

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-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-L10-840U-L10-840D-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	2107
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	1978.608
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1978.608
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.295 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.839 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-840U-L10-840D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	435.1	N.A.	20.6
FM - Front-Medium (30-60)	86.6	N.A.	4.1
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)	435.1	N.A.	20.6
BM - Back-Medium (30-60)	86.6	N.A.	4.1
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)	0.6	N.A.	0.0
UH - Uplight-High (100-180)	1052.8	N.A.	50.0
Total	2107.0	N.A.	100.0
BUG Rating	B1-U5-G0		

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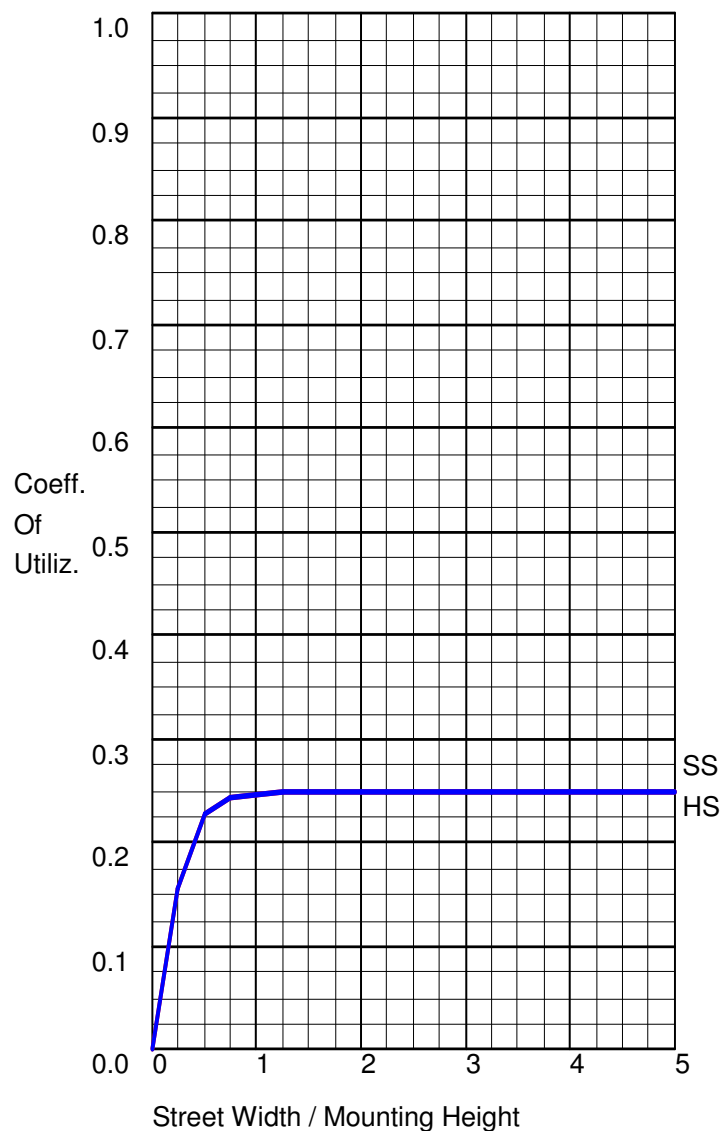
CANDELA TABULATION

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	1978.608	1978.608	1978.608	1978.608	1978.608	1978.608	1978.608	1978.608	1978.608
5	1912.368	1907.694	1905.824	1907.694	1912.368	1907.694	1905.824	1907.694	1912.368
10	1694.730	1694.235	1690.423	1694.235	1694.730	1694.235	1690.423	1694.235	1694.730
15	1343.150	1344.771	1351.504	1344.771	1343.150	1344.771	1351.504	1344.771	1343.150
20	979.675	986.007	997.127	986.007	979.675	986.007	997.127	986.007	979.675
25	693.790	698.986	706.796	698.986	693.790	698.986	706.796	698.986	693.790
30	442.104	450.266	452.382	450.266	442.104	450.266	452.382	450.266	442.104
35	193.105	196.517	199.494	196.517	193.105	196.517	199.494	196.517	193.105
40	54.391	56.015	59.016	56.015	54.391	56.015	59.016	56.015	54.391
45	22.867	24.190	26.128	24.190	22.867	24.190	26.128	24.190	22.867
50	17.317	17.891	18.616	17.891	17.317	17.891	18.616	17.891	17.317
55	13.818	14.082	14.339	14.082	13.818	14.082	14.339	14.082	13.818
60	9.756	9.854	10.017	9.854	9.756	9.854	10.017	9.854	9.756
65	6.514	6.522	6.624	6.522	6.514	6.522	6.624	6.522	6.514
70	4.432	4.394	4.440	4.394	4.432	4.394	4.440	4.394	4.432
75	2.637	2.569	2.592	2.569	2.637	2.569	2.592	2.569	2.637
80	0.839	0.827	0.816	0.827	0.839	0.827	0.816	0.827	0.839
85	0.608	0.608	0.601	0.608	0.608	0.608	0.601	0.608	0.608
90	0.295	0.287	0.249	0.287	0.295	0.287	0.249	0.287	0.295
95	0.608	0.608	0.601	0.608	0.608	0.608	0.601	0.608	0.608
100	0.839	0.827	0.816	0.827	0.839	0.827	0.816	0.827	0.839
105	2.637	2.569	2.592	2.569	2.637	2.569	2.592	2.569	2.637
110	4.432	4.394	4.440	4.394	4.432	4.394	4.440	4.394	4.432
115	6.514	6.522	6.624	6.522	6.514	6.522	6.624	6.522	6.514
120	9.756	9.854	10.017	9.854	9.756	9.854	10.017	9.854	9.756
125	13.818	14.082	14.339	14.082	13.818	14.082	14.339	14.082	13.818
130	17.317	17.891	18.616	17.891	17.317	17.891	18.616	17.891	17.317
135	22.867	24.190	26.128	24.190	22.867	24.190	26.128	24.190	22.867
140	54.391	56.015	59.016	56.015	54.391	56.015	59.016	56.015	54.391
145	193.105	196.517	199.494	196.517	193.105	196.517	199.494	196.517	193.105
150	442.104	450.266	452.382	450.266	442.104	450.266	452.382	450.266	442.104
155	693.790	698.986	706.796	698.986	693.790	698.986	706.796	698.986	693.790
160	979.675	986.007	997.127	986.007	979.675	986.007	997.127	986.007	979.675
165	1343.150	1344.771	1351.504	1344.771	1343.150	1344.771	1351.504	1344.771	1343.150
170	1694.730	1694.235	1690.423	1694.235	1694.730	1694.235	1690.423	1694.235	1694.730
175	1912.368	1907.694	1905.824	1907.694	1912.368	1907.694	1905.824	1907.694	1912.368
180	1978.393	1978.393	1978.393	1978.393	1978.393	1978.393	1978.393	1978.393	1978.393

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COEFFICIENTS OF UTILIZATION



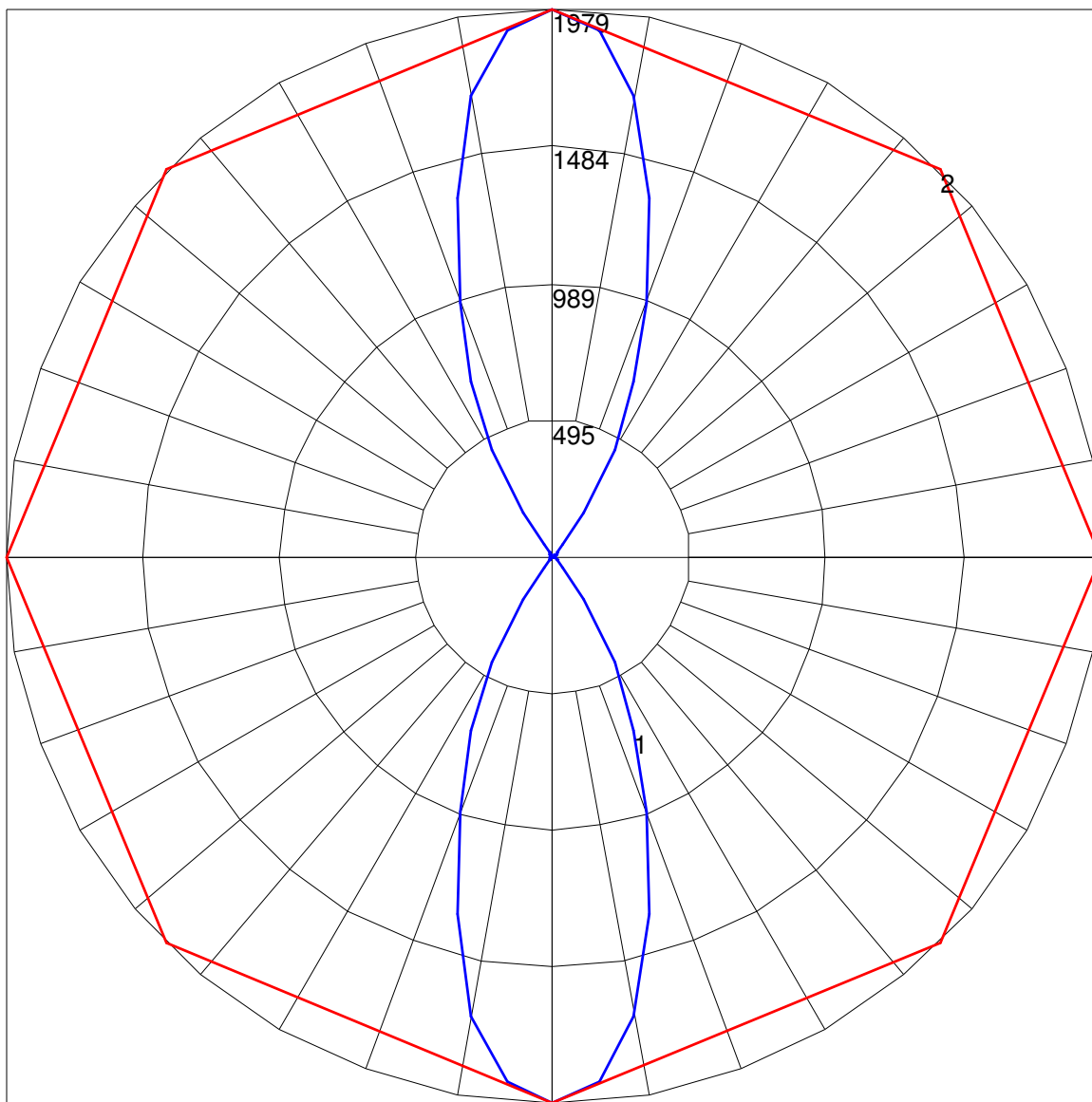
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	526.7	25.0
Downward House Side	526.7	25.0
Downward Total	1053.4	50.0
Upward Street Side	526.7	25.0
Upward House Side	526.7	25.0
Upward Total	1053.4	50.0
Total Flux	2106.8	100.0

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POLAR GRAPH

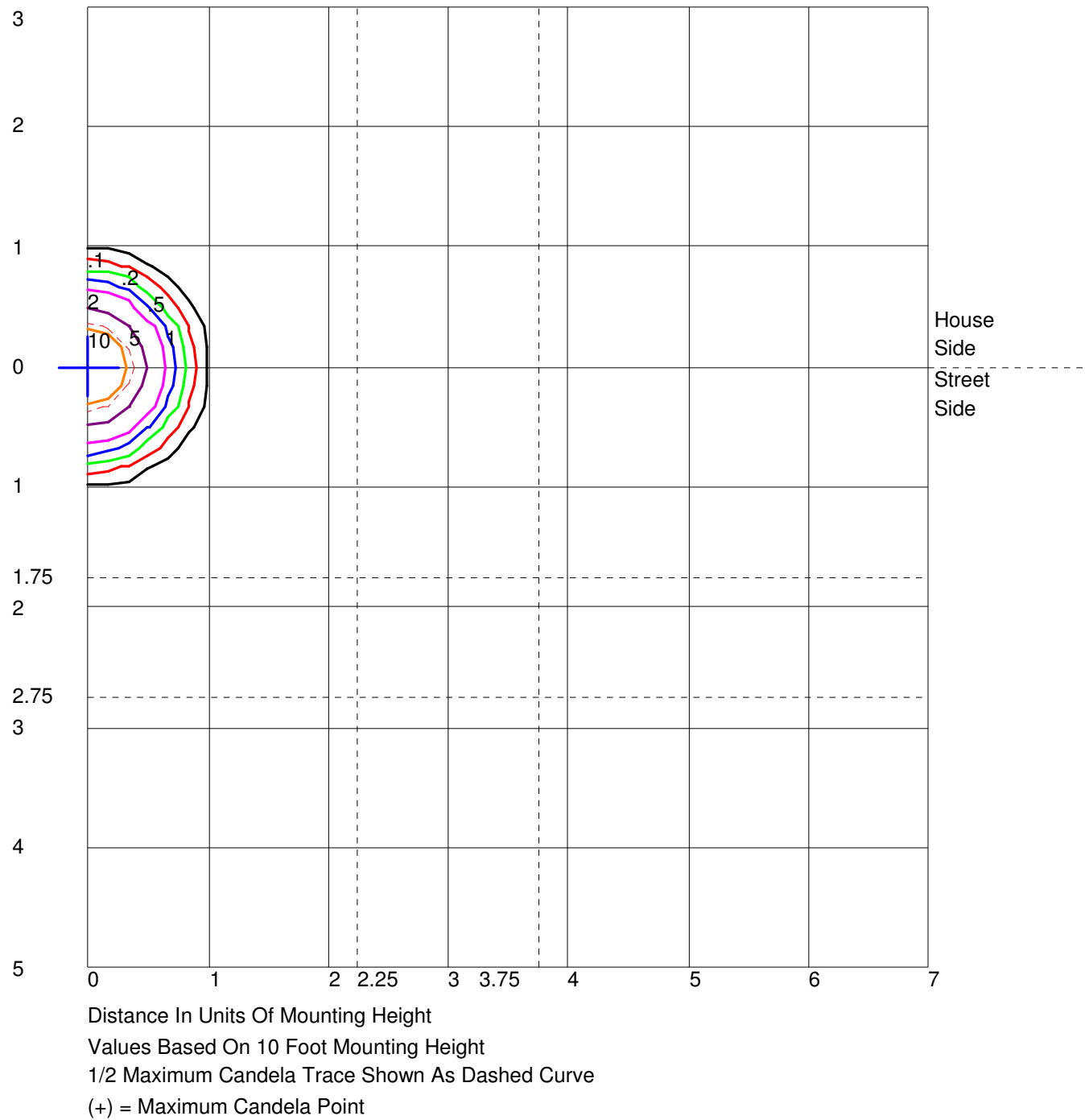


Maximum Candela = 1978.608 Located At Horizontal Angle = 360, Vertical Angle = 0

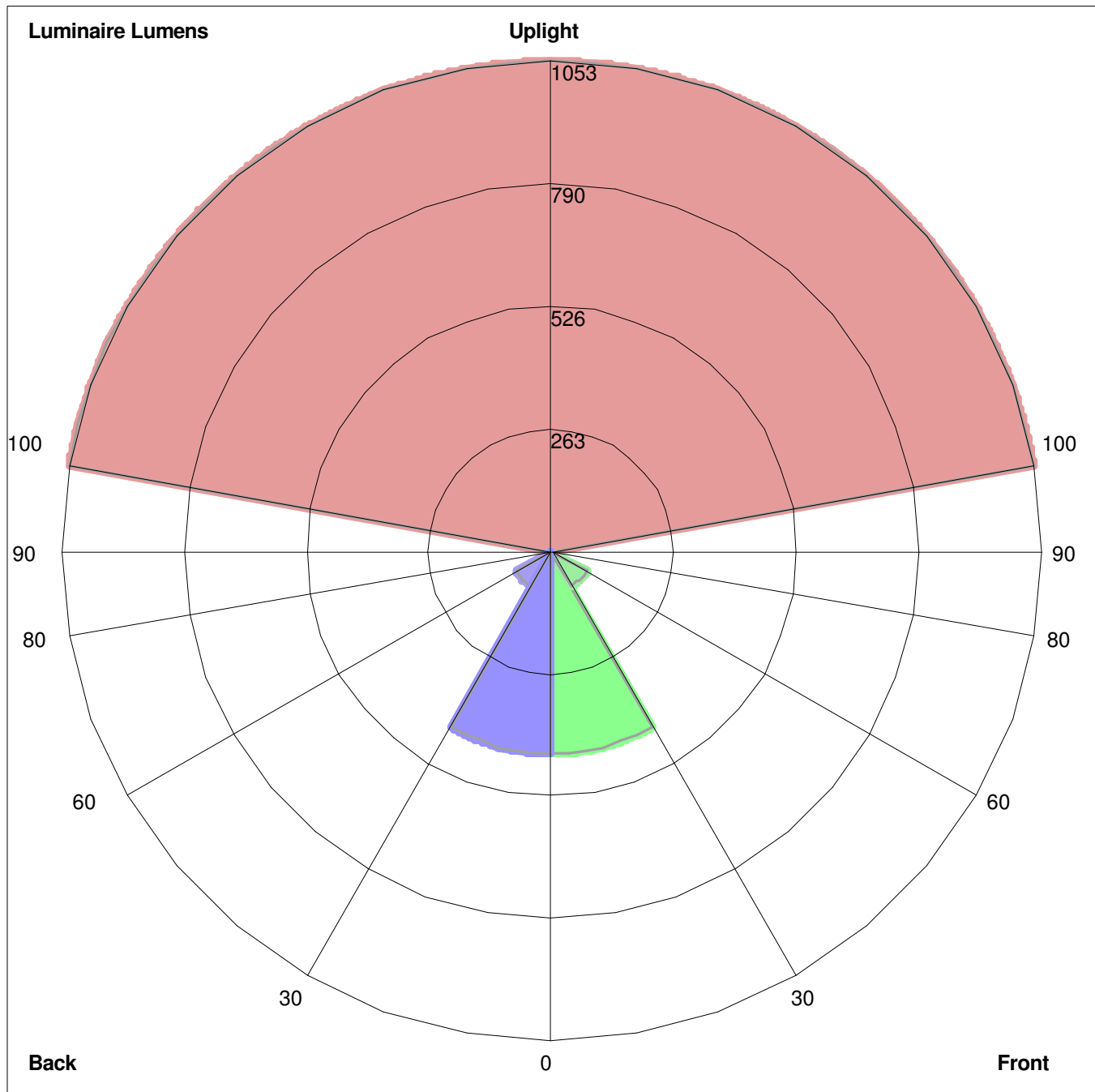
1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=435.1, Medium=86.6, High=4.8, Very High=0.3
Back: Low=435.1, Medium=86.6, High=4.8, Very High=0.3
Uplight: Low=0.6, High=1052.8

BUG Rating : B1-U5-G0