

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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

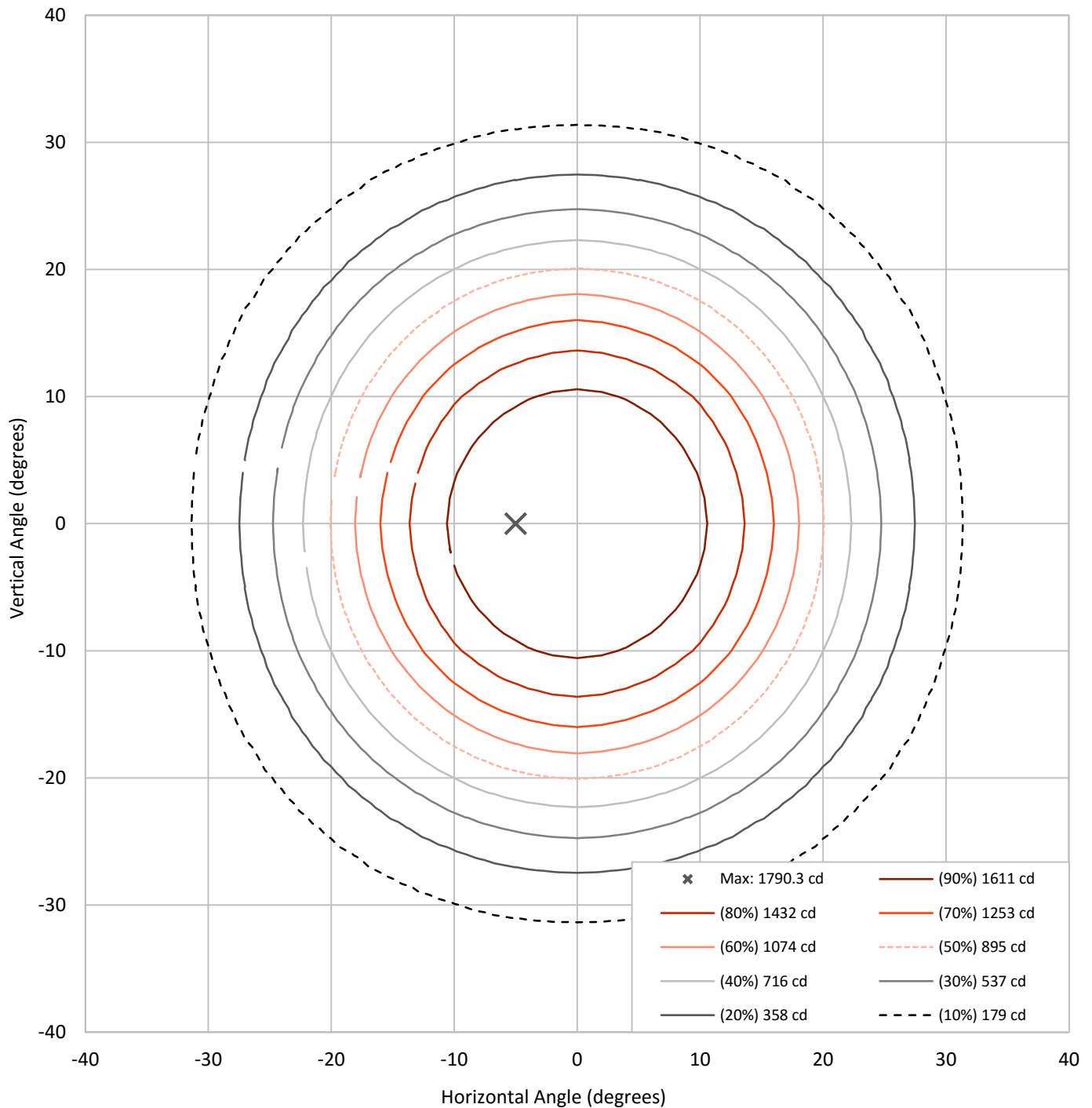
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	865.9 lumens	Max Intensity:	1790.3 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	86.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.2°H x 39°V	Field Angle (10%):	62.7°H x 62.1°V
Beam Lumens:	534.4 lumens	Field Lumens:	773.1 lumens
Beam Efficiency:	61.7%	Field Efficiency:	89.3%

Input Watts (W): 10  
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: 25 FT



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

### Iso-Candela Plot





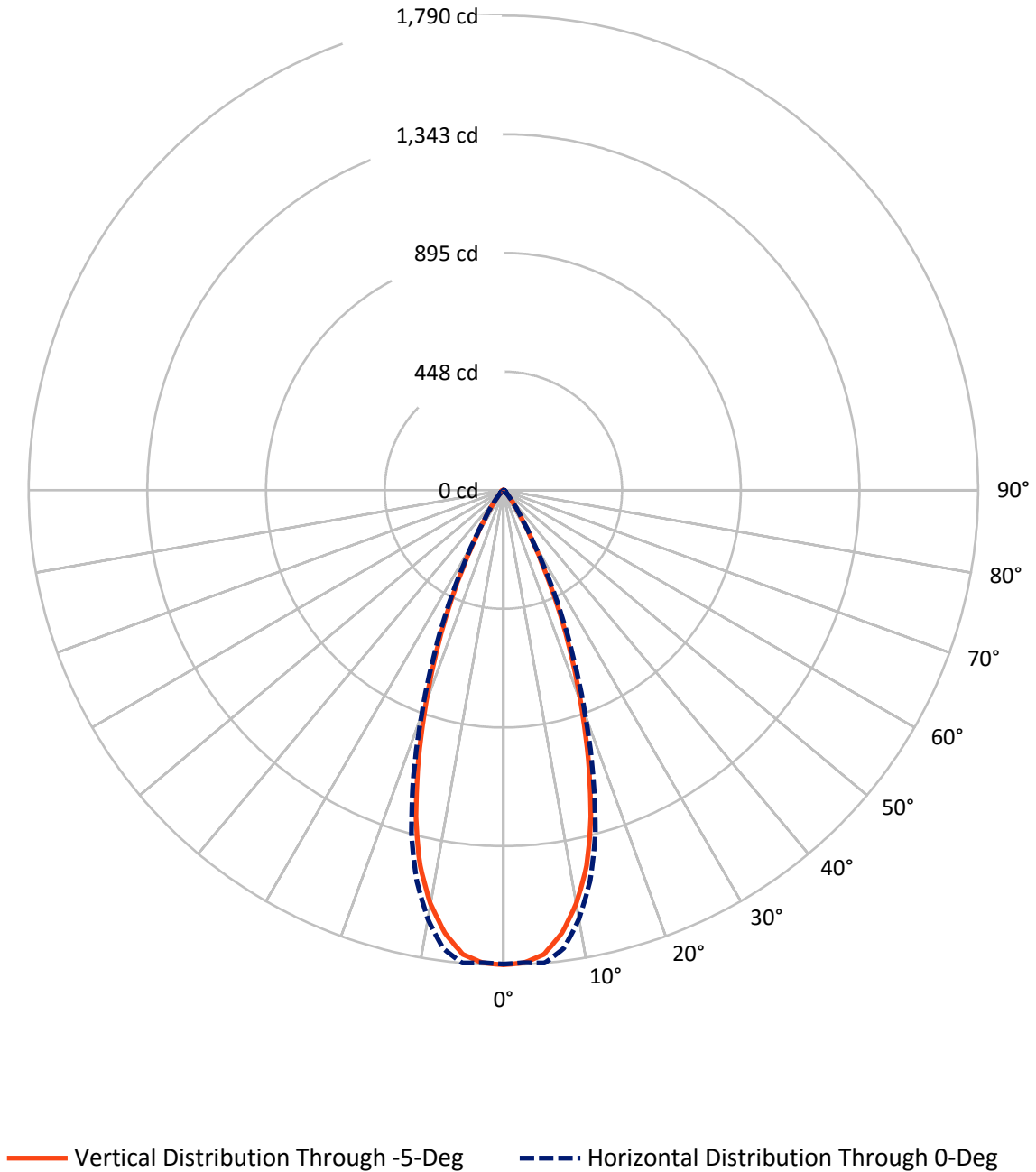
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### Lumen Table

90																
80	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0
70																
60	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0
50		0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	
40	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1
30		0.1	0.1	0.2	0.4	0.9	2.0	3.0	3.0	2.0	0.9	0.4	0.2	0.1	0.1	
20	0.1	0.1	0.2	0.3	0.8	3.0	8.7	14.9	14.9	8.7	3.0	0.8	0.3	0.2	0.1	0.1
10		0.1	0.2	0.4	1.7	8.2	23.8	37.3	37.3	23.8	8.2	1.7	0.4	0.2	0.1	
0	0.1	0.1	0.2	0.5	2.5	13.6	36.2	51.6	51.6	36.2	13.6	2.5	0.5	0.2	0.1	0.1
-10		0.1	0.2	0.5	2.5	13.6	36.2	51.6	51.6	36.2	13.6	2.5	0.5	0.2	0.1	
-20	0.1	0.1	0.2	0.4	1.7	8.2	23.8	37.3	37.3	23.8	8.2	1.7	0.4	0.2	0.1	0.1
-30		0.1	0.2	0.3	0.8	3.0	8.7	14.9	14.9	8.7	3.0	0.8	0.3	0.2	0.1	
-40	0.1	0.1	0.1	0.2	0.4	0.9	2.0	3.0	3.0	2.0	0.9	0.4	0.2	0.1	0.1	0.1
-50		0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	
-60	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0
-70		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
-80																
-90	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0

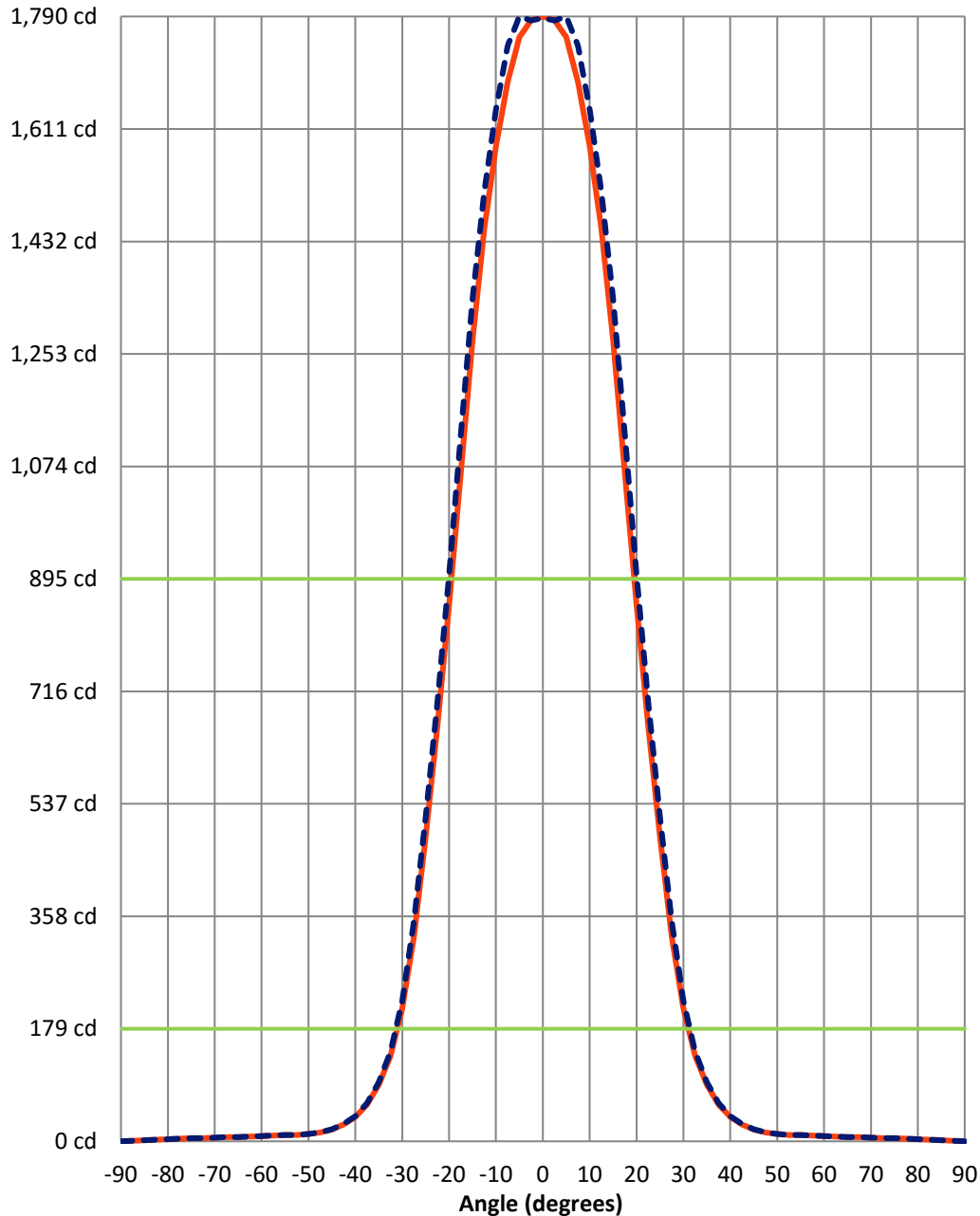
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 40.2°  
 V Angle: 39°  
 Lumens: 534.4  
 Efficiency: 61.7%

**Field:**  
 H Angle: 62.7°  
 V Angle: 62.1°  
 Lumens: 773.1  
 Efficiency: 89.3%

**Spill:**  
 Lumens: 92.9  
 Efficiency: 10.7%

- Vertical Distribution through -5-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.4
70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8
67.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
65°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.4
62.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.0	3.4	3.8
60°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
57.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	4.0	4.4
55°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.7
52.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
50°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.3	4.8	5.0
47.5°	0.0	0.5	1.1	1.7	2.3	2.8	3.3	3.9	4.5	5.0	5.0
45°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.7	5.0	5.0
42.5°	0.0	0.6	1.2	1.9	2.5	3.0	3.7	4.3	4.9	5.0	5.2
40°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.5	5.0	5.0	5.4
37.5°	0.0	0.6	1.3	2.0	2.6	3.3	4.0	4.6	5.0	5.1	5.7
35°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.8	5.0	5.2	5.9
32.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.0	5.4	6.1
30°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.0	5.6	6.3
27.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.0	5.1	5.7	6.5
25°	0.0	0.7	1.5	2.3	3.0	3.8	4.5	5.0	5.2	5.9	6.7
22.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.0	5.3	6.1	6.7
20°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.0	5.4	6.2	6.7
17.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.0	5.5	6.3	6.7
15°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.0	5.6	6.4	6.7
12.5°	0.0	0.8	1.7	2.4	3.2	4.1	4.9	5.0	5.6	6.5	6.7
10°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.0	5.7	6.6	6.7
7.5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.7	6.6	6.7
5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.8	6.7	6.7
2.5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.8	6.7	6.7
0°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.8	6.7	6.7
-2.5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.8	6.7	6.7
-5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.8	6.7	6.7
-7.5°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.0	5.7	6.6	6.7
-10°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.0	5.7	6.6	6.7
-12.5°	0.0	0.8	1.7	2.4	3.2	4.1	4.9	5.0	5.6	6.5	6.7
-15°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.0	5.6	6.4	6.7
-17.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.0	5.5	6.3	6.7
-20°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.0	5.4	6.2	6.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	0.7	1.6	2.3	3.1	3.9	4.6	5.0	5.3	6.1	6.7
-25°	0.0	0.7	1.5	2.3	3.0	3.8	4.5	5.0	5.2	5.9	6.7
-27.5°	0.0	0.7	1.5	2.2	2.9	3.7	4.4	5.0	5.1	5.7	6.5
-30°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.0	5.0	5.6	6.3
-32.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.0	5.4	6.1
-35°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.8	5.0	5.2	5.9
-37.5°	0.0	0.6	1.3	2.0	2.6	3.3	4.0	4.6	5.0	5.1	5.7
-40°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.5	5.0	5.0	5.4
-42.5°	0.0	0.6	1.2	1.9	2.5	3.0	3.7	4.3	4.9	5.0	5.2
-45°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.7	5.0	5.0
-47.5°	0.0	0.5	1.1	1.7	2.3	2.8	3.3	3.9	4.5	5.0	5.0
-50°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.3	4.8	5.0
-52.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-55°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.7
-57.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.5	4.0	4.4
-60°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-62.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.0	3.4	3.8
-65°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.4
-67.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8
-72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.4
-75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	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):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3
82.5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
80°	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.5	2.6
77.5°	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.3
75°	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0
72.5°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.6
70°	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.0	5.0
67.5°	3.4	3.7	4.0	4.3	4.5	4.8	5.0	5.0	5.0	5.0	5.1
65°	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.2	5.4	5.7
62.5°	4.1	4.5	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.1	6.3
60°	4.5	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.4	6.7	6.7
57.5°	4.8	5.0	5.0	5.1	5.5	5.9	6.3	6.6	6.7	6.7	6.8
55°	5.0	5.0	5.1	5.5	6.0	6.4	6.7	6.7	6.7	7.0	7.4
52.5°	5.0	5.1	5.5	6.0	6.4	6.7	6.7	6.9	7.2	7.6	7.9
50°	5.0	5.4	5.9	6.4	6.7	6.7	6.9	7.4	7.8	8.1	8.5
47.5°	5.2	5.7	6.3	6.7	6.7	6.9	7.4	7.8	8.3	8.7	9.2
45°	5.5	6.1	6.6	6.7	6.9	7.4	7.8	8.3	8.8	9.3	9.7
42.5°	5.8	6.4	6.7	6.7	7.2	7.8	8.3	8.8	9.3	9.8	10.0
40°	6.1	6.7	6.7	7.0	7.6	8.1	8.7	9.3	9.8	10.0	10.0
37.5°	6.3	6.7	6.8	7.4	7.9	8.5	9.2	9.7	10.0	10.0	11.0
35°	6.6	6.7	7.1	7.7	8.3	8.9	9.6	10.0	10.0	10.9	12.2
32.5°	6.7	6.7	7.3	8.0	8.6	9.3	9.9	10.0	10.6	11.9	13.7
30°	6.7	6.9	7.6	8.2	9.0	9.6	10.0	10.2	11.5	13.3	16.0
27.5°	6.7	7.1	7.8	8.5	9.3	9.9	10.0	10.9	12.5	14.8	18.7
25°	6.7	7.3	8.0	8.8	9.5	10.0	10.2	11.6	13.6	17.1	22.4
22.5°	6.8	7.5	8.2	9.0	9.8	10.0	10.8	12.5	15.1	19.4	26.3
20°	6.9	7.7	8.4	9.2	10.0	10.0	11.3	13.3	16.9	22.7	31.0
17.5°	7.1	7.8	8.6	9.4	10.0	10.2	11.8	14.1	18.6	25.6	35.8
15°	7.2	7.9	8.8	9.6	10.0	10.6	12.4	15.4	20.6	28.6	40.2
12.5°	7.3	8.1	8.9	9.7	10.0	10.9	13.0	16.5	22.6	32.0	46.4
10°	7.4	8.1	9.0	9.8	10.0	11.2	13.4	17.5	24.4	34.9	51.5
7.5°	7.4	8.2	9.1	9.9	10.0	11.4	13.8	18.2	25.7	37.1	55.5
5°	7.5	8.3	9.2	10.0	10.0	11.6	14.0	18.8	26.7	38.7	58.4
2.5°	7.5	8.3	9.2	10.0	10.0	11.7	14.2	19.1	27.3	39.7	60.2
0°	7.5	8.3	9.2	10.0	10.0	11.7	14.2	19.2	27.5	40.0	60.8
-2.5°	7.5	8.3	9.2	10.0	10.0	11.7	14.2	19.1	27.3	39.7	60.2
-5°	7.5	8.3	9.2	10.0	10.0	11.6	14.0	18.8	26.7	38.7	58.4
-7.5°	7.4	8.2	9.1	9.9	10.0	11.4	13.8	18.2	25.7	37.1	55.5
-10°	7.4	8.1	9.0	9.8	10.0	11.2	13.4	17.5	24.4	34.9	51.5
-12.5°	7.3	8.1	8.9	9.7	10.0	10.9	13.0	16.5	22.6	32.0	46.4
-15°	7.2	7.9	8.8	9.6	10.0	10.6	12.4	15.4	20.6	28.6	40.2
-17.5°	7.1	7.8	8.6	9.4	10.0	10.2	11.8	14.1	18.6	25.6	35.8
-20°	6.9	7.7	8.4	9.2	10.0	10.0	11.3	13.3	16.9	22.7	31.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	6.8	7.5	8.2	9.0	9.8	10.0	10.8	12.5	15.1	19.4	26.3
-25°	6.7	7.3	8.0	8.8	9.5	10.0	10.2	11.6	13.6	17.1	22.4
-27.5°	6.7	7.1	7.8	8.5	9.3	9.9	10.0	10.9	12.5	14.8	18.7
-30°	6.7	6.9	7.6	8.2	9.0	9.6	10.0	10.2	11.5	13.3	16.0
-32.5°	6.7	6.7	7.3	8.0	8.6	9.3	9.9	10.0	10.6	11.9	13.7
-35°	6.6	6.7	7.1	7.7	8.3	8.9	9.6	10.0	10.0	10.9	12.2
-37.5°	6.3	6.7	6.8	7.4	7.9	8.5	9.2	9.7	10.0	10.0	11.0
-40°	6.1	6.7	6.7	7.0	7.6	8.1	8.7	9.3	9.8	10.0	10.0
-42.5°	5.8	6.4	6.7	6.7	7.2	7.8	8.3	8.8	9.3	9.8	10.0
-45°	5.5	6.1	6.6	6.7	6.9	7.4	7.8	8.3	8.8	9.3	9.7
-47.5°	5.2	5.7	6.3	6.7	6.7	6.9	7.4	7.8	8.3	8.7	9.2
-50°	5.0	5.4	5.9	6.4	6.7	6.7	6.9	7.4	7.8	8.1	8.5
-52.5°	5.0	5.1	5.5	6.0	6.4	6.7	6.7	6.9	7.2	7.6	7.9
-55°	5.0	5.0	5.1	5.5	6.0	6.4	6.7	6.7	6.7	7.0	7.4
-57.5°	4.8	5.0	5.0	5.1	5.5	5.9	6.3	6.6	6.7	6.7	6.8
-60°	4.5	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.4	6.7	6.7
-62.5°	4.1	4.5	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.1	6.3
-65°	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.2	5.4	5.7
-67.5°	3.4	3.7	4.0	4.3	4.5	4.8	5.0	5.0	5.0	5.0	5.1
-70°	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9	5.0	5.0
-72.5°	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.6
-75°	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.0
-77.5°	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.3
-80°	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.5	2.6
-82.5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
-85°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-90°	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):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7
82.5°	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5
80°	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.3
77.5°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1
75°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	4.9
72.5°	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7
67.5°	5.2	5.4	5.6	5.7	5.9	6.1	6.2	6.3	6.4	6.5	6.6
65°	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
62.5°	6.6	6.7	6.7	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4
60°	6.7	6.7	6.9	7.1	7.3	7.5	7.7	7.8	7.9	8.1	8.1
57.5°	7.1	7.3	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.0
55°	7.7	8.0	8.2	8.5	8.8	9.0	9.2	9.4	9.6	9.7	9.8
52.5°	8.3	8.6	9.0	9.3	9.5	9.8	10.0	10.0	10.0	10.0	10.0
50°	8.9	9.3	9.6	9.9	10.0	10.0	10.0	10.2	10.6	10.9	11.2
47.5°	9.6	9.9	10.0	10.0	10.2	10.8	11.3	11.8	12.4	13.0	13.4
45°	10.0	10.0	10.2	10.9	11.6	12.5	13.3	14.1	15.4	16.5	17.5
42.5°	10.0	10.6	11.5	12.5	13.6	15.1	16.9	18.6	20.6	22.6	24.4
40°	10.9	11.9	13.3	14.8	17.1	19.4	22.7	25.6	28.6	32.0	34.9
37.5°	12.2	13.7	16.0	18.7	22.4	26.3	31.0	35.8	40.2	46.4	51.5
35°	13.8	16.6	19.8	24.5	29.7	35.9	42.8	51.4	59.1	68.9	77.8
32.5°	16.6	20.3	25.6	32.1	39.3	49.9	60.2	74.8	88.1	102.4	116.5
30°	19.8	25.6	33.0	41.6	54.2	69.3	87.0	107.3	128.4	149.8	175.6
27.5°	24.5	32.1	41.6	55.7	74.2	94.8	122.4	151.4	189.6	223.2	261.1
25°	29.7	39.3	54.2	74.2	98.4	130.1	171.3	217.2	271.8	334.5	393.8
22.5°	35.9	49.9	69.3	94.8	130.1	178.1	233.9	308.7	392.6	476.5	551.0
20°	42.8	60.2	87.0	122.4	171.3	233.9	321.2	425.5	529.3	628.9	716.9
17.5°	51.4	74.8	107.3	151.4	217.2	308.7	425.5	548.3	669.3	788.2	895.1
15°	59.1	88.1	128.4	189.6	271.8	392.6	529.3	669.3	812.7	951.9	1082.9
12.5°	68.9	102.4	149.8	223.2	334.5	476.5	628.9	788.2	951.9	1115.0	1260.6
10°	77.8	116.5	175.6	261.1	393.8	551.0	716.9	895.1	1082.9	1260.6	1406.7
7.5°	84.9	127.8	196.2	297.6	446.1	613.8	795.2	991.1	1193.1	1374.0	1511.7
5°	90.0	135.9	211.2	325.7	484.4	660.1	853.4	1063.8	1274.3	1451.4	1583.8
2.5°	93.1	140.8	220.3	344.4	507.8	688.5	889.3	1109.2	1323.6	1496.1	1627.0
0°	94.1	142.5	223.3	350.7	515.7	698.1	901.4	1124.7	1340.4	1510.4	1642.0
-2.5°	93.1	140.8	220.3	344.4	507.8	688.5	889.3	1109.2	1323.6	1496.1	1627.0
-5°	90.0	135.9	211.2	325.7	484.4	660.1	853.4	1063.8	1274.3	1451.4	1583.8
-7.5°	84.9	127.8	196.2	297.6	446.1	613.8	795.2	991.1	1193.1	1374.0	1511.7
-10°	77.8	116.5	175.6	261.1	393.8	551.0	716.9	895.1	1082.9	1260.6	1406.7
-12.5°	68.9	102.4	149.8	223.2	334.5	476.5	628.9	788.2	951.9	1115.0	1260.6
-15°	59.1	88.1	128.4	189.6	271.8	392.6	529.3	669.3	812.7	951.9	1082.9
-17.5°	51.4	74.8	107.3	151.4	217.2	308.7	425.5	548.3	669.3	788.2	895.1
-20°	42.8	60.2	87.0	122.4	171.3	233.9	321.2	425.5	529.3	628.9	716.9



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	35.9	49.9	69.3	94.8	130.1	178.1	233.9	308.7	392.6	476.5	551.0
-25°	29.7	39.3	54.2	74.2	98.4	130.1	171.3	217.2	271.8	334.5	393.8
-27.5°	24.5	32.1	41.6	55.7	74.2	94.8	122.4	151.4	189.6	223.2	261.1
-30°	19.8	25.6	33.0	41.6	54.2	69.3	87.0	107.3	128.4	149.8	175.6
-32.5°	16.6	20.3	25.6	32.1	39.3	49.9	60.2	74.8	88.1	102.4	116.5
-35°	13.8	16.6	19.8	24.5	29.7	35.9	42.8	51.4	59.1	68.9	77.8
-37.5°	12.2	13.7	16.0	18.7	22.4	26.3	31.0	35.8	40.2	46.4	51.5
-40°	10.9	11.9	13.3	14.8	17.1	19.4	22.7	25.6	28.6	32.0	34.9
-42.5°	10.0	10.6	11.5	12.5	13.6	15.1	16.9	18.6	20.6	22.6	24.4
-45°	10.0	10.0	10.2	10.9	11.6	12.5	13.3	14.1	15.4	16.5	17.5
-47.5°	9.6	9.9	10.0	10.0	10.2	10.8	11.3	11.8	12.4	13.0	13.4
-50°	8.9	9.3	9.6	9.9	10.0	10.0	10.0	10.2	10.6	10.9	11.2
-52.5°	8.3	8.6	9.0	9.3	9.5	9.8	10.0	10.0	10.0	10.0	10.0
-55°	7.7	8.0	8.2	8.5	8.8	9.0	9.2	9.4	9.6	9.7	9.8
-57.5°	7.1	7.3	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.0
-60°	6.7	6.7	6.9	7.1	7.3	7.5	7.7	7.8	7.9	8.1	8.1
-62.5°	6.6	6.7	6.7	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4
-65°	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-67.5°	5.2	5.4	5.6	5.7	5.9	6.1	6.2	6.3	6.4	6.5	6.6
-70°	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7
-72.5°	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	4.9
-77.5°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1
-80°	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.3
-82.5°	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5
-85°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	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):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.5
67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3
65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
62.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.1
60°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.1	8.1	7.9	7.8
57.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.6
55°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.7	9.6	9.4
52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
50°	11.4	11.6	11.7	11.7	11.7	11.6	11.4	11.2	10.9	10.6	10.2
47.5°	13.8	14.0	14.2	14.2	14.2	14.0	13.8	13.4	13.0	12.4	11.8
45°	18.2	18.8	19.1	19.2	19.1	18.8	18.2	17.5	16.5	15.4	14.1
42.5°	25.7	26.7	27.3	27.5	27.3	26.7	25.7	24.4	22.6	20.6	18.6
40°	37.1	38.7	39.7	40.0	39.7	38.7	37.1	34.9	32.0	28.6	25.6
37.5°	55.5	58.4	60.2	60.8	60.2	58.4	55.5	51.5	46.4	40.2	35.8
35°	84.9	90.0	93.1	94.1	93.1	90.0	84.9	77.8	68.9	59.1	51.4
32.5°	127.8	135.9	140.8	142.5	140.8	135.9	127.8	116.5	102.4	88.1	74.8
30°	196.2	211.2	220.3	223.3	220.3	211.2	196.2	175.6	149.8	128.4	107.3
27.5°	297.6	325.7	344.4	350.7	344.4	325.7	297.6	261.1	223.2	189.6	151.4
25°	446.1	484.4	507.8	515.7	507.8	484.4	446.1	393.8	334.5	271.8	217.2
22.5°	613.8	660.1	688.5	698.1	688.5	660.1	613.8	551.0	476.5	392.6	308.7
20°	795.2	853.4	889.3	901.4	889.3	853.4	795.2	716.9	628.9	529.3	425.5
17.5°	991.1	1063.8	1109.2	1124.7	1109.2	1063.8	991.1	895.1	788.2	669.3	548.3
15°	1193.1	1274.3	1323.6	1340.4	1323.6	1274.3	1193.1	1082.9	951.9	812.7	669.3
12.5°	1374.0	1451.4	1496.1	1510.4	1496.1	1451.4	1374.0	1260.6	1115.0	951.9	788.2
10°	1511.7	1583.8	1627.0	1642.0	1627.0	1583.8	1511.7	1406.7	1260.6	1082.9	895.1
7.5°	1612.9	1685.8	1730.1	1743.2	1730.1	1685.8	1612.9	1511.7	1374.0	1193.1	991.1
5°	1685.8	1757.2	1784.4	1790.3	1784.4	1757.2	1685.8	1583.8	1451.4	1274.3	1063.8
2.5°	1730.1	1784.4	1788.8	1784.0	1788.8	1784.4	1730.1	1627.0	1496.1	1323.6	1109.2
0°	1743.2	1790.3	1784.0	1787.8	1784.0	1790.3	1743.2	1642.0	1510.4	1340.4	1124.7
-2.5°	1730.1	1784.4	1788.8	1784.0	1788.8	1784.4	1730.1	1627.0	1496.1	1323.6	1109.2
-5°	1685.8	1757.2	1784.4	1790.3	1784.4	1757.2	1685.8	1583.8	1451.4	1274.3	1063.8
-7.5°	1612.9	1685.8	1730.1	1743.2	1730.1	1685.8	1612.9	1511.7	1374.0	1193.1	991.1
-10°	1511.7	1583.8	1627.0	1642.0	1627.0	1583.8	1511.7	1406.7	1260.6	1082.9	895.1
-12.5°	1374.0	1451.4	1496.1	1510.4	1496.1	1451.4	1374.0	1260.6	1115.0	951.9	788.2
-15°	1193.1	1274.3	1323.6	1340.4	1323.6	1274.3	1193.1	1082.9	951.9	812.7	669.3
-17.5°	991.1	1063.8	1109.2	1124.7	1109.2	1063.8	991.1	895.1	788.2	669.3	548.3
-20°	795.2	853.4	889.3	901.4	889.3	853.4	795.2	716.9	628.9	529.3	425.5



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	613.8	660.1	688.5	698.1	688.5	660.1	613.8	551.0	476.5	392.6	308.7
-25°	446.1	484.4	507.8	515.7	507.8	484.4	446.1	393.8	334.5	271.8	217.2
-27.5°	297.6	325.7	344.4	350.7	344.4	325.7	297.6	261.1	223.2	189.6	151.4
-30°	196.2	211.2	220.3	223.3	220.3	211.2	196.2	175.6	149.8	128.4	107.3
-32.5°	127.8	135.9	140.8	142.5	140.8	135.9	127.8	116.5	102.4	88.1	74.8
-35°	84.9	90.0	93.1	94.1	93.1	90.0	84.9	77.8	68.9	59.1	51.4
-37.5°	55.5	58.4	60.2	60.8	60.2	58.4	55.5	51.5	46.4	40.2	35.8
-40°	37.1	38.7	39.7	40.0	39.7	38.7	37.1	34.9	32.0	28.6	25.6
-42.5°	25.7	26.7	27.3	27.5	27.3	26.7	25.7	24.4	22.6	20.6	18.6
-45°	18.2	18.8	19.1	19.2	19.1	18.8	18.2	17.5	16.5	15.4	14.1
-47.5°	13.8	14.0	14.2	14.2	14.2	14.0	13.8	13.4	13.0	12.4	11.8
-50°	11.4	11.6	11.7	11.7	11.7	11.6	11.4	11.2	10.9	10.6	10.2
-52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-55°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.7	9.6	9.4
-57.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.6
-60°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.1	8.1	7.9	7.8
-62.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.1
-65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3
-70°	5.7	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.6	5.5
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8
-77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	4.0
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	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):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
82.5°	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
80°	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4
77.5°	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9
75°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
72.5°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.5	4.3	4.1
70°	5.4	5.3	5.2	5.1	5.0	5.0	5.0	5.0	5.0	4.9	4.7
67.5°	6.2	6.1	5.9	5.7	5.6	5.4	5.2	5.1	5.0	5.0	5.0
65°	6.7	6.7	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.0
62.5°	6.9	6.8	6.7	6.7	6.7	6.7	6.6	6.3	6.1	5.8	5.5
60°	7.7	7.5	7.3	7.1	6.9	6.7	6.7	6.7	6.7	6.4	6.1
57.5°	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.7	6.7	6.6
55°	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4	7.0	6.7	6.7
52.5°	10.0	9.8	9.5	9.3	9.0	8.6	8.3	7.9	7.6	7.2	6.9
50°	10.0	10.0	10.0	9.9	9.6	9.3	8.9	8.5	8.1	7.8	7.4
47.5°	11.3	10.8	10.2	10.0	10.0	9.9	9.6	9.2	8.7	8.3	7.8
45°	13.3	12.5	11.6	10.9	10.2	10.0	10.0	9.7	9.3	8.8	8.3
42.5°	16.9	15.1	13.6	12.5	11.5	10.6	10.0	10.0	9.8	9.3	8.8
40°	22.7	19.4	17.1	14.8	13.3	11.9	10.9	10.0	10.0	9.8	9.3
37.5°	31.0	26.3	22.4	18.7	16.0	13.7	12.2	11.0	10.0	10.0	9.7
35°	42.8	35.9	29.7	24.5	19.8	16.6	13.8	12.2	10.9	10.0	10.0
32.5°	60.2	49.9	39.3	32.1	25.6	20.3	16.6	13.7	11.9	10.6	10.0
30°	87.0	69.3	54.2	41.6	33.0	25.6	19.8	16.0	13.3	11.5	10.2
27.5°	122.4	94.8	74.2	55.7	41.6	32.1	24.5	18.7	14.8	12.5	10.9
25°	171.3	130.1	98.4	74.2	54.2	39.3	29.7	22.4	17.1	13.6	11.6
22.5°	233.9	178.1	130.1	94.8	69.3	49.9	35.9	26.3	19.4	15.1	12.5
20°	321.2	233.9	171.3	122.4	87.0	60.2	42.8	31.0	22.7	16.9	13.3
17.5°	425.5	308.7	217.2	151.4	107.3	74.8	51.4	35.8	25.6	18.6	14.1
15°	529.3	392.6	271.8	189.6	128.4	88.1	59.1	40.2	28.6	20.6	15.4
12.5°	628.9	476.5	334.5	223.2	149.8	102.4	68.9	46.4	32.0	22.6	16.5
10°	716.9	551.0	393.8	261.1	175.6	116.5	77.8	51.5	34.9	24.4	17.5
7.5°	795.2	613.8	446.1	297.6	196.2	127.8	84.9	55.5	37.1	25.7	18.2
5°	853.4	660.1	484.4	325.7	211.2	135.9	90.0	58.4	38.7	26.7	18.8
2.5°	889.3	688.5	507.8	344.4	220.3	140.8	93.1	60.2	39.7	27.3	19.1
0°	901.4	698.1	515.7	350.7	223.3	142.5	94.1	60.8	40.0	27.5	19.2
-2.5°	889.3	688.5	507.8	344.4	220.3	140.8	93.1	60.2	39.7	27.3	19.1
-5°	853.4	660.1	484.4	325.7	211.2	135.9	90.0	58.4	38.7	26.7	18.8
-7.5°	795.2	613.8	446.1	297.6	196.2	127.8	84.9	55.5	37.1	25.7	18.2
-10°	716.9	551.0	393.8	261.1	175.6	116.5	77.8	51.5	34.9	24.4	17.5
-12.5°	628.9	476.5	334.5	223.2	149.8	102.4	68.9	46.4	32.0	22.6	16.5
-15°	529.3	392.6	271.8	189.6	128.4	88.1	59.1	40.2	28.6	20.6	15.4
-17.5°	425.5	308.7	217.2	151.4	107.3	74.8	51.4	35.8	25.6	18.6	14.1
-20°	321.2	233.9	171.3	122.4	87.0	60.2	42.8	31.0	22.7	16.9	13.3



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	233.9	178.1	130.1	94.8	69.3	49.9	35.9	26.3	19.4	15.1	12.5
-25°	171.3	130.1	98.4	74.2	54.2	39.3	29.7	22.4	17.1	13.6	11.6
-27.5°	122.4	94.8	74.2	55.7	41.6	32.1	24.5	18.7	14.8	12.5	10.9
-30°	87.0	69.3	54.2	41.6	33.0	25.6	19.8	16.0	13.3	11.5	10.2
-32.5°	60.2	49.9	39.3	32.1	25.6	20.3	16.6	13.7	11.9	10.6	10.0
-35°	42.8	35.9	29.7	24.5	19.8	16.6	13.8	12.2	10.9	10.0	10.0
-37.5°	31.0	26.3	22.4	18.7	16.0	13.7	12.2	11.0	10.0	10.0	9.7
-40°	22.7	19.4	17.1	14.8	13.3	11.9	10.9	10.0	10.0	9.8	9.3
-42.5°	16.9	15.1	13.6	12.5	11.5	10.6	10.0	10.0	9.8	9.3	8.8
-45°	13.3	12.5	11.6	10.9	10.2	10.0	10.0	9.7	9.3	8.8	8.3
-47.5°	11.3	10.8	10.2	10.0	10.0	9.9	9.6	9.2	8.7	8.3	7.8
-50°	10.0	10.0	10.0	9.9	9.6	9.3	8.9	8.5	8.1	7.8	7.4
-52.5°	10.0	9.8	9.5	9.3	9.0	8.6	8.3	7.9	7.6	7.2	6.9
-55°	9.2	9.0	8.8	8.5	8.2	8.0	7.7	7.4	7.0	6.7	6.7
-57.5°	8.4	8.2	8.0	7.8	7.6	7.3	7.1	6.8	6.7	6.7	6.6
-60°	7.7	7.5	7.3	7.1	6.9	6.7	6.7	6.7	6.7	6.4	6.1
-62.5°	6.9	6.8	6.7	6.7	6.7	6.7	6.6	6.3	6.1	5.8	5.5
-65°	6.7	6.7	6.7	6.5	6.3	6.1	5.9	5.7	5.4	5.2	5.0
-67.5°	6.2	6.1	5.9	5.7	5.6	5.4	5.2	5.1	5.0	5.0	5.0
-70°	5.4	5.3	5.2	5.1	5.0	5.0	5.0	5.0	5.0	4.9	4.7
-72.5°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.5	4.3	4.1
-75°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.5
-77.5°	3.9	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.0	2.9
-80°	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4
-82.5°	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-85°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
-90°	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):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
80°	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	1.0
77.5°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
75°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
72.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8
70°	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
67.5°	5.0	4.8	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2
65°	5.0	5.0	5.0	4.7	4.4	4.1	3.8	3.4	3.1	2.8	2.4
62.5°	5.2	5.0	5.0	5.0	4.8	4.5	4.1	3.8	3.4	3.0	2.7
60°	5.7	5.4	5.1	5.0	5.0	4.8	4.5	4.1	3.7	3.3	2.9
57.5°	6.3	5.9	5.5	5.1	5.0	5.0	4.8	4.4	4.0	3.5	3.1
55°	6.7	6.4	6.0	5.5	5.1	5.0	5.0	4.7	4.3	3.8	3.3
52.5°	6.7	6.7	6.4	6.0	5.5	5.1	5.0	5.0	4.5	4.0	3.5
50°	6.9	6.7	6.7	6.4	5.9	5.4	5.0	5.0	4.8	4.3	3.7
47.5°	7.4	6.9	6.7	6.7	6.3	5.7	5.2	5.0	5.0	4.5	3.9
45°	7.8	7.4	6.9	6.7	6.6	6.1	5.5	5.0	5.0	4.7	4.1
42.5°	8.3	7.8	7.2	6.7	6.7	6.4	5.8	5.2	5.0	4.9	4.3
40°	8.7	8.1	7.6	7.0	6.7	6.7	6.1	5.4	5.0	5.0	4.5
37.5°	9.2	8.5	7.9	7.4	6.8	6.7	6.3	5.7	5.1	5.0	4.6
35°	9.6	8.9	8.3	7.7	7.1	6.7	6.6	5.9	5.2	5.0	4.8
32.5°	9.9	9.3	8.6	8.0	7.3	6.7	6.7	6.1	5.4	5.0	4.9
30°	10.0	9.6	9.0	8.2	7.6	6.9	6.7	6.3	5.6	5.0	5.0
27.5°	10.0	9.9	9.3	8.5	7.8	7.1	6.7	6.5	5.7	5.1	5.0
25°	10.2	10.0	9.5	8.8	8.0	7.3	6.7	6.7	5.9	5.2	5.0
22.5°	10.8	10.0	9.8	9.0	8.2	7.5	6.8	6.7	6.1	5.3	5.0
20°	11.3	10.0	10.0	9.2	8.4	7.7	6.9	6.7	6.2	5.4	5.0
17.5°	11.8	10.2	10.0	9.4	8.6	7.8	7.1	6.7	6.3	5.5	5.0
15°	12.4	10.6	10.0	9.6	8.8	7.9	7.2	6.7	6.4	5.6	5.0
12.5°	13.0	10.9	10.0	9.7	8.9	8.1	7.3	6.7	6.5	5.6	5.0
10°	13.4	11.2	10.0	9.8	9.0	8.1	7.4	6.7	6.6	5.7	5.0
7.5°	13.8	11.4	10.0	9.9	9.1	8.2	7.4	6.7	6.6	5.7	5.0
5°	14.0	11.6	10.0	10.0	9.2	8.3	7.5	6.7	6.7	5.8	5.0
2.5°	14.2	11.7	10.0	10.0	9.2	8.3	7.5	6.7	6.7	5.8	5.0
0°	14.2	11.7	10.0	10.0	9.2	8.3	7.5	6.7	6.7	5.8	5.0
-2.5°	14.2	11.7	10.0	10.0	9.2	8.3	7.5	6.7	6.7	5.8	5.0
-5°	14.0	11.6	10.0	10.0	9.2	8.3	7.5	6.7	6.7	5.8	5.0
-7.5°	13.8	11.4	10.0	9.9	9.1	8.2	7.4	6.7	6.6	5.7	5.0
-10°	13.4	11.2	10.0	9.8	9.0	8.1	7.4	6.7	6.6	5.7	5.0
-12.5°	13.0	10.9	10.0	9.7	8.9	8.1	7.3	6.7	6.5	5.6	5.0
-15°	12.4	10.6	10.0	9.6	8.8	7.9	7.2	6.7	6.4	5.6	5.0
-17.5°	11.8	10.2	10.0	9.4	8.6	7.8	7.1	6.7	6.3	5.5	5.0
-20°	11.3	10.0	10.0	9.2	8.4	7.7	6.9	6.7	6.2	5.4	5.0



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	10.8	10.0	9.8	9.0	8.2	7.5	6.8	6.7	6.1	5.3	5.0
-25°	10.2	10.0	9.5	8.8	8.0	7.3	6.7	6.7	5.9	5.2	5.0
-27.5°	10.0	9.9	9.3	8.5	7.8	7.1	6.7	6.5	5.7	5.1	5.0
-30°	10.0	9.6	9.0	8.2	7.6	6.9	6.7	6.3	5.6	5.0	5.0
-32.5°	9.9	9.3	8.6	8.0	7.3	6.7	6.7	6.1	5.4	5.0	4.9
-35°	9.6	8.9	8.3	7.7	7.1	6.7	6.6	5.9	5.2	5.0	4.8
-37.5°	9.2	8.5	7.9	7.4	6.8	6.7	6.3	5.7	5.1	5.0	4.6
-40°	8.7	8.1	7.6	7.0	6.7	6.7	6.1	5.4	5.0	5.0	4.5
-42.5°	8.3	7.8	7.2	6.7	6.7	6.4	5.8	5.2	5.0	4.9	4.3
-45°	7.8	7.4	6.9	6.7	6.6	6.1	5.5	5.0	5.0	4.7	4.1
-47.5°	7.4	6.9	6.7	6.7	6.3	5.7	5.2	5.0	5.0	4.5	3.9
-50°	6.9	6.7	6.7	6.4	5.9	5.4	5.0	5.0	4.8	4.3	3.7
-52.5°	6.7	6.7	6.4	6.0	5.5	5.1	5.0	5.0	4.5	4.0	3.5
-55°	6.7	6.4	6.0	5.5	5.1	5.0	5.0	4.7	4.3	3.8	3.3
-57.5°	6.3	5.9	5.5	5.1	5.0	5.0	4.8	4.4	4.0	3.5	3.1
-60°	5.7	5.4	5.1	5.0	5.0	4.8	4.5	4.1	3.7	3.3	2.9
-62.5°	5.2	5.0	5.0	5.0	4.8	4.5	4.1	3.8	3.4	3.0	2.7
-65°	5.0	5.0	5.0	4.7	4.4	4.1	3.8	3.4	3.1	2.8	2.4
-67.5°	5.0	4.8	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2
-70°	4.5	4.3	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
-72.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8
-75°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
-77.5°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
-80°	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	1.0
-82.5°	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
-85°	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
-90°	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):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	1.1	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.3	1.1	0.8	0.6	0.4	0.2	0.0
72.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
70°	1.7	1.4	1.1	0.8	0.5	0.3	0.0
67.5°	1.9	1.6	1.3	0.9	0.6	0.3	0.0
65°	2.1	1.8	1.4	1.0	0.7	0.3	0.0
62.5°	2.3	1.9	1.6	1.1	0.7	0.4	0.0
60°	2.5	2.1	1.7	1.2	0.8	0.4	0.0
57.5°	2.7	2.2	1.8	1.3	0.9	0.4	0.0
55°	2.8	2.4	1.9	1.4	0.9	0.5	0.0
52.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
50°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
47.5°	3.3	2.8	2.3	1.7	1.1	0.5	0.0
45°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
42.5°	3.7	3.0	2.5	1.9	1.2	0.6	0.0
40°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
37.5°	4.0	3.3	2.6	2.0	1.3	0.6	0.0
35°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
32.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
30°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
27.5°	4.4	3.7	2.9	2.2	1.5	0.7	0.0
25°	4.5	3.8	3.0	2.3	1.5	0.7	0.0
22.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
20°	4.7	3.9	3.1	2.4	1.6	0.8	0.0
17.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
15°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
12.5°	4.9	4.1	3.2	2.4	1.7	0.8	0.0
10°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
7.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
2.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
0°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-2.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-7.5°	5.0	4.2	3.3	2.5	1.7	0.8	0.0
-10°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-12.5°	4.9	4.1	3.2	2.4	1.7	0.8	0.0
-15°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-17.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-20°	4.7	3.9	3.1	2.4	1.6	0.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	4.6	3.9	3.1	2.3	1.6	0.7	0.0
-25°	4.5	3.8	3.0	2.3	1.5	0.7	0.0
-27.5°	4.4	3.7	2.9	2.2	1.5	0.7	0.0
-30°	4.3	3.6	2.9	2.2	1.5	0.7	0.0
-32.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-35°	4.1	3.4	2.7	2.1	1.4	0.7	0.0
-37.5°	4.0	3.3	2.6	2.0	1.3	0.6	0.0
-40°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-42.5°	3.7	3.0	2.5	1.9	1.2	0.6	0.0
-45°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-47.5°	3.3	2.8	2.3	1.7	1.1	0.5	0.0
-50°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-52.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-55°	2.8	2.4	1.9	1.4	0.9	0.5	0.0
-57.5°	2.7	2.2	1.8	1.3	0.9	0.4	0.0
-60°	2.5	2.1	1.7	1.2	0.8	0.4	0.0
-62.5°	2.3	1.9	1.6	1.1	0.7	0.4	0.0
-65°	2.1	1.8	1.4	1.0	0.7	0.3	0.0
-67.5°	1.9	1.6	1.3	0.9	0.6	0.3	0.0
-70°	1.7	1.4	1.1	0.8	0.5	0.3	0.0
-72.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-75°	1.3	1.1	0.8	0.6	0.4	0.2	0.0
-77.5°	1.1	0.9	0.7	0.5	0.3	0.2	0.0
-80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
-82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)