

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-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-L15-950U-L15-950D-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	2940
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1834.73
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1834.73
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.458 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.264 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	563.7	N.A.	19.2
FM - Front-Medium (30-60)	164.0	N.A.	5.6
FH - Front-High (60-80)	6.9	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	563.7	N.A.	19.2
BM - Back-Medium (30-60)	164.0	N.A.	5.6
BH - Back-High (60-80)	6.9	N.A.	0.2
BVH - Back-Very High (80-90)	0.5	N.A.	0.0
UL - Uplight-Low (90-100)	1.0	N.A.	0.0
UH - Uplight-High (100-180)	1469.2	N.A.	50.0
Total	2940.4	N.A.	100.0
BUG Rating	B2-U5-G0		

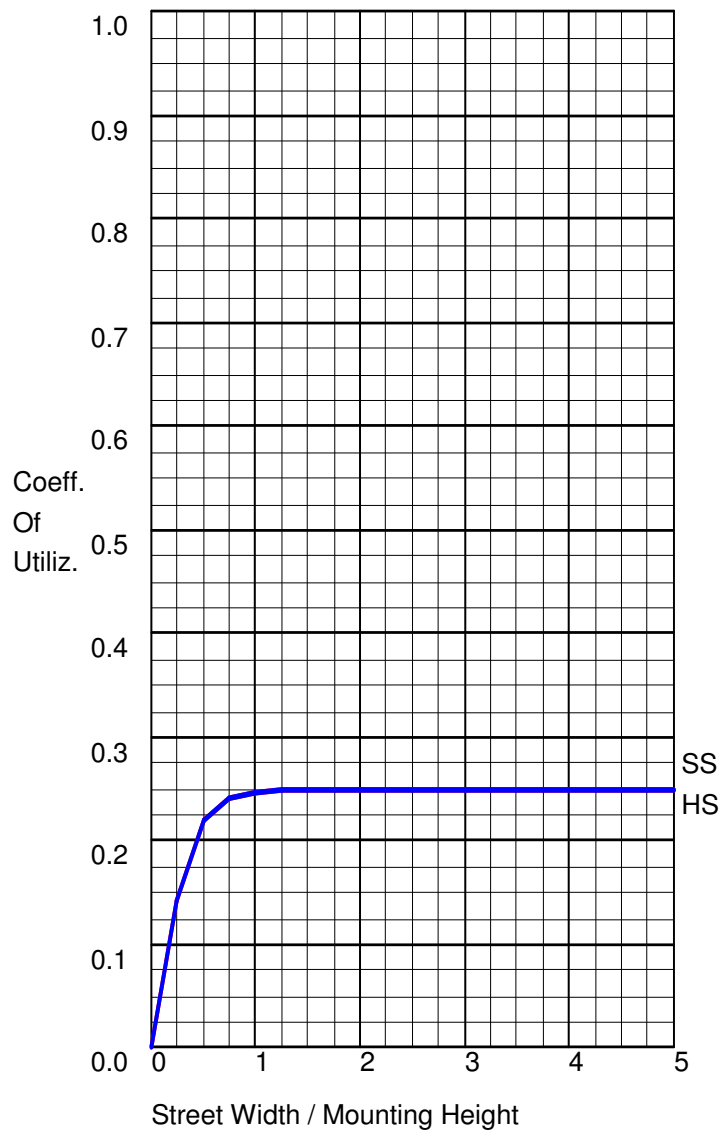
# IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-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	1834.730	1834.730	1834.730	1834.730	1834.730	1834.730	1834.730	1834.730	1834.730
5	1826.464	1824.072	1827.788	1824.072	1826.464	1824.072	1827.788	1824.072	1826.464
10	1781.863	1781.313	1779.596	1781.313	1781.863	1781.313	1779.596	1781.313	1781.863
15	1635.703	1632.232	1635.256	1632.232	1635.703	1632.232	1635.256	1632.232	1635.703
20	1387.497	1385.863	1391.159	1385.863	1387.497	1385.863	1391.159	1385.863	1387.497
25	1112.526	1113.207	1117.109	1113.207	1112.526	1113.207	1117.109	1113.207	1112.526
30	781.686	790.650	788.933	790.650	781.686	790.650	788.933	790.650	781.686
35	381.844	388.421	396.311	388.421	381.844	388.421	396.311	388.421	381.844
40	124.686	129.121	135.284	129.121	124.686	129.121	135.284	129.121	124.686
45	46.786	49.706	53.281	49.706	46.786	49.706	53.281	49.706	46.786
50	28.101	29.262	30.613	29.262	28.101	29.262	30.613	29.262	28.101
55	20.118	20.674	21.137	20.674	20.118	20.674	21.137	20.674	20.118
60	14.162	14.380	14.571	14.380	14.162	14.380	14.571	14.380	14.162
65	9.525	9.552	9.656	9.552	9.525	9.552	9.656	9.552	9.525
70	6.408	6.365	6.365	6.365	6.408	6.365	6.365	6.365	6.408
75	3.765	3.662	3.645	3.662	3.765	3.662	3.645	3.662	3.765
80	1.264	1.253	1.231	1.253	1.264	1.253	1.231	1.253	1.264
85	0.926	0.915	0.899	0.915	0.926	0.915	0.899	0.915	0.926
90	0.458	0.436	0.381	0.436	0.458	0.436	0.381	0.436	0.458
95	0.926	0.915	0.899	0.915	0.926	0.915	0.899	0.915	0.926
100	1.264	1.253	1.231	1.253	1.264	1.253	1.231	1.253	1.264
105	3.765	3.662	3.645	3.662	3.765	3.662	3.645	3.662	3.765
110	6.408	6.365	6.365	6.365	6.408	6.365	6.365	6.365	6.408
115	9.525	9.552	9.656	9.552	9.525	9.552	9.656	9.552	9.525
120	14.162	14.380	14.571	14.380	14.162	14.380	14.571	14.380	14.162
125	20.118	20.674	21.137	20.674	20.118	20.674	21.137	20.674	20.118
130	28.101	29.262	30.613	29.262	28.101	29.262	30.613	29.262	28.101
135	46.786	49.706	53.281	49.706	46.786	49.706	53.281	49.706	46.786
140	124.686	129.121	135.284	129.121	124.686	129.121	135.284	129.121	124.686
145	381.844	388.421	396.311	388.421	381.844	388.421	396.311	388.421	381.844
150	781.686	790.650	788.933	790.650	781.686	790.650	788.933	790.650	781.686
155	1112.526	1113.207	1117.109	1113.207	1112.526	1113.207	1117.109	1113.207	1112.526
160	1387.497	1385.863	1391.159	1385.863	1387.497	1385.863	1391.159	1385.863	1387.497
165	1635.703	1632.232	1635.256	1632.232	1635.703	1632.232	1635.256	1632.232	1635.703
170	1781.863	1781.313	1779.596	1781.313	1781.863	1781.313	1779.596	1781.313	1781.863
175	1826.464	1824.072	1827.788	1824.072	1826.464	1824.072	1827.788	1824.072	1826.464
180	1834.703	1834.703	1834.703	1834.703	1834.703	1834.703	1834.703	1834.703	1834.703

COEFFICIENTS OF UTILIZATION



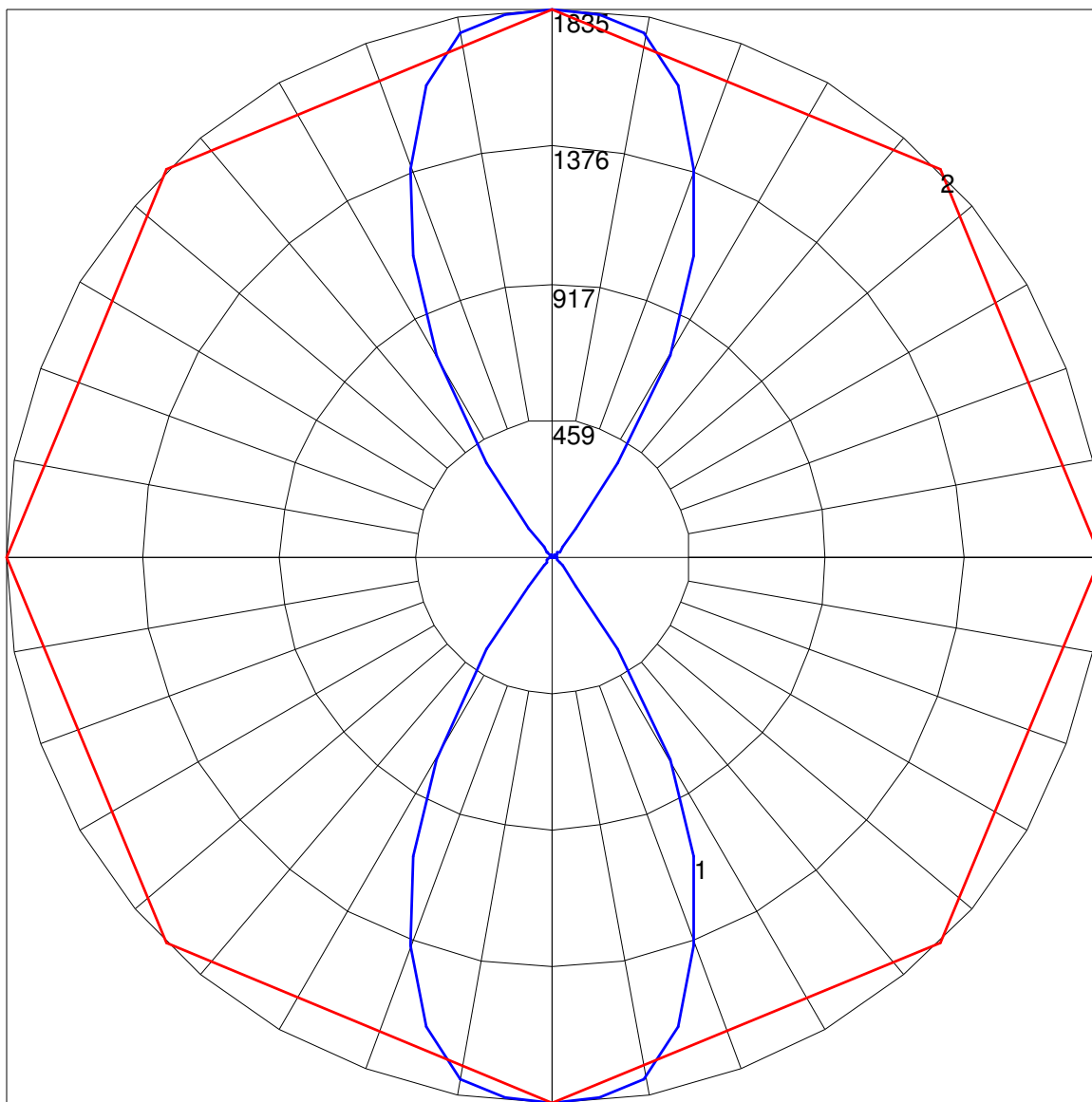
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	735.1	25.0
Downward House Side	735.1	25.0
Downward Total	1470.2	50.0
Upward Street Side	735.1	25.0
Upward House Side	735.1	25.0
Upward Total	1470.2	50.0
Total Flux	2940.4	100.0

# IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-950U-L15-950D-XXX-DIM-UNV-W-XX\_.IES

## POLAR GRAPH

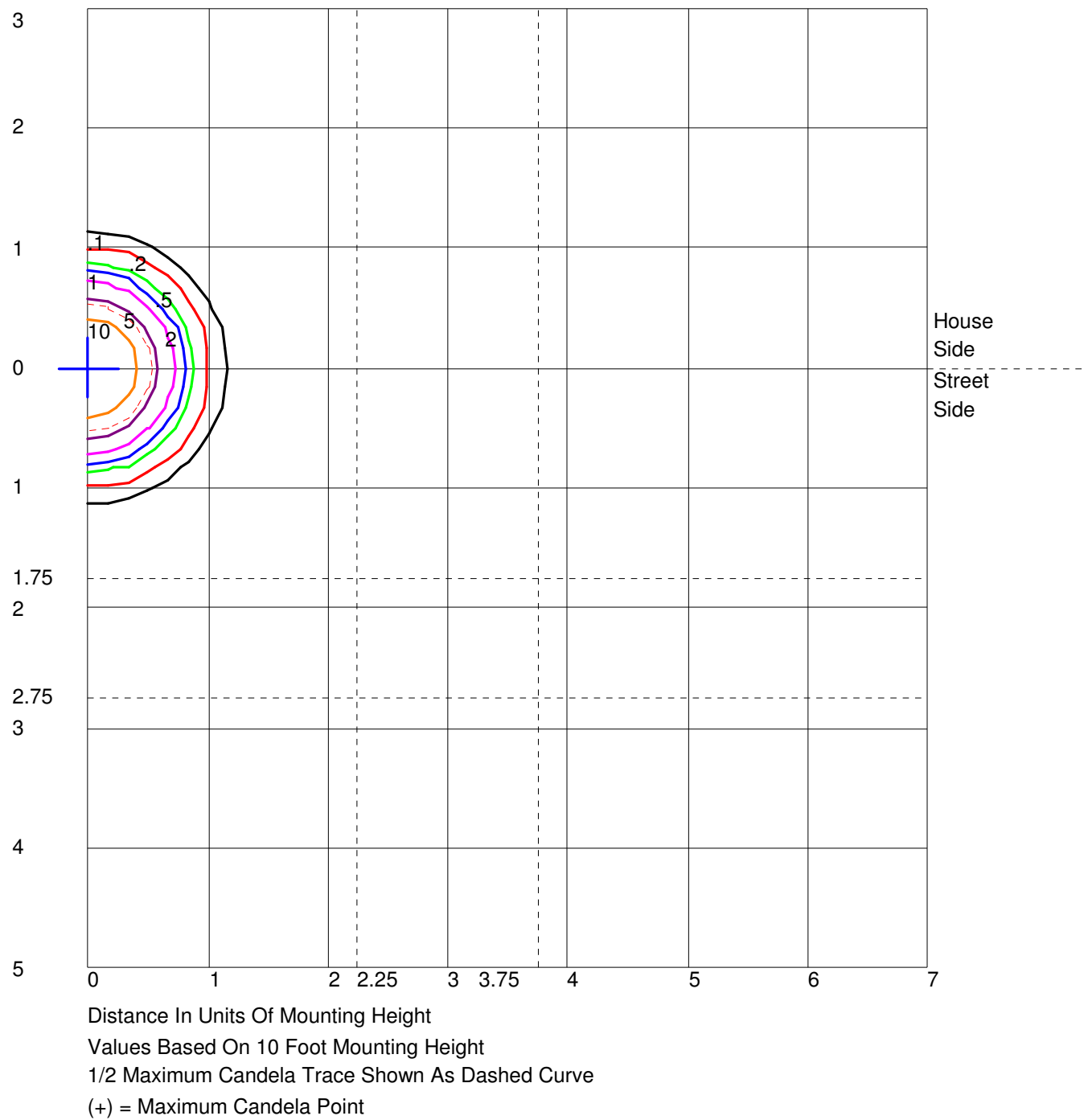


Maximum Candela = 1834.73 Located At Horizontal Angle = 360, Vertical Angle = 0

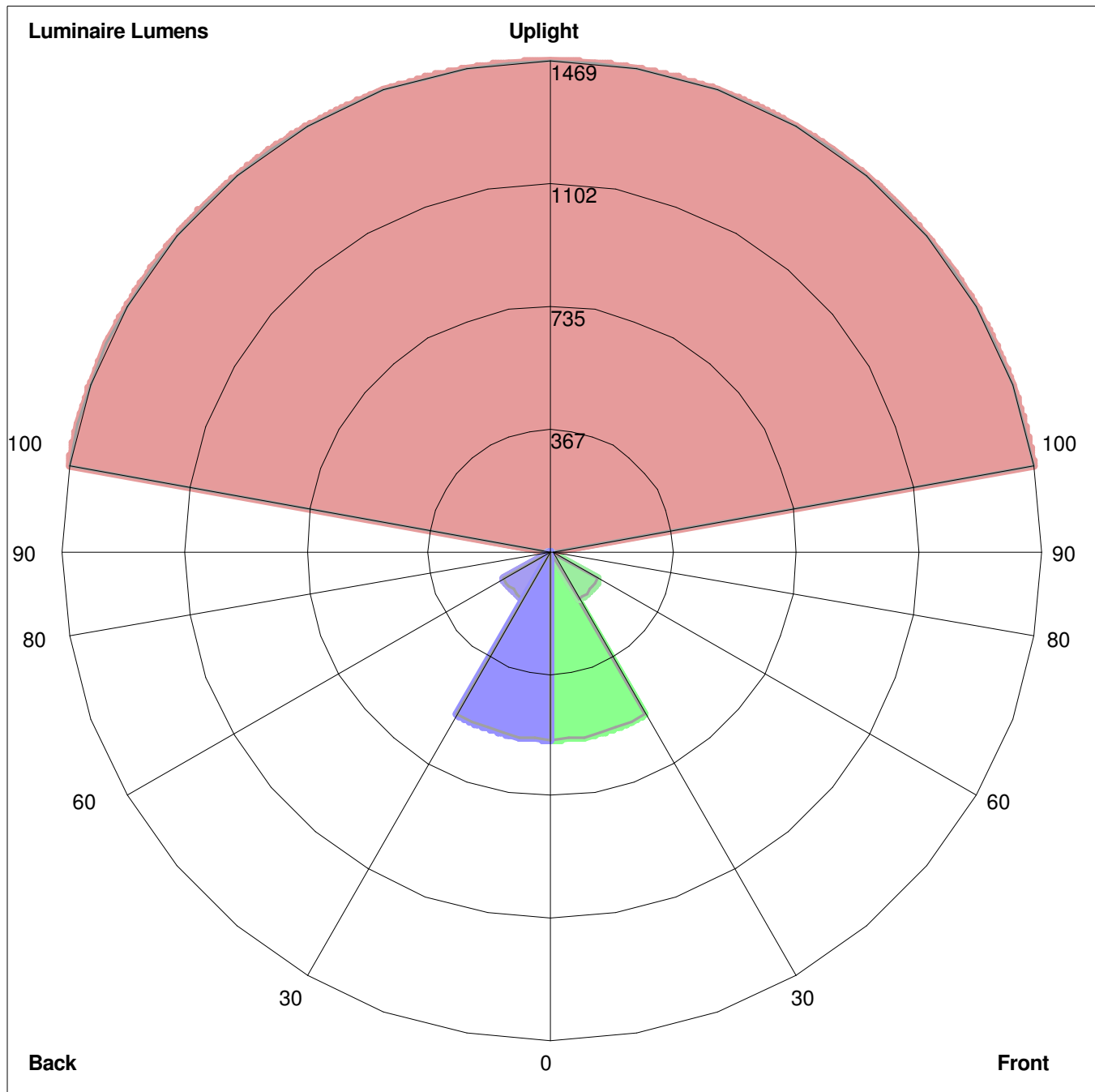
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=563.7, Medium=164.0, High=6.9, Very High=0.5  
Back: Low=563.7, Medium=164.0, High=6.9, Very High=0.5  
Uplight: Low=1.0, High=1469.2

BUG Rating : B2-U5-G0