

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-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-L15-940U-L15-940D-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	3034
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	27.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1893.285
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1893.285
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.472 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	1.305 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L15-940U-L15-940D-XXX-DIM-UNV-W-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	581.7	N.A.	19.2
FM - Front-Medium (30-60)	169.2	N.A.	5.6
FH - Front-High (60-80)	7.1	N.A.	0.2
FVH - Front-Very High (80-90)	0.5	N.A.	0.0
BL - Back-Low (0-30)	581.7	N.A.	19.2
BM - Back-Medium (30-60)	169.2	N.A.	5.6
BH - Back-High (60-80)	7.1	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)	1516.1	N.A.	50.0
Total	3034.1	N.A.	100.0
BUG Rating	B2-U5-G0		

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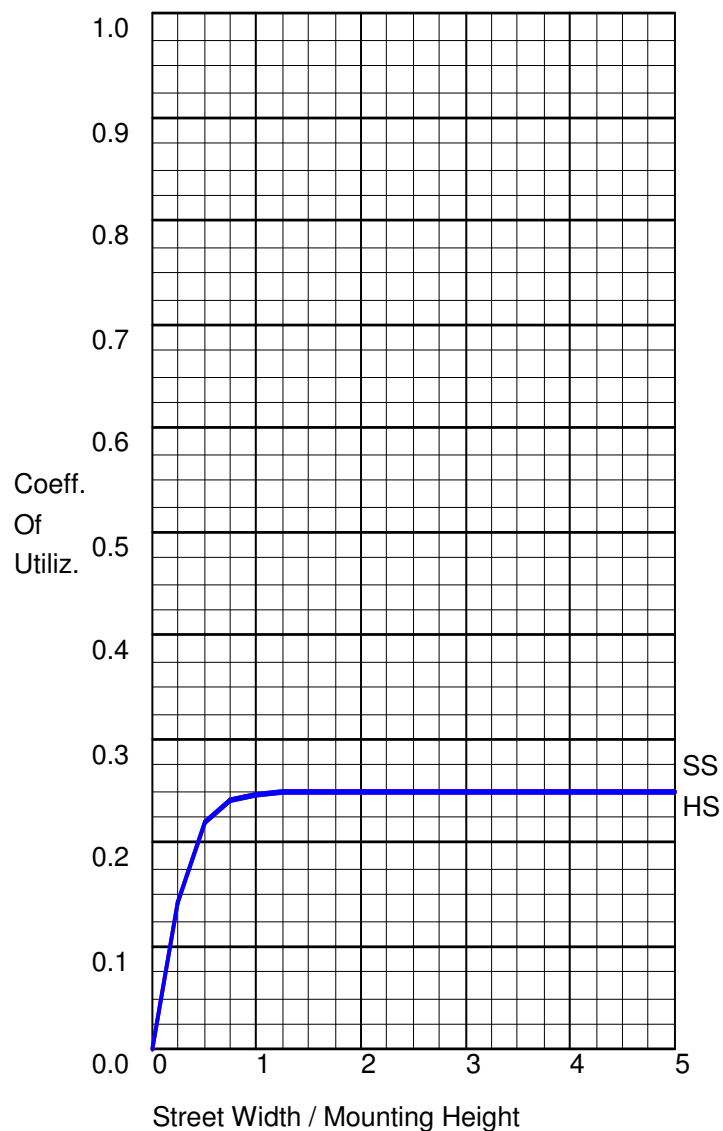
## CANDELA TABULATION

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	1893.285	1893.285	1893.285	1893.285	1893.285	1893.285	1893.285	1893.285	1893.285
5	1884.755	1882.287	1886.122	1882.287	1884.755	1882.287	1886.122	1882.287	1884.755
10	1838.731	1838.163	1836.392	1838.163	1838.731	1838.163	1836.392	1838.163	1838.731
15	1687.906	1684.324	1687.445	1684.324	1687.906	1684.324	1687.445	1684.324	1687.906
20	1431.779	1430.093	1435.558	1430.093	1431.779	1430.093	1435.558	1430.093	1431.779
25	1148.033	1148.735	1152.762	1148.735	1148.033	1148.735	1152.762	1148.735	1148.033
30	806.633	815.883	814.112	815.883	806.633	815.883	814.112	815.883	806.633
35	394.030	400.817	408.959	400.817	394.030	400.817	408.959	400.817	394.030
40	128.665	133.242	139.602	133.242	128.665	133.242	139.602	133.242	128.665
45	48.279	51.293	54.981	51.293	48.279	51.293	54.981	51.293	48.279
50	28.998	30.195	31.590	30.195	28.998	30.195	31.590	30.195	28.998
55	20.760	21.334	21.812	21.334	20.760	21.334	21.812	21.334	20.760
60	14.614	14.839	15.036	14.839	14.614	14.839	15.036	14.839	14.614
65	9.829	9.857	9.964	9.857	9.829	9.857	9.964	9.857	9.829
70	6.613	6.568	6.568	6.568	6.613	6.568	6.568	6.568	6.613
75	3.885	3.779	3.762	3.779	3.885	3.779	3.762	3.779	3.885
80	1.305	1.293	1.271	1.293	1.305	1.293	1.271	1.293	1.305
85	0.956	0.945	0.928	0.945	0.956	0.945	0.928	0.945	0.956
90	0.472	0.450	0.394	0.450	0.472	0.450	0.394	0.450	0.472
95	0.956	0.945	0.928	0.945	0.956	0.945	0.928	0.945	0.956
100	1.305	1.293	1.271	1.293	1.305	1.293	1.271	1.293	1.305
105	3.885	3.779	3.762	3.779	3.885	3.779	3.762	3.779	3.885
110	6.613	6.568	6.568	6.568	6.613	6.568	6.568	6.568	6.613
115	9.829	9.857	9.964	9.857	9.829	9.857	9.964	9.857	9.829
120	14.614	14.839	15.036	14.839	14.614	14.839	15.036	14.839	14.614
125	20.760	21.334	21.812	21.334	20.760	21.334	21.812	21.334	20.760
130	28.998	30.195	31.590	30.195	28.998	30.195	31.590	30.195	28.998
135	48.279	51.293	54.981	51.293	48.279	51.293	54.981	51.293	48.279
140	128.665	133.242	139.602	133.242	128.665	133.242	139.602	133.242	128.665
145	394.030	400.817	408.959	400.817	394.030	400.817	408.959	400.817	394.030
150	806.633	815.883	814.112	815.883	806.633	815.883	814.112	815.883	806.633
155	1148.033	1148.735	1152.762	1148.735	1148.033	1148.735	1152.762	1148.735	1148.033
160	1431.779	1430.093	1435.558	1430.093	1431.779	1430.093	1435.558	1430.093	1431.779
165	1687.906	1684.324	1687.445	1684.324	1687.906	1684.324	1687.445	1684.324	1687.906
170	1838.731	1838.163	1836.392	1838.163	1838.731	1838.163	1836.392	1838.163	1838.731
175	1884.755	1882.287	1886.122	1882.287	1884.755	1882.287	1886.122	1882.287	1884.755
180	1893.257	1893.257	1893.257	1893.257	1893.257	1893.257	1893.257	1893.257	1893.257

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### COEFFICIENTS OF UTILIZATION



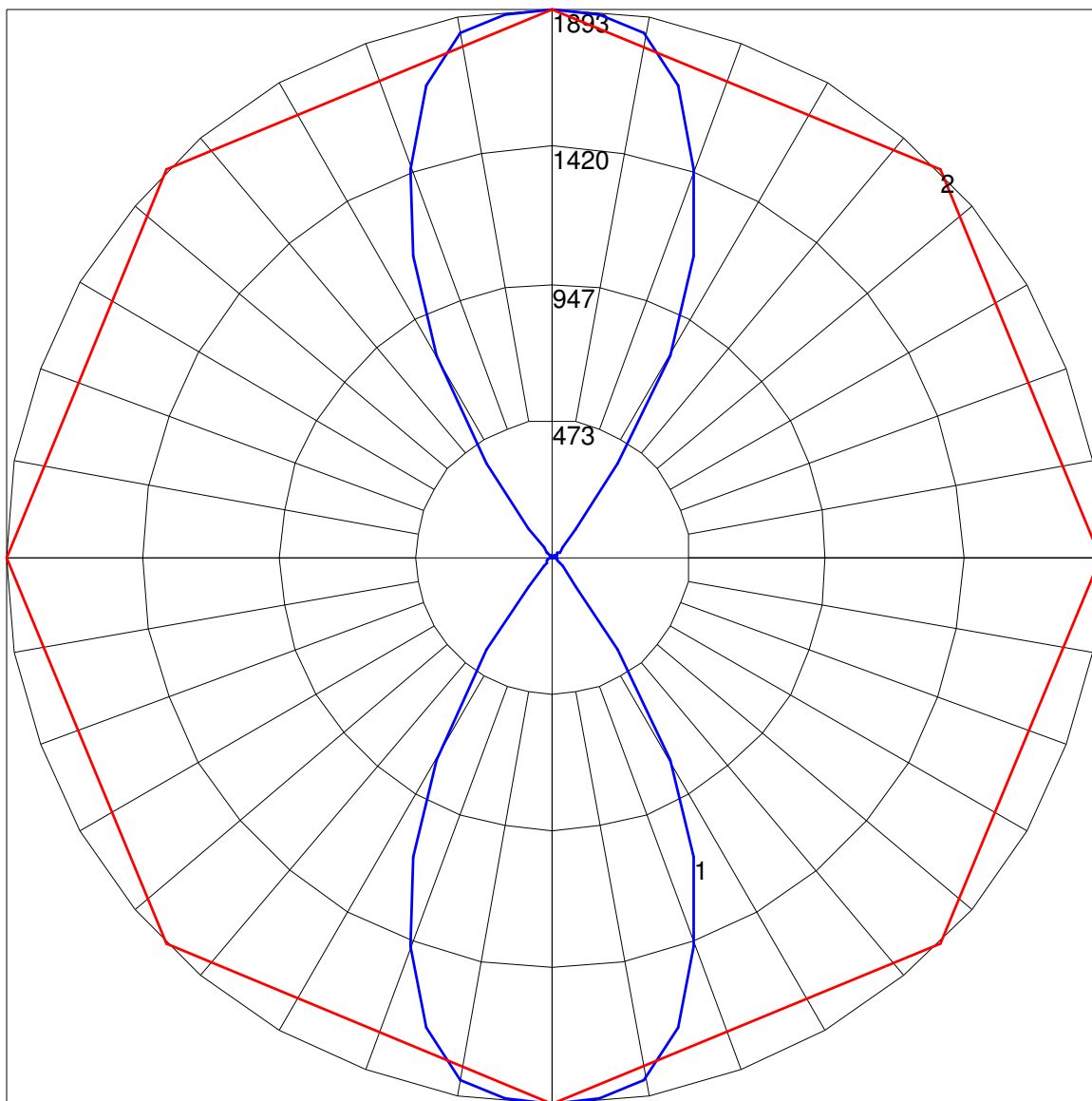
### FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	758.5	25.0
Downward House Side	758.5	25.0
Downward Total	1517.0	50.0
Upward Street Side	758.5	25.0
Upward House Side	758.5	25.0
Upward Total	1517.0	50.0
Total Flux	3034.0	100.0

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## POLAR GRAPH



Maximum Candela = 1893.285 Located At Horizontal Angle = 360, Vertical Angle = 0

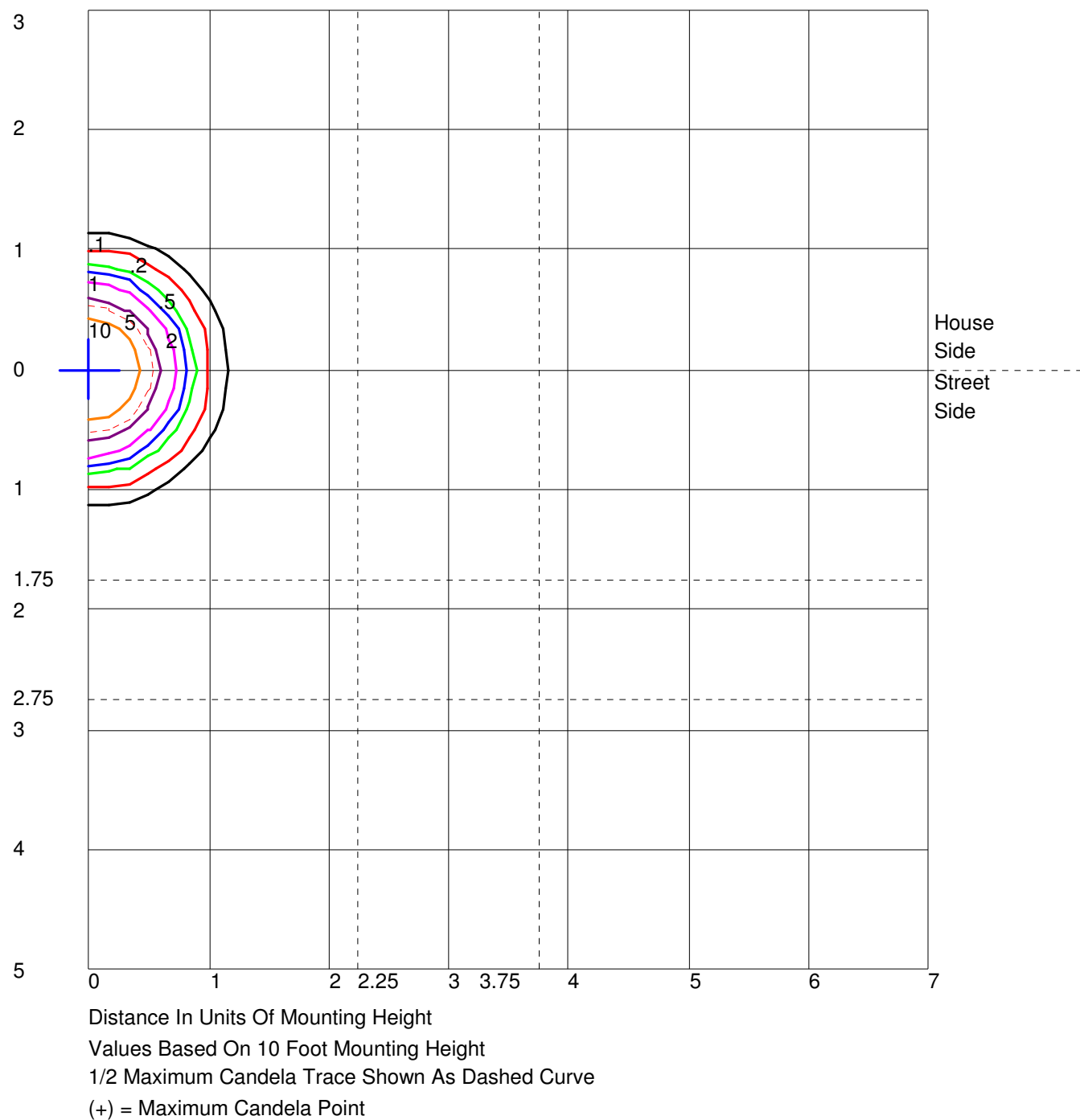
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

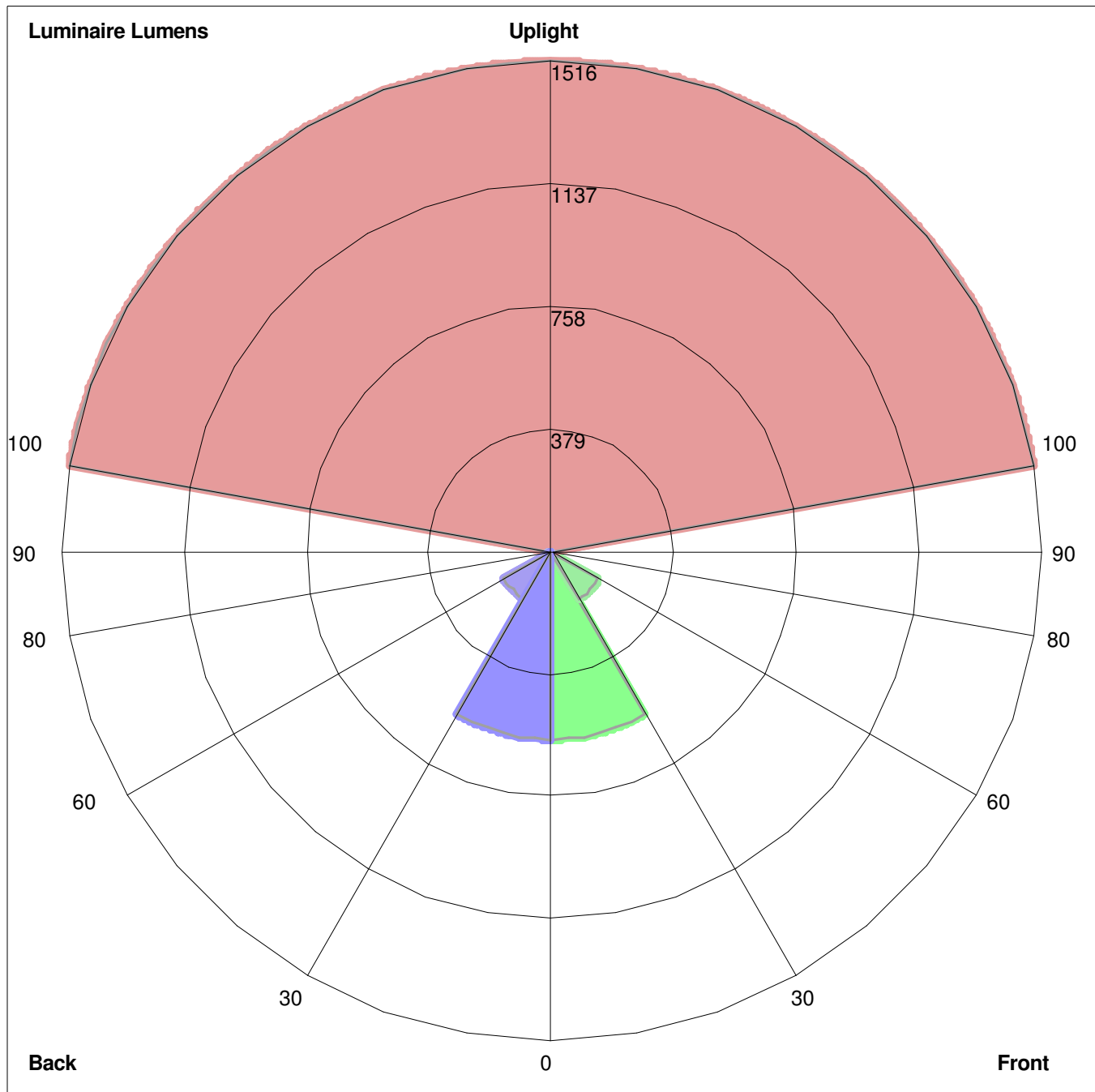
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=581.7, Medium=169.2, High=7.1, Very High=0.5  
Back: Low=581.7, Medium=169.2, High=7.1, Very High=0.5  
Uplight: Low=1.0, High=1516.1

BUG Rating : B2-U5-G0