

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: P394811

Luminaire Tested: **303-P1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394811  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-P1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
PATHWAY, TYPE 5 WITH EDGE GLOW  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 199.5 lumens  
Efficiency: N/A  
Efficacy: 30.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')  
IES Classification: Type I - Short  
BUG Rating: B0 - U1 - G0

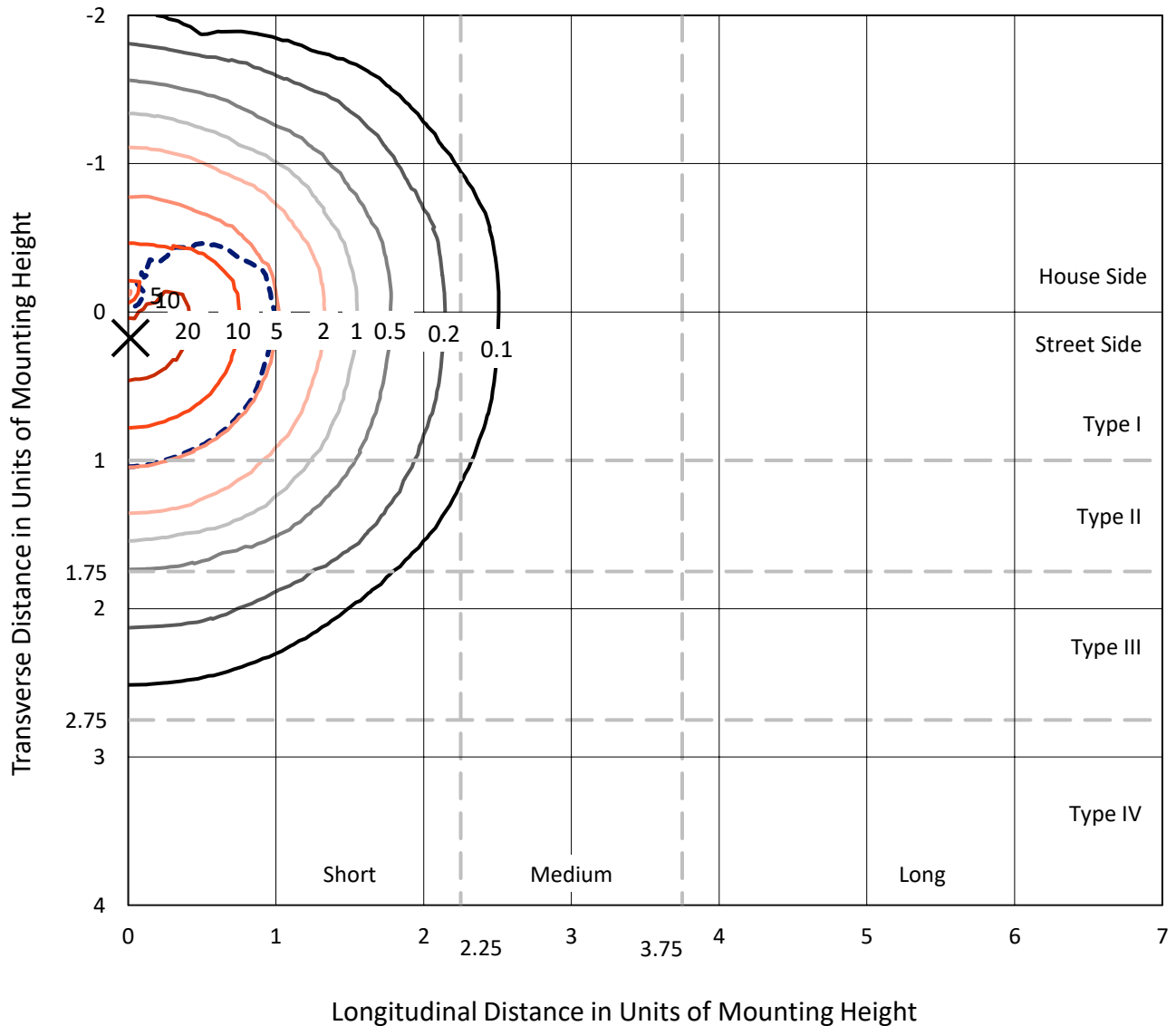
Input Watts (W): 6.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

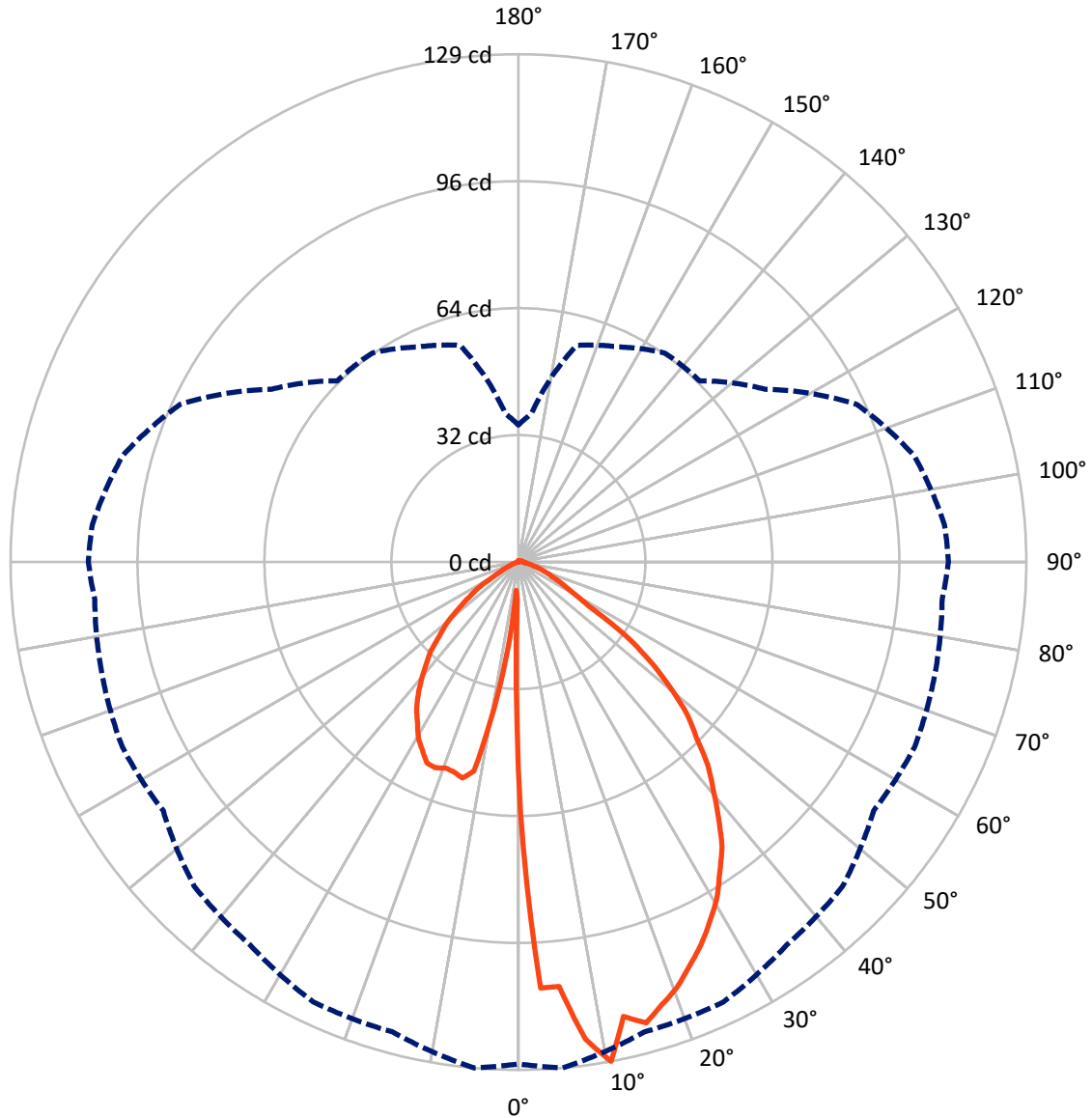
× Max cd  
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 28.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral      - - - Horizontal Cone Through 10-Deg Vertical

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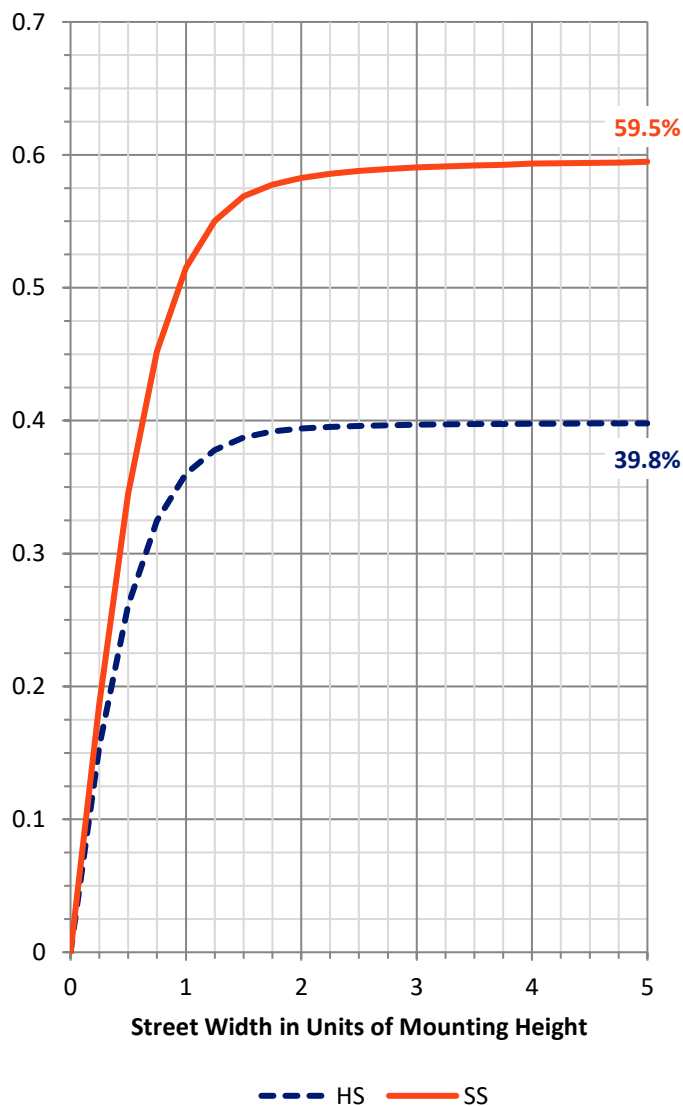
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	79.9	0.0	79.9
	% Fixture	40.1	0.0	40.1
<b>Street Side</b>	Lumens	118.6	0.9	119.6
	% Fixture	59.5	0.5	59.9
<b>Total</b>	Lumens	198.5	1.0	199.5
	% Fixture	99.5	0.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	3.9
10°-20°	27.2	13.6
20°-30°	40.7	20.4
30°-40°	45.6	22.9
40°-50°	39.7	19.9
50°-60°	24.4	12.2
60°-70°	9.4	4.7
70°-80°	3.2	1.6
80°-90°	0.7	0.4
90°-100°	0.4	0.2
100°-110°	0.3	0.1
110°-120°	0.2	0.1
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	198.5	99.5
0°-180°	199.5	100.0

**Coefficient of Utilization**



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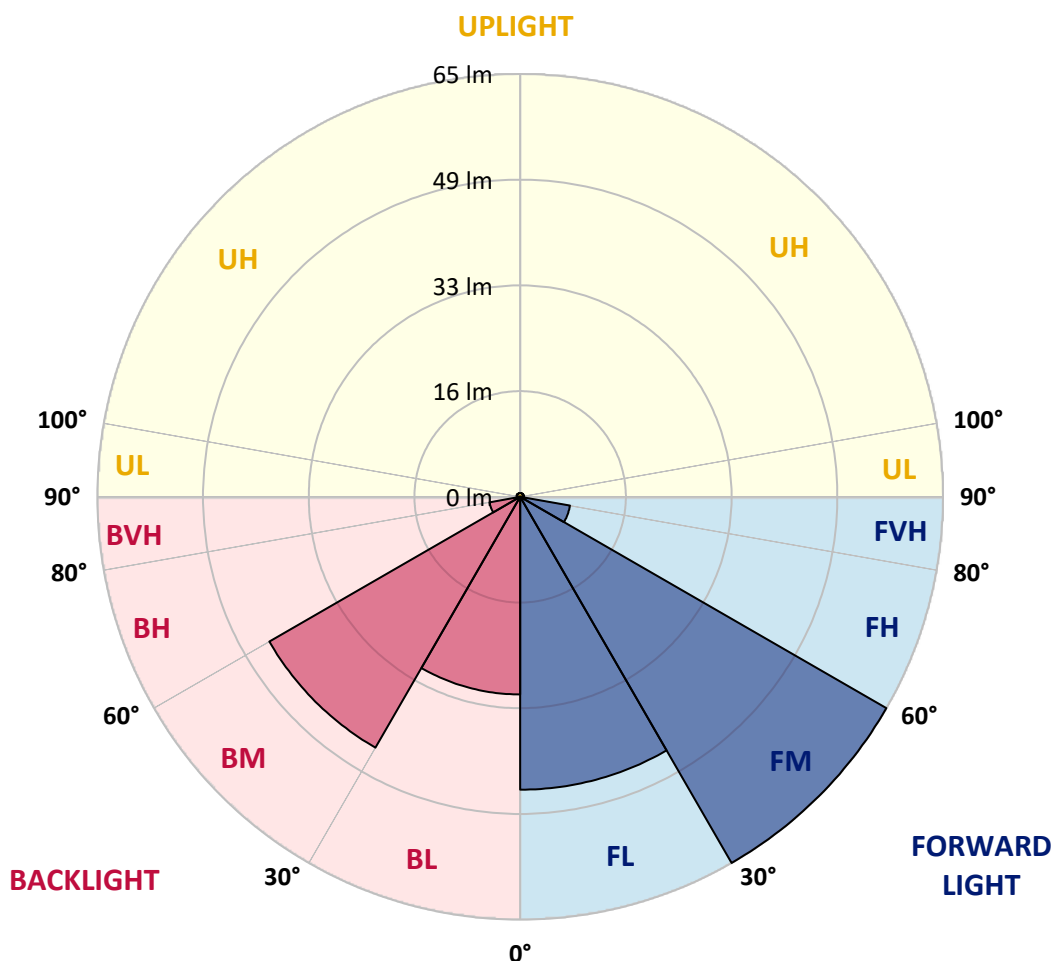
CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	45.1	22.6			
FM	(30°-60°)	65.1	32.6			
FH	(60°-80°)	7.8	3.9			G0/660
FVH	(80°-90°)	0.6	0.3			G0/10
BL	(0°-30°)	30.4	15.3	B0/110		
BM	(30°-60°)	44.6	22.4	B0/220		
BH	(60°-80°)	4.8	2.4	B0/110		G0/110
BVH	(80°-90°)	0.1	0.0			G0/10
UL	(90°-100°)	0.4	0.2		U1/10	
UH	(100°-180°)	0.6	0.3		U1/10	

**BUG Rating: B0-U1-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
2.5°	108.9	108.0	108.3	109.5	104.1	98.4	87.3	79.3	73.9	70.3	69.7
5°	108.6	108.0	109.2	108.6	107.1	108.6	104.1	107.7	93.3	84.6	85.8
7.5°	119.0	122.0	121.1	114.9	110.7	110.4	108.0	109.5	107.1	100.8	97.2
10°	127.1	128.6	123.2	122.9	118.4	116.1	109.8	110.7	109.2	107.7	108.9
12.5°	119.0	118.1	117.8	117.8	116.7	120.2	116.4	110.7	109.5	108.6	108.6
15°	121.7	121.1	118.1	118.4	114.3	116.4	114.9	111.9	108.0	107.4	106.8
17.5°	116.7	117.8	116.1	117.0	113.1	115.5	113.4	110.1	105.6	104.1	106.2
20°	114.0	114.9	113.4	114.0	111.9	112.2	110.7	108.3	104.4	103.5	103.2
22.5°	110.7	111.0	109.8	110.7	108.9	109.5	108.0	105.9	102.0	101.1	102.0
25°	106.8	107.4	105.9	107.1	105.0	104.4	103.2	102.3	100.5	97.5	97.8
27.5°	102.3	103.2	102.6	103.2	102.3	102.3	101.1	98.4	96.0	94.5	95.7
30°	98.4	99.0	98.1	97.8	97.8	98.7	96.9	94.2	92.1	91.2	92.4
32.5°	93.9	93.6	93.6	93.9	93.9	91.2	92.4	90.9	87.0	86.7	89.1
35°	87.9	88.8	86.4	88.2	87.9	88.5	87.3	85.8	83.5	82.3	83.5
37.5°	82.3	82.3	83.2	81.1	81.7	82.6	81.7	79.6	78.1	77.2	77.2
40°	76.6	76.0	76.0	74.2	77.2	75.7	74.5	73.6	72.7	72.1	71.5
42.5°	70.0	70.3	70.0	67.9	69.1	68.2	68.2	66.1	66.1	65.5	65.8
45°	63.4	63.1	62.8	62.8	62.2	62.2	61.9	60.4	59.2	58.6	59.5
47.5°	57.1	57.4	55.3	55.0	55.6	55.3	55.3	52.3	51.7	52.6	52.3
50°	49.4	49.7	48.8	47.9	48.8	47.9	48.5	46.1	45.2	44.9	45.8
52.5°	41.9	41.9	42.8	41.0	41.0	40.1	41.9	38.9	38.3	38.0	38.3
55°	33.2	33.2	33.5	33.5	34.7	33.5	34.1	32.0	31.1	30.5	29.9
57.5°	21.8	20.9	23.0	26.9	27.8	27.2	26.9	25.4	24.2	23.9	23.9
60°	15.9	15.9	15.9	17.0	21.2	20.3	20.9	19.7	18.5	18.2	17.9
62.5°	12.9	12.9	12.9	12.6	14.4	16.2	16.2	15.0	13.8	13.2	13.5
65°	10.2	10.2	10.5	10.2	10.5	12.0	11.7	11.1	10.8	10.5	10.5
67.5°	8.4	8.4	8.4	8.4	8.1	8.4	9.0	8.7	8.7	8.4	8.4
70°	6.9	6.9	6.9	6.6	6.6	6.3	6.6	6.9	6.9	6.6	6.6
72.5°	5.7	5.4	5.4	5.1	4.8	4.8	4.8	5.4	5.1	5.1	5.1
75°	4.2	4.2	4.2	3.9	3.6	3.6	3.3	3.6	3.9	3.6	3.6
77.5°	3.3	3.3	3.3	3.0	3.0	2.7	2.4	2.4	2.4	2.4	2.4
80°	2.7	2.4	2.4	2.4	2.1	2.1	1.8	1.5	1.5	1.5	1.2
82.5°	1.8	1.8	1.8	1.8	1.5	1.5	1.2	0.9	0.9	0.6	0.6
85°	1.8	1.5	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.3	0.3
87.5°	1.5	1.5	1.5	1.2	1.2	0.9	0.9	0.6	0.3	0.0	0.0
90°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.3	0.3	0.0	0.0
92.5°	1.2	1.2	1.2	1.2	0.9	0.9	0.6	0.3	0.3	0.0	0.0
95°	1.2	1.2	1.2	1.2	0.9	0.9	0.6	0.3	0.3	0.0	0.0
97.5°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.3	0.0	0.0
100°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.3	0.0	0.0
102.5°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.3	0.0	0.0	0.0
105°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.0
107.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0
110°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
115°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0	0.0
117.5°	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
120°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
122.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
125°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
127.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
130°	0.3	0.3	0.3	0.3	0.0	0.3	0.0	0.0	0.0	0.0	0.0
132.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	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	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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
2.5°	69.4	65.5	50.0	40.4	29.9	25.4	16.2	15.0	9.3	2.7
5°	80.8	70.6	62.2	47.6	35.6	30.2	21.5	9.9	7.2	1.5
7.5°	94.5	93.6	77.5	68.8	53.5	46.7	37.4	28.7	22.1	17.0
10°	108.3	103.8	94.5	76.3	64.9	64.6	60.1	56.8	37.7	34.7
12.5°	107.4	108.3	94.5	86.4	78.1	68.2	62.5	57.7	54.1	52.3
15°	106.8	107.4	93.3	86.1	76.6	65.8	61.6	57.4	56.5	58.6
17.5°	105.0	105.6	91.5	86.7	75.4	64.9	60.1	57.7	55.6	57.4
20°	102.6	105.3	90.3	85.2	74.2	62.2	59.5	57.7	55.3	56.5
22.5°	101.1	102.0	87.3	82.9	72.1	61.9	58.3	55.6	56.2	55.3
25°	97.8	98.1	85.2	80.8	70.3	59.2	56.8	53.8	55.9	53.8
27.5°	94.2	96.6	81.7	76.6	67.9	57.1	54.4	52.0	53.5	51.7
30°	90.3	90.3	78.7	73.3	64.3	53.5	52.0	50.0	51.4	48.8
32.5°	86.4	86.1	74.5	69.4	60.7	50.2	49.1	47.3	48.2	47.0
35°	82.3	81.7	70.6	65.5	57.1	48.5	46.7	44.3	45.5	44.3
37.5°	76.3	77.2	66.1	60.7	53.2	44.6	43.4	42.2	42.2	40.4
40°	71.5	70.0	60.4	55.6	49.1	41.3	40.4	38.0	38.6	37.4
42.5°	64.3	65.2	55.6	50.2	44.3	37.4	36.5	34.7	35.0	34.4
45°	58.3	56.8	48.8	45.2	40.7	33.2	32.3	30.5	31.7	30.8
47.5°	51.7	50.5	43.4	39.8	35.6	29.3	28.7	27.2	27.2	27.2
50°	44.9	44.6	37.7	34.1	30.5	24.8	24.2	23.0	23.9	23.3
52.5°	37.7	37.1	32.0	29.6	25.4	20.9	19.7	19.1	19.4	19.4
55°	30.2	29.9	25.7	24.2	20.9	16.7	15.9	15.3	15.3	15.9
57.5°	23.9	23.0	20.3	18.8	16.2	13.2	12.9	12.0	12.3	12.6
60°	18.5	18.2	15.9	14.1	12.6	10.2	9.3	8.1	7.8	8.1
62.5°	13.5	13.8	12.3	11.1	9.9	7.5	6.3	4.2	5.1	5.4
65°	10.5	10.5	9.0	8.7	7.5	5.4	4.2	3.0	3.9	4.2
67.5°	8.4	8.4	7.2	6.3	5.4	3.6	3.3	2.1	2.4	3.0
70°	6.9	6.6	5.7	4.8	3.9	2.7	2.4	1.5	1.8	2.1
72.5°	5.1	5.1	3.9	3.3	2.7	2.1	1.8	0.9	1.2	1.2
75°	3.6	3.9	2.7	2.1	1.8	1.5	1.2	0.6	0.6	0.9
77.5°	2.4	2.4	1.5	1.5	1.2	0.9	0.6	0.3	0.3	0.3
80°	1.5	1.2	0.9	0.9	0.6	0.3	0.3	0.0	0.0	0.3
82.5°	0.6	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	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	0.0	0.0
147.5°	0.0	0.0	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	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
155°	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
160°	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
165°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.0	0.0	0.0	0.0	0.3	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)