737
25	1100.691	1101.365	1105.225	1101.365	1100.691	1101.365	1105.225	1101.365	1100.691
30	773.370	782.239	780.540	782.239	773.370	782.239	780.540	782.239	773.370
35	377.782	384.289	392.095	384.289	377.782	384.289	392.095	384.289	377.782
40	123.359	127.748	133.845	127.748	123.359	127.748	133.845	127.748	123.359
45	46.288	49.178	52.714	49.178	46.288	49.178	52.714	49.178	46.288
50	27.802	28.950	30.287	28.950	27.802	28.950	30.287	28.950	27.802
55	19.904	20.454	20.912	20.454	19.904	20.454	20.912	20.454	19.904
60	14.011	14.227	14.416	14.227	14.011	14.227	14.416	14.227	14.011
65	9.424	9.451	9.553	9.451	9.424	9.451	9.553	9.451	9.424
70	6.340	6.297	6.297	6.297	6.340	6.297	6.297	6.297	6.340
75	3.725	3.623	3.607	3.623	3.725	3.623	3.607	3.623	3.725
80	1.251	1.240	1.218	1.240	1.251	1.240	1.218	1.240	1.251
85	0.916	0.906	0.890	0.906	0.916	0.906	0.890	0.906	0.916
90	0.453	0.431	0.377	0.431	0.453	0.431	0.377	0.431	0.453
95	0.916	0.906	0.890	0.906	0.916	0.906	0.890	0.906	0.916
100	1.251	1.240	1.218	1.240	1.251	1.240	1.218	1.240	1.251
105	3.725	3.623	3.607	3.623	3.725	3.623	3.607	3.623	3.725
110	6.340	6.297	6.297	6.297	6.340	6.297	6.297	6.297	6.340
115	9.424	9.451	9.553	9.451	9.424	9.451	9.553	9.451	9.424
120	14.011	14.227	14.416	14.227	14.011	14.227	14.416	14.227	14.011
125	19.904	20.454	20.912	20.454	19.904	20.454	20.912	20.454	19.904
130	27.802	28.950	30.287	28.950	27.802	28.950	30.287	28.950	27.802
135	46.288	49.178	52.714	49.178	46.288	49.178	52.714	49.178	46.288
140	123.359	127.748	133.845	127.748	123.359	127.748	133.845	127.748	123.359
145	377.782	384.289	392.095	384.289	377.782	384.289	392.095	384.289	377.782
150	773.370	782.239	780.540	782.239	773.370	782.239	780.540	782.239	773.370
155	1100.691	1101.365	1105.225	1101.365	1100.691	1101.365	1105.225	1101.365	1100.691
160	1372.737	1371.120	1376.360	1371.120	1372.737	1371.120	1376.360	1371.120	1372.737
165	1618.302	1614.868	1617.860	1614.868	1618.302	1614.868	1617.860	1614.868	1618.302
170	1762.907	1762.363	1760.665	1762.363	1762.907	1762.363	1760.665	1762.363	1762.907
175	1807.034	1804.667	1808.344	1804.667	1807.034	1804.667	1808.344	1804.667	1807.034
180	1815.185	1815.185	1815.185	1815.185	1815.185	1815.185	1815.185	1815.185	1815.185

COEFFICIENTS OF UTILIZATION



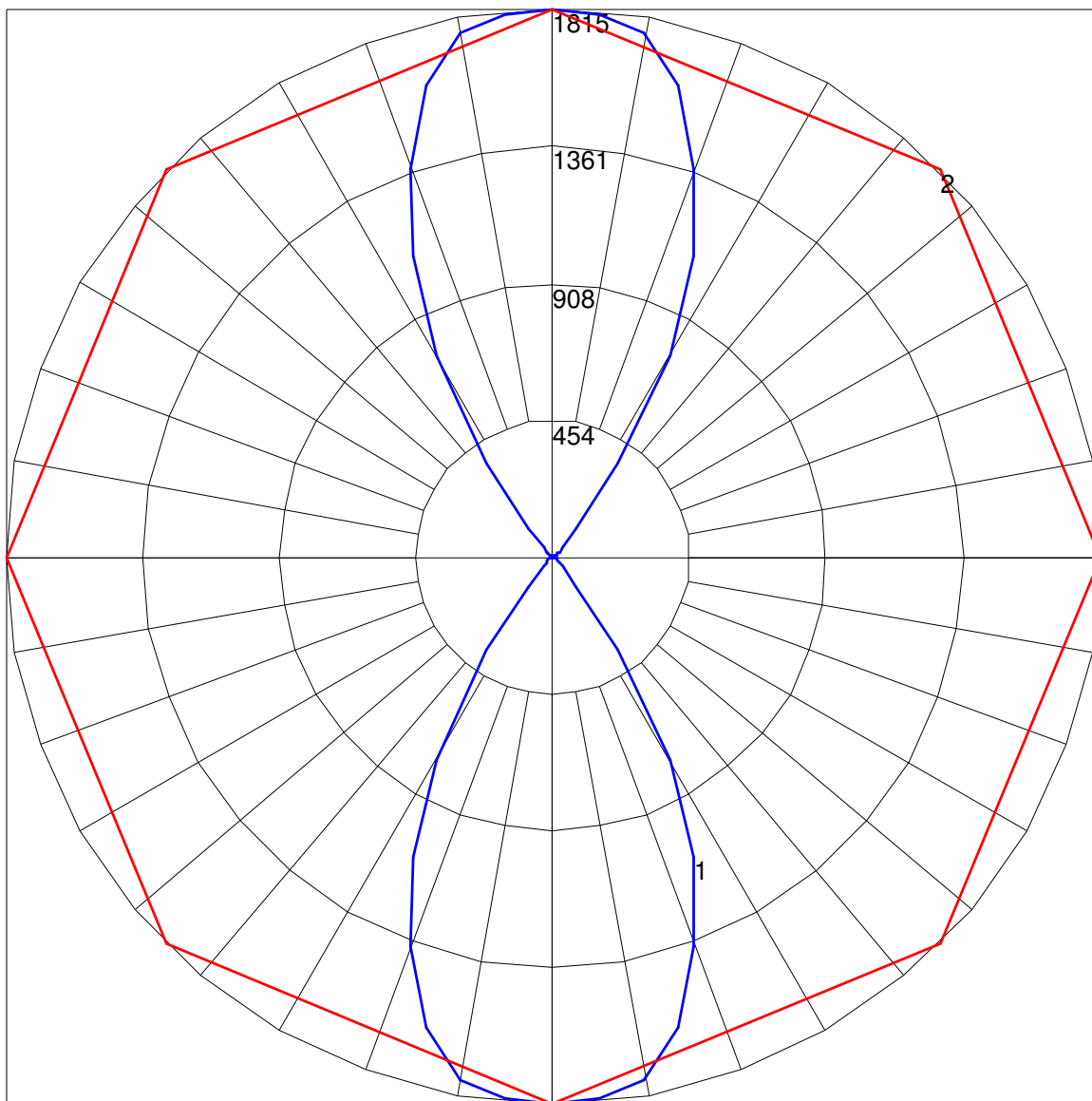
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	727.2	25.0
Downward House Side	727.2	25.0
Downward Total	1454.4	50.0
Upward Street Side	727.2	25.0
Upward House Side	727.2	25.0
Upward Total	1454.4	50.0
Total Flux	2908.8	100.0

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-W-XX_.IES

POLAR GRAPH



Maximum Candela = 1815.212 Located At Horizontal Angle = 360, Vertical Angle = 0

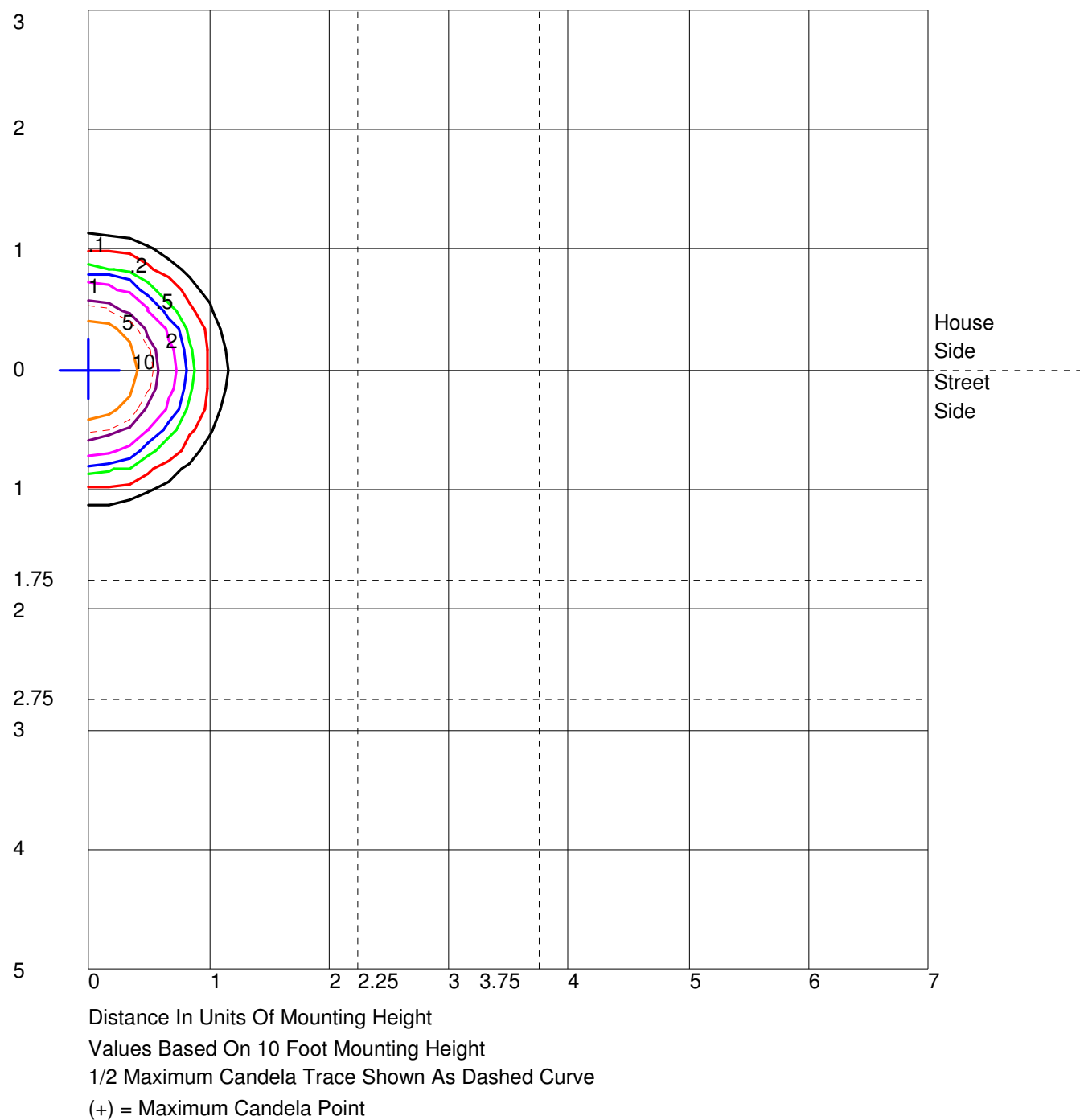
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

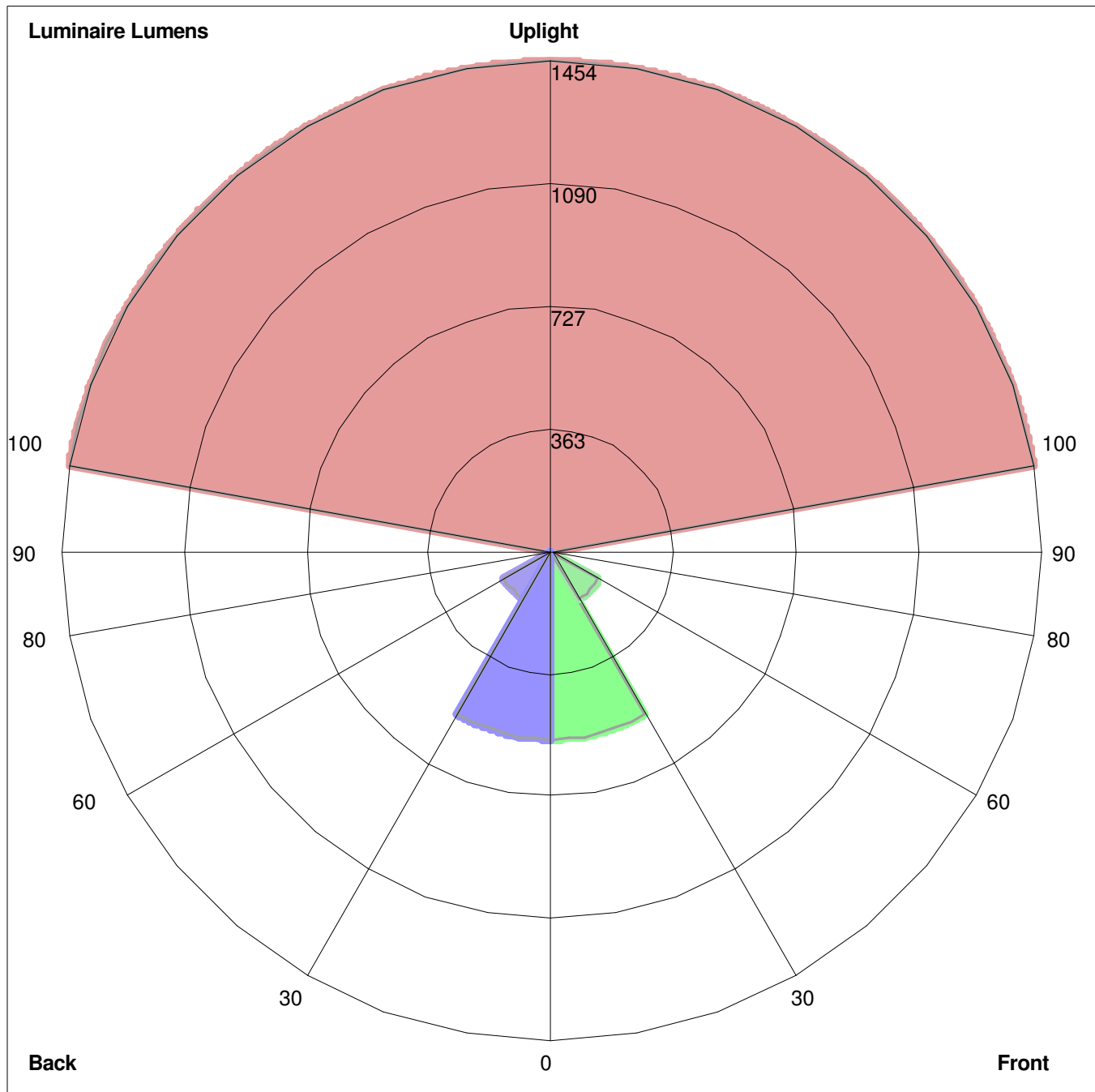
IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-927U-L15-927D-XXX-DIM-UNV-W-XX_.IES

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=557.7, Medium=162.2, High=6.8, Very High=0.5
Back: Low=557.7, Medium=162.2, High=6.8, Very High=0.5
Uplight: Low=0.9, High=1453.5

BUG Rating : B2-U5-G0