

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-XXX-DIM-UNV-M-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W4CR_BARBARA-MEDIUM DIST
[TESTLAB] LEDIL Inc
[TESTDATE] 07/03/2025
[ISSUE DATE] 2025-08-07
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO
[LUMCAT] W4CRDI-xx-L15-830U-L15-830D-xxx-DIM-UNV-M-xx
[LUMINAIRE] 4 INCH ROUND DIRECT-INDIRECT OUTDOOR LED CYLINDER
[MORE] MEDIUM DISTRIBUTION WITH MICROPRISM LENS
[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	3076
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2888.753
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2888.753
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.43 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.225 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L15-830U-L15-830D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	635.2	N.A.	20.7
FM - Front-Medium (30-60)	126.4	N.A.	4.1
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)	635.2	N.A.	20.7
BM - Back-Medium (30-60)	126.4	N.A.	4.1
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)	0.9	N.A.	0.0
UH - Uplight-High (100-180)	1537.1	N.A.	50.0
Total	3076.0	N.A.	100.0
BUG Rating	B2-U5-G0		

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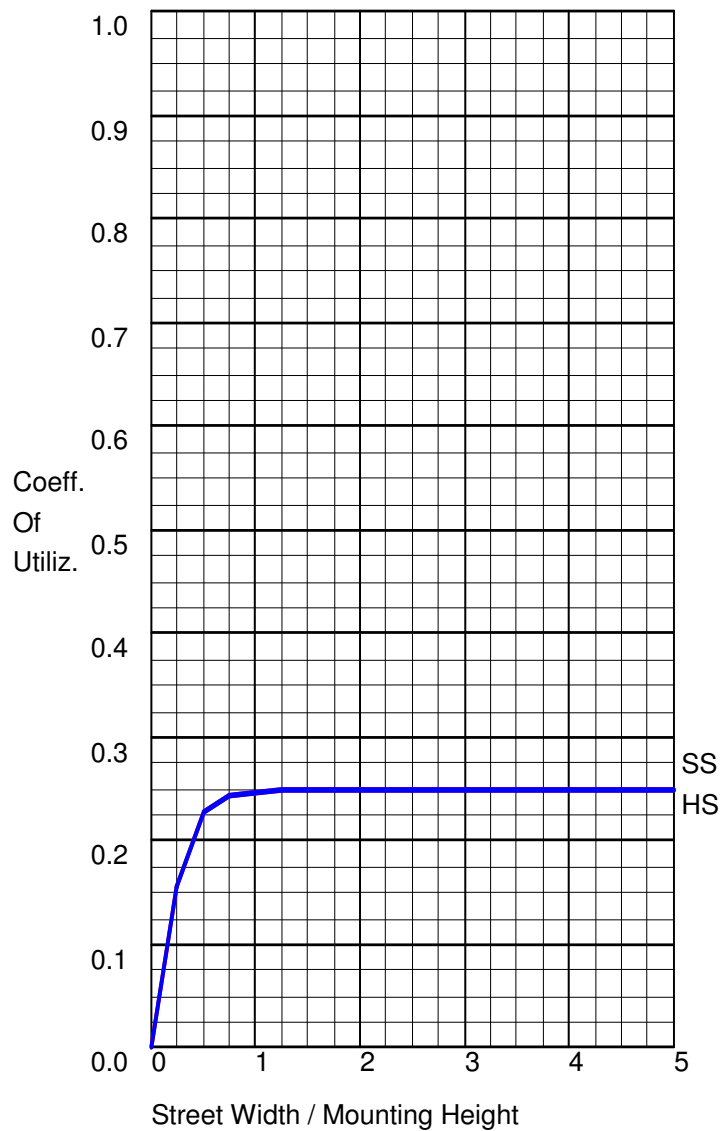
CANDELA TABULATION

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	2888.753	2888.753	2888.753	2888.753	2888.753	2888.753	2888.753	2888.753	2888.753
5	2792.044	2785.220	2782.489	2785.220	2792.044	2785.220	2782.489	2785.220	2792.044
10	2474.293	2473.571	2468.005	2473.571	2474.293	2473.571	2468.005	2473.571	2474.293
15	1960.989	1963.355	1973.186	1963.355	1960.989	1963.355	1973.186	1963.355	1960.989
20	1430.318	1439.564	1455.799	1439.564	1430.318	1439.564	1455.799	1439.564	1430.318
25	1012.929	1020.514	1031.916	1020.514	1012.929	1020.514	1031.916	1020.514	1012.929
30	645.469	657.385	660.474	657.385	645.469	657.385	660.474	657.385	645.469
35	281.932	286.913	291.260	286.913	281.932	286.913	291.260	286.913	281.932
40	79.410	81.782	86.162	81.782	79.410	81.782	86.162	81.782	79.410
45	33.386	35.317	38.147	35.317	33.386	35.317	38.147	35.317	33.386
50	25.282	26.121	27.180	26.121	25.282	26.121	27.180	26.121	25.282
55	20.174	20.560	20.935	20.560	20.174	20.560	20.935	20.560	20.174
60	14.244	14.387	14.624	14.387	14.244	14.387	14.624	14.387	14.244
65	9.510	9.521	9.670	9.521	9.510	9.521	9.670	9.521	9.510
70	6.471	6.416	6.482	6.416	6.471	6.416	6.482	6.416	6.471
75	3.851	3.751	3.784	3.751	3.851	3.751	3.784	3.751	3.851
80	1.225	1.208	1.192	1.208	1.225	1.208	1.192	1.208	1.225
85	0.888	0.888	0.877	0.888	0.888	0.888	0.877	0.888	0.888
90	0.430	0.419	0.364	0.419	0.430	0.419	0.364	0.419	0.430
95	0.888	0.888	0.877	0.888	0.888	0.888	0.877	0.888	0.888
100	1.225	1.208	1.192	1.208	1.225	1.208	1.192	1.208	1.225
105	3.851	3.751	3.784	3.751	3.851	3.751	3.784	3.751	3.851
110	6.471	6.416	6.482	6.416	6.471	6.416	6.482	6.416	6.471
115	9.510	9.521	9.670	9.521	9.510	9.521	9.670	9.521	9.510
120	14.244	14.387	14.624	14.387	14.244	14.387	14.624	14.387	14.244
125	20.174	20.560	20.935	20.560	20.174	20.560	20.935	20.560	20.174
130	25.282	26.121	27.180	26.121	25.282	26.121	27.180	26.121	25.282
135	33.386	35.317	38.147	35.317	33.386	35.317	38.147	35.317	33.386
140	79.410	81.782	86.162	81.782	79.410	81.782	86.162	81.782	79.410
145	281.932	286.913	291.260	286.913	281.932	286.913	291.260	286.913	281.932
150	645.469	657.385	660.474	657.385	645.469	657.385	660.474	657.385	645.469
155	1012.929	1020.514	1031.916	1020.514	1012.929	1020.514	1031.916	1020.514	1012.929
160	1430.318	1439.564	1455.799	1439.564	1430.318	1439.564	1455.799	1439.564	1430.318
165	1960.989	1963.355	1973.186	1963.355	1960.989	1963.355	1973.186	1963.355	1960.989
170	2474.293	2473.571	2468.005	2473.571	2474.293	2473.571	2468.005	2473.571	2474.293
175	2792.044	2785.220	2782.489	2785.220	2792.044	2785.220	2782.489	2785.220	2792.044
180	2888.439	2888.439	2888.439	2888.439	2888.439	2888.439	2888.439	2888.439	2888.439

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COEFFICIENTS OF UTILIZATION



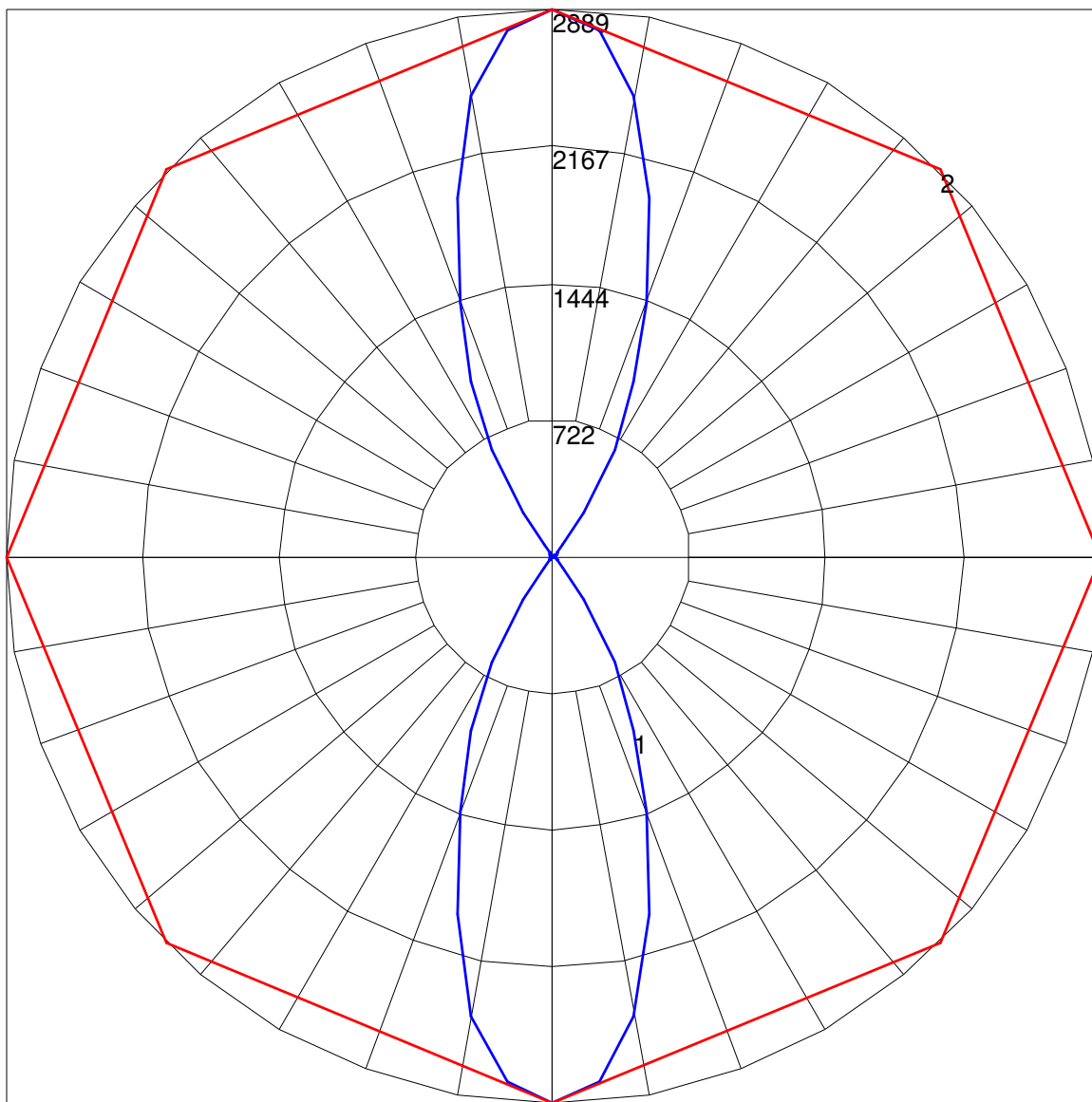
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	769.0	25.0
Downward House Side	769.0	25.0
Downward Total	1538.0	50.0
Upward Street Side	769.0	25.0
Upward House Side	769.0	25.0
Upward Total	1538.0	50.0
Total Flux	3076.0	100.0

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POLAR GRAPH



Maximum Candela = 2888.753 Located At Horizontal Angle = 360, Vertical Angle = 0

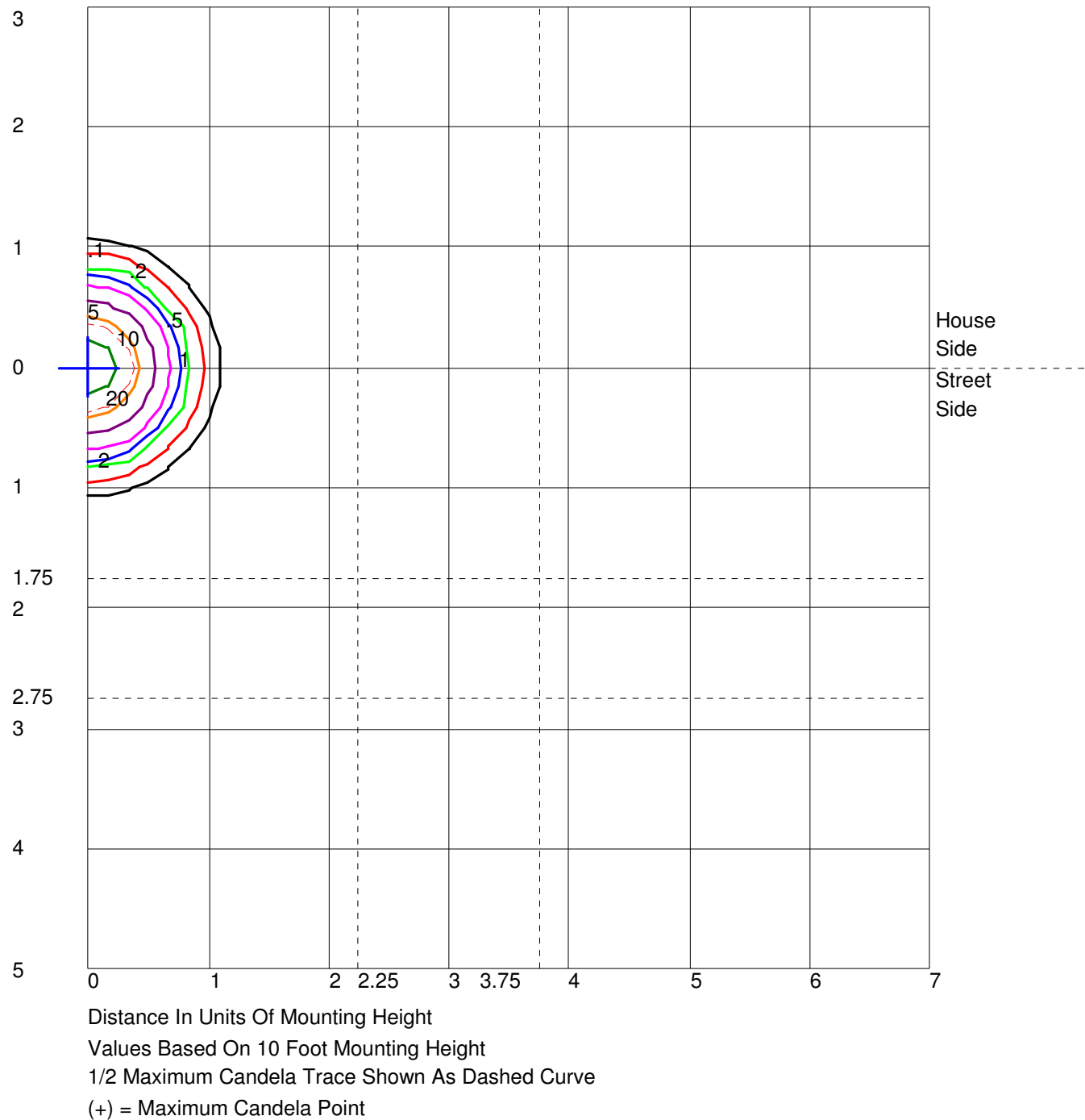
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

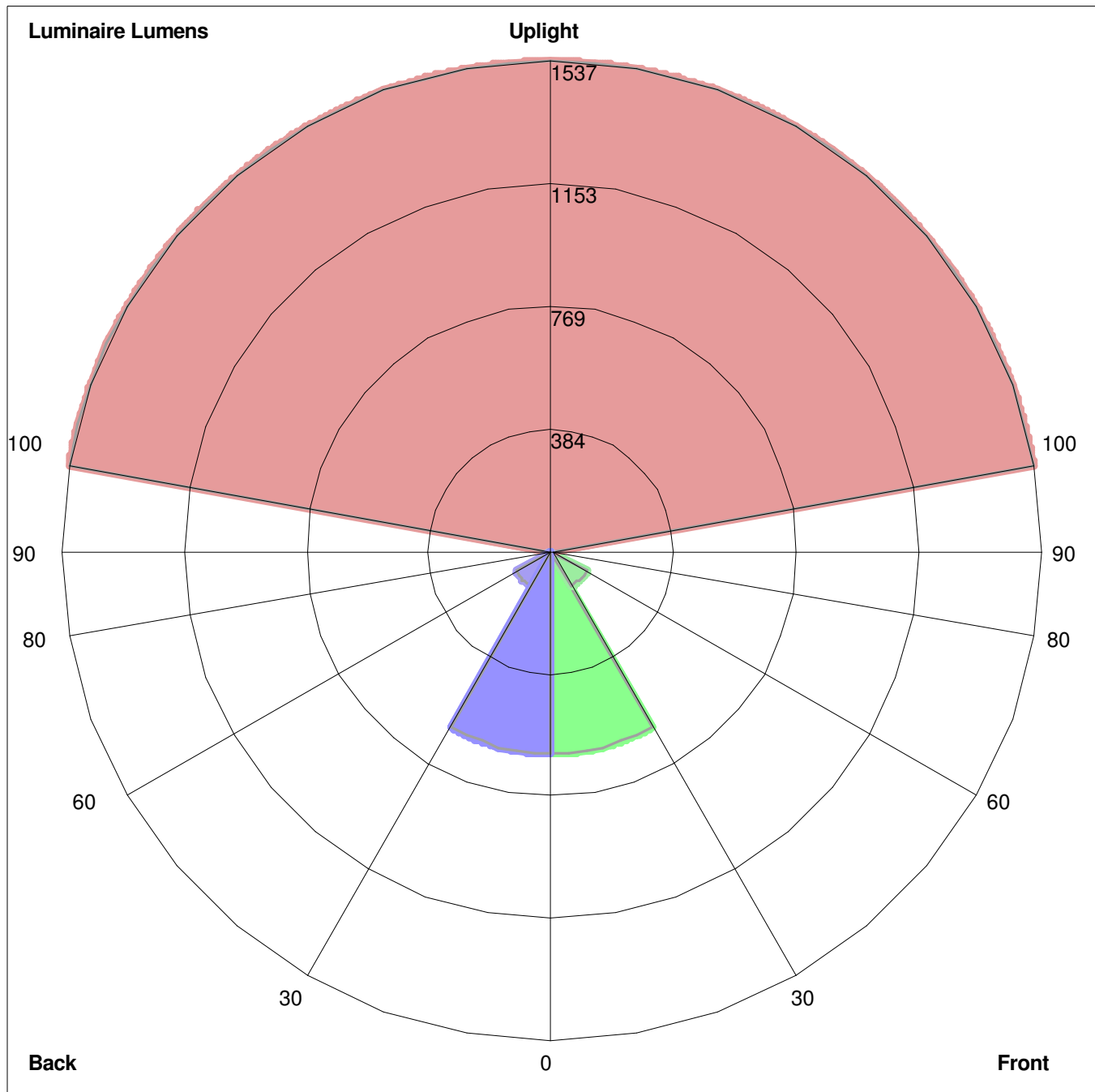
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=635.2, Medium=126.4, High=6.9, Very High=0.5
Back: Low=635.2, Medium=126.4, High=6.9, Very High=0.5
Uplight: Low=0.9, High=1537.1

BUG Rating : B2-U5-G0