

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-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-L15-930U-L15-930D-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	2972
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1854.249
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1854.249
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.463 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.278 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-930U-L15-930D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	569.7	N.A.	19.2
FM - Front-Medium (30-60)	165.7	N.A.	5.6
FH - Front-High (60-80)	7.0	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	569.7	N.A.	19.2
BM - Back-Medium (30-60)	165.7	N.A.	5.6
BH - Back-High (60-80)	7.0	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)	1484.8	N.A.	50.0
Total	2971.6	N.A.	100.0
BUG Rating	B2-U5-G0		

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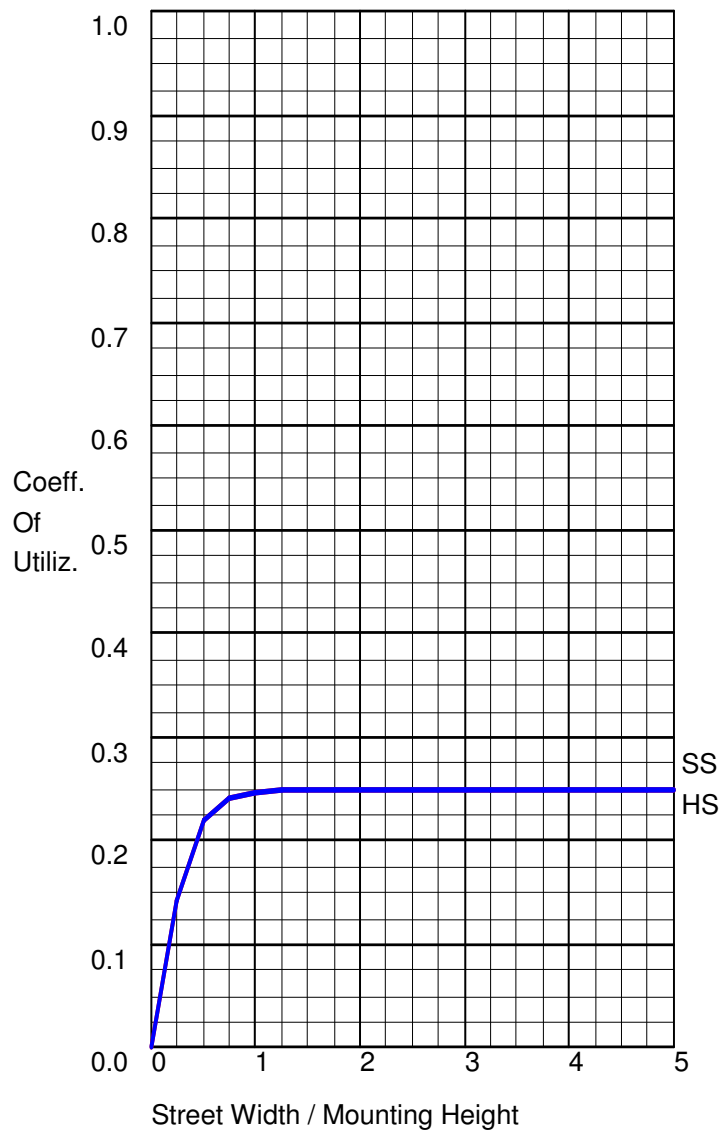
## CANDELA TABULATION

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	1854.249	1854.249	1854.249	1854.249	1854.249	1854.249	1854.249	1854.249	1854.249
5	1845.894	1843.477	1847.233	1843.477	1845.894	1843.477	1847.233	1843.477	1845.894
10	1800.819	1800.263	1798.528	1800.263	1800.819	1800.263	1798.528	1800.263	1800.819
15	1653.104	1649.596	1652.652	1649.596	1653.104	1649.596	1652.652	1649.596	1653.104
20	1402.258	1400.606	1405.959	1400.606	1402.258	1400.606	1405.959	1400.606	1402.258
25	1124.362	1125.050	1128.993	1125.050	1124.362	1125.050	1128.993	1125.050	1124.362
30	790.002	799.061	797.326	799.061	790.002	799.061	797.326	799.061	790.002
35	385.906	392.553	400.527	392.553	385.906	392.553	400.527	392.553	385.906
40	126.012	130.495	136.723	130.495	126.012	130.495	136.723	130.495	126.012
45	47.283	50.235	53.848	50.235	47.283	50.235	53.848	50.235	47.283
50	28.400	29.573	30.939	29.573	28.400	29.573	30.939	29.573	28.400
55	20.332	20.894	21.362	20.894	20.332	20.894	21.362	20.894	20.332
60	14.313	14.533	14.726	14.533	14.313	14.533	14.726	14.533	14.313
65	9.626	9.654	9.758	9.654	9.626	9.654	9.758	9.654	9.626
70	6.476	6.432	6.432	6.432	6.476	6.432	6.432	6.432	6.476
75	3.805	3.701	3.684	3.701	3.805	3.701	3.684	3.701	3.805
80	1.278	1.267	1.245	1.267	1.278	1.267	1.245	1.267	1.278
85	0.936	0.925	0.909	0.925	0.936	0.925	0.909	0.925	0.936
90	0.463	0.441	0.385	0.441	0.463	0.441	0.385	0.441	0.463
95	0.936	0.925	0.909	0.925	0.936	0.925	0.909	0.925	0.936
100	1.278	1.267	1.245	1.267	1.278	1.267	1.245	1.267	1.278
105	3.805	3.701	3.684	3.701	3.805	3.701	3.684	3.701	3.805
110	6.476	6.432	6.432	6.432	6.476	6.432	6.432	6.432	6.476
115	9.626	9.654	9.758	9.654	9.626	9.654	9.758	9.654	9.626
120	14.313	14.533	14.726	14.533	14.313	14.533	14.726	14.533	14.313
125	20.332	20.894	21.362	20.894	20.332	20.894	21.362	20.894	20.332
130	28.400	29.573	30.939	29.573	28.400	29.573	30.939	29.573	28.400
135	47.283	50.235	53.848	50.235	47.283	50.235	53.848	50.235	47.283
140	126.012	130.495	136.723	130.495	126.012	130.495	136.723	130.495	126.012
145	385.906	392.553	400.527	392.553	385.906	392.553	400.527	392.553	385.906
150	790.002	799.061	797.326	799.061	790.002	799.061	797.326	799.061	790.002
155	1124.362	1125.050	1128.993	1125.050	1124.362	1125.050	1128.993	1125.050	1124.362
160	1402.258	1400.606	1405.959	1400.606	1402.258	1400.606	1405.959	1400.606	1402.258
165	1653.104	1649.596	1652.652	1649.596	1653.104	1649.596	1652.652	1649.596	1653.104
170	1800.819	1800.263	1798.528	1800.263	1800.819	1800.263	1798.528	1800.263	1800.819
175	1845.894	1843.477	1847.233	1843.477	1845.894	1843.477	1847.233	1843.477	1845.894
180	1854.221	1854.221	1854.221	1854.221	1854.221	1854.221	1854.221	1854.221	1854.221

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### COEFFICIENTS OF UTILIZATION



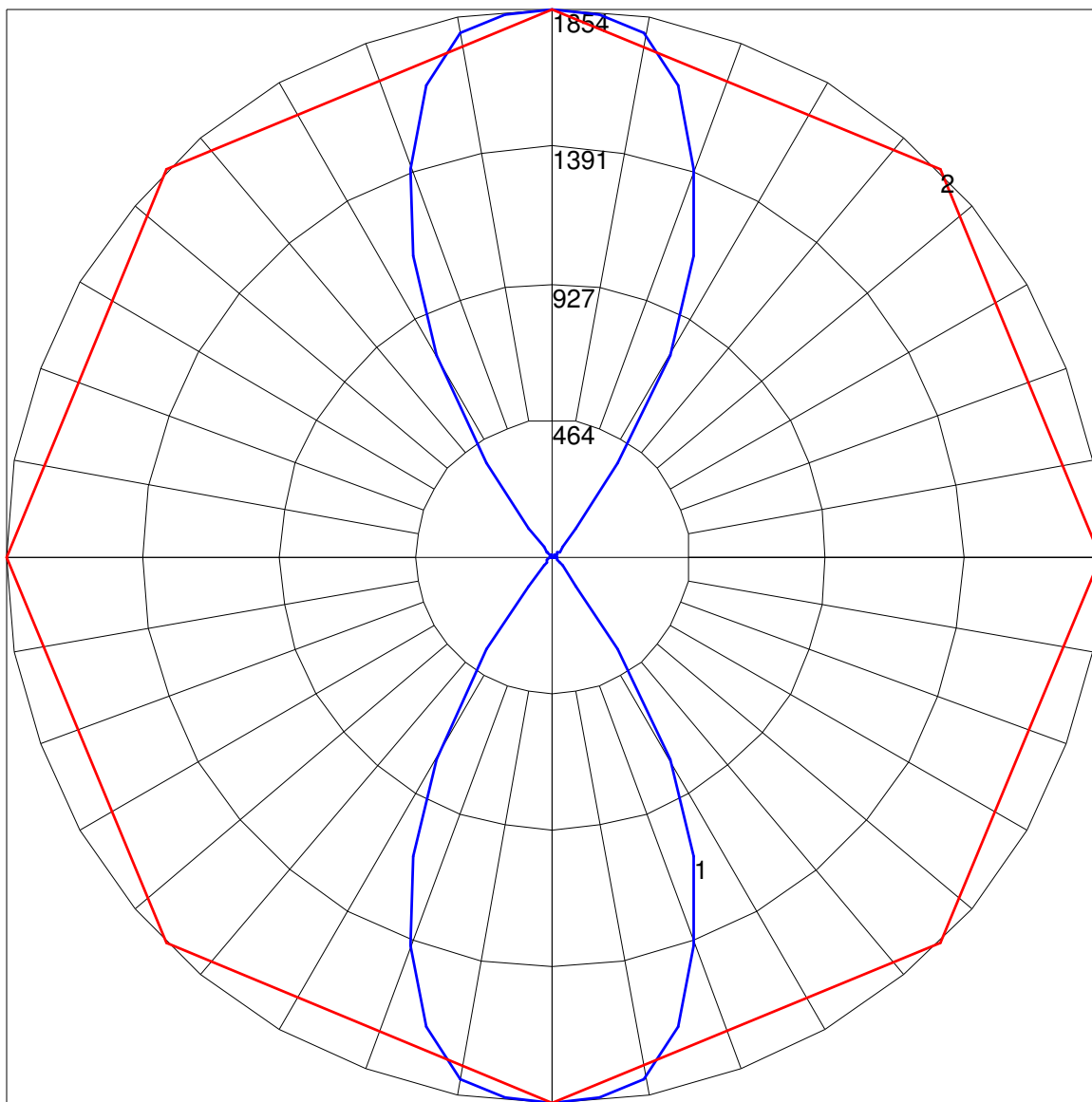
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	742.9	25.0
Downward House Side	742.9	25.0
Downward Total	1485.8	50.0
Upward Street Side	742.9	25.0
Upward House Side	742.9	25.0
Upward Total	1485.8	50.0
Total Flux	2971.6	100.0

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## POLAR GRAPH

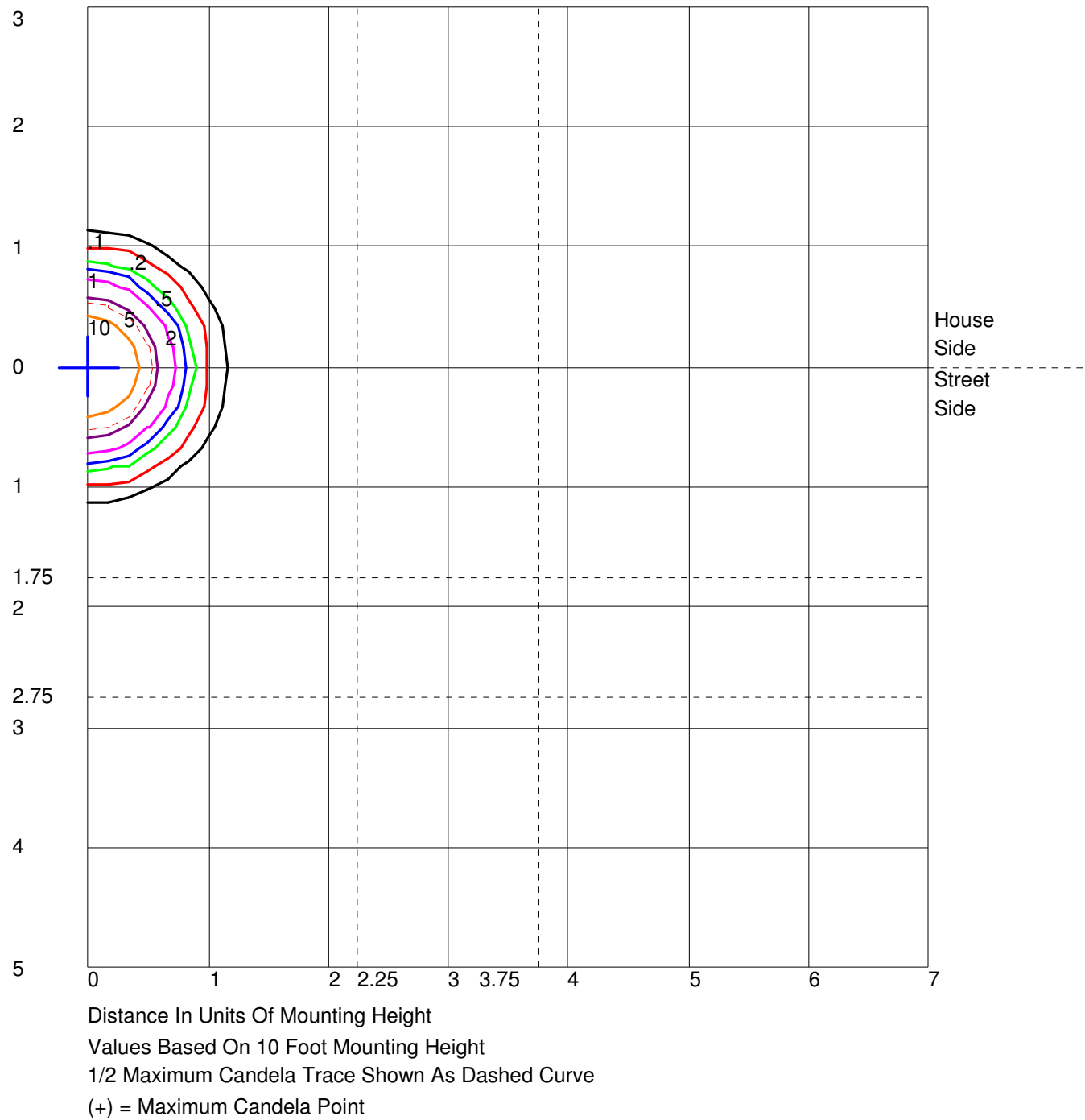


Maximum Candela = 1854.249 Located At Horizontal Angle = 360, Vertical Angle = 0

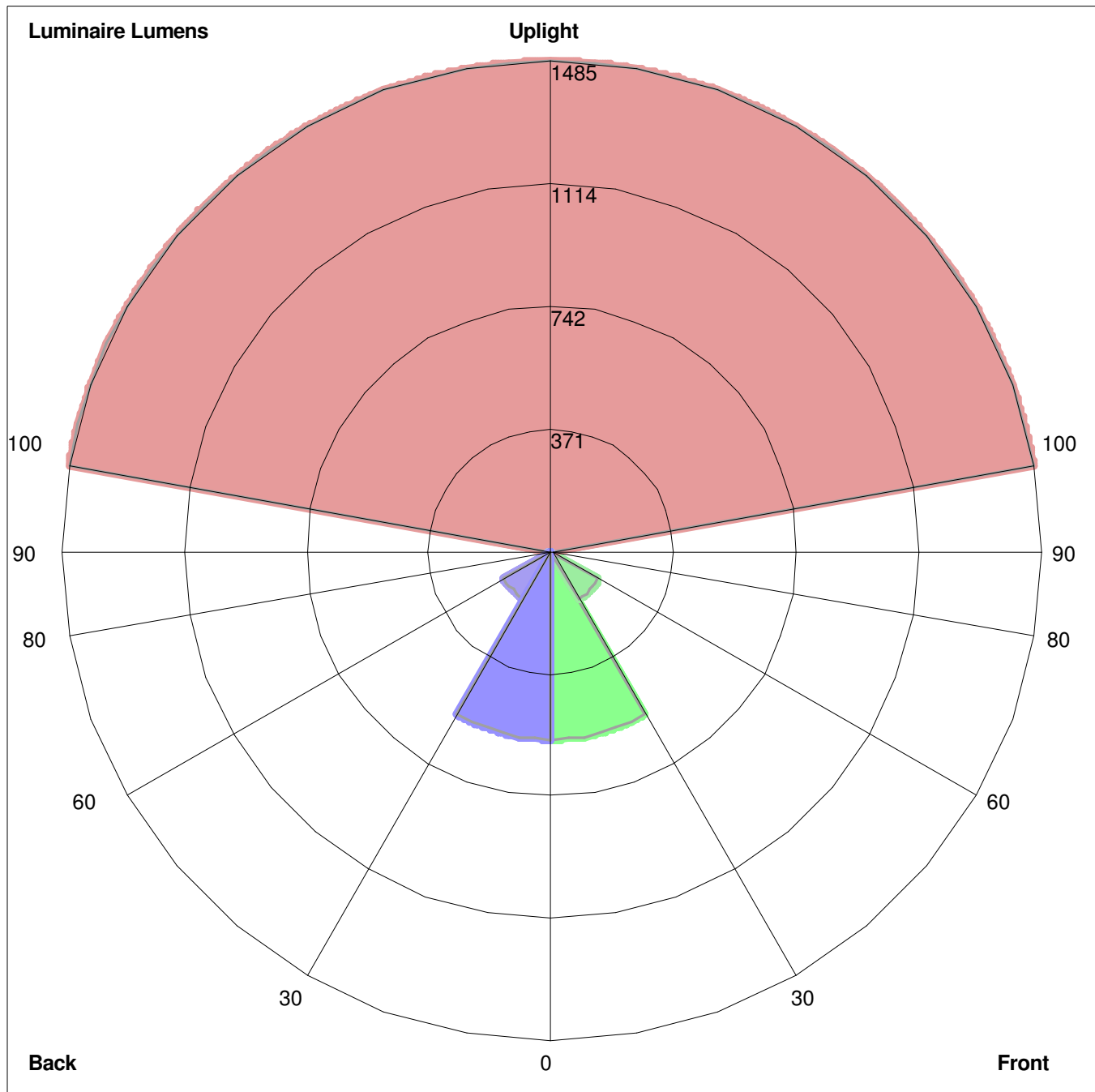
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=569.7, Medium=165.7, High=7.0, Very High=0.5  
Back: Low=569.7, Medium=165.7, High=7.0, Very High=0.5  
Uplight: Low=1.0, High=1484.8

BUG Rating : B2-U5-G0