

## IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-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-L10-927U-L10-927D-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	1940
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1821.887
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1821.887
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.271 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.772 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

**IES ROAD REPORT****PHOTOMETRIC FILENAME : W4CRDI-XX-L10-927U-L10-927D-XXX-DIM-UNV-M-XX\_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	400.6	N.A.	20.7
FM - Front-Medium (30-60)	79.7	N.A.	4.1
FH - Front-High (60-80)	4.4	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	400.6	N.A.	20.7
BM - Back-Medium (30-60)	79.7	N.A.	4.1
BH - Back-High (60-80)	4.4	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	969.4	N.A.	50.0
Total	1940.0	N.A.	100.0
BUG Rating	B1-U4-G0		

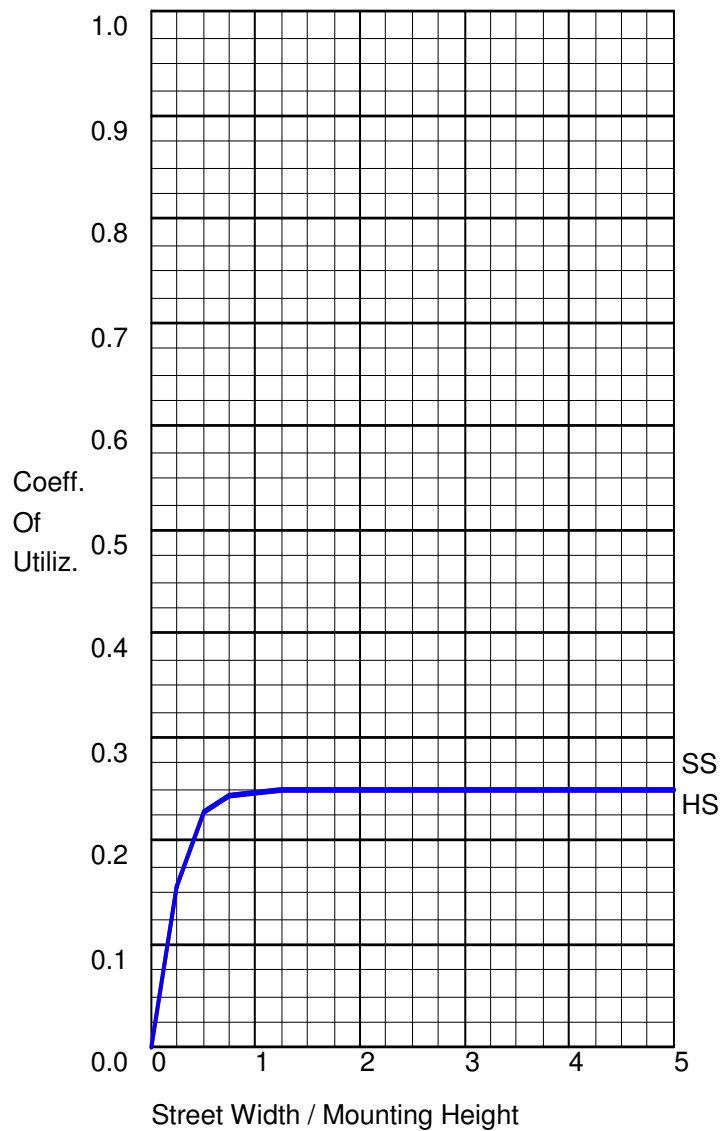
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## CANDELA TABULATION

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	1821.887	1821.887	1821.887	1821.887	1821.887	1821.887	1821.887	1821.887	1821.887
5	1760.894	1756.590	1754.868	1756.590	1760.894	1756.590	1754.868	1756.590	1760.894
10	1560.494	1560.038	1556.528	1560.038	1560.494	1560.038	1556.528	1560.038	1560.494
15	1236.762	1238.254	1244.454	1238.254	1236.762	1238.254	1244.454	1238.254	1236.762
20	902.077	907.908	918.147	907.908	902.077	907.908	918.147	907.908	902.077
25	638.837	643.620	650.812	643.620	638.837	643.620	650.812	643.620	638.837
30	407.086	414.601	416.550	414.601	407.086	414.601	416.550	414.601	407.086
35	177.809	180.951	183.693	180.951	177.809	180.951	183.693	180.951	177.809
40	50.083	51.579	54.341	51.579	50.083	51.579	54.341	51.579	50.083
45	21.056	22.274	24.058	22.274	21.056	22.274	24.058	22.274	21.056
50	15.945	16.474	17.142	16.474	15.945	16.474	17.142	16.474	15.945
55	12.723	12.967	13.203	12.967	12.723	12.967	13.203	12.967	12.723
60	8.983	9.074	9.223	9.074	8.983	9.074	9.223	9.074	8.983
65	5.998	6.005	6.099	6.005	5.998	6.005	6.099	6.005	5.998
70	4.081	4.046	4.088	4.046	4.081	4.046	4.088	4.046	4.081
75	2.428	2.366	2.387	2.366	2.428	2.366	2.387	2.366	2.428
80	0.772	0.762	0.751	0.762	0.772	0.762	0.751	0.762	0.772
85	0.560	0.560	0.553	0.560	0.560	0.560	0.553	0.560	0.560
90	0.271	0.264	0.230	0.264	0.271	0.264	0.230	0.264	0.271
95	0.560	0.560	0.553	0.560	0.560	0.560	0.553	0.560	0.560
100	0.772	0.762	0.751	0.762	0.772	0.762	0.751	0.762	0.772
105	2.428	2.366	2.387	2.366	2.428	2.366	2.387	2.366	2.428
110	4.081	4.046	4.088	4.046	4.081	4.046	4.088	4.046	4.081
115	5.998	6.005	6.099	6.005	5.998	6.005	6.099	6.005	5.998
120	8.983	9.074	9.223	9.074	8.983	9.074	9.223	9.074	8.983
125	12.723	12.967	13.203	12.967	12.723	12.967	13.203	12.967	12.723
130	15.945	16.474	17.142	16.474	15.945	16.474	17.142	16.474	15.945
135	21.056	22.274	24.058	22.274	21.056	22.274	24.058	22.274	21.056
140	50.083	51.579	54.341	51.579	50.083	51.579	54.341	51.579	50.083
145	177.809	180.951	183.693	180.951	177.809	180.951	183.693	180.951	177.809
150	407.086	414.601	416.550	414.601	407.086	414.601	416.550	414.601	407.086
155	638.837	643.620	650.812	643.620	638.837	643.620	650.812	643.620	638.837
160	902.077	907.908	918.147	907.908	902.077	907.908	918.147	907.908	902.077
165	1236.762	1238.254	1244.454	1238.254	1236.762	1238.254	1244.454	1238.254	1236.762
170	1560.494	1560.038	1556.528	1560.038	1560.494	1560.038	1556.528	1560.038	1560.494
175	1760.894	1756.590	1754.868	1756.590	1760.894	1756.590	1754.868	1756.590	1760.894
180	1821.689	1821.689	1821.689	1821.689	1821.689	1821.689	1821.689	1821.689	1821.689

COEFFICIENTS OF UTILIZATION



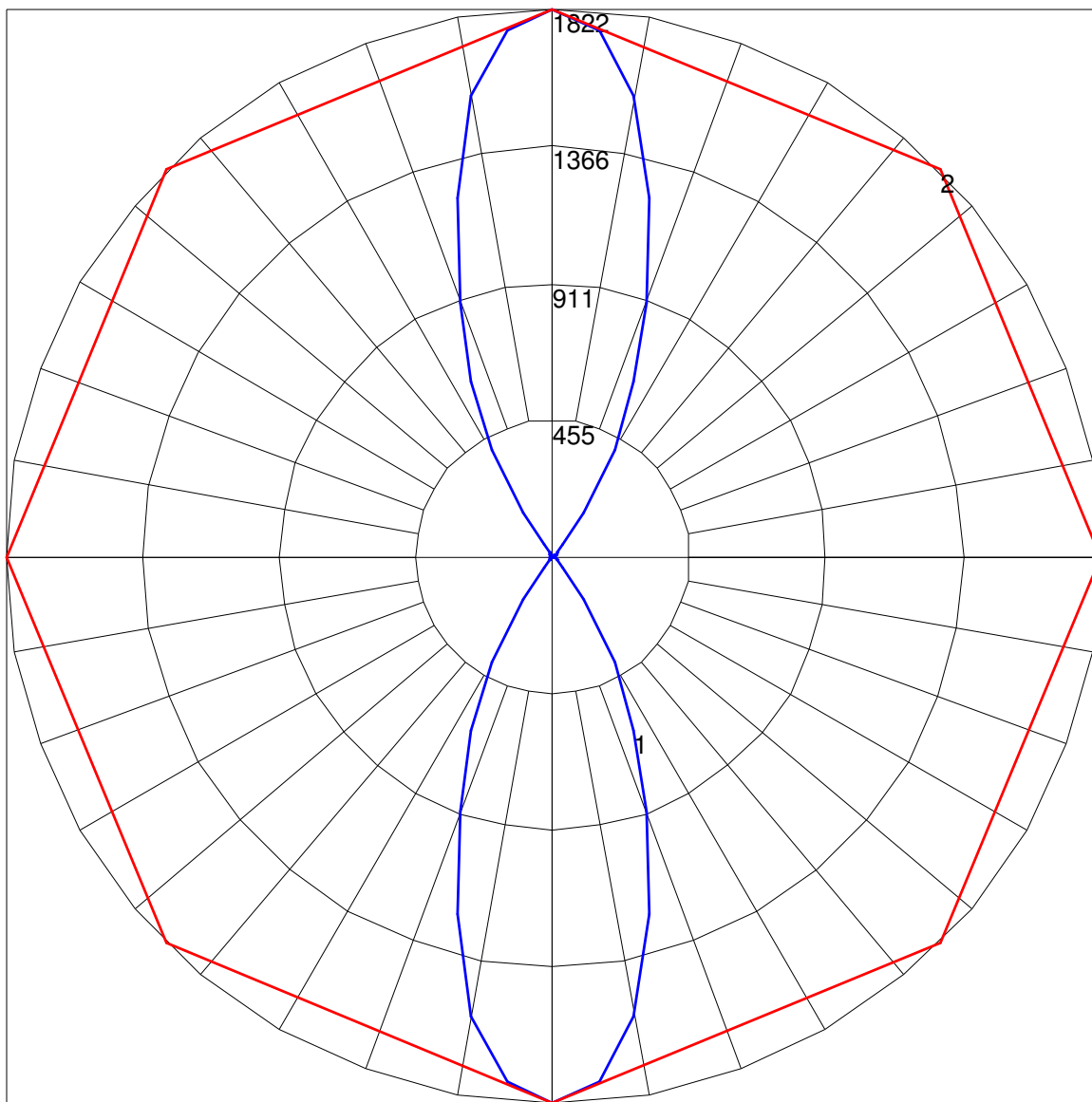
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	485.0	25.0
Downward House Side	485.0	25.0
Downward Total	970.0	50.0
Upward Street Side	485.0	25.0
Upward House Side	485.0	25.0
Upward Total	970.0	50.0
Total Flux	1940.0	100.0

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## POLAR GRAPH



Maximum Candela = 1821.887 Located At Horizontal Angle = 360, Vertical Angle = 0

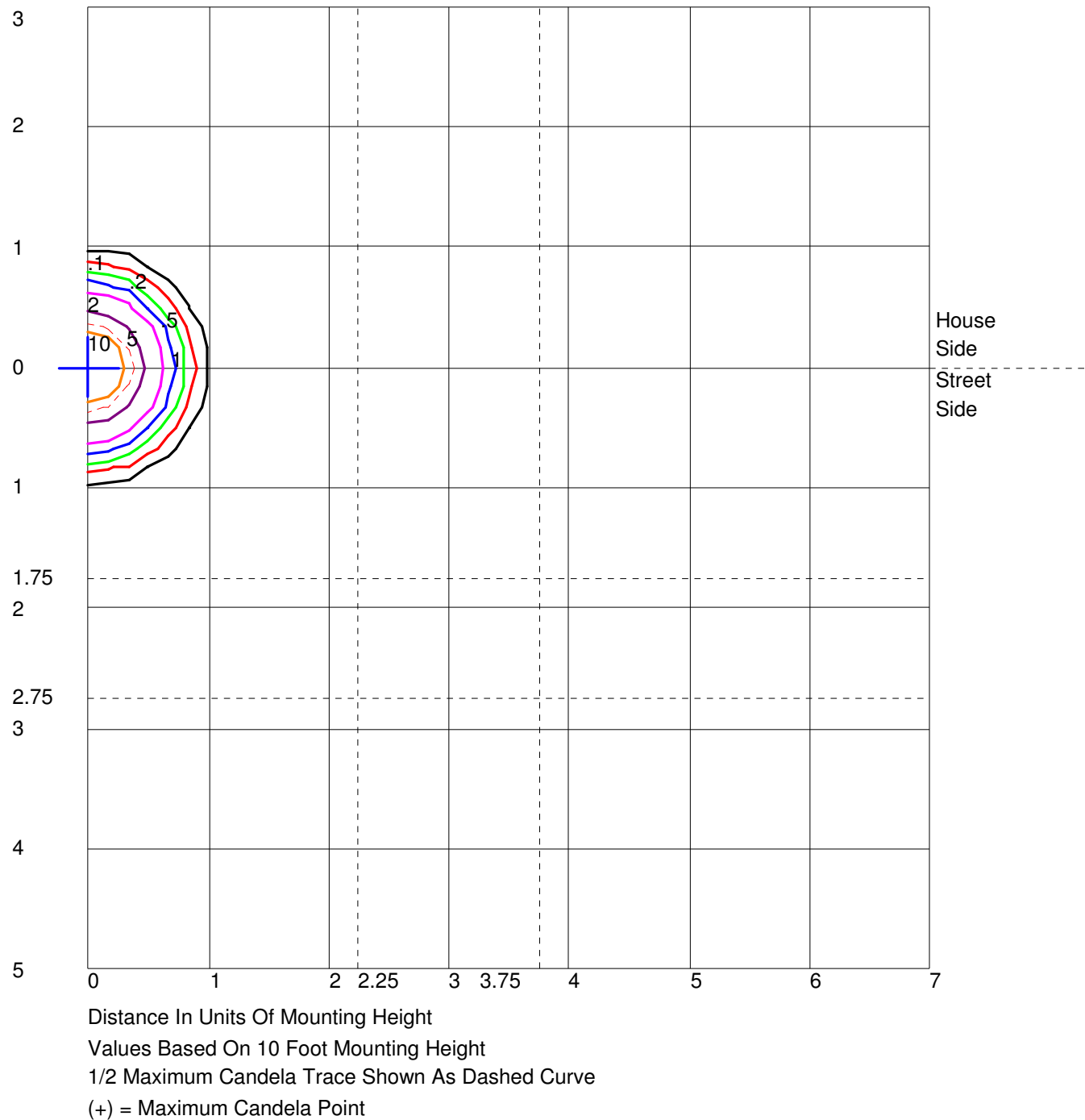
# 1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

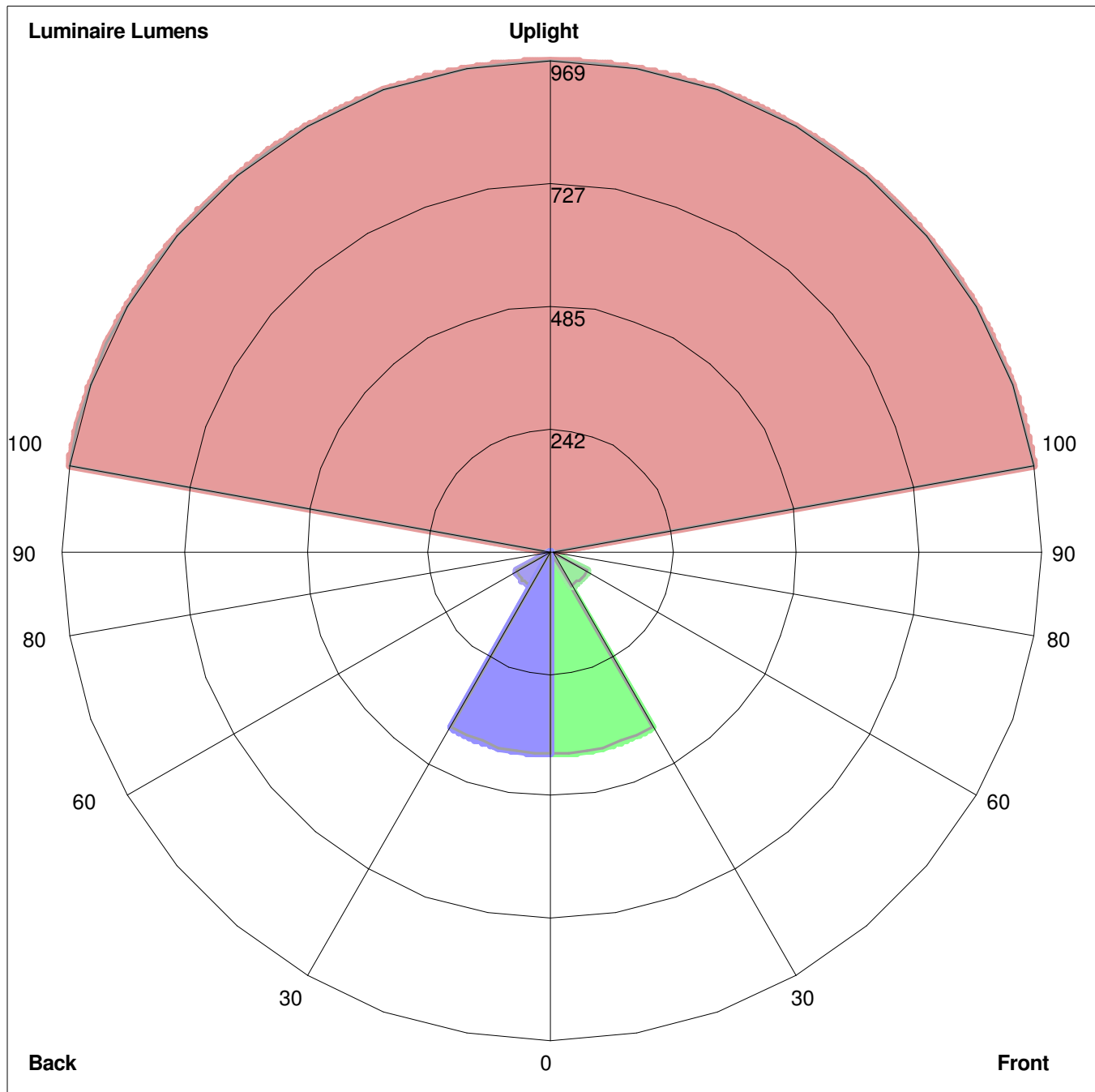
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## ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=400.6, Medium=79.7, High=4.4, Very High=0.3  
Back: Low=400.6, Medium=79.7, High=4.4, Very High=0.3  
Uplight: Low=0.6, High=969.4

BUG Rating : B1-U4-G0