

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-940U-L10-940D-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-L10-940U-L10-940D-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	2058
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1284.383
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1284.383
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.32 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.885 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-940U-L10-940D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	394.6	N.A.	19.2
FM - Front-Medium (30-60)	114.8	N.A.	5.6
FH - Front-High (60-80)	4.8	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	394.6	N.A.	19.2
BM - Back-Medium (30-60)	114.8	N.A.	5.6
BH - Back-High (60-80)	4.8	N.A.	0.2
BVH - Back-Very High (80-90)	0.3	N.A.	0.0
UL - Uplight-Low (90-100)	0.7	N.A.	0.0
UH - Uplight-High (100-180)	1028.5	N.A.	50.0
Total	2058.2	N.A.	100.0
BUG Rating	B1-U5-G0		

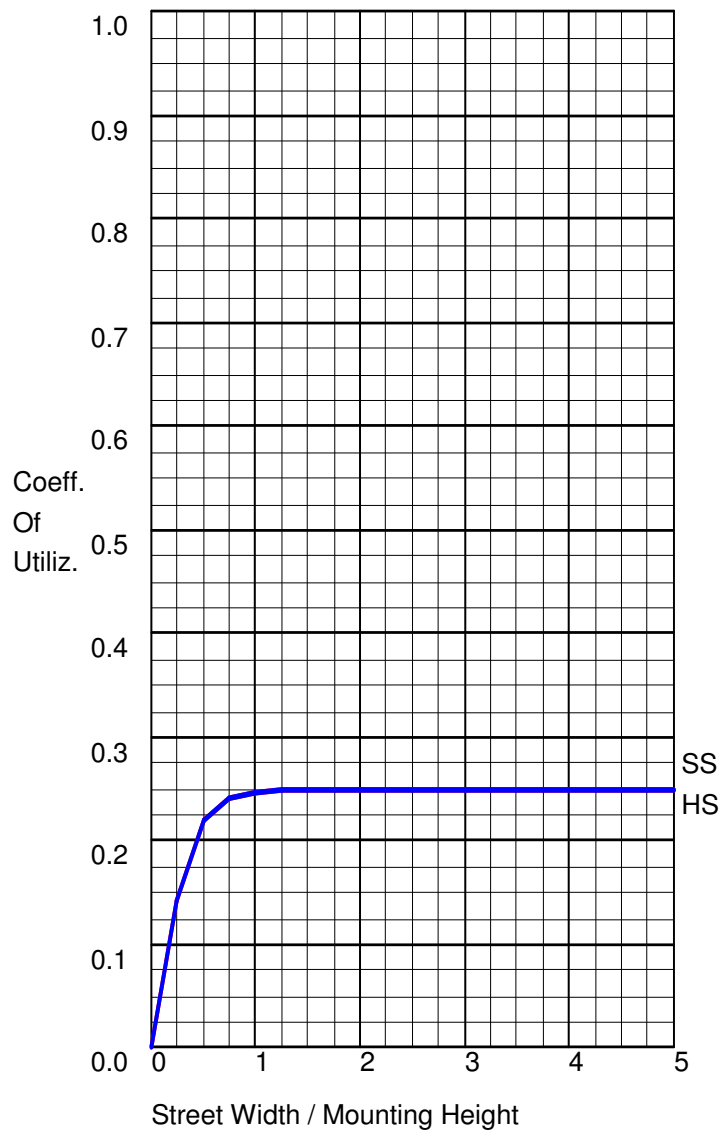
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CANDELA TABULATION

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	1284.383	1284.383	1284.383	1284.383	1284.383	1284.383	1284.383	1284.383	1284.383
5	1278.597	1276.922	1279.524	1276.922	1278.597	1276.922	1279.524	1276.922	1278.597
10	1247.375	1246.989	1245.788	1246.989	1247.375	1246.989	1245.788	1246.989	1247.375
15	1145.056	1142.627	1144.744	1142.627	1145.056	1142.627	1144.744	1142.627	1145.056
20	971.303	970.159	973.866	970.159	971.303	970.159	973.866	970.159	971.303
25	778.812	779.289	782.020	779.289	778.812	779.289	782.020	779.289	778.812
30	547.211	553.486	552.284	553.486	547.211	553.486	552.284	553.486	547.211
35	267.306	271.910	277.433	271.910	267.306	271.910	277.433	271.910	267.306
40	87.285	90.390	94.704	90.390	87.285	90.390	94.704	90.390	87.285
45	32.752	34.796	37.299	34.796	32.752	34.796	37.299	34.796	32.752
50	19.672	20.484	21.430	20.484	19.672	20.484	21.430	20.484	19.672
55	14.083	14.472	14.797	14.472	14.083	14.472	14.797	14.472	14.083
60	9.914	10.067	10.200	10.067	9.914	10.067	10.200	10.067	9.914
65	6.668	6.687	6.759	6.687	6.668	6.687	6.759	6.687	6.668
70	4.486	4.455	4.455	4.455	4.486	4.455	4.455	4.455	4.486
75	2.636	2.563	2.552	2.563	2.636	2.563	2.552	2.563	2.636
80	0.885	0.877	0.862	0.877	0.885	0.877	0.862	0.877	0.885
85	0.648	0.641	0.629	0.641	0.648	0.641	0.629	0.641	0.648
90	0.320	0.305	0.267	0.305	0.320	0.305	0.267	0.305	0.320
95	0.648	0.641	0.629	0.641	0.648	0.641	0.629	0.641	0.648
100	0.885	0.877	0.862	0.877	0.885	0.877	0.862	0.877	0.885
105	2.636	2.563	2.552	2.563	2.636	2.563	2.552	2.563	2.636
110	4.486	4.455	4.455	4.455	4.486	4.455	4.455	4.455	4.486
115	6.668	6.687	6.759	6.687	6.668	6.687	6.759	6.687	6.668
120	9.914	10.067	10.200	10.067	9.914	10.067	10.200	10.067	9.914
125	14.083	14.472	14.797	14.472	14.083	14.472	14.797	14.472	14.083
130	19.672	20.484	21.430	20.484	19.672	20.484	21.430	20.484	19.672
135	32.752	34.796	37.299	34.796	32.752	34.796	37.299	34.796	32.752
140	87.285	90.390	94.704	90.390	87.285	90.390	94.704	90.390	87.285
145	267.306	271.910	277.433	271.910	267.306	271.910	277.433	271.910	267.306
150	547.211	553.486	552.284	553.486	547.211	553.486	552.284	553.486	547.211
155	778.812	779.289	782.020	779.289	778.812	779.289	782.020	779.289	778.812
160	971.303	970.159	973.866	970.159	971.303	970.159	973.866	970.159	971.303
165	1145.056	1142.627	1144.744	1142.627	1145.056	1142.627	1144.744	1142.627	1145.056
170	1247.375	1246.989	1245.788	1246.989	1247.375	1246.989	1245.788	1246.989	1247.375
175	1278.597	1276.922	1279.524	1276.922	1278.597	1276.922	1279.524	1276.922	1278.597
180	1284.364	1284.364	1284.364	1284.364	1284.364	1284.364	1284.364	1284.364	1284.364

COEFFICIENTS OF UTILIZATION



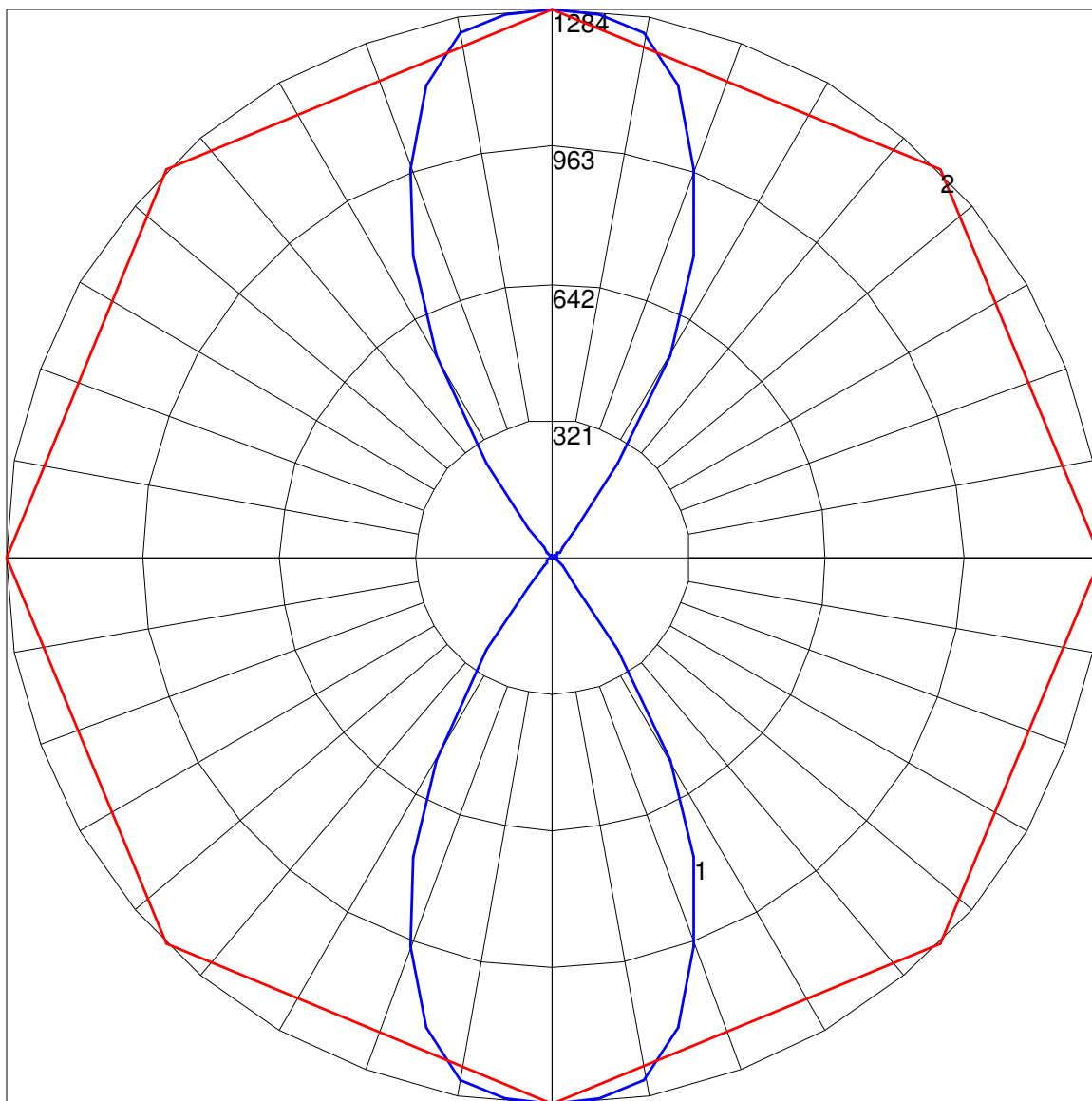
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	514.6	25.0
Downward House Side	514.6	25.0
Downward Total	1029.2	50.0
Upward Street Side	514.6	25.0
Upward House Side	514.6	25.0
Upward Total	1029.2	50.0
Total Flux	2058.4	100.0

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POLAR GRAPH



Maximum Candela = 1284.383 Located At Horizontal Angle = 360, Vertical Angle = 0

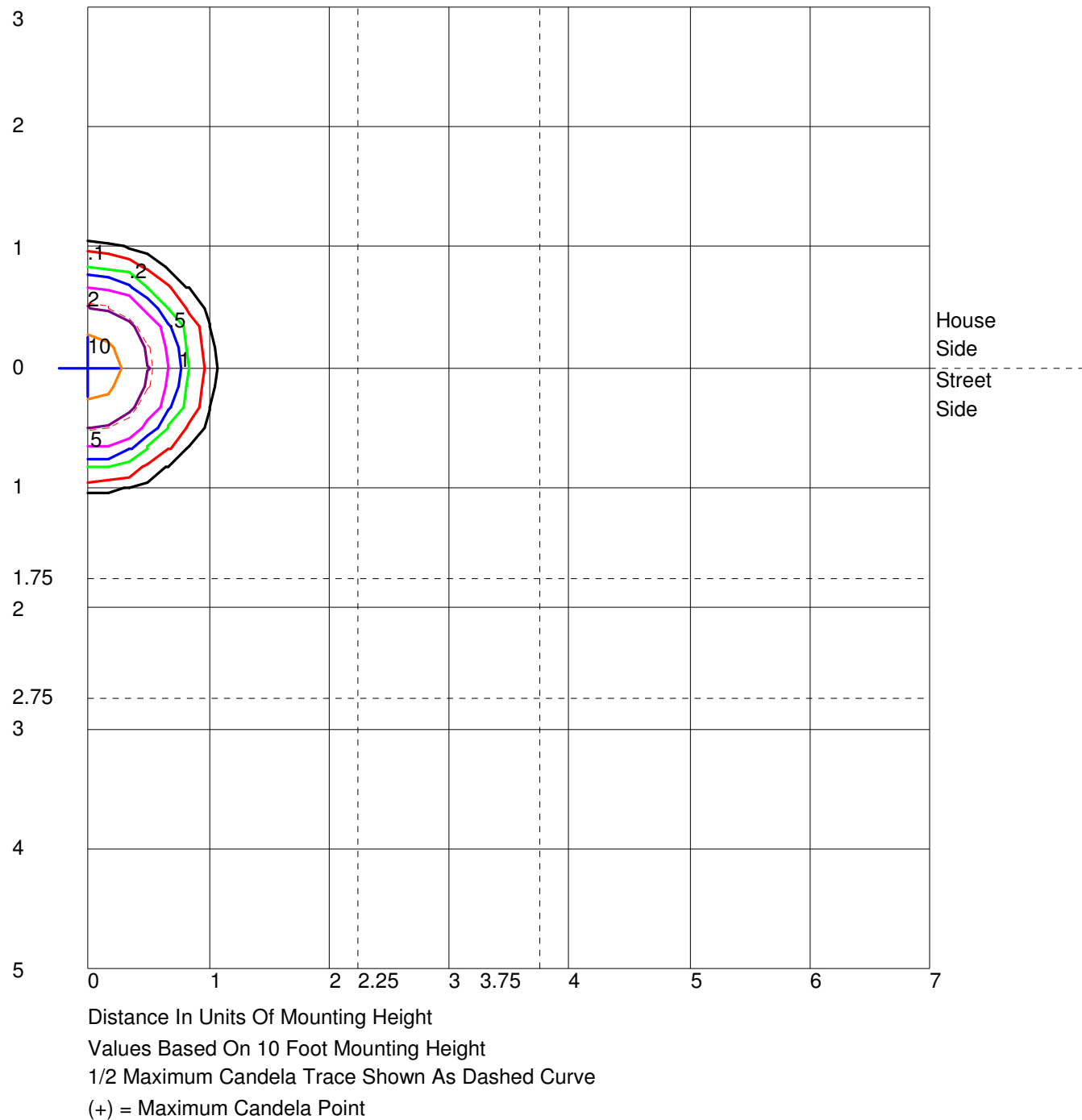
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

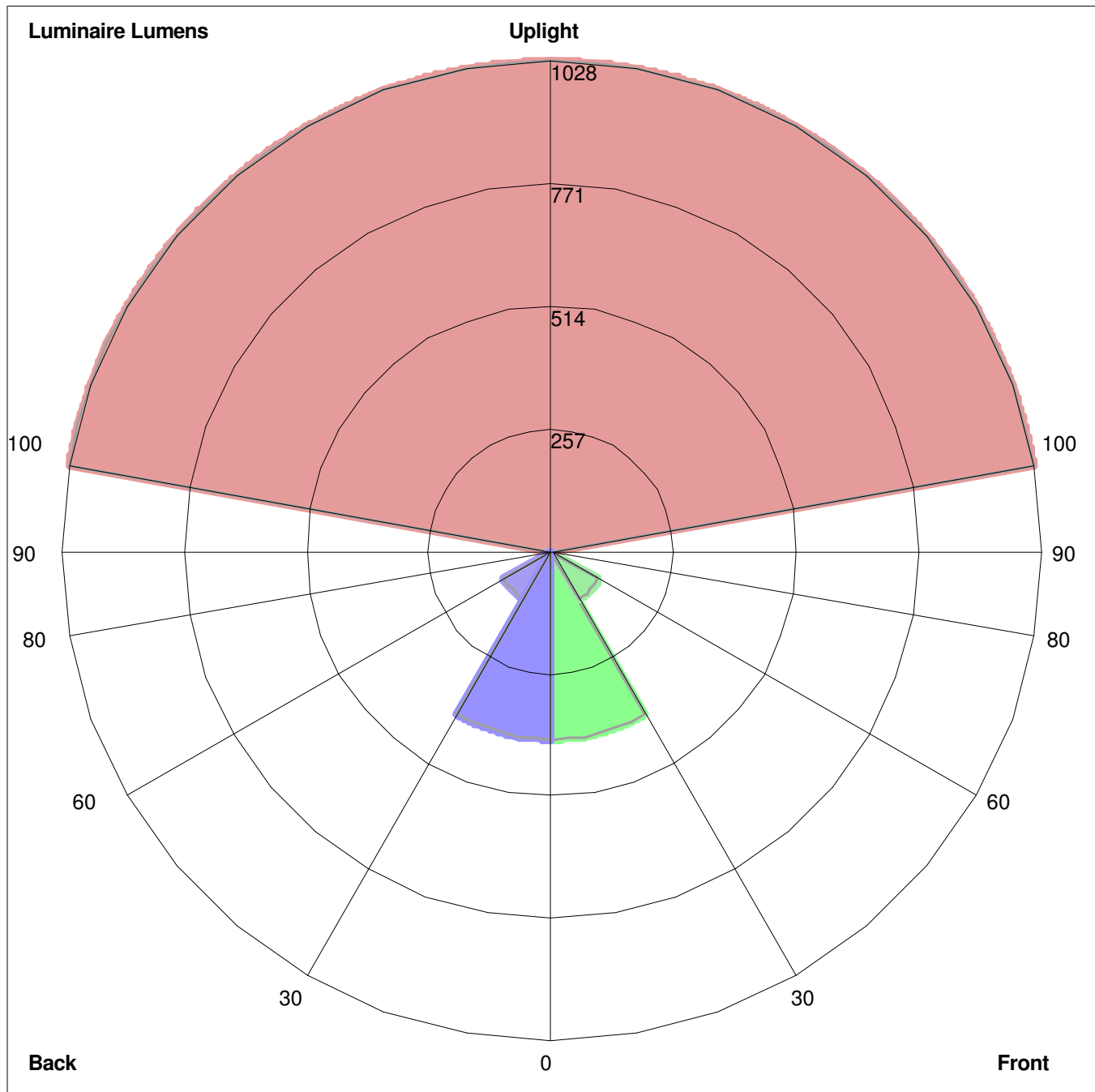
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=394.6, Medium=114.8, High=4.8, Very High=0.3
Back: Low=394.6, Medium=114.8, High=4.8, Very High=0.3
Uplight: Low=0.7, High=1028.5

BUG Rating : B1-U5-G0