

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-827U-L10-827D-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-L10-827U-L10-827D-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	2080
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1297.625
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1297.625
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.324 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.894 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

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

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	398.7	N.A.	19.2
FM - Front-Medium (30-60)	116.0	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)	398.7	N.A.	19.2
BM - Back-Medium (30-60)	116.0	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)	1039.1	N.A.	50.0
Total	2079.6	N.A.	100.0
BUG Rating	B1-U5-G0		

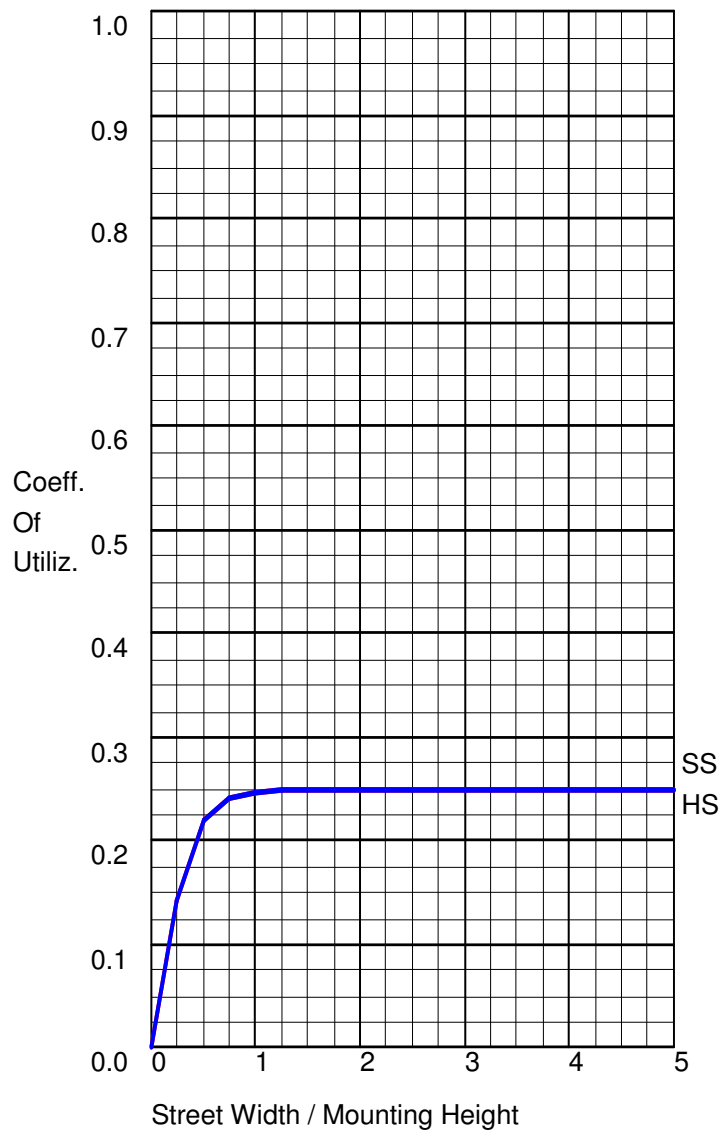
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CANDELA TABULATION

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	1297.625	1297.625	1297.625	1297.625	1297.625	1297.625	1297.625	1297.625	1297.625
5	1291.778	1290.087	1292.715	1290.087	1291.778	1290.087	1292.715	1290.087	1291.778
10	1260.234	1259.845	1258.631	1259.845	1260.234	1259.845	1258.631	1259.845	1260.234
15	1156.861	1154.406	1156.545	1154.406	1156.861	1154.406	1156.545	1154.406	1156.861
20	981.317	980.160	983.906	980.160	981.317	980.160	983.906	980.160	981.317
25	786.841	787.323	790.083	787.323	786.841	787.323	790.083	787.323	786.841
30	552.852	559.192	557.978	559.192	552.852	559.192	557.978	559.192	552.852
35	270.061	274.713	280.294	274.713	270.061	274.713	280.294	274.713	270.061
40	88.185	91.322	95.681	91.322	88.185	91.322	95.681	91.322	88.185
45	33.090	35.155	37.683	35.155	33.090	35.155	37.683	35.155	33.090
50	19.875	20.695	21.651	20.695	19.875	20.695	21.651	20.695	19.875
55	14.229	14.622	14.949	14.622	14.229	14.622	14.949	14.622	14.229
60	10.016	10.170	10.305	10.170	10.016	10.170	10.305	10.170	10.016
65	6.737	6.756	6.829	6.756	6.737	6.756	6.829	6.756	6.737
70	4.532	4.501	4.501	4.501	4.532	4.501	4.501	4.501	4.532
75	2.663	2.590	2.578	2.590	2.663	2.590	2.578	2.590	2.663
80	0.894	0.886	0.871	0.886	0.894	0.886	0.871	0.886	0.894
85	0.655	0.647	0.636	0.647	0.655	0.647	0.636	0.647	0.655
90	0.324	0.308	0.270	0.308	0.324	0.308	0.270	0.308	0.324
95	0.655	0.647	0.636	0.647	0.655	0.647	0.636	0.647	0.655
100	0.894	0.886	0.871	0.886	0.894	0.886	0.871	0.886	0.894
105	2.663	2.590	2.578	2.590	2.663	2.590	2.578	2.590	2.663
110	4.532	4.501	4.501	4.501	4.532	4.501	4.501	4.501	4.532
115	6.737	6.756	6.829	6.756	6.737	6.756	6.829	6.756	6.737
120	10.016	10.170	10.305	10.170	10.016	10.170	10.305	10.170	10.016
125	14.229	14.622	14.949	14.622	14.229	14.622	14.949	14.622	14.229
130	19.875	20.695	21.651	20.695	19.875	20.695	21.651	20.695	19.875
135	33.090	35.155	37.683	35.155	33.090	35.155	37.683	35.155	33.090
140	88.185	91.322	95.681	91.322	88.185	91.322	95.681	91.322	88.185
145	270.061	274.713	280.294	274.713	270.061	274.713	280.294	274.713	270.061
150	552.852	559.192	557.978	559.192	552.852	559.192	557.978	559.192	552.852
155	786.841	787.323	790.083	787.323	786.841	787.323	790.083	787.323	786.841
160	981.317	980.160	983.906	980.160	981.317	980.160	983.906	980.160	981.317
165	1156.861	1154.406	1156.545	1154.406	1156.861	1154.406	1156.545	1154.406	1156.861
170	1260.234	1259.845	1258.631	1259.845	1260.234	1259.845	1258.631	1259.845	1260.234
175	1291.778	1290.087	1292.715	1290.087	1291.778	1290.087	1292.715	1290.087	1291.778
180	1297.605	1297.605	1297.605	1297.605	1297.605	1297.605	1297.605	1297.605	1297.605

COEFFICIENTS OF UTILIZATION



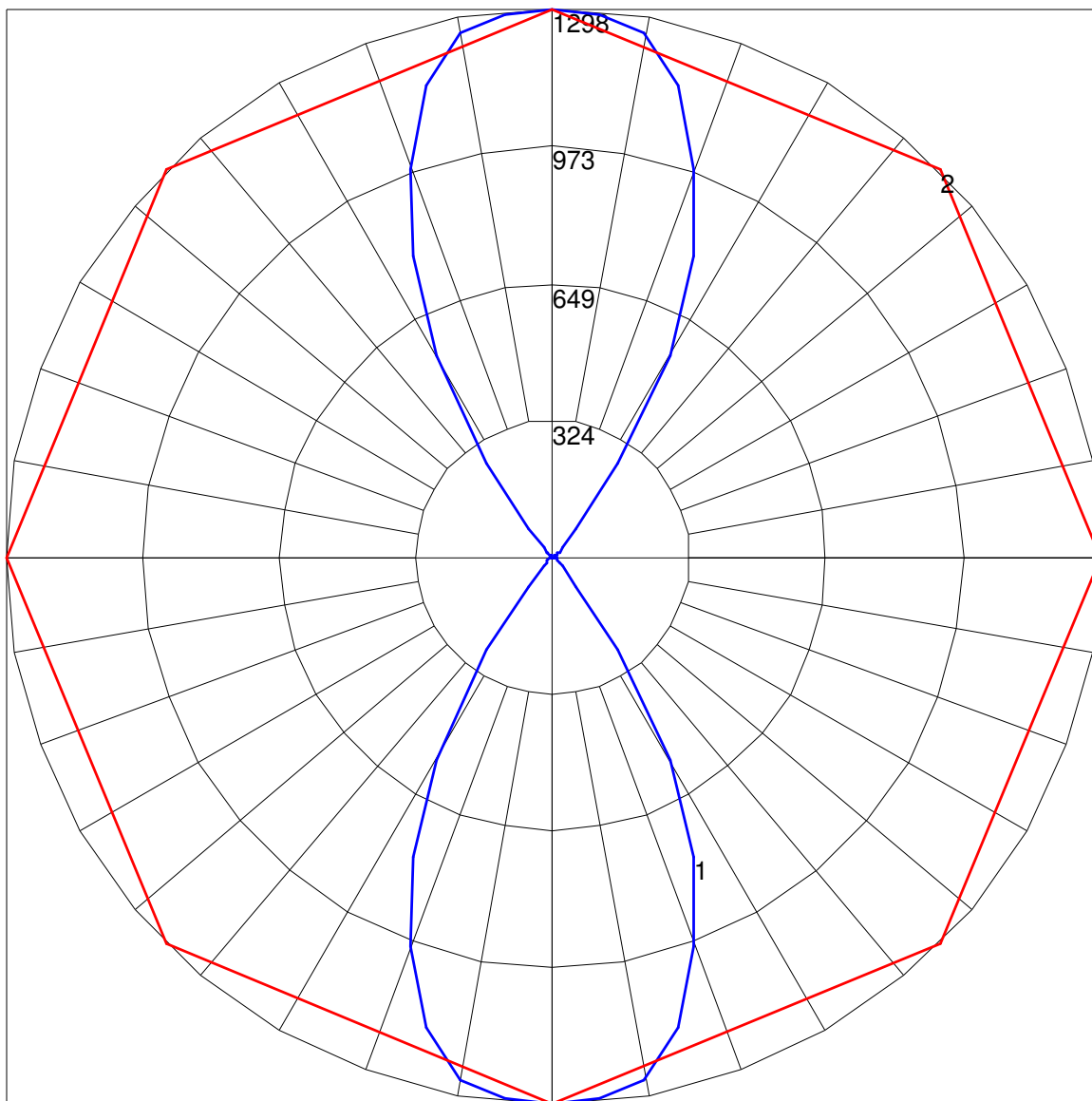
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	519.9	25.0
Downward House Side	519.9	25.0
Downward Total	1039.8	50.0
Upward Street Side	519.9	25.0
Upward House Side	519.9	25.0
Upward Total	1039.8	50.0
Total Flux	2079.6	100.0

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POLAR GRAPH



Maximum Candela = 1297.625 Located At Horizontal Angle = 360, Vertical Angle = 0

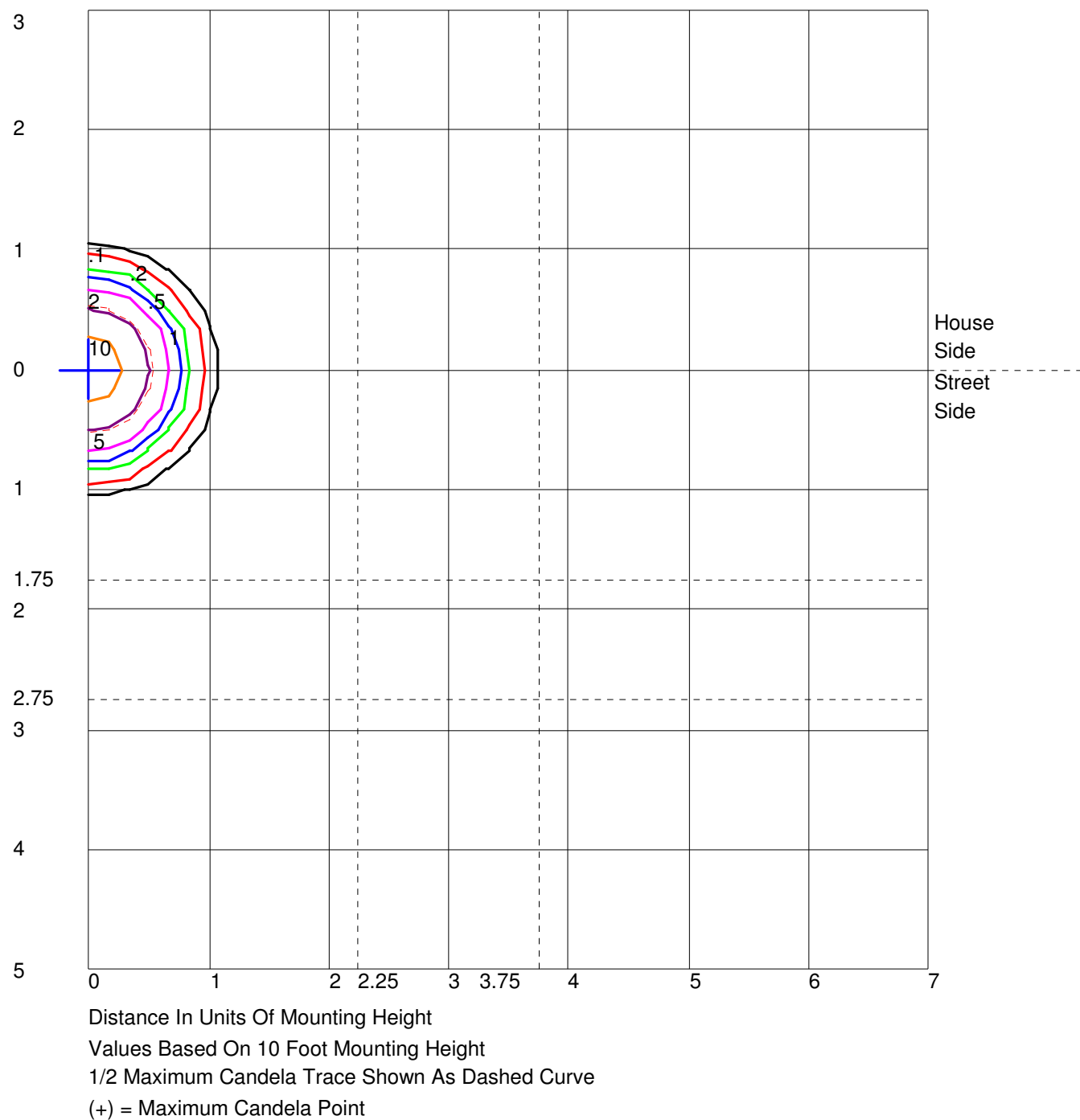
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

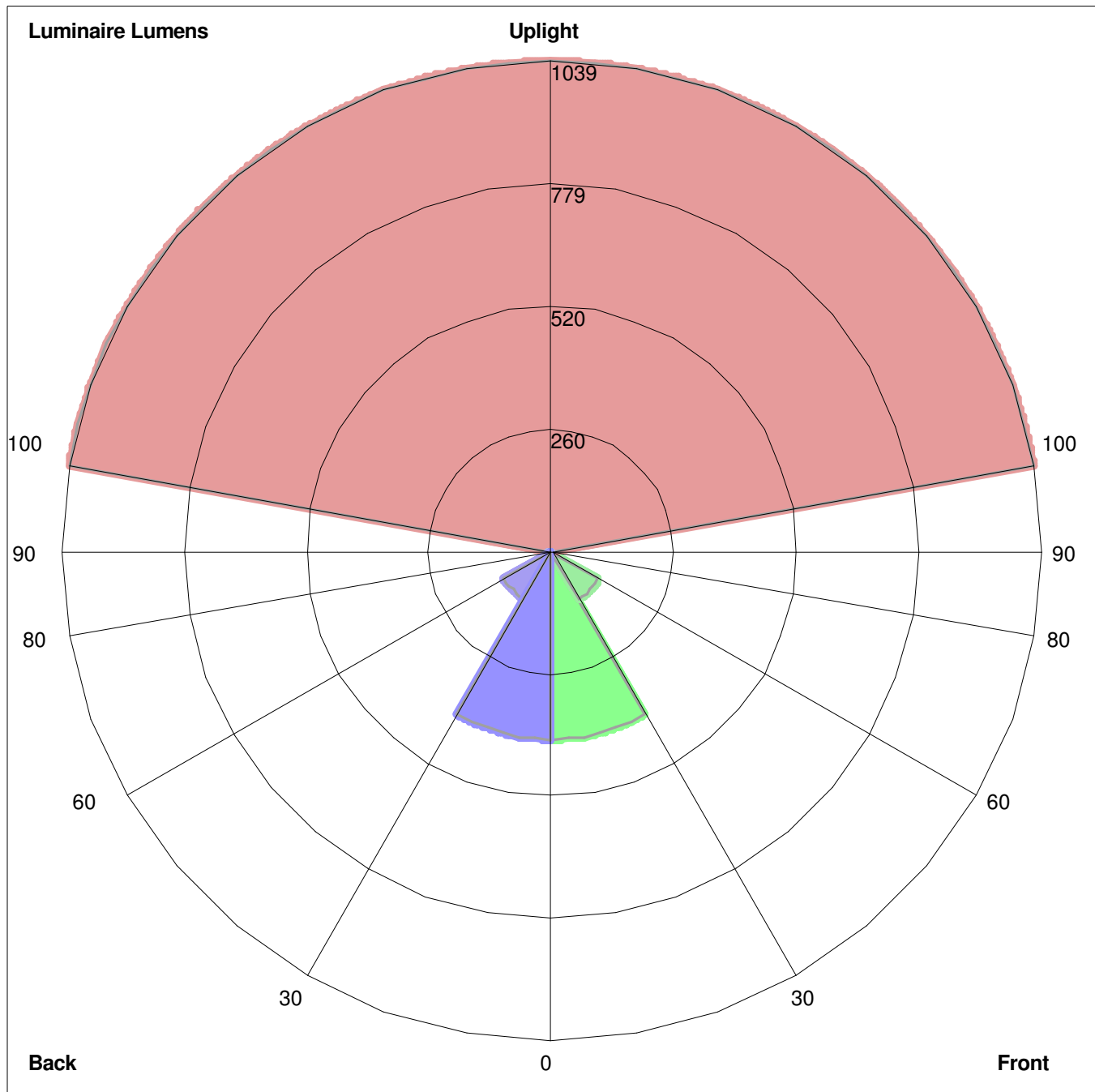
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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=398.7, Medium=116.0, High=4.9, Very High=0.3
Back: Low=398.7, Medium=116.0, High=4.9, Very High=0.3
Uplight: Low=0.7, High=1039.1

BUG Rating : B1-U5-G0