

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-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
[ISSUE DATE] 2025-08-01
[MANUFAC] H.E. WILLIAMS, INC. - CARTHAGE, MO.
[LUMCAT] W4CRDI-xx-L10-850U-L10-850D-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	2101
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1310.866
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1310.866
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.327 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.903 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-850U-L10-850D-XXX-DIM-UNV-W-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	402.8	N.A.	19.2
FM - Front-Medium (30-60)	117.2	N.A.	5.6
FH - Front-High (60-80)	4.9	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	402.8	N.A.	19.2
BM - Back-Medium (30-60)	117.2	N.A.	5.6
BH - Back-High (60-80)	4.9	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)	1049.7	N.A.	50.0
Total	2100.8	N.A.	100.0
BUG Rating	B1-U5-G0		

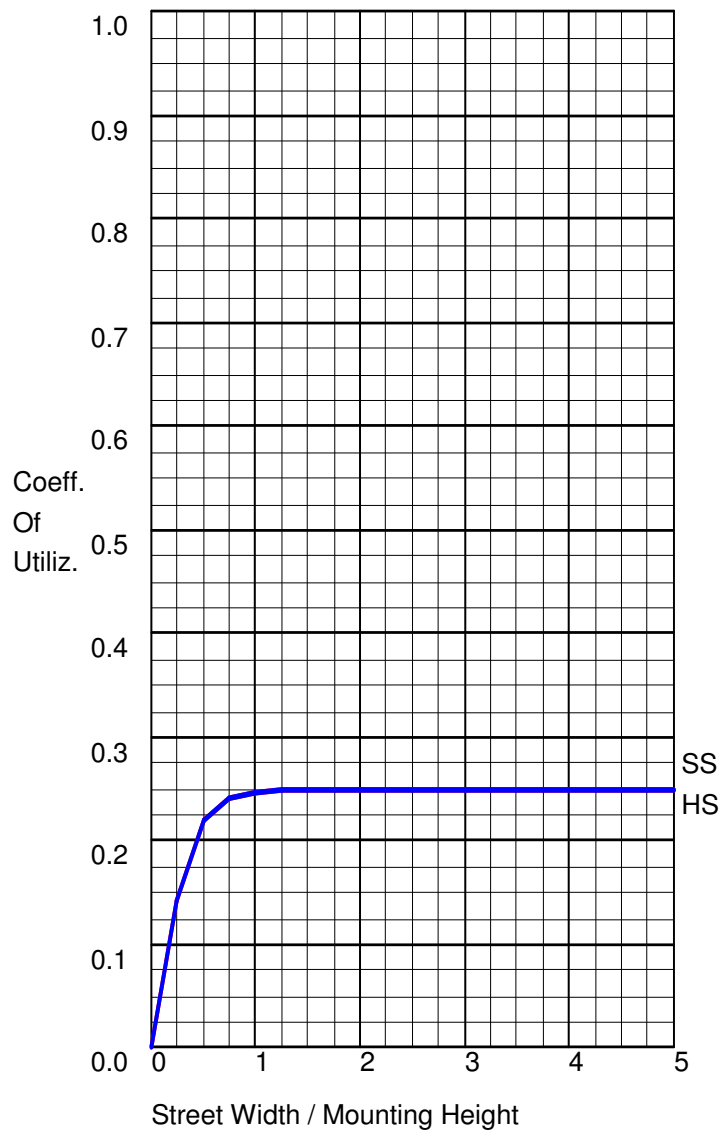
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CANDELA TABULATION

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	1310.866	1310.866	1310.866	1310.866	1310.866	1310.866	1310.866	1310.866	1310.866
5	1304.960	1303.251	1305.906	1303.251	1304.960	1303.251	1305.906	1303.251	1304.960
10	1273.094	1272.700	1271.474	1272.700	1273.094	1272.700	1271.474	1272.700	1273.094
15	1168.666	1166.186	1168.347	1166.186	1168.666	1166.186	1168.347	1166.186	1168.666
20	991.330	990.162	993.946	990.162	991.330	990.162	993.946	990.162	991.330
25	794.870	795.357	798.145	795.357	794.870	795.357	798.145	795.357	794.870
30	558.494	564.898	563.672	564.898	558.494	564.898	563.672	564.898	558.494
35	272.817	277.516	283.154	277.516	272.817	277.516	283.154	277.516	272.817
40	89.085	92.254	96.657	92.254	89.085	92.254	96.657	92.254	89.085
45	33.427	35.514	38.068	35.514	33.427	35.514	38.068	35.514	33.427
50	20.077	20.907	21.872	20.907	20.077	20.907	21.872	20.907	20.077
55	14.374	14.771	15.102	14.771	14.374	14.771	15.102	14.771	14.374
60	10.118	10.274	10.410	10.274	10.118	10.274	10.410	10.274	10.118
65	6.805	6.825	6.899	6.825	6.805	6.825	6.899	6.825	6.805
70	4.578	4.547	4.547	4.547	4.578	4.547	4.547	4.547	4.578
75	2.690	2.616	2.605	2.616	2.690	2.616	2.605	2.616	2.690
80	0.903	0.895	0.880	0.895	0.903	0.895	0.880	0.895	0.903
85	0.662	0.654	0.642	0.654	0.662	0.654	0.642	0.654	0.662
90	0.327	0.311	0.273	0.311	0.327	0.311	0.273	0.311	0.327
95	0.662	0.654	0.642	0.654	0.662	0.654	0.642	0.654	0.662
100	0.903	0.895	0.880	0.895	0.903	0.895	0.880	0.895	0.903
105	2.690	2.616	2.605	2.616	2.690	2.616	2.605	2.616	2.690
110	4.578	4.547	4.547	4.547	4.578	4.547	4.547	4.547	4.578
115	6.805	6.825	6.899	6.825	6.805	6.825	6.899	6.825	6.805
120	10.118	10.274	10.410	10.274	10.118	10.274	10.410	10.274	10.118
125	14.374	14.771	15.102	14.771	14.374	14.771	15.102	14.771	14.374
130	20.077	20.907	21.872	20.907	20.077	20.907	21.872	20.907	20.077
135	33.427	35.514	38.068	35.514	33.427	35.514	38.068	35.514	33.427
140	89.085	92.254	96.657	92.254	89.085	92.254	96.657	92.254	89.085
145	272.817	277.516	283.154	277.516	272.817	277.516	283.154	277.516	272.817
150	558.494	564.898	563.672	564.898	558.494	564.898	563.672	564.898	558.494
155	794.870	795.357	798.145	795.357	794.870	795.357	798.145	795.357	794.870
160	991.330	990.162	993.946	990.162	991.330	990.162	993.946	990.162	991.330
165	1168.666	1166.186	1168.347	1166.186	1168.666	1166.186	1168.347	1166.186	1168.666
170	1273.094	1272.700	1271.474	1272.700	1273.094	1272.700	1271.474	1272.700	1273.094
175	1304.960	1303.251	1305.906	1303.251	1304.960	1303.251	1305.906	1303.251	1304.960
180	1310.846	1310.846	1310.846	1310.846	1310.846	1310.846	1310.846	1310.846	1310.846

COEFFICIENTS OF UTILIZATION



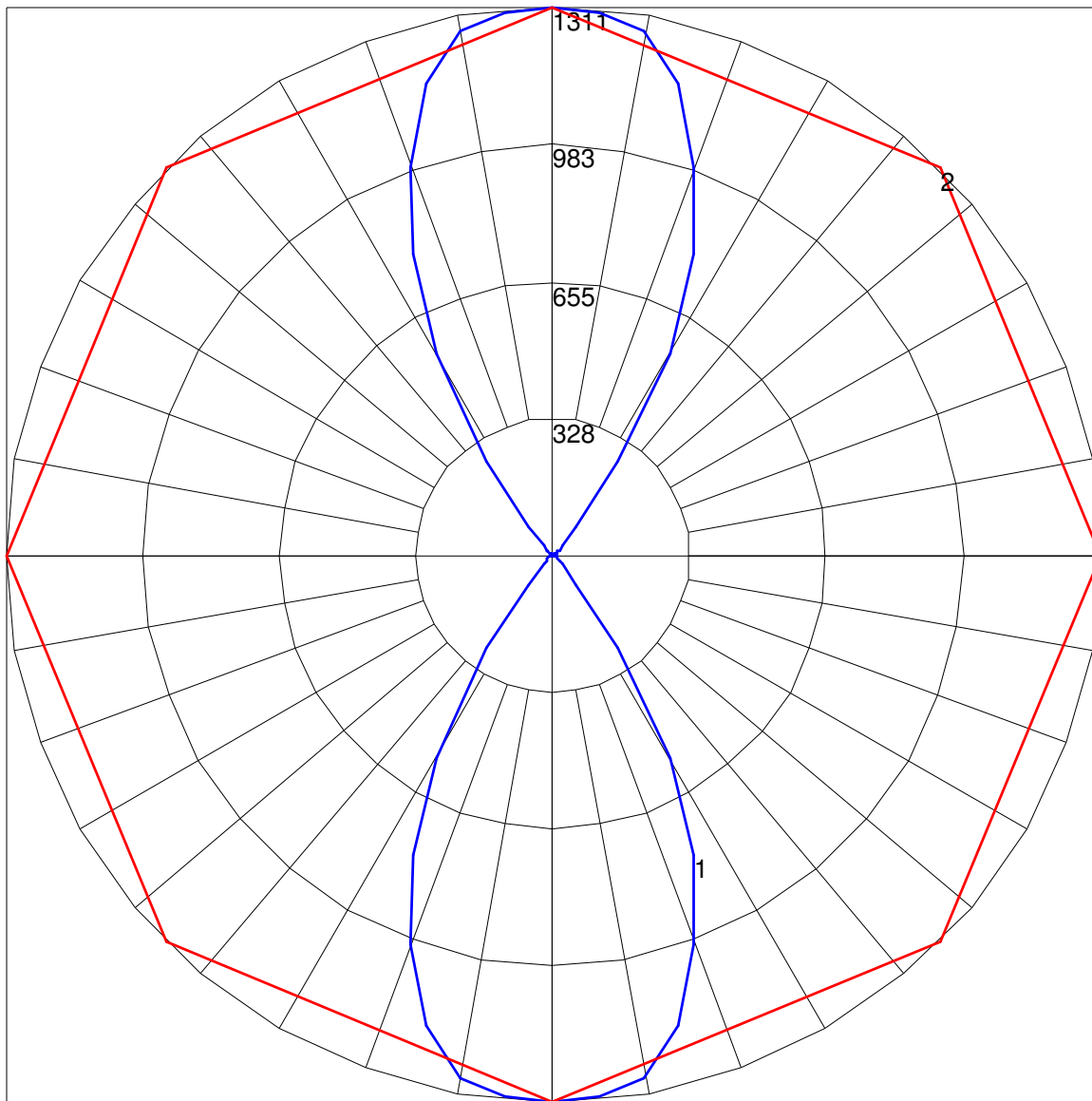
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	525.2	25.0
Downward House Side	525.2	25.0
Downward Total	1050.4	50.0
Upward Street Side	525.2	25.0
Upward House Side	525.2	25.0
Upward Total	1050.4	50.0
Total Flux	2100.8	100.0

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POLAR GRAPH



Maximum Candela = 1310.866 Located At Horizontal Angle = 360, Vertical Angle = 0

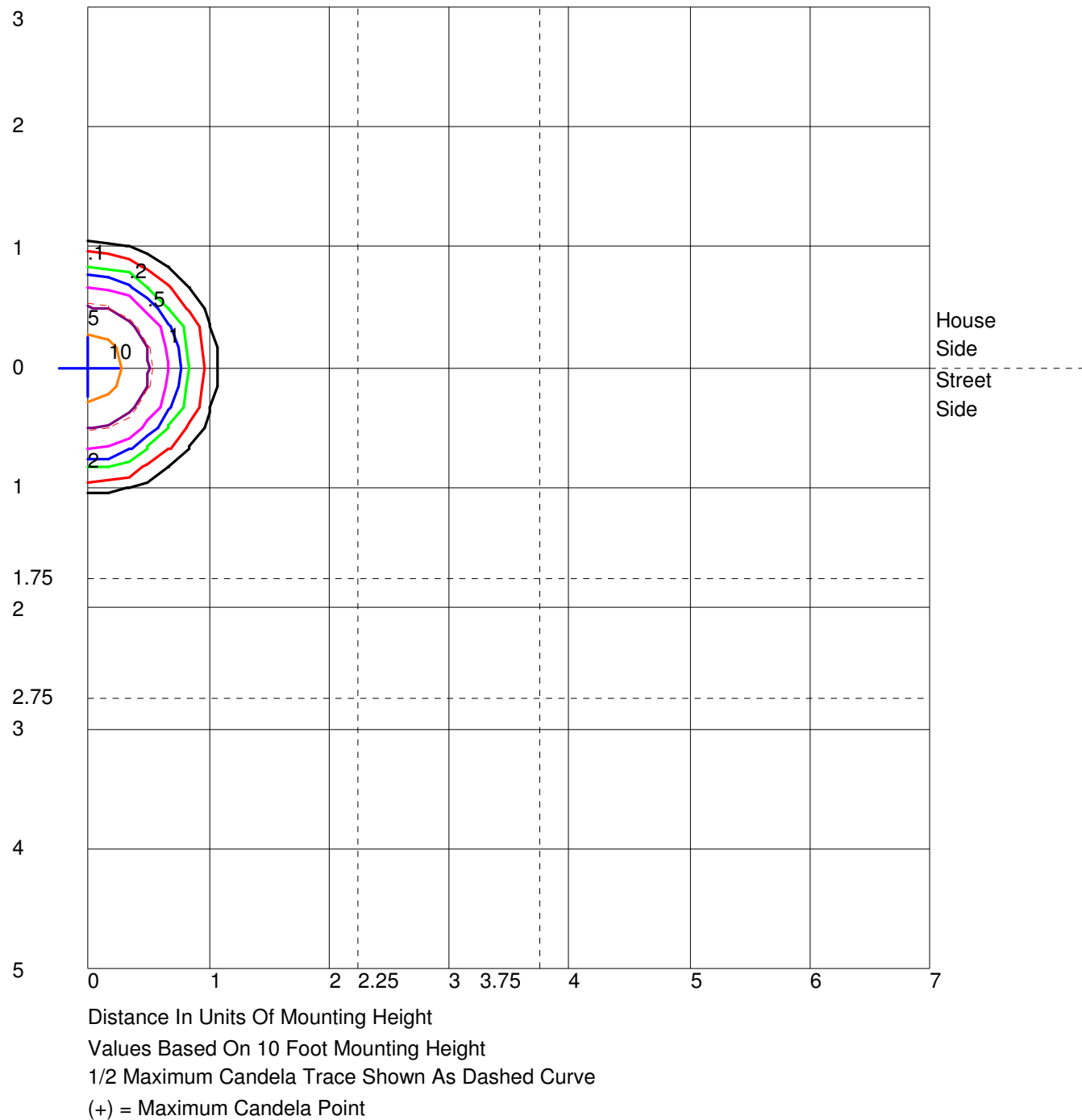
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

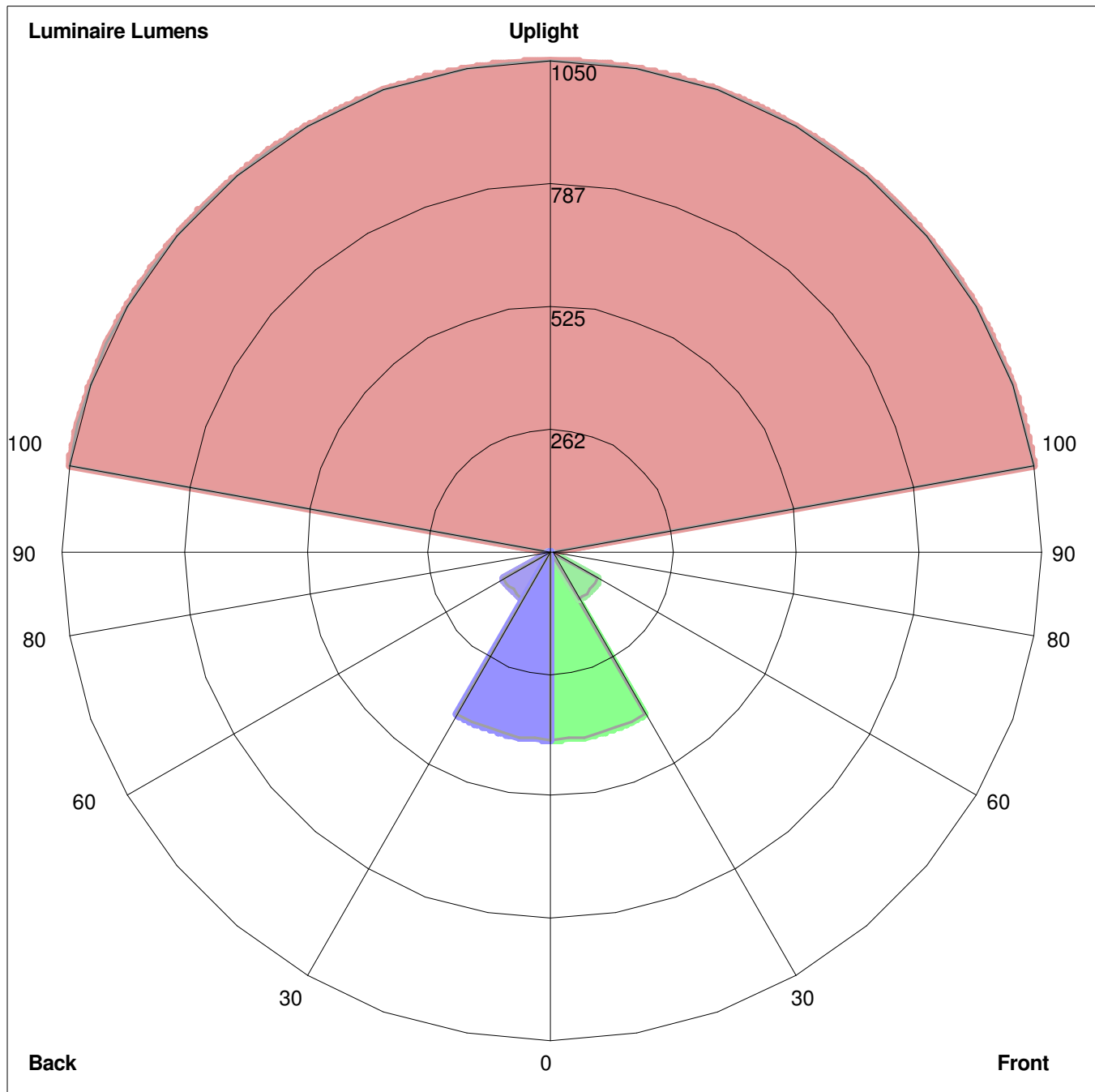
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=402.8, Medium=117.2, High=4.9, Very High=0.3
Back: Low=402.8, Medium=117.2, High=4.9, Very High=0.3
Uplight: Low=0.7, High=1049.7

BUG Rating : B1-U5-G0