

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: P394763

Luminaire Tested: **303-B2-LEDB4-2700-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394763  
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-LEDB4-2700-UNV-T2-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2 WITH EDGE GLOW  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2415.5 lumens  
Efficiency: N/A  
Efficacy: 78.9 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

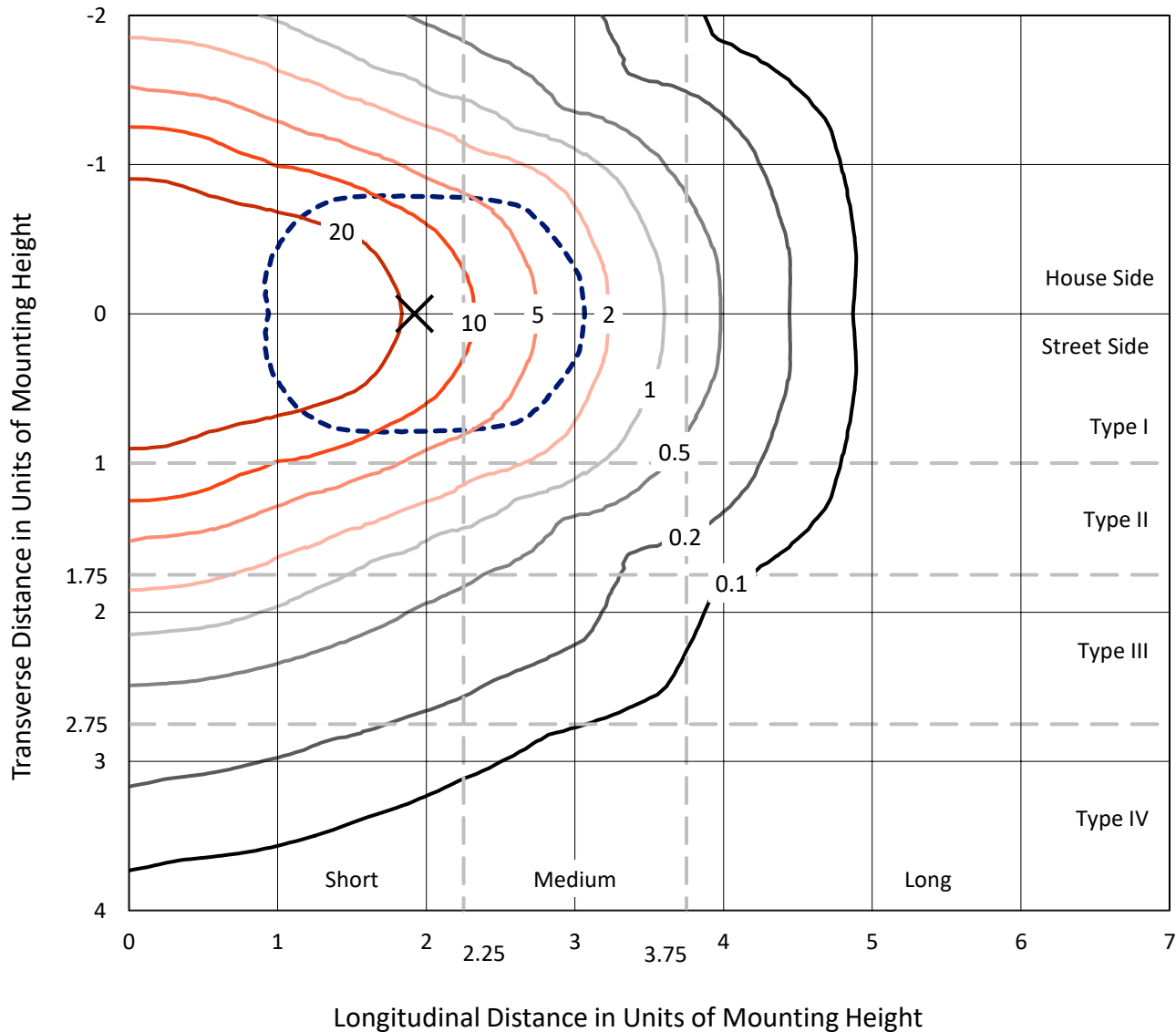
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

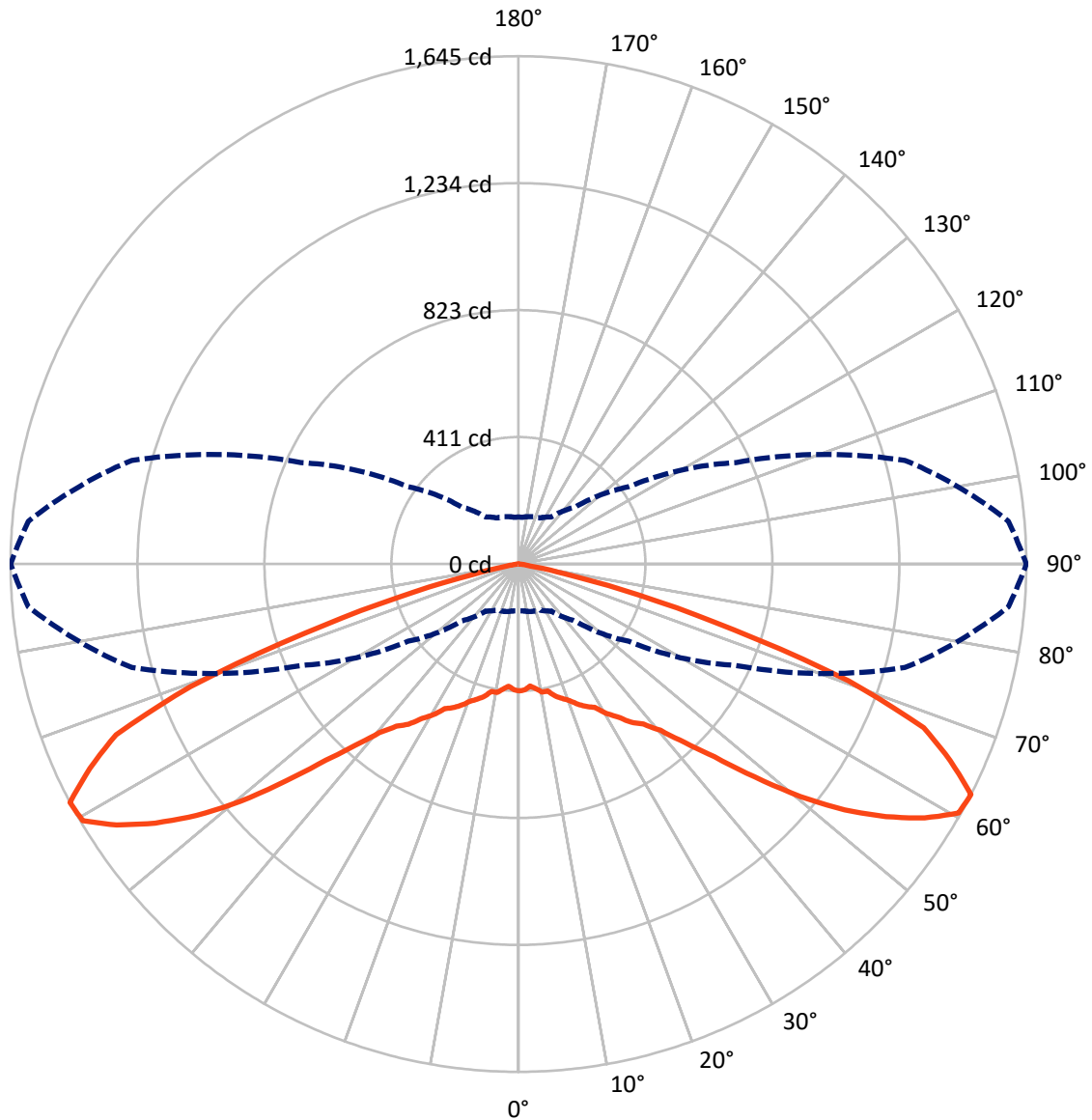
✕ Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 45.7 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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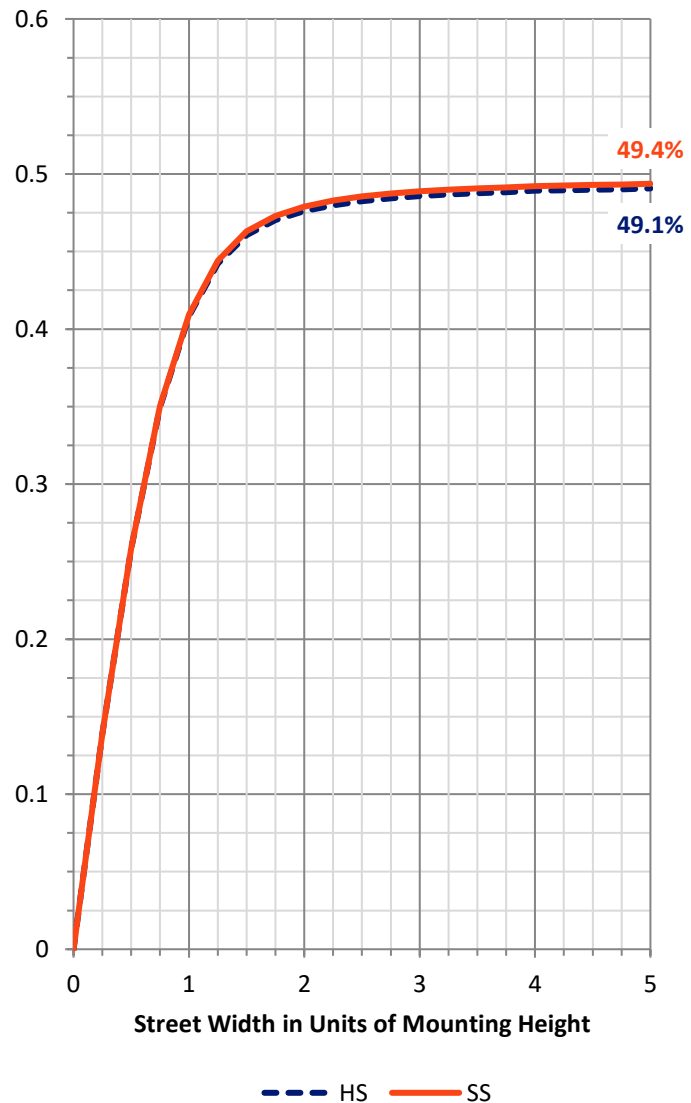
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1194.8	13.0	1207.8
	% Fixture	49.5	0.5	50.0
<b>Street Side</b>	Lumens	1194.8	13.0	1207.8
	% Fixture	49.5	0.5	50.0
<b>Total</b>	Lumens	2389.6	26.0	2415.5
	% Fixture	98.9	1.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.2	1.4
10°-20°	100.7	4.2
20°-30°	195.5	8.1
30°-40°	331.0	13.7
40°-50°	478.2	19.8
50°-60°	599.3	24.8
60°-70°	473.5	19.6
70°-80°	154.8	6.4
80°-90°	22.5	0.9
90°-100°	10.5	0.4
100°-110°	7.2	0.3
110°-120°	4.3	0.2
120°-130°	2.4	0.1
130°-140°	1.1	0.0
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2389.6	98.9
0°-180°	2415.5	100.0



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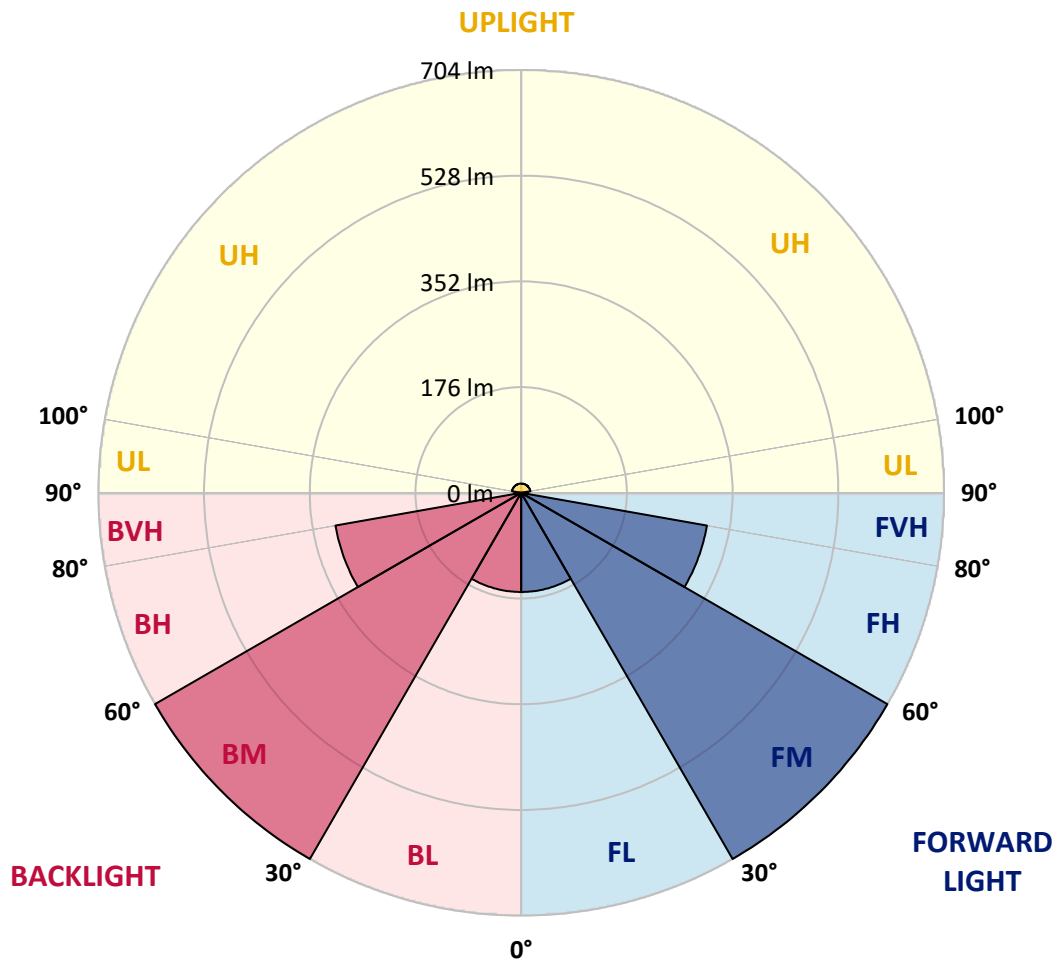
CATALOG NUMBER: 303-B2-LEDB4-2700-UNV-T2-DIM10-EDGE

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.2	6.8			
FM	(30°-60°)	704.2	29.2			
FH	(60°-80°)	314.2	13.0			G0/660
FVH	(80°-90°)	11.2	0.5			G1/100
BL	(0°-30°)	165.2	6.8	B1/500		
BM	(30°-60°)	704.2	29.2	B1/1000		
BH	(60°-80°)	314.2	13.0	B1/500		G1/500
BVH	(80°-90°)	11.2	0.5			G1/100
UL	(90°-100°)	10.5	0.4		U2/50	
UH	(100°-180°)	15.5	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°	411.3	411.3	411.3	411.3	411.3	411.3	411.3	411.3	411.3	411.3	411.3
2.5°	389.9	386.3	388.1	389.9	389.0	388.1	387.2	386.3	385.4	384.5	389.9
5°	307.6	313.0	315.6	318.3	321.0	323.7	327.3	330.8	339.8	348.7	363.0
7.5°	300.4	309.4	305.8	302.2	301.3	300.4	297.8	295.1	304.9	314.7	339.8
10°	305.8	309.4	310.3	311.2	309.4	307.6	308.5	309.4	314.7	320.1	331.7
12.5°	293.3	295.1	297.8	300.4	300.4	300.4	302.2	304.0	317.4	330.8	346.0
15°	296.9	300.4	297.8	295.1	297.8	300.4	299.5	298.6	312.1	325.5	349.6
17.5°	304.0	311.2	313.0	314.7	312.1	309.4	304.9	300.4	312.1	323.7	350.5
20°	332.6	332.6	333.5	334.4	332.6	330.8	329.1	327.3	332.6	338.0	358.6
22.5°	350.5	350.5	352.3	354.1	352.3	350.5	348.7	346.9	357.7	368.4	381.8
25°	372.0	372.0	373.8	375.5	376.4	377.3	372.0	366.6	378.2	389.9	405.1
27.5°	395.2	397.0	397.9	398.8	399.7	400.6	399.7	398.8	412.2	425.6	443.5
30°	416.7	414.9	421.1	427.4	426.5	425.6	425.6	425.6	438.1	450.7	474.8
32.5°	425.6	431.0	435.5	439.9	444.4	448.9	450.7	452.4	466.8	481.1	509.7
35°	439.9	434.6	445.3	456.0	459.6	463.2	461.4	459.6	482.0	504.3	539.2
37.5°	441.7	447.1	451.6	456.0	463.2	470.3	466.8	463.2	495.4	527.6	566.9
40°	443.5	445.3	451.6	457.8	462.3	466.8	475.7	484.6	503.4	522.2	571.4
42.5°	439.9	439.9	446.2	452.4	456.9	461.4	470.3	479.3	513.2	547.2	600.9
45°	431.0	436.4	437.2	438.1	443.5	448.9	459.6	470.3	510.6	550.8	601.8
47.5°	413.1	409.5	415.8	422.0	431.9	441.7	449.8	457.8	498.0	538.3	608.0
50°	388.1	391.6	395.2	398.8	407.7	416.7	422.0	427.4	472.1	516.8	600.0
52.5°	355.9	359.5	363.9	368.4	379.1	389.9	395.2	400.6	447.1	493.6	591.9
55°	318.3	296.9	307.6	318.3	330.8	343.4	355.0	366.6	407.7	448.9	559.7
57.5°	243.2	239.6	244.1	248.6	265.6	282.6	299.5	316.5	355.9	395.2	509.7
60°	198.5	187.8	191.4	194.9	205.7	216.4	232.5	248.6	291.5	334.4	434.6
62.5°	152.0	152.0	155.6	159.2	161.8	164.5	175.3	186.0	223.5	261.1	348.7
65°	119.8	118.0	120.7	123.4	127.0	130.5	135.9	141.3	160.1	178.8	248.6
67.5°	91.2	91.2	93.0	94.8	98.4	101.9	106.4	110.9	121.6	132.3	172.6
70°	73.3	71.5	72.4	73.3	77.8	82.3	90.3	98.4	106.4	114.5	132.3
72.5°	66.2	62.6	62.6	62.6	63.5	64.4	70.6	76.9	89.4	101.9	117.1
75°	51.9	48.3	49.2	50.1	51.0	51.9	55.4	59.0	65.3	71.5	90.3
77.5°	34.0	34.0	34.0	34.0	34.0	34.0	35.8	37.6	42.0	46.5	62.6
80°	26.8	26.8	26.8	26.8	26.8	26.8	25.9	25.0	27.7	30.4	36.7
82.5°	23.2	23.2	23.2	23.2	22.4	21.5	21.5	21.5	20.6	19.7	22.4
85°	19.7	19.7	19.7	19.7	19.7	19.7	18.8	17.9	17.0	16.1	15.2
87.5°	17.9	17.9	17.9	17.9	17.0	16.1	16.1	16.1	14.3	12.5	11.6
90°	17.9	16.1	16.1	16.1	16.1	16.1	15.2	14.3	13.4	12.5	10.7
92.5°	16.1	16.1	16.1	16.1	15.2	14.3	14.3	14.3	12.5	10.7	9.8
95°	16.1	16.1	15.2	14.3	14.3	14.3	13.4	12.5	11.6	10.7	9.8
97.5°	14.3	14.3	14.3	14.3	14.3	14.3	13.4	12.5	11.6	10.7	9.8
100°	12.5	12.5	12.5	12.5	12.5	12.5	11.6	10.7	9.8	8.9	8.0
102.5°	12.5	12.5	12.5	12.5	11.6	10.7	10.7	10.7	9.8	8.9	8.0
105°	10.7	10.7	10.7	10.7	10.7	10.7	9.8	8.9	8.0	7.2	6.3
107.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.0	7.2	6.3
110°	8.9	8.9	8.9	8.9	8.9	8.9	8.0	7.2	6.3	5.4	5.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.3	5.4	4.5
115°	7.2	7.2	7.2	7.2	6.3	5.4	5.4	5.4	5.4	5.4	4.5
117.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	3.6	3.6
120°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	3.6	3.6
122.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
125°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.7
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8
130°	1.8	1.8	2.7	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	0.9	1.8	1.8	1.8	1.8	1.8	0.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	1.8	0.9
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°	411.3	411.3	411.3	411.3	411.3	411.3	411.3	411.3
2.5°	395.2	414.9	434.6	427.4	420.3	414.9	409.5	407.7
5°	377.3	384.5	391.6	406.8	422.0	416.7	411.3	397.0
7.5°	364.8	376.4	388.1	400.6	413.1	414.9	416.7	407.7
10°	343.4	366.6	389.9	403.3	416.7	420.3	423.8	422.0
12.5°	361.2	368.4	375.5	400.6	425.6	429.2	432.8	422.0
15°	373.8	374.7	375.5	402.4	429.2	439.0	448.9	443.5
17.5°	377.3	389.0	400.6	416.7	432.8	445.3	457.8	457.8
20°	379.1	398.8	418.5	427.4	436.4	456.0	475.7	472.1
22.5°	395.2	412.2	429.2	438.1	447.1	470.3	493.6	493.6
25°	420.3	434.6	448.9	462.3	475.7	496.3	516.8	511.5
27.5°	461.4	471.2	481.1	493.6	506.1	523.1	540.1	525.8
30°	498.9	506.1	513.2	526.7	540.1	550.8	561.5	561.5
32.5°	538.3	549.0	559.7	569.6	579.4	591.9	604.5	590.1
35°	574.1	584.8	595.5	610.7	625.9	631.3	636.6	629.5
37.5°	606.2	620.5	634.9	651.8	668.8	667.9	667.0	658.1
40°	620.5	646.5	672.4	698.3	724.3	724.3	724.3	708.2
42.5°	654.5	689.4	724.3	755.6	786.9	795.8	804.7	790.4
45°	652.7	708.2	763.6	813.7	863.8	896.8	929.9	890.6
47.5°	677.8	740.4	803.0	881.6	960.3	1014.0	1067.6	1030.1
50°	683.1	764.5	845.9	959.4	1073.0	1124.9	1176.7	1183.9
52.5°	690.3	804.7	919.2	1057.8	1196.4	1258.1	1319.8	1323.4
55°	670.6	808.3	946.0	1126.6	1307.3	1373.4	1439.6	1445.0
57.5°	624.1	793.1	962.1	1169.6	1377.0	1472.7	1568.4	1552.3
60°	534.7	718.0	901.3	1134.7	1368.1	1484.3	1600.5	1638.1
62.5°	436.4	607.1	777.9	1037.2	1296.5	1445.0	1593.4	1645.3
65°	318.3	473.9	629.5	908.5	1187.4	1353.8	1520.1	1538.0
67.5°	212.8	334.4	456.0	752.9	1049.7	1214.3	1378.8	1416.4
70°	150.2	227.1	304.0	569.6	835.1	960.3	1085.5	1133.8
72.5°	132.3	156.5	180.6	352.3	524.0	619.7	715.3	729.6
75°	109.1	104.6	100.1	184.2	268.2	329.9	391.6	400.6
77.5°	78.7	76.9	75.1	102.8	130.5	144.9	159.2	150.2
80°	42.9	59.0	75.1	76.0	76.9	59.9	42.9	39.3
82.5°	25.0	38.4	51.9	49.2	46.5	34.0	21.5	17.9
85°	14.3	17.0	19.7	17.0	14.3	11.6	8.9	7.2
87.5°	10.7	8.9	7.2	6.3	5.4	3.6	1.8	0.0
90°	8.9	8.0	7.2	5.4	3.6	2.7	1.8	0.0
92.5°	8.9	8.0	7.2	5.4	3.6	1.8	0.0	0.0
95°	8.9	7.2	5.4	4.5	3.6	1.8	0.0	0.0
97.5°	8.9	7.2	5.4	4.5	3.6	1.8	0.0	0.0
100°	7.2	6.3	5.4	4.5	3.6	1.8	0.0	0.0
102.5°	7.2	6.3	5.4	3.6	1.8	0.9	0.0	0.0
105°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
107.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
110°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.0
115°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.0
117.5°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
120°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
122.5°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
132.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
140°	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	0.9	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)