

IES ROAD REPORT

PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-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-L10-935U-L10-935D-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	2003
Downward Total Efficiency	N.A. (absolute)
Total Luminaire Efficiency	N.A. (absolute)
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	19.6
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Maximum Candela	1880.658
Maximum Candela Angle	360H 0V
Maximum Candela (<90 Degrees Vertical)	1880.658
Maximum Candela Angle (<90 Degrees Vertical)	360H 0V
Maximum Candela At 90 Degrees Vertical	.28 (0.0% Luminaire Lumens)
Maximum Candela from 80 to <90 Degrees Vertical	.797 (0.0% Luminaire Lumens)
Cutoff Classification (deprecated)	N.A. (absolute)

IES ROAD REPORT**PHOTOMETRIC FILENAME : W4CRDI-XX-L10-935U-L10-935D-XXX-DIM-UNV-M-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	413.5	N.A.	20.7
FM - Front-Medium (30-60)	82.3	N.A.	4.1
FH - Front-High (60-80)	4.5	N.A.	0.2
FVH - Front-Very High (80-90)	0.3	N.A.	0.0
BL - Back-Low (0-30)	413.5	N.A.	20.7
BM - Back-Medium (30-60)	82.3	N.A.	4.1
BH - Back-High (60-80)	4.5	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)	1000.7	N.A.	50.0
Total	2002.5	N.A.	100.0
BUG Rating	B1-U5-G0		

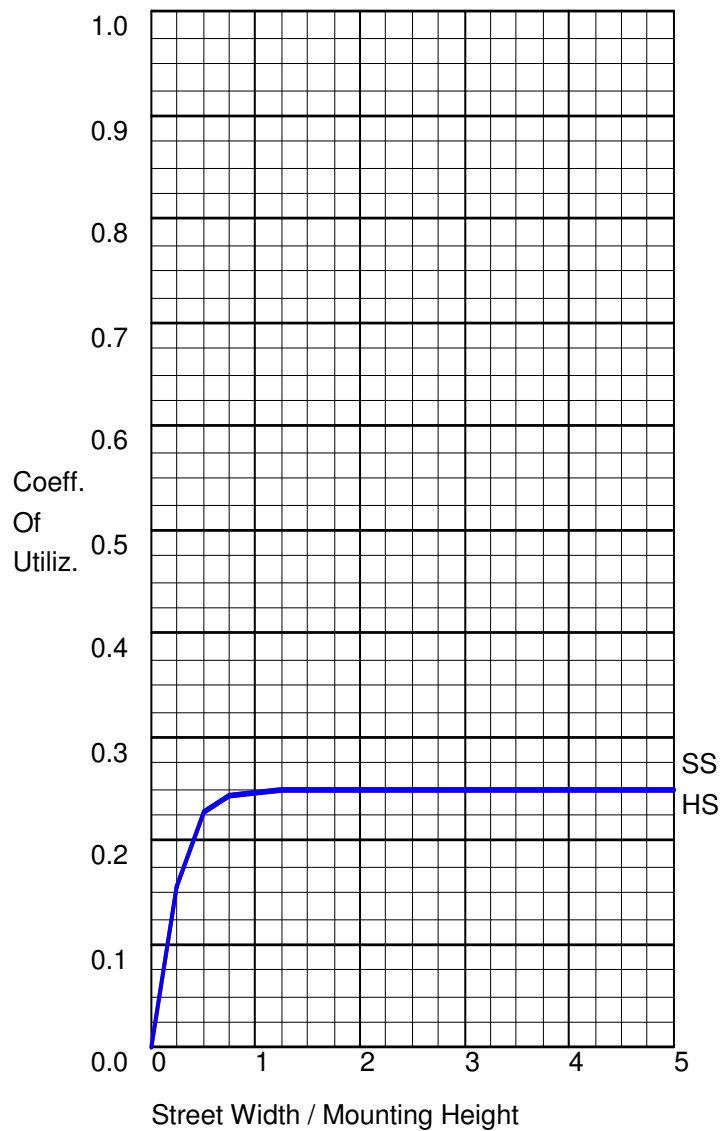
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CANDELA TABULATION

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	1880.658	1880.658	1880.658	1880.658	1880.658	1880.658	1880.658	1880.658	1880.658
5	1817.697	1813.254	1811.477	1813.254	1817.697	1813.254	1811.477	1813.254	1817.697
10	1610.833	1610.362	1606.739	1610.362	1610.833	1610.362	1606.739	1610.362	1610.833
15	1276.657	1278.198	1284.598	1278.198	1276.657	1278.198	1284.598	1278.198	1276.657
20	931.176	937.195	947.765	937.195	931.176	937.195	947.765	937.195	931.176
25	659.444	664.382	671.806	664.382	659.444	664.382	671.806	664.382	659.444
30	420.218	427.975	429.987	427.975	420.218	427.975	429.987	427.975	420.218
35	183.545	186.788	189.618	186.788	183.545	186.788	189.618	186.788	183.545
40	51.698	53.242	56.094	53.242	51.698	53.242	56.094	53.242	51.698
45	21.735	22.992	24.834	22.992	21.735	22.992	24.834	22.992	21.735
50	16.459	17.005	17.695	17.005	16.459	17.005	17.695	17.005	16.459
55	13.134	13.385	13.629	13.385	13.134	13.385	13.629	13.385	13.134
60	9.273	9.366	9.521	9.366	9.273	9.366	9.521	9.366	9.273
65	6.192	6.199	6.296	6.199	6.192	6.199	6.296	6.199	6.192
70	4.213	4.177	4.220	4.177	4.213	4.177	4.220	4.177	4.213
75	2.507	2.442	2.464	2.442	2.507	2.442	2.464	2.442	2.507
80	0.797	0.787	0.776	0.787	0.797	0.787	0.776	0.787	0.797
85	0.578	0.578	0.571	0.578	0.578	0.578	0.571	0.578	0.578
90	0.280	0.273	0.237	0.273	0.280	0.273	0.237	0.273	0.280
95	0.578	0.578	0.571	0.578	0.578	0.578	0.571	0.578	0.578
100	0.797	0.787	0.776	0.787	0.797	0.787	0.776	0.787	0.797
105	2.507	2.442	2.464	2.442	2.507	2.442	2.464	2.442	2.507
110	4.213	4.177	4.220	4.177	4.213	4.177	4.220	4.177	4.213
115	6.192	6.199	6.296	6.199	6.192	6.199	6.296	6.199	6.192
120	9.273	9.366	9.521	9.366	9.273	9.366	9.521	9.366	9.273
125	13.134	13.385	13.629	13.385	13.134	13.385	13.629	13.385	13.134
130	16.459	17.005	17.695	17.005	16.459	17.005	17.695	17.005	16.459
135	21.735	22.992	24.834	22.992	21.735	22.992	24.834	22.992	21.735
140	51.698	53.242	56.094	53.242	51.698	53.242	56.094	53.242	51.698
145	183.545	186.788	189.618	186.788	183.545	186.788	189.618	186.788	183.545
150	420.218	427.975	429.987	427.975	420.218	427.975	429.987	427.975	420.218
155	659.444	664.382	671.806	664.382	659.444	664.382	671.806	664.382	659.444
160	931.176	937.195	947.765	937.195	931.176	937.195	947.765	937.195	931.176
165	1276.657	1278.198	1284.598	1278.198	1276.657	1278.198	1284.598	1278.198	1276.657
170	1610.833	1610.362	1606.739	1610.362	1610.833	1610.362	1606.739	1610.362	1610.833
175	1817.697	1813.254	1811.477	1813.254	1817.697	1813.254	1811.477	1813.254	1817.697
180	1880.453	1880.453	1880.453	1880.453	1880.453	1880.453	1880.453	1880.453	1880.453

COEFFICIENTS OF UTILIZATION



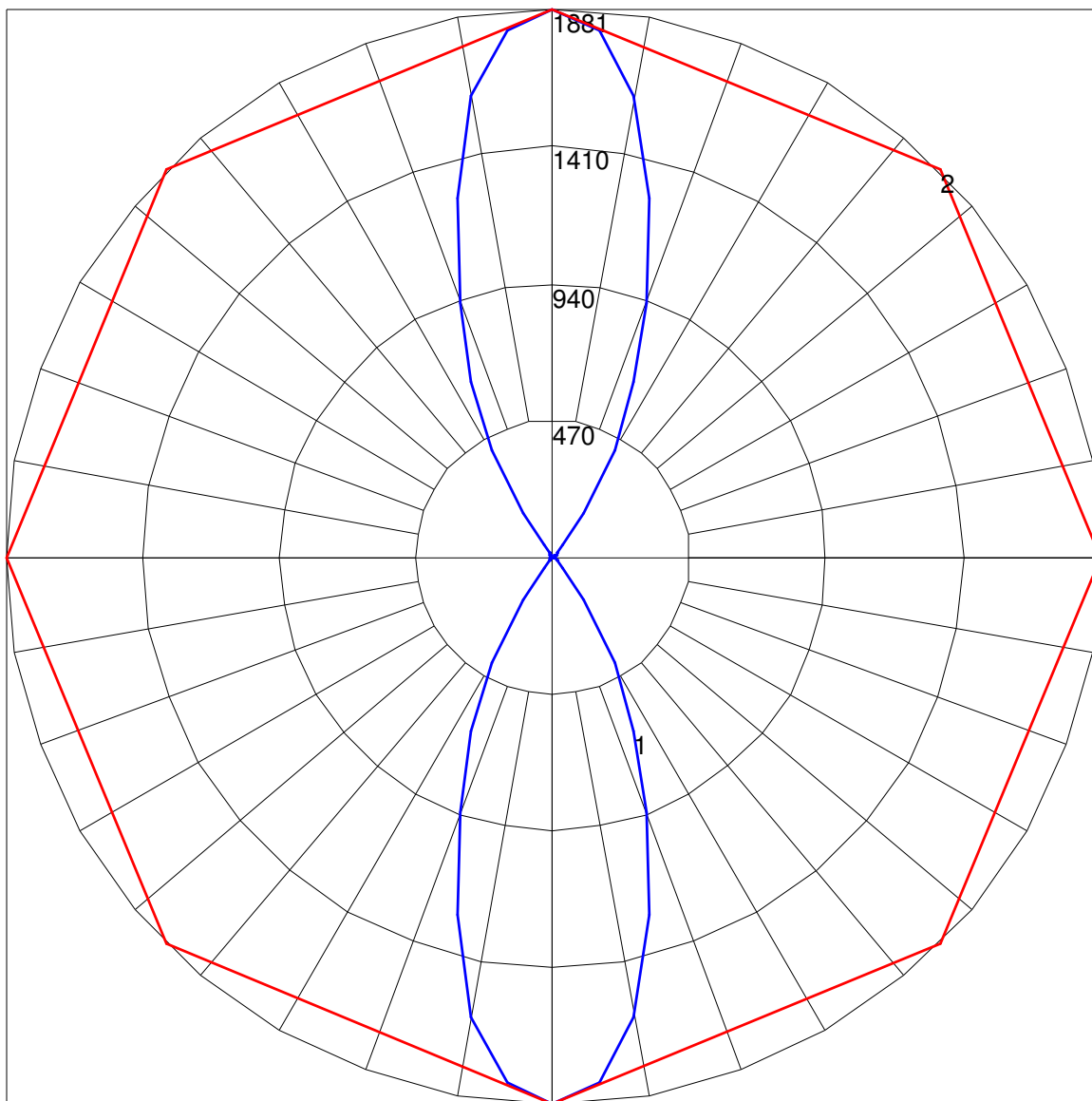
FLUX DISTRIBUTION

	Lumens	Percent Of Luminaire
Downward Street Side	500.7	25.0
Downward House Side	500.7	25.0
Downward Total	1001.4	50.0
Upward Street Side	500.7	25.0
Upward House Side	500.7	25.0
Upward Total	1001.4	50.0
Total Flux	2002.8	100.0

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POLAR GRAPH



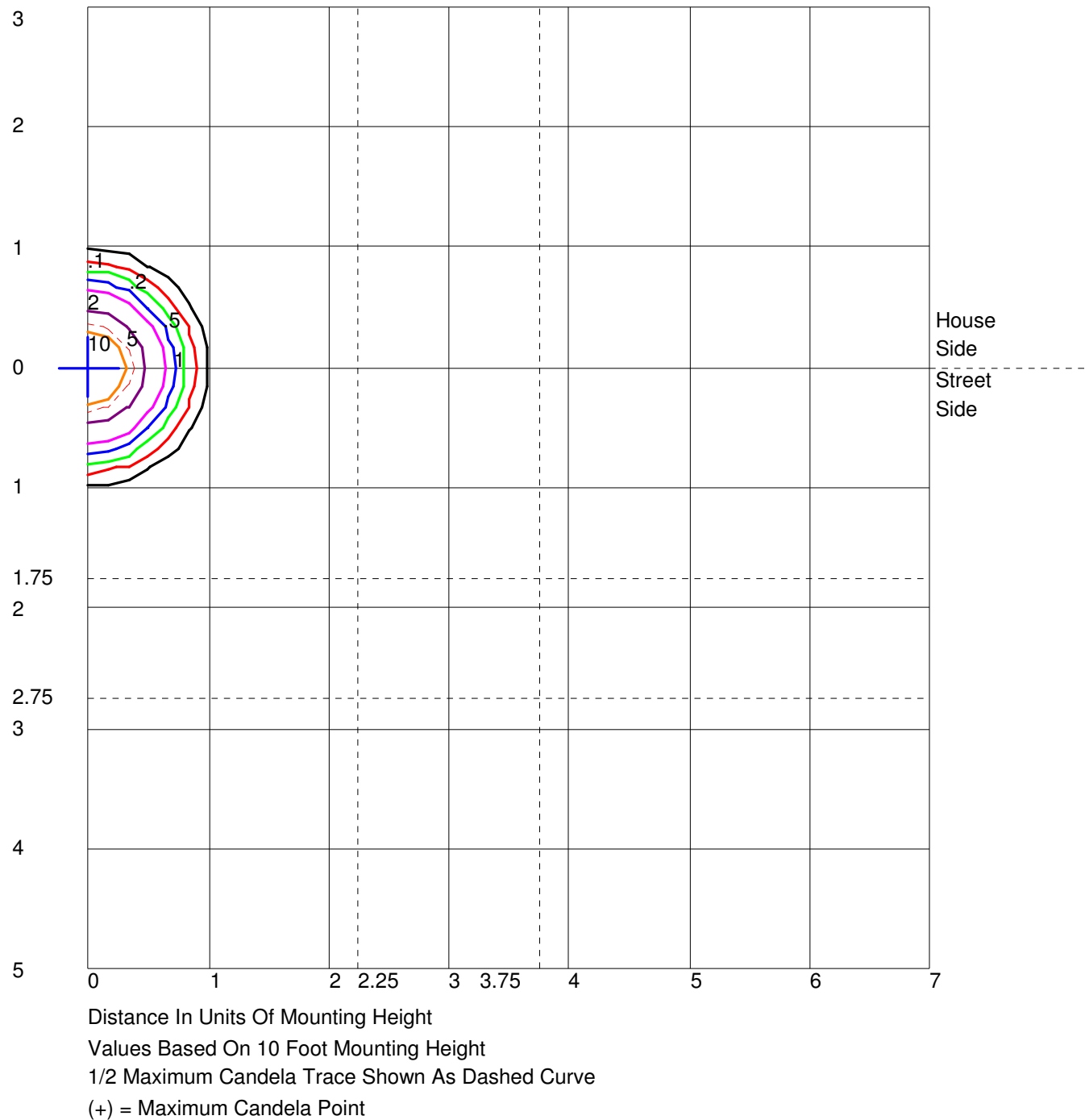
Maximum Candela = 1880.658 Located At Horizontal Angle = 360, Vertical Angle = 0

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

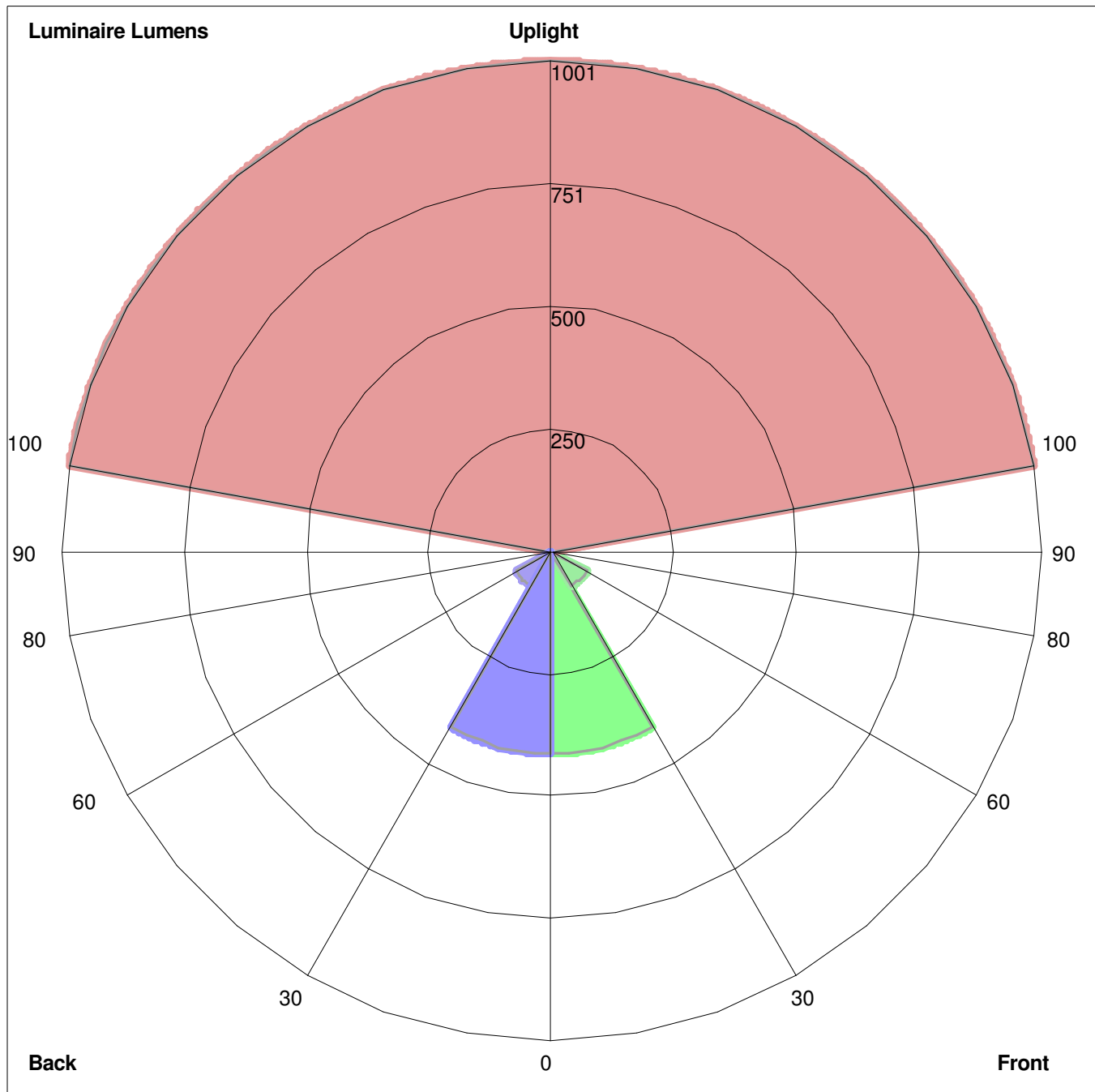
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:
Front: Low=413.5, Medium=82.3, High=4.5, Very High=0.3
Back: Low=413.5, Medium=82.3, High=4.5, Very High=0.3
Uplight: Low=0.6, High=1000.7

BUG Rating : B1-U5-G0