

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-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  
[ISSUEDATE] 2025-08-07  
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO  
[LUMCAT] W4CRDI-xx-L15-827U-L15-827D-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	3015
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	2830.978
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	2830.978
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.422 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.2 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-827U-L15-827D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	622.5	N.A.	20.6
FM - Front-Medium (30-60)	123.9	N.A.	4.1
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)	622.5	N.A.	20.6
BM - Back-Medium (30-60)	123.9	N.A.	4.1
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)	1506.4	N.A.	50.0
Total	3014.7	N.A.	100.0
BUG Rating	B2-U5-G0		

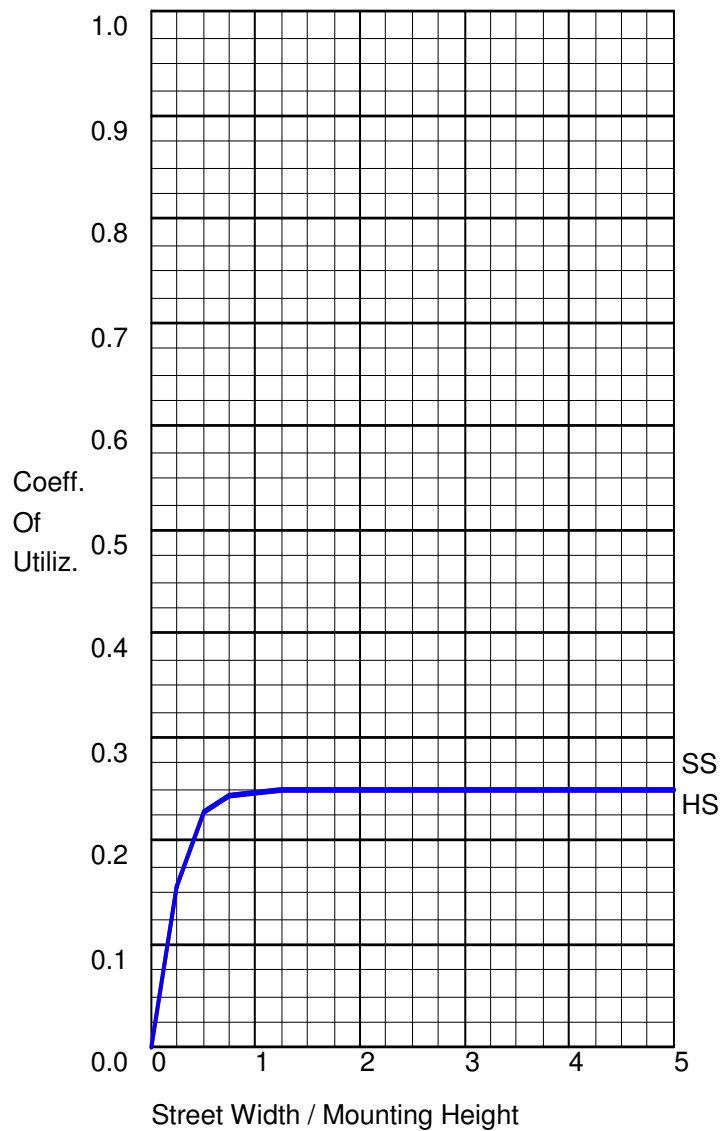
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## CANDELA TABULATION

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	2830.978	2830.978	2830.978	2830.978	2830.978	2830.978	2830.978	2830.978	2830.978
5	2736.203	2729.515	2726.839	2729.515	2736.203	2729.515	2726.839	2729.515	2736.203
10	2424.807	2424.099	2418.644	2424.099	2424.807	2424.099	2418.644	2424.099	2424.807
15	1921.769	1924.088	1933.722	1924.088	1921.769	1924.088	1933.722	1924.088	1921.769
20	1401.712	1410.772	1426.683	1410.772	1401.712	1410.772	1426.683	1410.772	1401.712
25	992.670	1000.103	1011.278	1000.103	992.670	1000.103	1011.278	1000.103	992.670
30	632.560	644.237	647.264	644.237	632.560	644.237	647.264	644.237	632.560
35	276.293	281.175	285.435	281.175	276.293	281.175	285.435	281.175	276.293
40	77.822	80.146	84.439	80.146	77.822	80.146	84.439	80.146	77.822
45	32.718	34.610	37.384	34.610	32.718	34.610	37.384	34.610	32.718
50	24.776	25.598	26.636	25.598	24.776	25.598	26.636	25.598	24.776
55	19.770	20.149	20.516	20.149	19.770	20.149	20.516	20.149	19.770
60	13.959	14.099	14.332	14.099	13.959	14.099	14.332	14.099	13.959
65	9.320	9.331	9.477	9.331	9.320	9.331	9.477	9.331	9.320
70	6.341	6.287	6.352	6.287	6.341	6.287	6.352	6.287	6.341
75	3.774	3.676	3.709	3.676	3.774	3.676	3.709	3.676	3.774
80	1.200	1.184	1.168	1.184	1.200	1.184	1.168	1.184	1.200
85	0.870	0.870	0.860	0.870	0.870	0.870	0.860	0.870	0.870
90	0.422	0.411	0.357	0.411	0.422	0.411	0.357	0.411	0.422
95	0.870	0.870	0.860	0.870	0.870	0.870	0.860	0.870	0.870
100	1.200	1.184	1.168	1.184	1.200	1.184	1.168	1.184	1.200
105	3.774	3.676	3.709	3.676	3.774	3.676	3.709	3.676	3.774
110	6.341	6.287	6.352	6.287	6.341	6.287	6.352	6.287	6.341
115	9.320	9.331	9.477	9.331	9.320	9.331	9.477	9.331	9.320
120	13.959	14.099	14.332	14.099	13.959	14.099	14.332	14.099	13.959
125	19.770	20.149	20.516	20.149	19.770	20.149	20.516	20.149	19.770
130	24.776	25.598	26.636	25.598	24.776	25.598	26.636	25.598	24.776
135	32.718	34.610	37.384	34.610	32.718	34.610	37.384	34.610	32.718
140	77.822	80.146	84.439	80.146	77.822	80.146	84.439	80.146	77.822
145	276.293	281.175	285.435	281.175	276.293	281.175	285.435	281.175	276.293
150	632.560	644.237	647.264	644.237	632.560	644.237	647.264	644.237	632.560
155	992.670	1000.103	1011.278	1000.103	992.670	1000.103	1011.278	1000.103	992.670
160	1401.712	1410.772	1426.683	1410.772	1401.712	1410.772	1426.683	1410.772	1401.712
165	1921.769	1924.088	1933.722	1924.088	1921.769	1924.088	1933.722	1924.088	1921.769
170	2424.807	2424.099	2418.644	2424.099	2424.807	2424.099	2418.644	2424.099	2424.807
175	2736.203	2729.515	2726.839	2729.515	2736.203	2729.515	2726.839	2729.515	2736.203
180	2830.670	2830.670	2830.670	2830.670	2830.670	2830.670	2830.670	2830.670	2830.670

COEFFICIENTS OF UTILIZATION



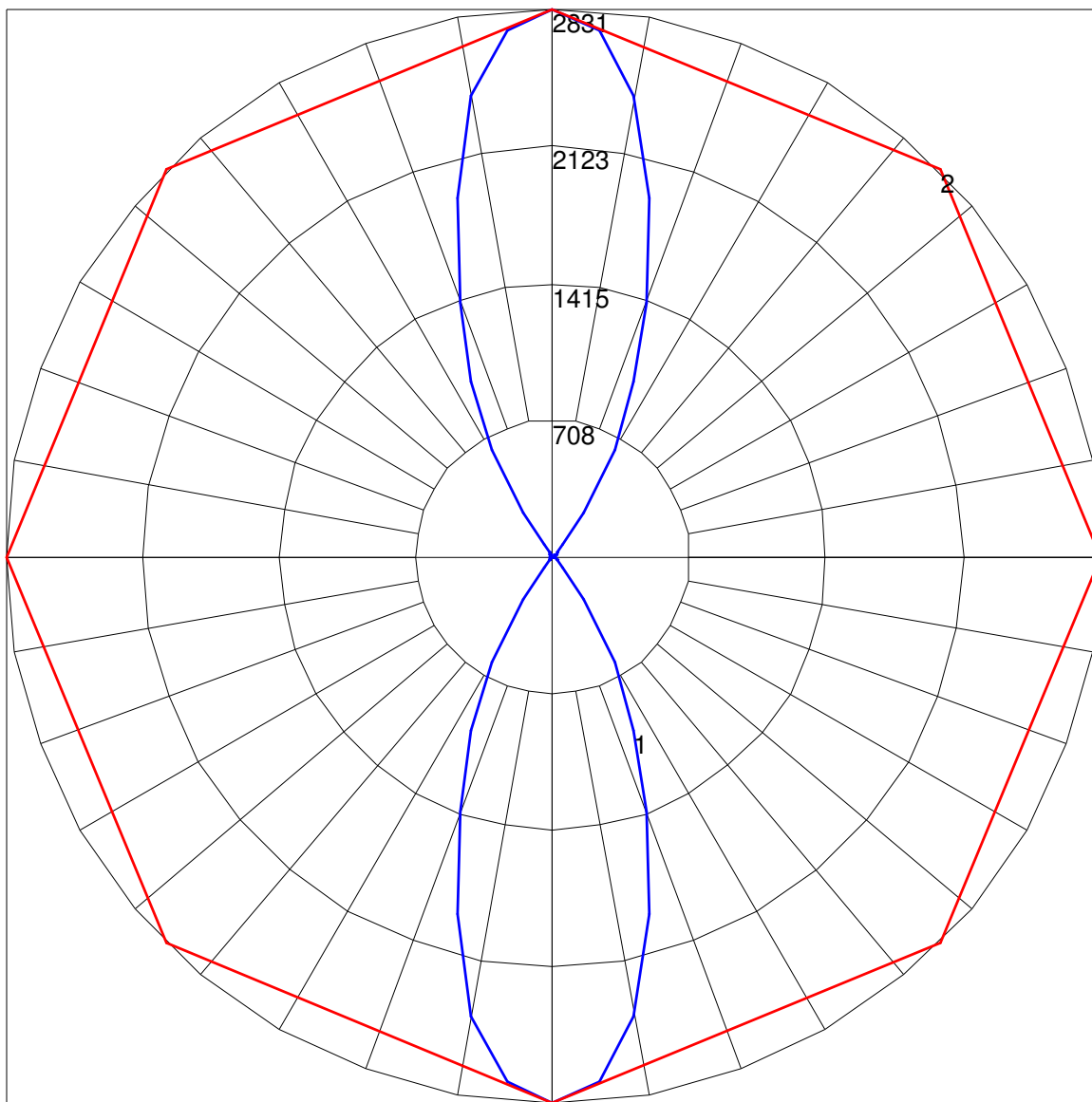
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	753.6	25.0
Downward House Side	753.6	25.0
Downward Total	1507.2	50.0
Upward Street Side	753.6	25.0
Upward House Side	753.6	25.0
Upward Total	1507.2	50.0
Total Flux	3014.4	100.0

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## POLAR GRAPH



Maximum Candela = 2830.978 Located At Horizontal Angle = 360, Vertical Angle = 0

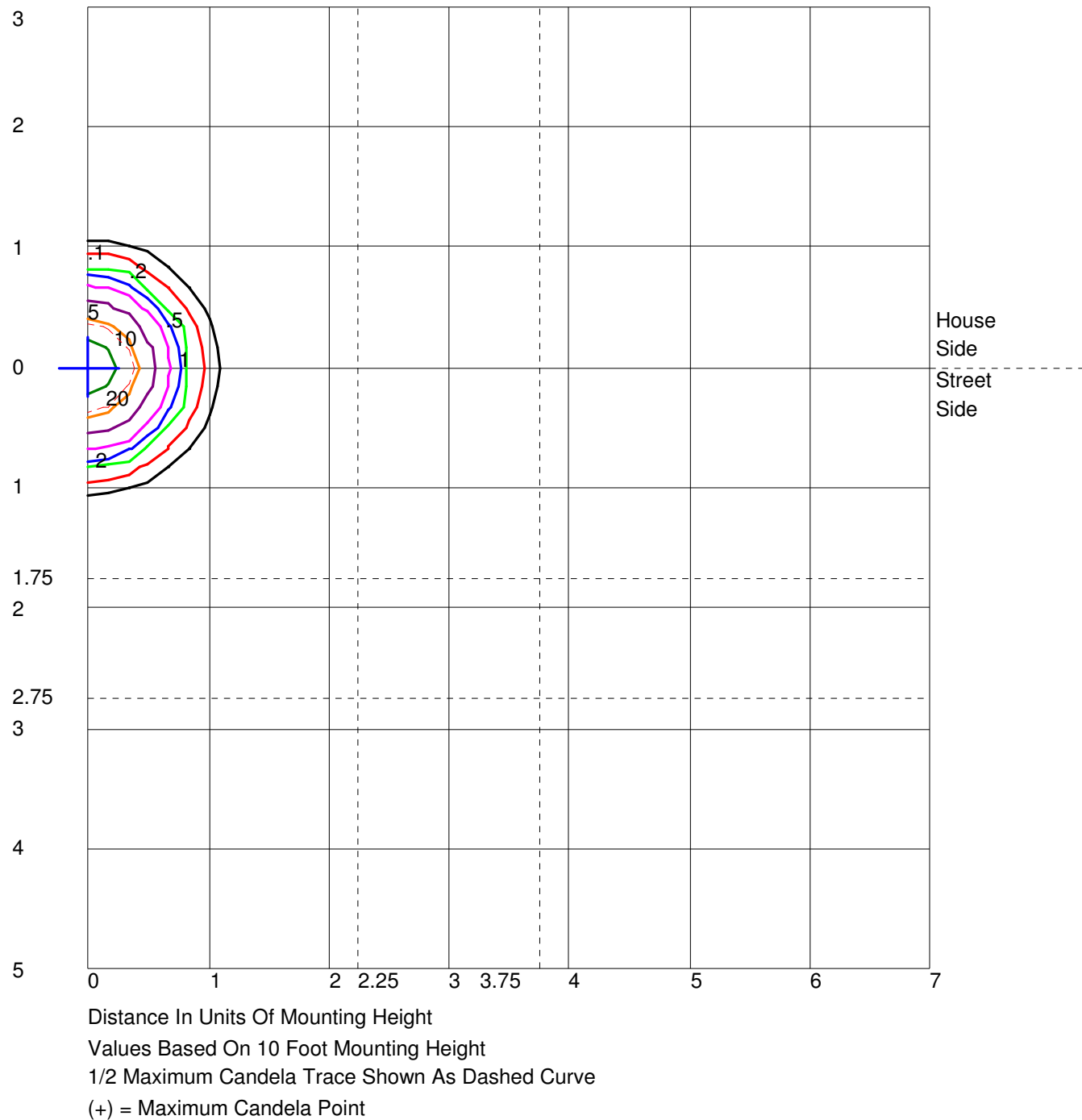
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

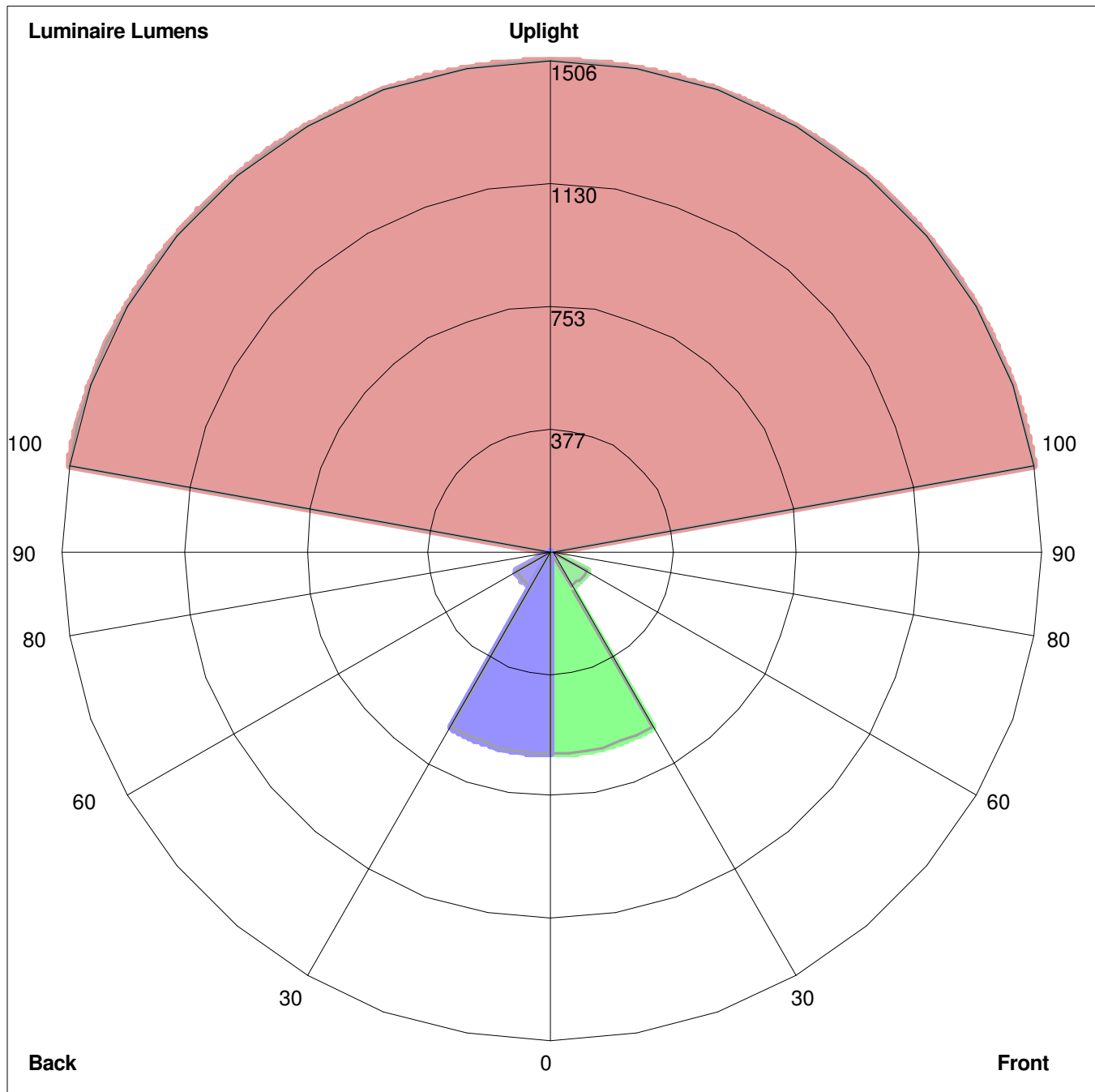
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=622.5, Medium=123.9, High=6.8, Very High=0.5  
Back: Low=622.5, Medium=123.9, High=6.8, Very High=0.5  
Uplight: Low=0.9, High=1506.4

BUG Rating : B2-U5-G0