

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P394766

Luminaire Tested: **303-B2-LEDB4-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B2-LEDB4-4000-UNV-T2-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2 WITH EDGE GLOW  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2642.3 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')  
IES Classification: Type I - Short  
BUG Rating: B1 - U2 - G1

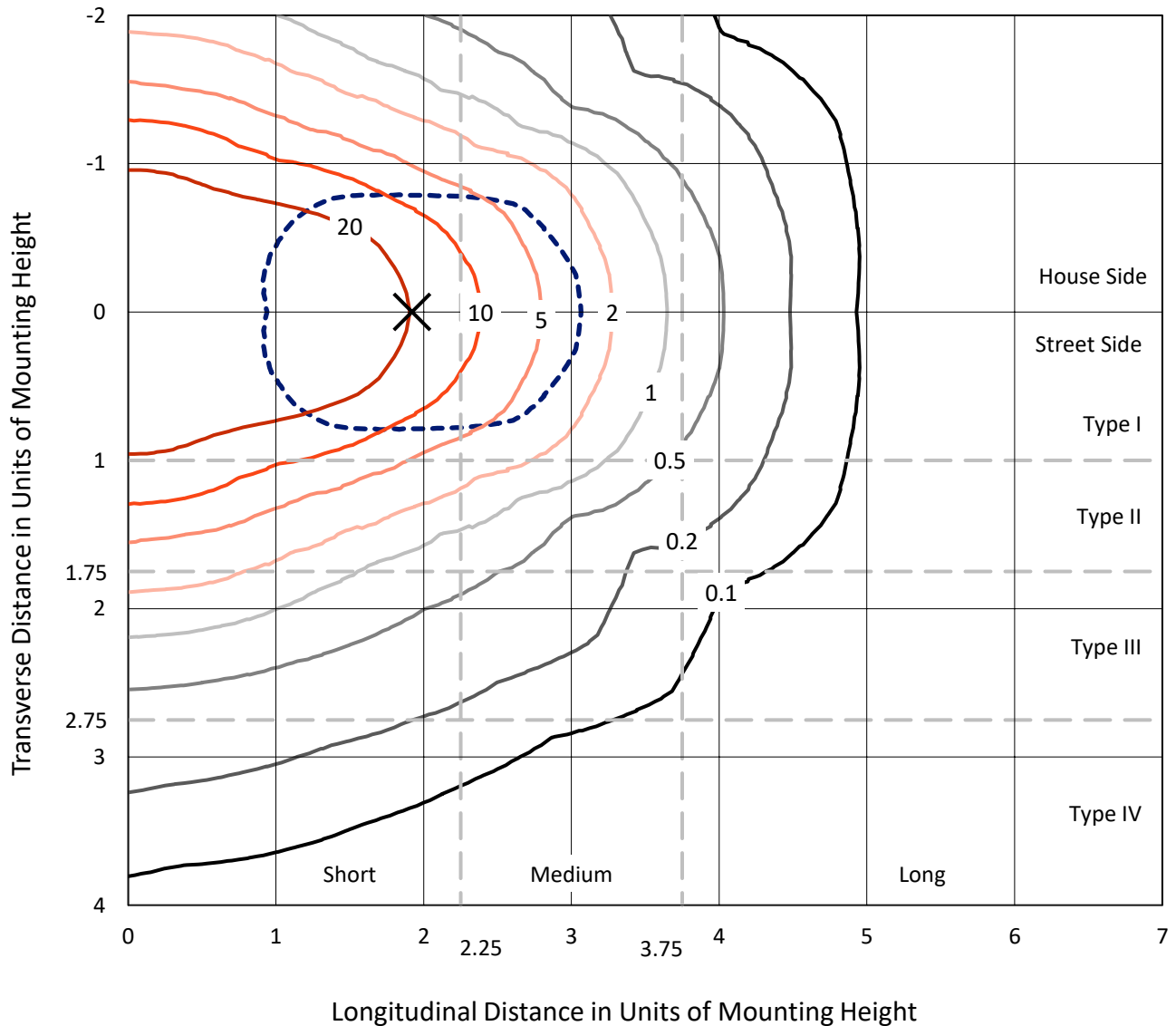
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

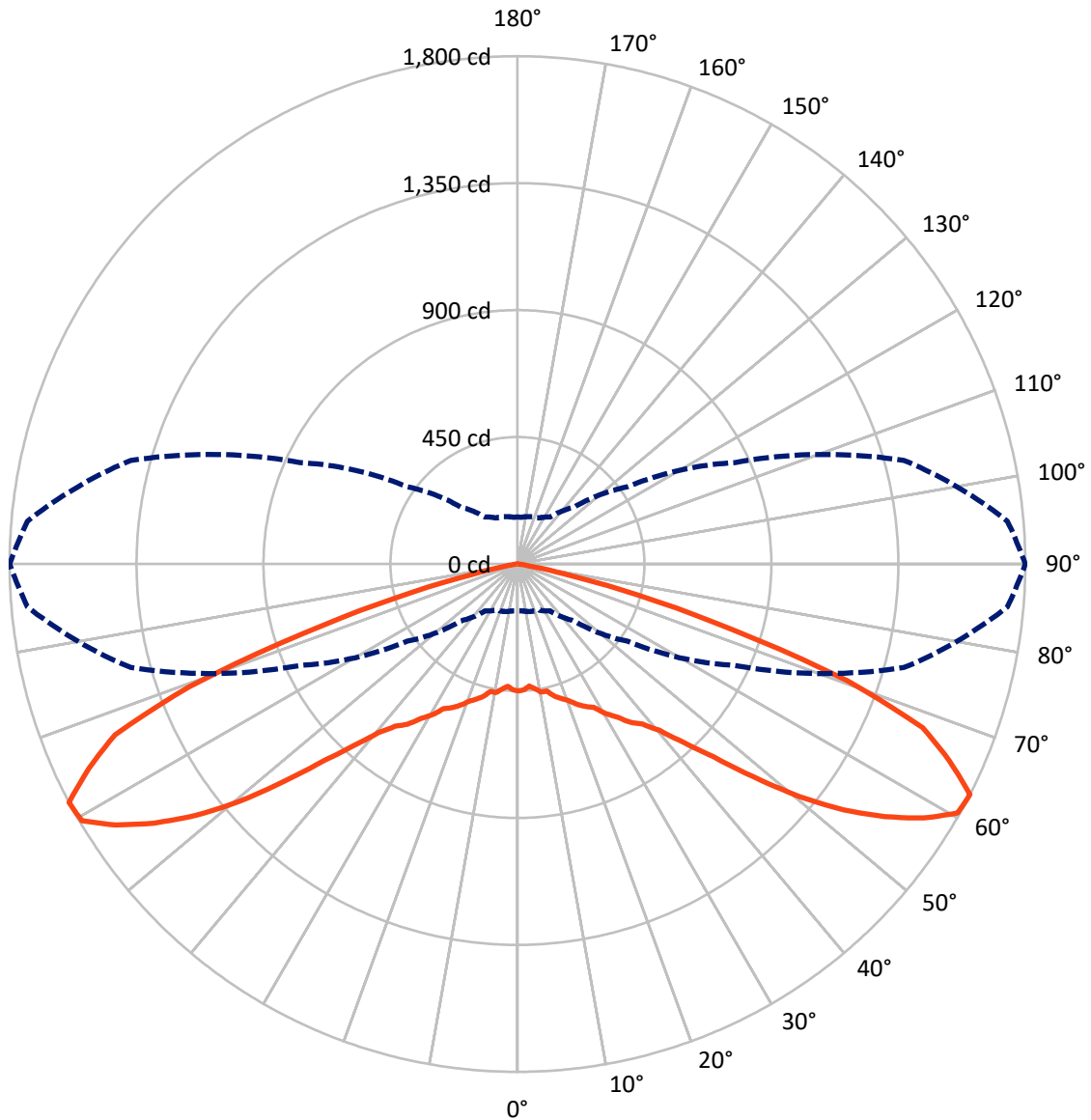
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 50 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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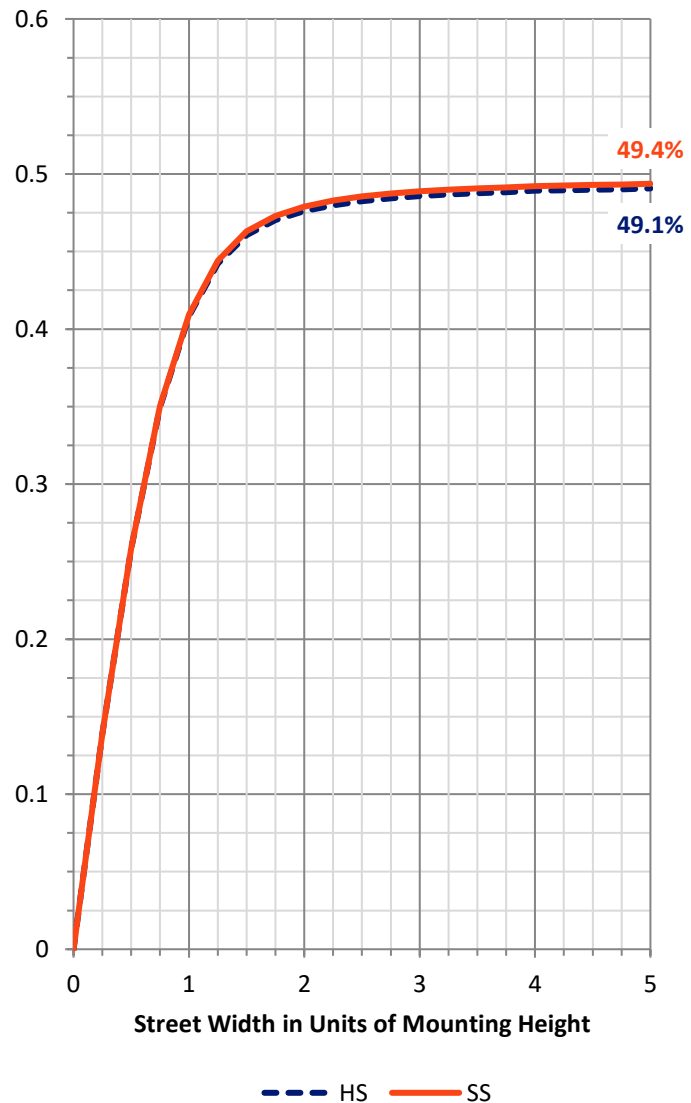
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1306.9	14.2	1321.2
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	1306.9	14.2	1321.2
	% Fixture	49.5	0.5	50.0
<b>Total</b>	Lumens	2613.9	28.4	2642.3
	% Fixture	98.9	1.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.4	1.4
10°-20°	110.2	4.2
20°-30°	213.8	8.1
30°-40°	362.1	13.7
40°-50°	523.1	19.8
50°-60°	655.5	24.8
60°-70°	517.9	19.6
70°-80°	169.4	6.4
80°-90°	24.6	0.9
90°-100°	11.5	0.4
100°-110°	7.9	0.3
110°-120°	4.7	0.2
120°-130°	2.6	0.1
130°-140°	1.3	0.0
140°-150°	0.5	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2613.9	98.9
0°-180°	2642.3	100.0



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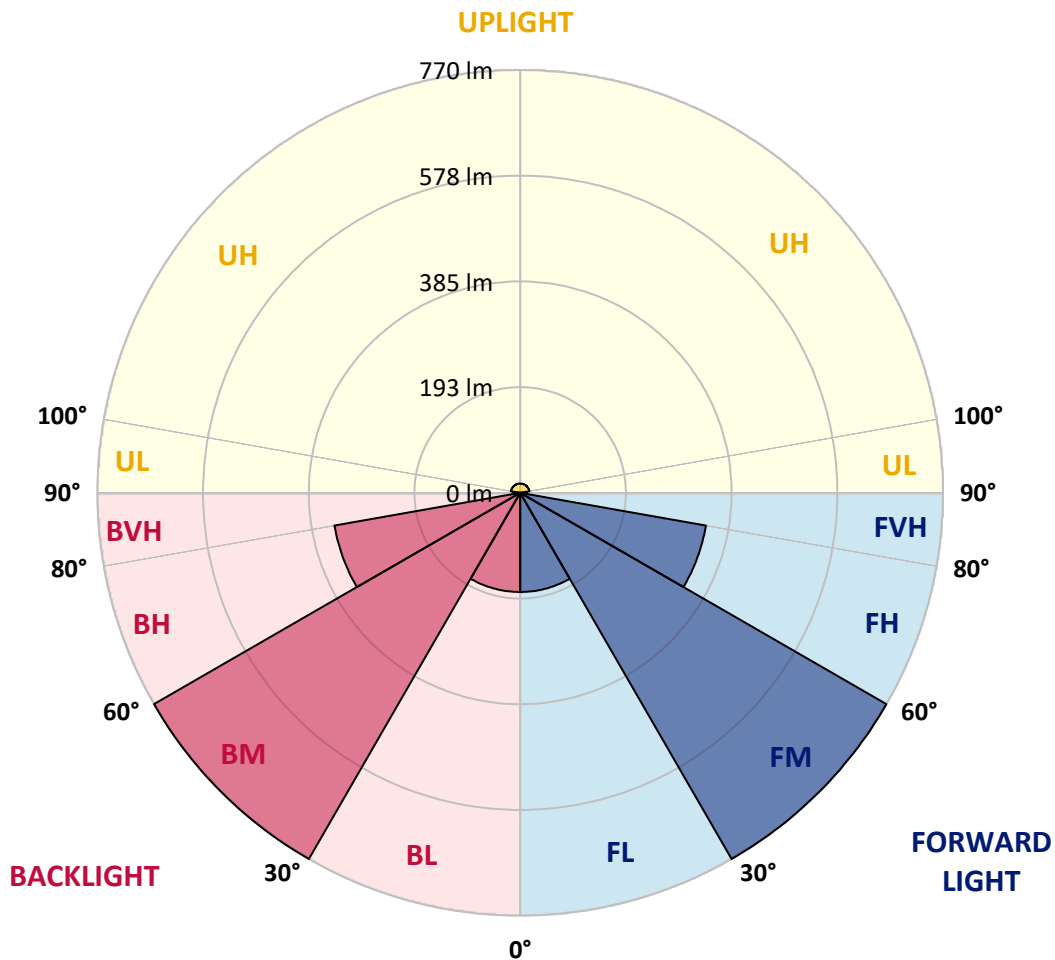
CATALOG NUMBER: 303-B2-LEDB4-4000-UNV-T2-DIM10-EDGE

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.7	6.8			
FM	(30°-60°)	770.3	29.2			
FH	(60°-80°)	343.6	13.0			G0/660
FVH	(80°-90°)	12.3	0.5			G1/100
BL	(0°-30°)	180.7	6.8	B1/500		
BM	(30°-60°)	770.3	29.2	B1/1000		
BH	(60°-80°)	343.6	13.0	B1/500		G1/500
BVH	(80°-90°)	12.3	0.5			G1/100
UL	(90°-100°)	11.5	0.4		U2/50	
UH	(100°-180°)	16.9	0.6		U2/50	

**BUG Rating: B1-U2-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	426.5	422.5	424.5	426.5	425.5	424.5	423.5	422.5	421.6	420.6	426.5
5°	336.5	342.3	345.3	348.2	351.1	354.1	358.0	361.9	371.7	381.5	397.1
7.5°	328.6	338.4	334.5	330.6	329.6	328.6	325.7	322.8	333.5	344.3	371.7
10°	334.5	338.4	339.4	340.4	338.4	336.5	337.4	338.4	344.3	350.2	362.9
12.5°	320.8	322.8	325.7	328.6	328.6	328.6	330.6	332.6	347.2	361.9	378.5
15°	324.7	328.6	325.7	322.8	325.7	328.6	327.7	326.7	341.4	356.0	382.4
17.5°	332.6	340.4	342.3	344.3	341.4	338.4	333.5	328.6	341.4	354.1	383.4
20°	363.9	363.9	364.8	365.8	363.9	361.9	359.9	358.0	363.9	369.7	392.2
22.5°	383.4	383.4	385.4	387.3	385.4	383.4	381.5	379.5	391.2	403.0	417.6
25°	406.9	406.9	408.8	410.8	411.8	412.8	406.9	401.0	413.7	426.5	443.1
27.5°	432.3	434.3	435.3	436.2	437.2	438.2	437.2	436.2	450.9	465.6	485.1
30°	455.8	453.8	460.7	467.5	466.6	465.6	465.6	465.6	479.3	493.0	519.4
32.5°	465.6	471.4	476.3	481.2	486.1	491.0	493.0	494.9	510.6	526.2	557.5
35°	481.2	475.4	487.1	498.8	502.7	506.7	504.7	502.7	527.2	551.6	589.8
37.5°	483.2	489.1	493.9	498.8	506.7	514.5	510.6	506.7	541.9	577.1	620.1
40°	485.1	487.1	493.9	500.8	505.7	510.6	520.4	530.1	550.7	571.2	625.0
42.5°	481.2	481.2	488.1	494.9	499.8	504.7	514.5	524.3	561.4	598.6	657.3
45°	471.4	477.3	478.3	479.3	485.1	491.0	502.7	514.5	558.5	602.5	658.3
47.5°	451.9	448.0	454.8	461.7	472.4	483.2	492.0	500.8	544.8	588.8	665.1
50°	424.5	428.4	432.3	436.2	446.0	455.8	461.7	467.5	516.4	565.3	656.3
52.5°	389.3	393.2	398.1	403.0	414.7	426.5	432.3	438.2	489.1	539.9	647.5
55°	348.2	324.7	336.5	348.2	361.9	375.6	388.3	401.0	446.0	491.0	612.3
57.5°	266.0	262.1	267.0	271.9	290.5	309.1	327.7	346.2	389.3	432.3	557.5
60°	217.1	205.4	209.3	213.2	225.0	236.7	254.3	271.9	318.9	365.8	475.4
62.5°	166.3	166.3	170.2	174.1	177.0	180.0	191.7	203.4	244.5	285.6	381.5
65°	131.1	129.1	132.0	135.0	138.9	142.8	148.7	154.5	175.1	195.6	271.9
67.5°	99.8	99.8	101.7	103.7	107.6	111.5	116.4	121.3	133.0	144.8	188.8
70°	80.2	78.2	79.2	80.2	85.1	90.0	98.8	107.6	116.4	125.2	144.8
72.5°	72.4	68.5	68.5	68.5	69.4	70.4	77.3	84.1	97.8	111.5	128.1
75°	56.7	52.8	53.8	54.8	55.8	56.7	60.6	64.6	71.4	78.2	98.8
77.5°	37.2	37.2	37.2	37.2	37.2	37.2	39.1	41.1	46.0	50.9	68.5
80°	29.3	29.3	29.3	29.3	29.3	29.3	28.4	27.4	30.3	33.3	40.1
82.5°	25.4	25.4	25.4	25.4	24.5	23.5	23.5	23.5	22.5	21.5	24.5
85°	21.5	21.5	21.5	21.5	21.5	21.5	20.5	19.6	18.6	17.6	16.6
87.5°	19.6	19.6	19.6	19.6	18.6	17.6	17.6	17.6	15.6	13.7	12.7
90°	19.6	17.6	17.6	17.6	17.6	17.6	16.6	15.6	14.7	13.7	11.7
92.5°	17.6	17.6	17.6	17.6	16.6	15.6	15.6	15.6	13.7	11.7	10.8
95°	17.6	17.6	16.6	15.6	15.6	15.6	14.7	13.7	12.7	11.7	10.8
97.5°	15.6	15.6	15.6	15.6	15.6	15.6	14.7	13.7	12.7	11.7	10.8
100°	13.7	13.7	13.7	13.7	13.7	13.7	12.7	11.7	10.8	9.8	8.8
102.5°	13.7	13.7	13.7	13.7	12.7	11.7	11.7	11.7	10.8	9.8	8.8
105°	11.7	11.7	11.7	11.7	11.7	11.7	10.8	9.8	8.8	7.8	6.8
107.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.8	7.8	6.8
110°	9.8	9.8	9.8	9.8	9.8	9.8	8.8	7.8	6.8	5.9	5.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.8	5.9	4.9
115°	7.8	7.8	7.8	7.8	6.8	5.9	5.9	5.9	5.9	5.9	4.9
117.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	3.9	3.9
120°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	3.9	3.9
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
125°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9
127.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0
130°	2.0	2.0	2.9	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0	2.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	449.9	449.9	449.9	449.9	449.9	449.9	449.9	449.9
2.5°	432.3	453.8	475.4	467.5	459.7	453.8	448.0	446.0
5°	412.8	420.6	428.4	445.0	461.7	455.8	449.9	434.3
7.5°	399.1	411.8	424.5	438.2	451.9	453.8	455.8	446.0
10°	375.6	401.0	426.5	441.1	455.8	459.7	463.6	461.7
12.5°	395.2	403.0	410.8	438.2	465.6	469.5	473.4	461.7
15°	408.8	409.8	410.8	440.1	469.5	480.2	491.0	485.1
17.5°	412.8	425.5	438.2	455.8	473.4	487.1	500.8	500.8
20°	414.7	436.2	457.8	467.5	477.3	498.8	520.4	516.4
22.5°	432.3	450.9	469.5	479.3	489.1	514.5	539.9	539.9
25°	459.7	475.4	491.0	505.7	520.4	542.8	565.3	559.5
27.5°	504.7	515.5	526.2	539.9	553.6	572.2	590.8	575.1
30°	545.8	553.6	561.4	576.1	590.8	602.5	614.2	614.2
32.5°	588.8	600.6	612.3	623.1	633.8	647.5	661.2	645.5
35°	627.9	639.7	651.4	668.0	684.7	690.5	696.4	688.6
37.5°	663.2	678.8	694.5	713.0	731.6	730.6	729.7	719.9
40°	678.8	707.2	735.5	763.9	792.3	792.3	792.3	774.7
42.5°	716.0	754.1	792.3	826.5	860.7	870.5	880.3	864.6
45°	714.0	774.7	835.3	890.1	944.8	981.0	1017.2	974.2
47.5°	741.4	809.9	878.3	964.4	1050.5	1109.2	1167.9	1126.8
50°	747.3	836.3	925.3	1049.5	1173.7	1230.5	1287.2	1295.0
52.5°	755.1	880.3	1005.5	1157.1	1308.7	1376.2	1443.7	1447.6
55°	733.6	884.2	1034.8	1232.4	1430.0	1502.4	1574.7	1580.6
57.5°	682.7	867.6	1052.4	1279.4	1506.3	1610.9	1715.6	1698.0
60°	584.9	785.4	985.9	1241.2	1496.5	1623.6	1750.8	1791.9
62.5°	477.3	664.1	850.9	1134.6	1418.2	1580.6	1743.0	1799.7
65°	348.2	518.4	688.6	993.8	1298.9	1480.8	1662.8	1682.3
67.5°	232.8	365.8	498.8	823.6	1148.3	1328.3	1508.2	1549.3
70°	164.3	248.4	332.6	623.1	913.5	1050.5	1187.4	1240.2
72.5°	144.8	171.2	197.6	385.4	573.2	677.8	782.5	798.1
75°	119.3	114.4	109.5	201.5	293.4	360.9	428.4	438.2
77.5°	86.1	84.1	82.2	112.5	142.8	158.5	174.1	164.3
80°	46.9	64.6	82.2	83.1	84.1	65.5	46.9	43.0
82.5°	27.4	42.1	56.7	53.8	50.9	37.2	23.5	19.6
85°	15.6	18.6	21.5	18.6	15.6	12.7	9.8	7.8
87.5°	11.7	9.8	7.8	6.8	5.9	3.9	2.0	0.0
90°	9.8	8.8	7.8	5.9	3.9	2.9	2.0	0.0
92.5°	9.8	8.8	7.8	5.9	3.9	2.0	0.0	0.0
95°	9.8	7.8	5.9	4.9	3.9	2.0	0.0	0.0
97.5°	9.8	7.8	5.9	4.9	3.9	2.0	0.0	0.0
100°	7.8	6.8	5.9	4.9	3.9	2.0	0.0	0.0
102.5°	7.8	6.8	5.9	3.9	2.0	1.0	0.0	0.0
105°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
107.5°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
110°	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0
115°	3.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0
117.5°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
120°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
122.5°	3.9	2.9	2.0	2.0	2.0	1.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	1.0	0.0	0.0
132.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0
140°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)