

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-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-L10-827U-L10-827D-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	2044
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1919.838
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1919.838
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.286 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.814 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	422.2	N.A.	20.6
FM - Front-Medium (30-60)	84.0	N.A.	4.1
FH - Front-High (60-80)	4.6	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	422.2	N.A.	20.6
BM - Back-Medium (30-60)	84.0	N.A.	4.1
BH - Back-High (60-80)	4.6	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)	1021.6	N.A.	50.0
Total	2044.4	N.A.	100.0
BUG Rating	B1-U5-G0		

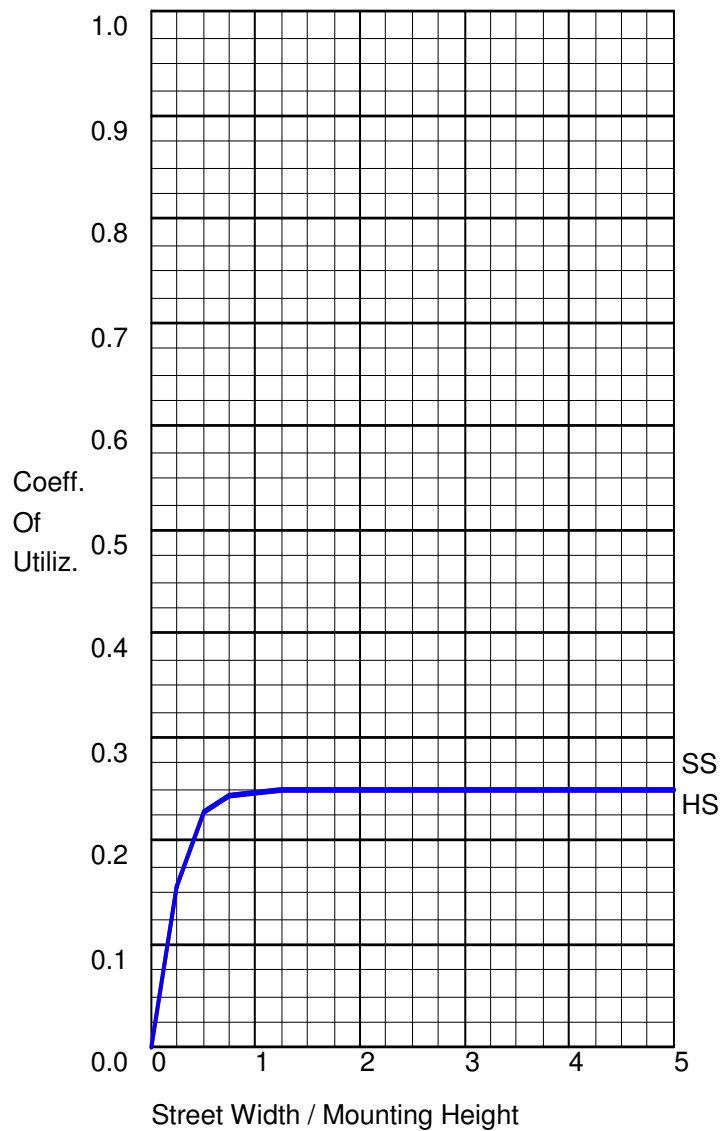
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CANDELA TABULATION

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	1919.838	1919.838	1919.838	1919.838	1919.838	1919.838	1919.838	1919.838	1919.838
5	1855.565	1851.030	1849.215	1851.030	1855.565	1851.030	1849.215	1851.030	1855.565
10	1644.391	1643.911	1640.212	1643.911	1644.391	1643.911	1640.212	1643.911	1644.391
15	1303.254	1304.827	1311.360	1304.827	1303.254	1304.827	1311.360	1304.827	1303.254
20	950.575	956.720	967.510	956.720	950.575	956.720	967.510	956.720	950.575
25	673.183	678.224	685.802	678.224	673.183	678.224	685.802	678.224	673.183
30	428.972	436.891	438.945	436.891	428.972	436.891	438.945	436.891	428.972
35	187.369	190.680	193.569	190.680	187.369	190.680	193.569	190.680	187.369
40	52.775	54.352	57.263	54.352	52.775	54.352	57.263	54.352	52.775
45	22.188	23.471	25.352	23.471	22.188	23.471	25.352	23.471	22.188
50	16.802	17.360	18.063	17.360	16.802	17.360	18.063	17.360	16.802
55	13.407	13.664	13.913	13.664	13.407	13.664	13.913	13.664	13.407
60	9.466	9.561	9.719	9.561	9.466	9.561	9.719	9.561	9.466
65	6.321	6.328	6.427	6.328	6.321	6.328	6.427	6.328	6.321
70	4.300	4.264	4.308	4.264	4.300	4.264	4.308	4.264	4.300
75	2.559	2.493	2.515	2.493	2.559	2.493	2.515	2.493	2.559
80	0.814	0.803	0.792	0.803	0.814	0.803	0.792	0.803	0.814
85	0.590	0.590	0.583	0.590	0.590	0.590	0.583	0.590	0.590
90	0.286	0.279	0.242	0.279	0.286	0.279	0.242	0.279	0.286
95	0.590	0.590	0.583	0.590	0.590	0.590	0.583	0.590	0.590
100	0.814	0.803	0.792	0.803	0.814	0.803	0.792	0.803	0.814
105	2.559	2.493	2.515	2.493	2.559	2.493	2.515	2.493	2.559
110	4.300	4.264	4.308	4.264	4.300	4.264	4.308	4.264	4.300
115	6.321	6.328	6.427	6.328	6.321	6.328	6.427	6.328	6.321
120	9.466	9.561	9.719	9.561	9.466	9.561	9.719	9.561	9.466
125	13.407	13.664	13.913	13.664	13.407	13.664	13.913	13.664	13.407
130	16.802	17.360	18.063	17.360	16.802	17.360	18.063	17.360	16.802
135	22.188	23.471	25.352	23.471	22.188	23.471	25.352	23.471	22.188
140	52.775	54.352	57.263	54.352	52.775	54.352	57.263	54.352	52.775
145	187.369	190.680	193.569	190.680	187.369	190.680	193.569	190.680	187.369
150	428.972	436.891	438.945	436.891	428.972	436.891	438.945	436.891	428.972
155	673.183	678.224	685.802	678.224	673.183	678.224	685.802	678.224	673.183
160	950.575	956.720	967.510	956.720	950.575	956.720	967.510	956.720	950.575
165	1303.254	1304.827	1311.360	1304.827	1303.254	1304.827	1311.360	1304.827	1303.254
170	1644.391	1643.911	1640.212	1643.911	1644.391	1643.911	1640.212	1643.911	1644.391
175	1855.565	1851.030	1849.215	1851.030	1855.565	1851.030	1849.215	1851.030	1855.565
180	1919.629	1919.629	1919.629	1919.629	1919.629	1919.629	1919.629	1919.629	1919.629

COEFFICIENTS OF UTILIZATION



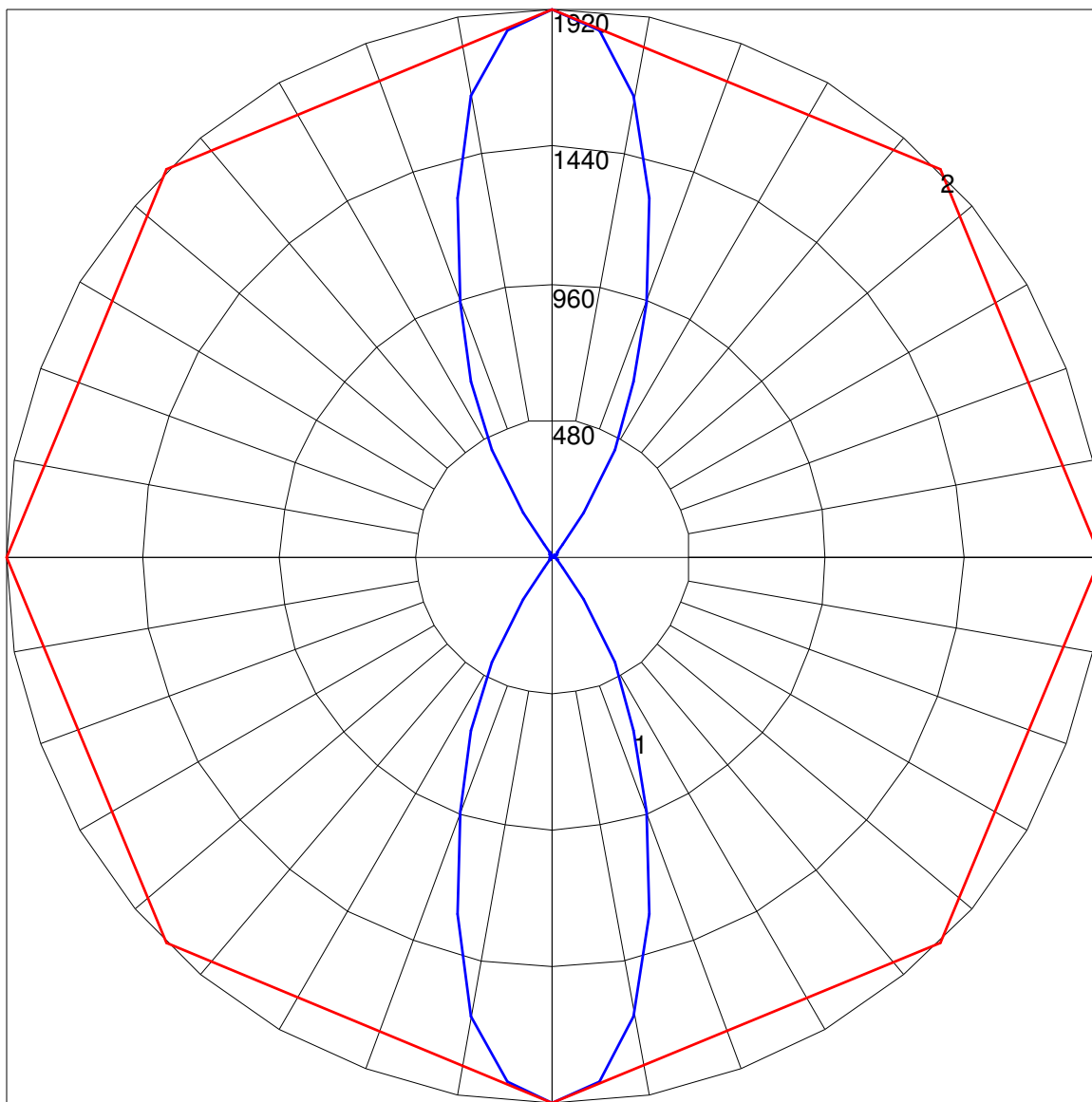
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	511.1	25.0
Downward House Side	511.1	25.0
Downward Total	1022.2	50.0
Upward Street Side	511.1	25.0
Upward House Side	511.1	25.0
Upward Total	1022.2	50.0
Total Flux	2044.4	100.0

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POLAR GRAPH



Maximum Candela = 1919.838 Located At Horizontal Angle = 360, Vertical Angle = 0

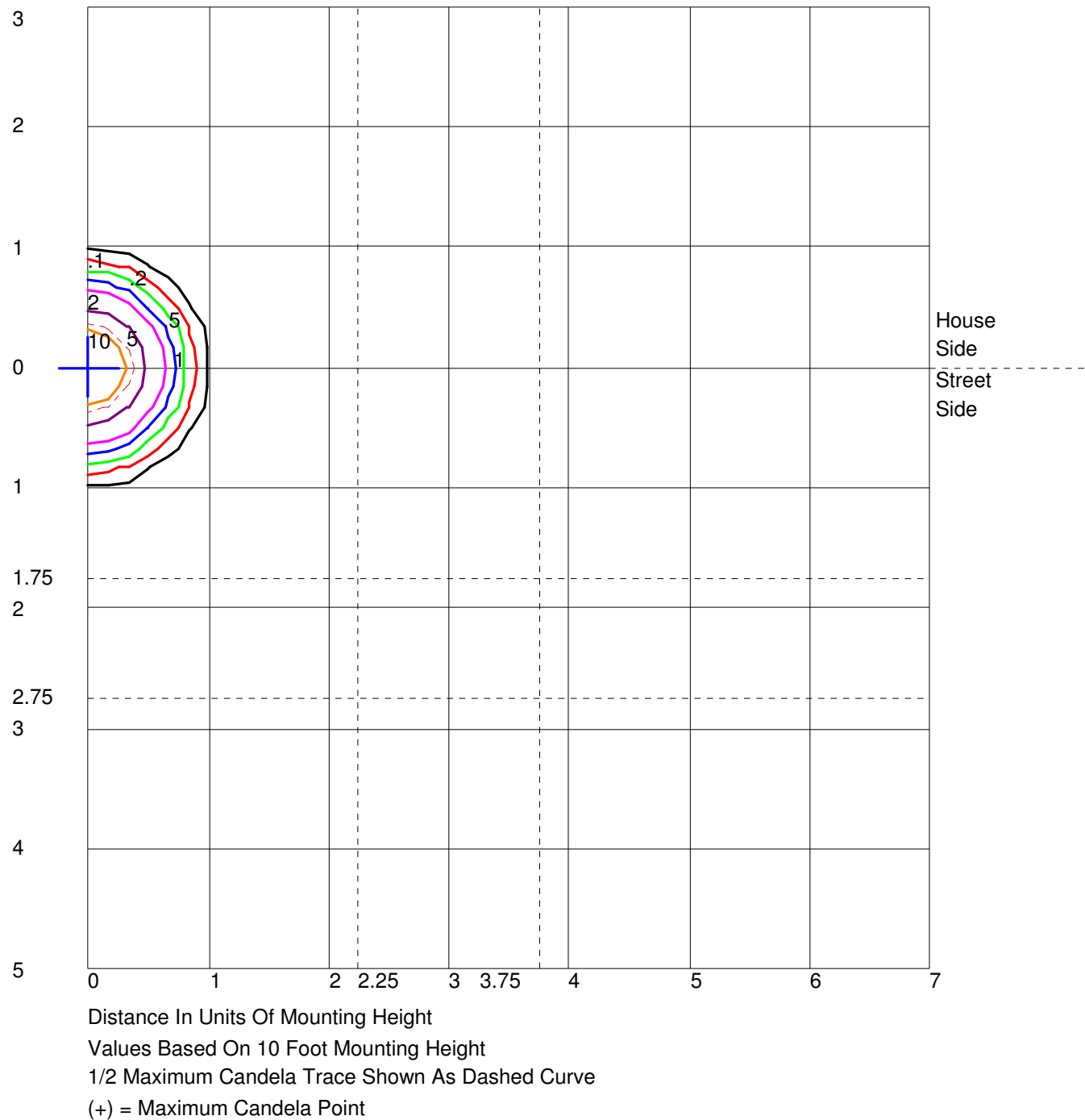
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

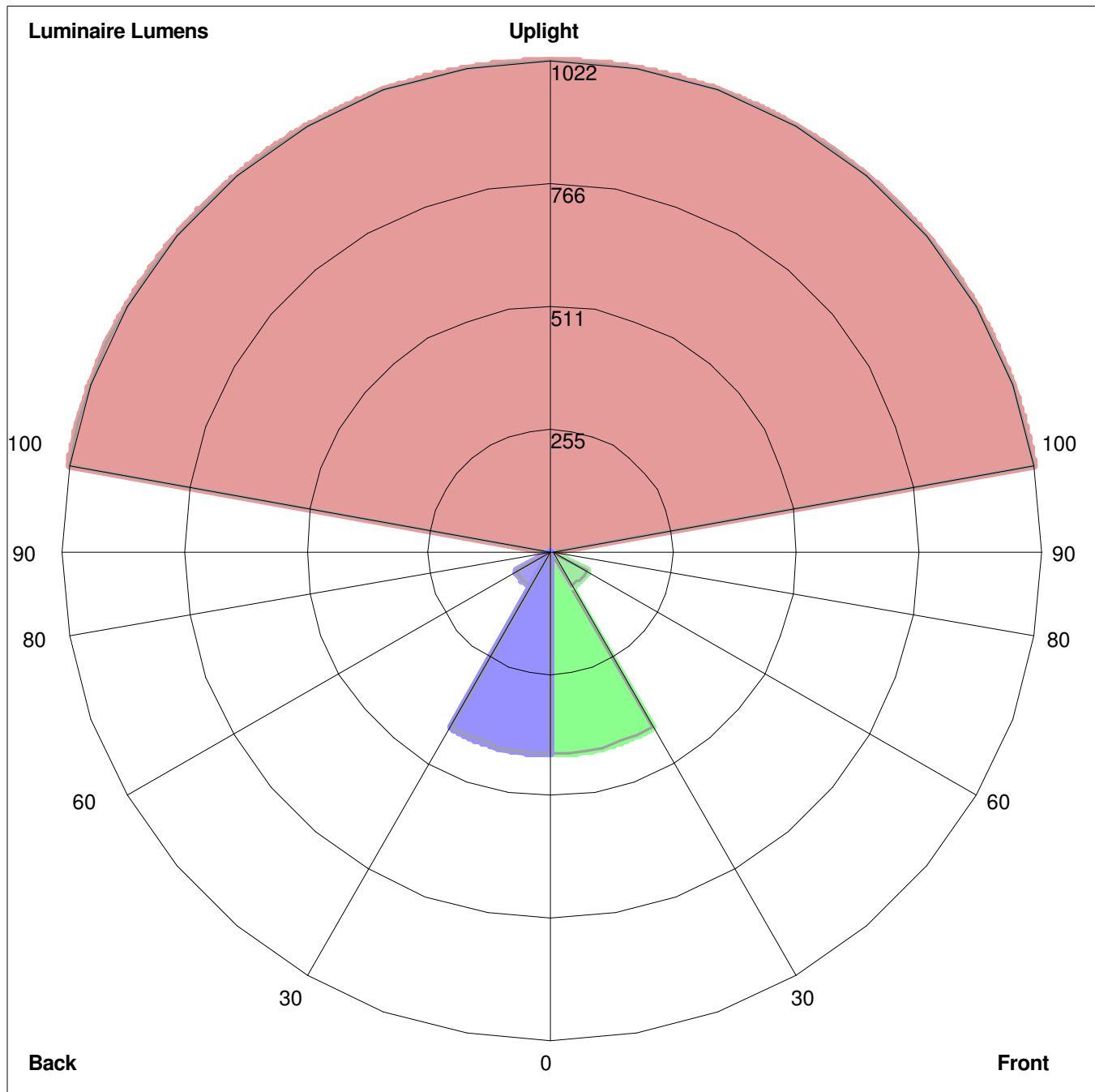
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=422.2, Medium=84.0, High=4.6, Very High=0.3
Back: Low=422.2, Medium=84.0, High=4.6, Very High=0.3
Uplight: Low=0.6, High=1021.6

BUG Rating : B1-U5-G0