

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: P220316 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P220316 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)  
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]-LED5080-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 5000K CCT, 80 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

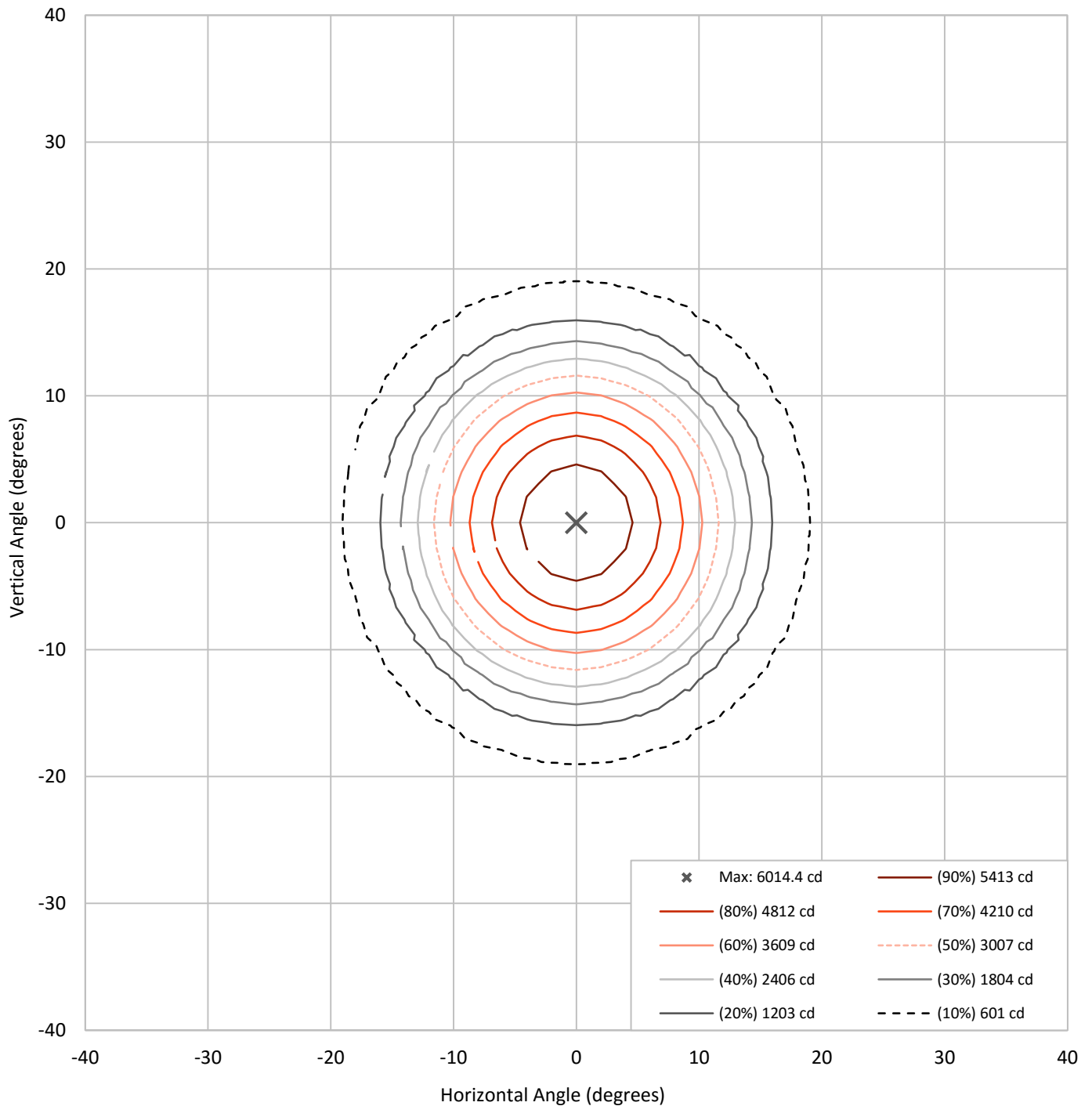
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1073.4 lumens	Max Intensity:	6014.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	107.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.2°H x 23.2°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	563.1 lumens	Field Lumens:	868.7 lumens
Beam Efficiency:	52.5%	Field Efficiency:	80.9%

Input Watts (W): 10  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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]-LED5080-M-WT-L1-UNV

### Iso-Candela Plot





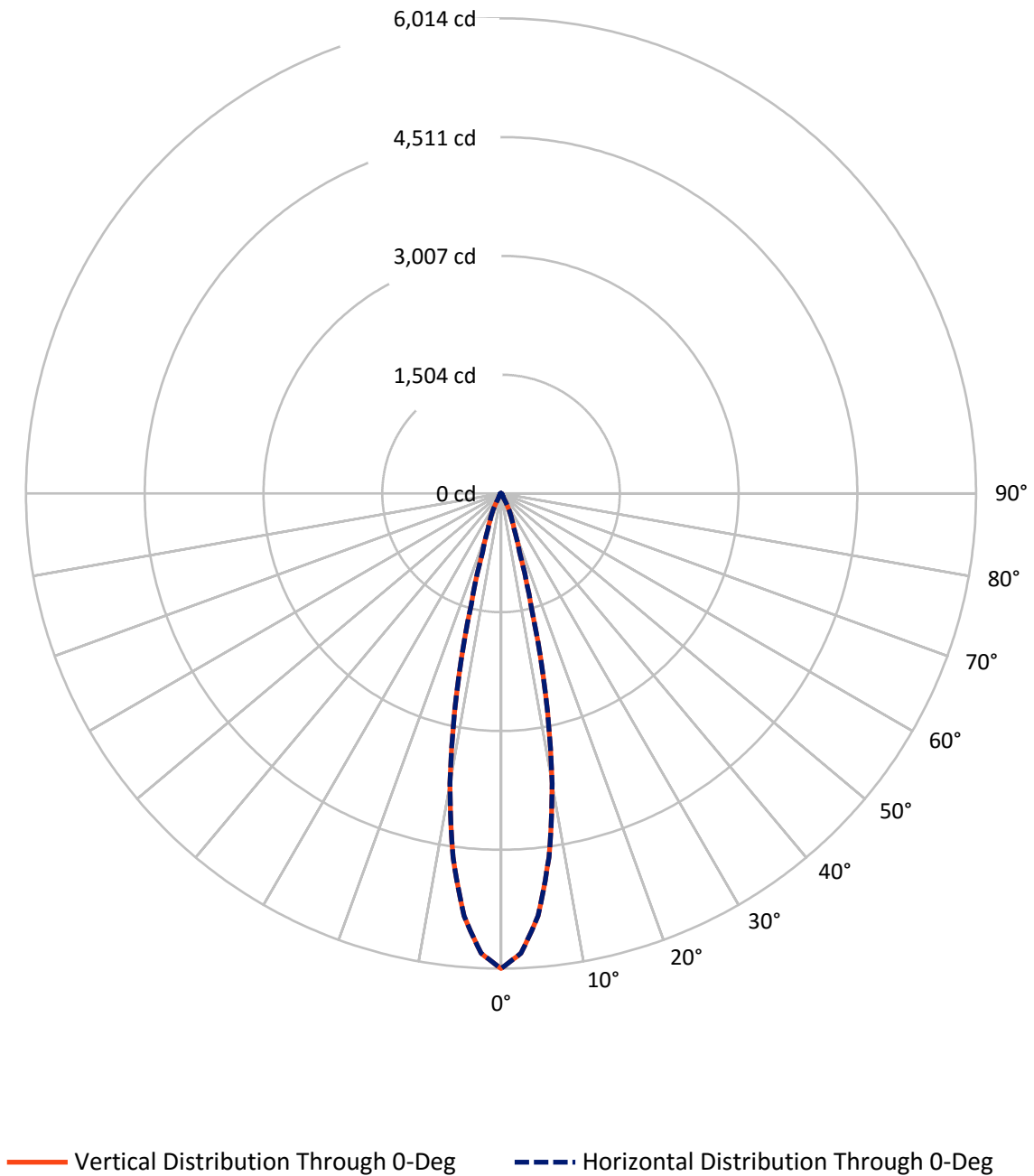
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### Lumen Table

90	0.0	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.1	0.0								
80	0.0	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.1	0.0								
70	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1			
60		0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1				
50	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
40		0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.0	0.8	0.6	0.4	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.4	0.5	1.0	3.3	6.9	6.9	3.3	1.0	0.5	0.4	0.2	0.1	0.1			
20		0.1	0.3	0.4	0.7	3.1	14.4	42.4	42.4	14.4	3.1	0.7	0.4	0.3	0.1				
10	0.1	0.1	0.3	0.4	0.8	6.4	41.4	134.0	134.0	41.4	6.4	0.8	0.4	0.3	0.1	0.1			
0		0.1	0.3	0.4	0.8	6.4	41.4	134.0	134.0	41.4	6.4	0.8	0.4	0.3	0.1				
-10	0.1	0.1	0.3	0.4	0.8	6.4	41.4	134.0	134.0	41.4	6.4	0.8	0.4	0.3	0.1	0.1			
-20		0.1	0.3	0.4	0.7	3.1	14.4	42.4	42.4	14.4	3.1	0.7	0.4	0.3	0.1				
-30	0.1	0.1	0.2	0.4	0.5	1.0	3.3	6.9	6.9	3.3	1.0	0.5	0.4	0.2	0.1	0.1			
-40		0.1	0.2	0.3	0.4	0.6	0.8	1.0	1.0	0.8	0.6	0.4	0.3	0.2	0.1				
-50	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.4	0.3	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1				
-70	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1			
-80		0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1				
-90	0.0	0.1	0.3	0.5	0.5	0.5	0.5	0.5	0.3	0.1	0.0								

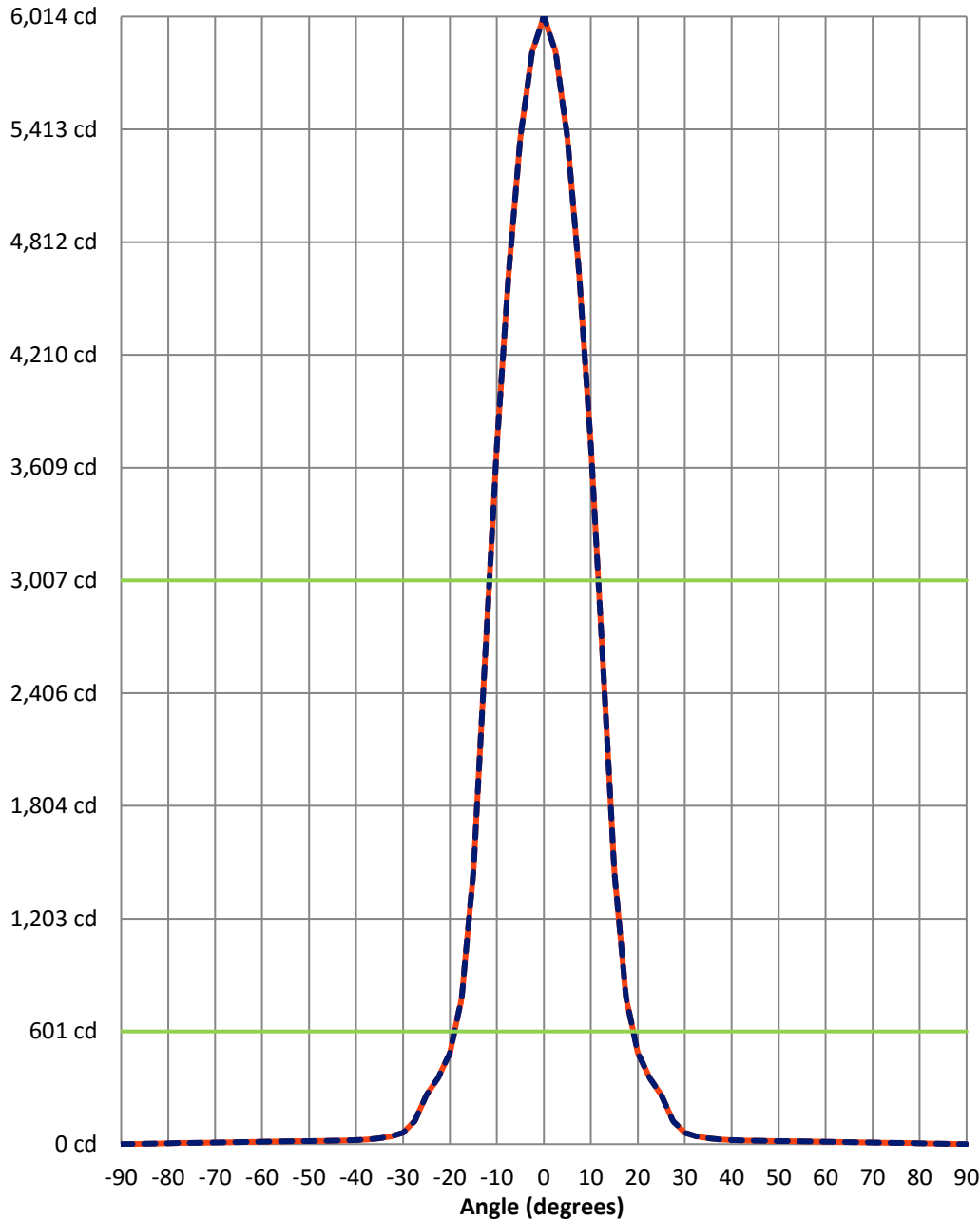
REPORT NUMBER: P220316 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-M-WT-L1-UNV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 23.2°  
V Angle: 23.2°  
Lumens: 563.1  
Efficiency: 52.5%

**Field:**  
H Angle: 38.1°  
V Angle: 38.1°  
Lumens: 868.7  
Efficiency: 80.9%

**Spill:**  
Lumens: 204.7  
Efficiency: 19.1%

— Vertical Distribution through 0-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	0.2	0.2	0.3	0.3	0.4	0.4	0.5
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
80°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9
77.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.2	2.5	2.8
72.5°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
70°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
65°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.7
62.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.6	5.5
60°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	5.3	6.3
57.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.9	6.0	6.6
55°	0.0	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.6	6.6	6.6
52.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.9	6.2	6.6	6.6
50°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	5.4	6.6	6.6	6.9
47.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.9	6.6	6.6	7.2
45°	0.0	0.8	1.6	2.3	3.1	3.9	4.9	6.4	6.6	6.9	7.6
42.5°	0.0	0.8	1.6	2.4	3.2	4.0	5.3	6.6	6.6	7.2	7.9
40°	0.0	0.8	1.7	2.5	3.4	4.2	5.7	6.6	6.7	7.4	8.2
37.5°	0.0	0.9	1.7	2.6	3.5	4.4	6.0	6.6	6.9	7.7	8.5
35°	0.0	0.9	1.8	2.7	3.6	4.6	6.4	6.6	7.1	7.9	8.8
32.5°	0.0	0.9	1.9	2.8	3.7	4.9	6.6	6.6	7.3	8.2	9.1
30°	0.0	1.0	1.9	2.9	3.8	5.1	6.6	6.6	7.5	8.4	9.3
27.5°	0.0	1.0	2.0	2.9	3.9	5.3	6.6	6.8	7.7	8.6	9.6
25°	0.0	1.0	2.0	3.0	4.0	5.6	6.6	6.9	7.8	8.8	9.8
22.5°	0.0	1.0	2.0	3.0	4.1	5.8	6.6	7.1	8.0	9.0	10.0
20°	0.0	1.0	2.1	3.1	4.1	5.9	6.6	7.2	8.1	9.2	10.2
17.5°	0.0	1.0	2.1	3.1	4.2	6.1	6.6	7.3	8.3	9.3	10.4
15°	0.0	1.1	2.1	3.2	4.2	6.2	6.6	7.4	8.4	9.4	10.5
12.5°	0.0	1.1	2.1	3.2	4.3	6.3	6.6	7.4	8.5	9.6	10.6
10°	0.0	1.1	2.2	3.2	4.3	6.4	6.6	7.5	8.6	9.6	10.7
7.5°	0.0	1.1	2.2	3.3	4.4	6.5	6.6	7.5	8.6	9.7	10.8
5°	0.0	1.1	2.2	3.3	4.4	6.6	6.6	7.6	8.7	9.8	10.9
2.5°	0.0	1.1	2.2	3.3	4.4	6.6	6.6	7.6	8.7	9.8	10.9
0°	0.0	1.1	2.2	3.3	4.4	6.6	6.6	7.6	8.7	9.8	10.9
-2.5°	0.0	1.1	2.2	3.3	4.4	6.6	6.6	7.6	8.7	9.8	10.9
-5°	0.0	1.1	2.2	3.3	4.4	6.6	6.6	7.6	8.7	9.8	10.9
-7.5°	0.0	1.1	2.2	3.3	4.4	6.5	6.6	7.5	8.6	9.7	10.8
-10°	0.0	1.1	2.2	3.2	4.3	6.4	6.6	7.5	8.6	9.6	10.7
-12.5°	0.0	1.1	2.1	3.2	4.3	6.3	6.6	7.4	8.5	9.6	10.6
-15°	0.0	1.1	2.1	3.2	4.2	6.2	6.6	7.4	8.4	9.4	10.5
-17.5°	0.0	1.0	2.1	3.1	4.2	6.1	6.6	7.3	8.3	9.3	10.4
-20°	0.0	1.0	2.1	3.1	4.1	5.9	6.6	7.2	8.1	9.2	10.2



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED5080-M-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	1.0	2.0	3.0	4.1	5.8	6.6	7.1	8.0	9.0	10.0
-25°	0.0	1.0	2.0	3.0	4.0	5.6	6.6	6.9	7.8	8.8	9.8
-27.5°	0.0	1.0	2.0	2.9	3.9	5.3	6.6	6.8	7.7	8.6	9.6
-30°	0.0	1.0	1.9	2.9	3.8	5.1	6.6	6.6	7.5	8.4	9.3
-32.5°	0.0	0.9	1.9	2.8	3.7	4.9	6.6	6.6	7.3	8.2	9.1
-35°	0.0	0.9	1.8	2.7	3.6	4.6	6.4	6.6	7.1	7.9	8.8
-37.5°	0.0	0.9	1.7	2.6	3.5	4.4	6.0	6.6	6.9	7.7	8.5
-40°	0.0	0.8	1.7	2.5	3.4	4.2	5.7	6.6	6.7	7.4	8.2
-42.5°	0.0	0.8	1.6	2.4	3.2	4.0	5.3	6.6	6.6	7.2	7.9
-45°	0.0	0.8	1.6	2.3	3.1	3.9	4.9	6.4	6.6	6.9	7.6
-47.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.9	6.6	6.6	7.2
-50°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	5.4	6.6	6.6	6.9
-52.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.9	6.2	6.6	6.6
-55°	0.0	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.6	6.6	6.6
-57.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.9	6.0	6.6
-60°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	5.3	6.3
-62.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.6	5.5
-65°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.7
-67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-70°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
-72.5°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.2	2.5	2.8
-77.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-80°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.8	0.9
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-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°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
82.5°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
80°	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5
77.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4
75°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.9	5.3	5.7	6.0
72.5°	3.5	3.8	4.1	4.4	4.9	5.4	5.9	6.4	6.6	6.6	6.6
70°	4.0	4.3	4.9	5.6	6.2	6.6	6.6	6.6	6.6	6.7	6.9
67.5°	4.6	5.3	6.0	6.6	6.6	6.6	6.6	6.9	7.2	7.4	7.7
65°	5.5	6.3	6.6	6.6	6.6	6.9	7.2	7.6	7.9	8.2	8.5
62.5°	6.4	6.6	6.6	6.7	7.1	7.5	7.9	8.3	8.7	9.0	9.4
60°	6.6	6.6	6.8	7.3	7.7	8.1	8.6	9.0	9.4	9.8	10.2
57.5°	6.6	6.8	7.3	7.8	8.3	8.8	9.3	9.7	10.2	10.6	11.0
55°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.8
52.5°	7.1	7.7	8.3	8.9	9.5	10.0	10.6	11.1	11.6	12.1	12.6
50°	7.5	8.1	8.8	9.4	10.0	10.6	11.2	11.8	12.3	12.9	13.4
47.5°	7.9	8.6	9.3	9.9	10.6	11.2	11.8	12.5	13.0	13.6	14.2
45°	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.1	13.7	14.3	14.9
42.5°	8.7	9.4	10.2	10.9	11.6	12.3	13.0	13.7	14.4	15.0	15.7
40°	9.0	9.8	10.6	11.4	12.1	12.9	13.6	14.3	15.0	15.7	16.4
37.5°	9.4	10.2	11.0	11.8	12.6	13.4	14.2	14.9	15.7	16.4	16.4
35°	9.7	10.5	11.4	12.2	13.1	13.9	14.7	15.5	16.2	16.4	16.6
32.5°	10.0	10.9	11.8	12.6	13.5	14.3	15.2	16.0	16.4	16.5	17.3
30°	10.3	11.2	12.1	13.0	13.9	14.8	15.7	16.4	16.4	17.1	17.9
27.5°	10.5	11.5	12.4	13.4	14.3	15.2	16.1	16.4	16.8	17.6	18.5
25°	10.8	11.8	12.7	13.7	14.6	15.6	16.4	16.4	17.2	18.1	19.0
22.5°	11.0	12.0	13.0	14.0	15.0	15.9	16.4	16.7	17.7	18.6	19.5
20°	11.2	12.2	13.2	14.3	15.3	16.2	16.4	17.1	18.1	19.1	20.3
17.5°	11.4	12.4	13.5	14.5	15.5	16.4	16.5	17.5	18.5	19.5	21.1
15°	11.6	12.6	13.7	14.7	15.7	16.4	16.7	17.8	18.8	19.9	21.8
12.5°	11.7	12.8	13.8	14.9	15.9	16.4	17.0	18.0	19.1	20.5	22.8
10°	11.8	12.9	14.0	15.0	16.1	16.4	17.2	18.2	19.3	20.9	23.6
7.5°	11.9	13.0	14.1	15.1	16.2	16.4	17.3	18.4	19.5	21.3	24.3
5°	12.0	13.0	14.1	15.2	16.3	16.4	17.4	18.5	19.6	21.6	24.7
2.5°	12.0	13.1	14.2	15.3	16.4	16.4	17.5	18.6	19.7	21.7	25.0
0°	12.0	13.1	14.2	15.3	16.4	16.4	17.5	18.6	19.7	21.8	25.1
-2.5°	12.0	13.1	14.2	15.3	16.4	16.4	17.5	18.6	19.7	21.7	25.0
-5°	12.0	13.0	14.1	15.2	16.3	16.4	17.4	18.5	19.6	21.6	24.7
-7.5°	11.9	13.0	14.1	15.1	16.2	16.4	17.3	18.4	19.5	21.3	24.3
-10°	11.8	12.9	14.0	15.0	16.1	16.4	17.2	18.2	19.3	20.9	23.6
-12.5°	11.7	12.8	13.8	14.9	15.9	16.4	17.0	18.0	19.1	20.5	22.8
-15°	11.6	12.6	13.7	14.7	15.7	16.4	16.7	17.8	18.8	19.9	21.8
-17.5°	11.4	12.4	13.5	14.5	15.5	16.4	16.5	17.5	18.5	19.5	21.1
-20°	11.2	12.2	13.2	14.3	15.3	16.2	16.4	17.1	18.1	19.1	20.3



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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°	11.0	12.0	13.0	14.0	15.0	15.9	16.4	16.7	17.7	18.6	19.5
-25°	10.8	11.8	12.7	13.7	14.6	15.6	16.4	16.4	17.2	18.1	19.0
-27.5°	10.5	11.5	12.4	13.4	14.3	15.2	16.1	16.4	16.8	17.6	18.5
-30°	10.3	11.2	12.1	13.0	13.9	14.8	15.7	16.4	16.4	17.1	17.9
-32.5°	10.0	10.9	11.8	12.6	13.5	14.3	15.2	16.0	16.4	16.5	17.3
-35°	9.7	10.5	11.4	12.2	13.1	13.9	14.7	15.5	16.2	16.4	16.6
-37.5°	9.4	10.2	11.0	11.8	12.6	13.4	14.2	14.9	15.7	16.4	16.4
-40°	9.0	9.8	10.6	11.4	12.1	12.9	13.6	14.3	15.0	15.7	16.4
-42.5°	8.7	9.4	10.2	10.9	11.6	12.3	13.0	13.7	14.4	15.0	15.7
-45°	8.3	9.0	9.7	10.4	11.1	11.8	12.5	13.1	13.7	14.3	14.9
-47.5°	7.9	8.6	9.3	9.9	10.6	11.2	11.8	12.5	13.0	13.6	14.2
-50°	7.5	8.1	8.8	9.4	10.0	10.6	11.2	11.8	12.3	12.9	13.4
-52.5°	7.1	7.7	8.3	8.9	9.5	10.0	10.6	11.1	11.6	12.1	12.6
-55°	6.7	7.3	7.8	8.4	8.9	9.4	9.9	10.4	10.9	11.4	11.8
-57.5°	6.6	6.8	7.3	7.8	8.3	8.8	9.3	9.7	10.2	10.6	11.0
-60°	6.6	6.6	6.8	7.3	7.7	8.1	8.6	9.0	9.4	9.8	10.2
-62.5°	6.4	6.6	6.6	6.7	7.1	7.5	7.9	8.3	8.7	9.0	9.4
-65°	5.5	6.3	6.6	6.6	6.6	6.9	7.2	7.6	7.9	8.2	8.5
-67.5°	4.6	5.3	6.0	6.6	6.6	6.6	6.6	6.9	7.2	7.4	7.7
-70°	4.0	4.3	4.9	5.6	6.2	6.6	6.6	6.6	6.6	6.7	6.9
-72.5°	3.5	3.8	4.1	4.4	4.9	5.4	5.9	6.4	6.6	6.6	6.6
-75°	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.9	5.3	5.7	6.0
-77.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4
-80°	2.0	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.2	3.4	3.5
-82.5°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
-85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.7
-87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.9
-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°	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
85°	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2
82.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
80°	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
77.5°	4.6	4.9	5.1	5.3	5.6	5.8	5.9	6.1	6.2	6.3	6.4
75°	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	6.6	6.6	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.4	7.5
70°	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6
67.5°	7.9	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.4	9.6	9.6
65°	8.8	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.5	10.6	10.7
62.5°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.7	11.8
60°	10.5	10.9	11.2	11.5	11.8	12.0	12.2	12.4	12.6	12.8	12.9
57.5°	11.4	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.7	13.8	14.0
55°	12.2	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.7	14.9	15.0
52.5°	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.5	15.7	15.9	16.1
50°	13.9	14.3	14.8	15.2	15.6	15.9	16.2	16.4	16.4	16.4	16.4
47.5°	14.7	15.2	15.7	16.1	16.4	16.4	16.4	16.5	16.7	17.0	17.2
45°	15.5	16.0	16.4	16.4	16.4	16.7	17.1	17.5	17.8	18.0	18.2
42.5°	16.2	16.4	16.4	16.8	17.2	17.7	18.1	18.5	18.8	19.1	19.3
40°	16.4	16.5	17.1	17.6	18.1	18.6	19.1	19.5	19.9	20.5	20.9
37.5°	16.6	17.3	17.9	18.5	19.0	19.5	20.3	21.1	21.8	22.8	23.6
35°	17.3	18.0	18.7	19.3	20.1	21.1	22.2	23.6	24.8	26.7	28.5
32.5°	18.0	18.8	19.4	20.5	21.7	23.4	25.0	27.9	30.5	33.4	36.2
30°	18.7	19.4	20.6	22.1	24.1	26.8	30.3	34.4	38.7	43.3	49.5
27.5°	19.3	20.5	22.1	24.3	27.8	31.8	37.4	43.7	52.9	61.1	72.5
25°	20.1	21.7	24.1	27.8	32.6	39.0	48.5	59.6	76.6	110.6	160.6
22.5°	21.1	23.4	26.8	31.8	39.0	50.1	64.3	93.7	159.5	232.2	280.0
20°	22.2	25.0	30.3	37.4	48.5	64.3	99.7	189.7	268.9	319.6	367.1
17.5°	23.6	27.9	34.4	43.7	59.6	93.7	189.7	278.6	340.1	413.9	483.9
15°	24.8	30.5	38.7	52.9	76.6	159.5	268.9	340.1	429.9	536.3	700.6
12.5°	26.7	33.4	43.3	61.1	110.6	232.2	319.6	413.9	536.3	763.0	1132.2
10°	28.5	36.2	49.5	72.5	160.6	280.0	367.1	483.9	700.6	1132.2	1837.2
7.5°	29.9	38.5	54.5	88.6	208.8	311.9	418.4	574.0	935.7	1650.6	2613.8
5°	30.9	40.2	58.2	103.4	238.2	335.5	456.5	672.7	1188.3	2146.6	3229.6
2.5°	31.5	41.2	60.4	118.8	256.0	349.9	480.0	751.6	1389.7	2485.1	3599.5
0°	31.7	41.5	61.1	123.9	262.0	354.8	488.0	781.7	1458.6	2602.7	3727.2
-2.5°	31.5	41.2	60.4	118.8	256.0	349.9	480.0	751.6	1389.7	2485.1	3599.5
-5°	30.9	40.2	58.2	103.4	238.2	335.5	456.5	672.7	1188.3	2146.6	3229.6
-7.5°	29.9	38.5	54.5	88.6	208.8	311.9	418.4	574.0	935.7	1650.6	2613.8
-10°	28.5	36.2	49.5	72.5	160.6	280.0	367.1	483.9	700.6	1132.2	1837.2
-12.5°	26.7	33.4	43.3	61.1	110.6	232.2	319.6	413.9	536.3	763.0	1132.2
-15°	24.8	30.5	38.7	52.9	76.6	159.5	268.9	340.1	429.9	536.3	700.6
-17.5°	23.6	27.9	34.4	43.7	59.6	93.7	189.7	278.6	340.1	413.9	483.9
-20°	22.2	25.0	30.3	37.4	48.5	64.3	99.7	189.7	268.9	319.6	367.1



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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°	21.1	23.4	26.8	31.8	39.0	50.1	64.3	93.7	159.5	232.2	280.0
-25°	20.1	21.7	24.1	27.8	32.6	39.0	48.5	59.6	76.6	110.6	160.6
-27.5°	19.3	20.5	22.1	24.3	27.8	31.8	37.4	43.7	52.9	61.1	72.5
-30°	18.7	19.4	20.6	22.1	24.1	26.8	30.3	34.4	38.7	43.3	49.5
-32.5°	18.0	18.8	19.4	20.5	21.7	23.4	25.0	27.9	30.5	33.4	36.2
-35°	17.3	18.0	18.7	19.3	20.1	21.1	22.2	23.6	24.8	26.7	28.5
-37.5°	16.6	17.3	17.9	18.5	19.0	19.5	20.3	21.1	21.8	22.8	23.6
-40°	16.4	16.5	17.1	17.6	18.1	18.6	19.1	19.5	19.9	20.5	20.9
-42.5°	16.2	16.4	16.4	16.8	17.2	17.7	18.1	18.5	18.8	19.1	19.3
-45°	15.5	16.0	16.4	16.4	16.4	16.7	17.1	17.5	17.8	18.0	18.2
-47.5°	14.7	15.2	15.7	16.1	16.4	16.4	16.4	16.5	16.7	17.0	17.2
-50°	13.9	14.3	14.8	15.2	15.6	15.9	16.2	16.4	16.4	16.4	16.4
-52.5°	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.5	15.7	15.9	16.1
-55°	12.2	12.6	13.0	13.4	13.7	14.0	14.3	14.5	14.7	14.9	15.0
-57.5°	11.4	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.7	13.8	14.0
-60°	10.5	10.9	11.2	11.5	11.8	12.0	12.2	12.4	12.6	12.8	12.9
-62.5°	9.7	10.0	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.7	11.8
-65°	8.8	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.5	10.6	10.7
-67.5°	7.9	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.4	9.6	9.6
-70°	7.1	7.3	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6
-72.5°	6.6	6.6	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.4	7.5
-75°	6.4	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
-77.5°	4.6	4.9	5.1	5.3	5.6	5.8	5.9	6.1	6.2	6.3	6.4
-80°	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
-82.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
-85°	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2
-87.5°	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
-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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
77.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
72.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.3
70°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.3
67.5°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.6	9.4	9.3
65°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
62.5°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
60°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.8	12.6	12.4
57.5°	14.1	14.1	14.2	14.2	14.2	14.1	14.1	14.0	13.8	13.7	13.5
55°	15.1	15.2	15.3	15.3	15.3	15.2	15.1	15.0	14.9	14.7	14.5
52.5°	16.2	16.3	16.4	16.4	16.4	16.3	16.2	16.1	15.9	15.7	15.5
50°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
47.5°	17.3	17.4	17.5	17.5	17.5	17.4	17.3	17.2	17.0	16.7	16.5
45°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.8	17.5
42.5°	19.5	19.6	19.7	19.7	19.7	19.6	19.5	19.3	19.1	18.8	18.5
40°	21.3	21.6	21.7	21.8	21.7	21.6	21.3	20.9	20.5	19.9	19.5
37.5°	24.3	24.7	25.0	25.1	25.0	24.7	24.3	23.6	22.8	21.8	21.1
35°	29.9	30.9	31.5	31.7	31.5	30.9	29.9	28.5	26.7	24.8	23.6
32.5°	38.5	40.2	41.2	41.5	41.2	40.2	38.5	36.2	33.4	30.5	27.9
30°	54.5	58.2	60.4	61.1	60.4	58.2	54.5	49.5	43.3	38.7	34.4
27.5°	88.6	103.4	118.8	123.9	118.8	103.4	88.6	72.5	61.1	52.9	43.7
25°	208.8	238.2	256.0	262.0	256.0	238.2	208.8	160.6	110.6	76.6	59.6
22.5°	311.9	335.5	349.9	354.8	349.9	335.5	311.9	280.0	232.2	159.5	93.7
20°	418.4	456.5	480.0	488.0	480.0	456.5	418.4	367.1	319.6	268.9	189.7
17.5°	574.0	672.7	751.6	781.7	751.6	672.7	574.0	483.9	413.9	340.1	278.6
15°	935.7	1188.3	1389.7	1458.6	1389.7	1188.3	935.7	700.6	536.3	429.9	340.1
12.5°	1650.6	2146.6	2485.1	2602.7	2485.1	2146.6	1650.6	1132.2	763.0	536.3	413.9
10°	2613.8	3229.6	3599.5	3727.2	3599.5	3229.6	2613.8	1837.2	1132.2	700.6	483.9
7.5°	3479.3	4111.4	4509.3	4643.2	4509.3	4111.4	3479.3	2613.8	1650.6	935.7	574.0
5°	4111.4	4787.0	5213.8	5368.1	5213.8	4787.0	4111.4	3229.6	2146.6	1188.3	672.7
2.5°	4509.3	5213.8	5670.5	5824.4	5670.5	5213.8	4509.3	3599.5	2485.1	1389.7	751.6
0°	4643.2	5368.1	5824.4	6014.4	5824.4	5368.1	4643.2	3727.2	2602.7	1458.6	781.7
-2.5°	4509.3	5213.8	5670.5	5824.4	5670.5	5213.8	4509.3	3599.5	2485.1	1389.7	751.6
-5°	4111.4	4787.0	5213.8	5368.1	5213.8	4787.0	4111.4	3229.6	2146.6	1188.3	672.7
-7.5°	3479.3	4111.4	4509.3	4643.2	4509.3	4111.4	3479.3	2613.8	1650.6	935.7	574.0
-10°	2613.8	3229.6	3599.5	3727.2	3599.5	3229.6	2613.8	1837.2	1132.2	700.6	483.9
-12.5°	1650.6	2146.6	2485.1	2602.7	2485.1	2146.6	1650.6	1132.2	763.0	536.3	413.9
-15°	935.7	1188.3	1389.7	1458.6	1389.7	1188.3	935.7	700.6	536.3	429.9	340.1
-17.5°	574.0	672.7	751.6	781.7	751.6	672.7	574.0	483.9	413.9	340.1	278.6
-20°	418.4	456.5	480.0	488.0	480.0	456.5	418.4	367.1	319.6	268.9	189.7



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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°	311.9	335.5	349.9	354.8	349.9	335.5	311.9	280.0	232.2	159.5	93.7
-25°	208.8	238.2	256.0	262.0	256.0	238.2	208.8	160.6	110.6	76.6	59.6
-27.5°	88.6	103.4	118.8	123.9	118.8	103.4	88.6	72.5	61.1	52.9	43.7
-30°	54.5	58.2	60.4	61.1	60.4	58.2	54.5	49.5	43.3	38.7	34.4
-32.5°	38.5	40.2	41.2	41.5	41.2	40.2	38.5	36.2	33.4	30.5	27.9
-35°	29.9	30.9	31.5	31.7	31.5	30.9	29.9	28.5	26.7	24.8	23.6
-37.5°	24.3	24.7	25.0	25.1	25.0	24.7	24.3	23.6	22.8	21.8	21.1
-40°	21.3	21.6	21.7	21.8	21.7	21.6	21.3	20.9	20.5	19.9	19.5
-42.5°	19.5	19.6	19.7	19.7	19.7	19.6	19.5	19.3	19.1	18.8	18.5
-45°	18.4	18.5	18.6	18.6	18.6	18.5	18.4	18.2	18.0	17.8	17.5
-47.5°	17.3	17.4	17.5	17.5	17.5	17.4	17.3	17.2	17.0	16.7	16.5
-50°	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4
-52.5°	16.2	16.3	16.4	16.4	16.4	16.3	16.2	16.1	15.9	15.7	15.5
-55°	15.1	15.2	15.3	15.3	15.3	15.2	15.1	15.0	14.9	14.7	14.5
-57.5°	14.1	14.1	14.2	14.2	14.2	14.1	14.1	14.0	13.8	13.7	13.5
-60°	13.0	13.0	13.1	13.1	13.1	13.0	13.0	12.9	12.8	12.6	12.4
-62.5°	11.9	12.0	12.0	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4
-65°	10.8	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.4
-67.5°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.6	9.4	9.3
-70°	8.6	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.3
-72.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.3
-75°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
-77.5°	6.5	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1
-80°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
-85°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
-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°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.8
85°	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
82.5°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3
80°	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1
77.5°	5.9	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.2	4.0	3.9
75°	6.6	6.6	6.6	6.6	6.6	6.6	6.4	6.0	5.7	5.3	4.9
72.5°	7.2	7.1	6.9	6.8	6.6	6.6	6.6	6.6	6.6	6.6	6.4
70°	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.9	6.7	6.6	6.6
67.5°	9.2	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
65°	10.2	10.0	9.8	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6
62.5°	11.2	11.0	10.8	10.5	10.3	10.0	9.7	9.4	9.0	8.7	8.3
60°	12.2	12.0	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.4	9.0
57.5°	13.2	13.0	12.7	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.7
55°	14.3	14.0	13.7	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.4
52.5°	15.3	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.1	11.6	11.1
50°	16.2	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.3	11.8
47.5°	16.4	16.4	16.4	16.1	15.7	15.2	14.7	14.2	13.6	13.0	12.5
45°	17.1	16.7	16.4	16.4	16.4	16.0	15.5	14.9	14.3	13.7	13.1
42.5°	18.1	17.7	17.2	16.8	16.4	16.4	16.2	15.7	15.0	14.4	13.7
40°	19.1	18.6	18.1	17.6	17.1	16.5	16.4	16.4	15.7	15.0	14.3
37.5°	20.3	19.5	19.0	18.5	17.9	17.3	16.6	16.4	16.4	15.7	14.9
35°	22.2	21.1	20.1	19.3	18.7	18.0	17.3	16.6	16.4	16.2	15.5
32.5°	25.0	23.4	21.7	20.5	19.4	18.8	18.0	17.3	16.5	16.4	16.0
30°	30.3	26.8	24.1	22.1	20.6	19.4	18.7	17.9	17.1	16.4	16.4
27.5°	37.4	31.8	27.8	24.3	22.1	20.5	19.3	18.5	17.6	16.8	16.4
25°	48.5	39.0	32.6	27.8	24.1	21.7	20.1	19.0	18.1	17.2	16.4
22.5°	64.3	50.1	39.0	31.8	26.8	23.4	21.1	19.5	18.6	17.7	16.7
20°	99.7	64.3	48.5	37.4	30.3	25.0	22.2	20.3	19.1	18.1	17.1
17.5°	189.7	93.7	59.6	43.7	34.4	27.9	23.6	21.1	19.5	18.5	17.5
15°	268.9	159.5	76.6	52.9	38.7	30.5	24.8	21.8	19.9	18.8	17.8
12.5°	319.6	232.2	110.6	61.1	43.3	33.4	26.7	22.8	20.5	19.1	18.0
10°	367.1	280.0	160.6	72.5	49.5	36.2	28.5	23.6	20.9	19.3	18.2
7.5°	418.4	311.9	208.8	88.6	54.5	38.5	29.9	24.3	21.3	19.5	18.4
5°	456.5	335.5	238.2	103.4	58.2	40.2	30.9	24.7	21.6	19.6	18.5
2.5°	480.0	349.9	256.0	118.8	60.4	41.2	31.5	25.0	21.7	19.7	18.6
0°	488.0	354.8	262.0	123.9	61.1	41.5	31.7	25.1	21.8	19.7	18.6
-2.5°	480.0	349.9	256.0	118.8	60.4	41.2	31.5	25.0	21.7	19.7	18.6
-5°	456.5	335.5	238.2	103.4	58.2	40.2	30.9	24.7	21.6	19.6	18.5
-7.5°	418.4	311.9	208.8	88.6	54.5	38.5	29.9	24.3	21.3	19.5	18.4
-10°	367.1	280.0	160.6	72.5	49.5	36.2	28.5	23.6	20.9	19.3	18.2
-12.5°	319.6	232.2	110.6	61.1	43.3	33.4	26.7	22.8	20.5	19.1	18.0
-15°	268.9	159.5	76.6	52.9	38.7	30.5	24.8	21.8	19.9	18.8	17.8
-17.5°	189.7	93.7	59.6	43.7	34.4	27.9	23.6	21.1	19.5	18.5	17.5
-20°	99.7	64.3	48.5	37.4	30.3	25.0	22.2	20.3	19.1	18.1	17.1



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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°	64.3	50.1	39.0	31.8	26.8	23.4	21.1	19.5	18.6	17.7	16.7
-25°	48.5	39.0	32.6	27.8	24.1	21.7	20.1	19.0	18.1	17.2	16.4
-27.5°	37.4	31.8	27.8	24.3	22.1	20.5	19.3	18.5	17.6	16.8	16.4
-30°	30.3	26.8	24.1	22.1	20.6	19.4	18.7	17.9	17.1	16.4	16.4
-32.5°	25.0	23.4	21.7	20.5	19.4	18.8	18.0	17.3	16.5	16.4	16.0
-35°	22.2	21.1	20.1	19.3	18.7	18.0	17.3	16.6	16.4	16.2	15.5
-37.5°	20.3	19.5	19.0	18.5	17.9	17.3	16.6	16.4	16.4	15.7	14.9
-40°	19.1	18.6	18.1	17.6	17.1	16.5	16.4	16.4	15.7	15.0	14.3
-42.5°	18.1	17.7	17.2	16.8	16.4	16.4	16.2	15.7	15.0	14.4	13.7
-45°	17.1	16.7	16.4	16.4	16.4	16.0	15.5	14.9	14.3	13.7	13.1
-47.5°	16.4	16.4	16.4	16.1	15.7	15.2	14.7	14.2	13.6	13.0	12.5
-50°	16.2	15.9	15.6	15.2	14.8	14.3	13.9	13.4	12.9	12.3	11.8
-52.5°	15.3	15.0	14.6	14.3	13.9	13.5	13.1	12.6	12.1	11.6	11.1
-55°	14.3	14.0	13.7	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.4
-57.5°	13.2	13.0	12.7	12.4	12.1	11.8	11.4	11.0	10.6	10.2	9.7
-60°	12.2	12.0	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.4	9.0
-62.5°	11.2	11.0	10.8	10.5	10.3	10.0	9.7	9.4	9.0	8.7	8.3
-65°	10.2	10.0	9.8	9.6	9.3	9.1	8.8	8.5	8.2	7.9	7.6
-67.5°	9.2	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
-70°	8.1	8.0	7.8	7.7	7.5	7.3	7.1	6.9	6.7	6.6	6.6
-72.5°	7.2	7.1	6.9	6.8	6.6	6.6	6.6	6.6	6.6	6.6	6.4
-75°	6.6	6.6	6.6	6.6	6.6	6.6	6.4	6.0	5.7	5.3	4.9
-77.5°	5.9	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.2	4.0	3.9
-80°	4.1	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1
-82.5°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3
-85°	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
-87.5°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	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):**

	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°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3
85°	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7
82.5°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
80°	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.3
77.5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.6
75°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
72.5°	5.9	5.4	4.9	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
70°	6.6	6.6	6.2	5.6	4.9	4.3	4.0	3.7	3.3	3.0	2.6
67.5°	6.6	6.6	6.6	6.6	6.0	5.3	4.6	4.1	3.7	3.3	2.9
65°	7.2	6.9	6.6	6.6	6.6	6.3	5.5	4.7	4.1	3.7	3.2
62.5°	7.9	7.5	7.1	6.7	6.6	6.6	6.4	5.5	4.6	4.0	3.5
60°	8.6	8.1	7.7	7.3	6.8	6.6	6.6	6.3	5.3	4.3	3.8
57.5°	9.3	8.8	8.3	7.8	7.3	6.8	6.6	6.6	6.0	4.9	4.1
55°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.6	6.6	5.6	4.4
52.5°	10.6	10.0	9.5	8.9	8.3	7.7	7.1	6.6	6.6	6.2	4.9
50°	11.2	10.6	10.0	9.4	8.8	8.1	7.5	6.9	6.6	6.6	5.4
47.5°	11.8	11.2	10.6	9.9	9.3	8.6	7.9	7.2	6.6	6.6	5.9
45°	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.9	6.6	6.4
42.5°	13.0	12.3	11.6	10.9	10.2	9.4	8.7	7.9	7.2	6.6	6.6
40°	13.6	12.9	12.1	11.4	10.6	9.8	9.0	8.2	7.4	6.7	6.6
37.5°	14.2	13.4	12.6	11.8	11.0	10.2	9.4	8.5	7.7	6.9	6.6
35°	14.7	13.9	13.1	12.2	11.4	10.5	9.7	8.8	7.9	7.1	6.6
32.5°	15.2	14.3	13.5	12.6	11.8	10.9	10.0	9.1	8.2	7.3	6.6
30°	15.7	14.8	13.9	13.0	12.1	11.2	10.3	9.3	8.4	7.5	6.6
27.5°	16.1	15.2	14.3	13.4	12.4	11.5	10.5	9.6	8.6	7.7	6.8
25°	16.4	15.6	14.6	13.7	12.7	11.8	10.8	9.8	8.8	7.8	6.9
22.5°	16.4	15.9	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.1
20°	16.4	16.2	15.3	14.3	13.2	12.2	11.2	10.2	9.2	8.1	7.2
17.5°	16.5	16.4	15.5	14.5	13.5	12.4	11.4	10.4	9.3	8.3	7.3
15°	16.7	16.4	15.7	14.7	13.7	12.6	11.6	10.5	9.4	8.4	7.4
12.5°	17.0	16.4	15.9	14.9	13.8	12.8	11.7	10.6	9.6	8.5	7.4
10°	17.2	16.4	16.1	15.0	14.0	12.9	11.8	10.7	9.6	8.6	7.5
7.5°	17.3	16.4	16.2	15.1	14.1	13.0	11.9	10.8	9.7	8.6	7.5
5°	17.4	16.4	16.3	15.2	14.1	13.0	12.0	10.9	9.8	8.7	7.6
2.5°	17.5	16.4	16.4	15.3	14.2	13.1	12.0	10.9	9.8	8.7	7.6
0°	17.5	16.4	16.4	15.3	14.2	13.1	12.0	10.9	9.8	8.7	7.6
-2.5°	17.5	16.4	16.4	15.3	14.2	13.1	12.0	10.9	9.8	8.7	7.6
-5°	17.4	16.4	16.3	15.2	14.1	13.0	12.0	10.9	9.8	8.7	7.6
-7.5°	17.3	16.4	16.2	15.1	14.1	13.0	11.9	10.8	9.7	8.6	7.5
-10°	17.2	16.4	16.1	15.0	14.0	12.9	11.8	10.7	9.6	8.6	7.5
-12.5°	17.0	16.4	15.9	14.9	13.8	12.8	11.7	10.6	9.6	8.5	7.4
-15°	16.7	16.4	15.7	14.7	13.7	12.6	11.6	10.5	9.4	8.4	7.4
-17.5°	16.5	16.4	15.5	14.5	13.5	12.4	11.4	10.4	9.3	8.3	7.3
-20°	16.4	16.2	15.3	14.3	13.2	12.2	11.2	10.2	9.2	8.1	7.2



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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°	16.4	15.9	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.1
-25°	16.4	15.6	14.6	13.7	12.7	11.8	10.8	9.8	8.8	7.8	6.9
-27.5°	16.1	15.2	14.3	13.4	12.4	11.5	10.5	9.6	8.6	7.7	6.8
-30°	15.7	14.8	13.9	13.0	12.1	11.2	10.3	9.3	8.4	7.5	6.6
-32.5°	15.2	14.3	13.5	12.6	11.8	10.9	10.0	9.1	8.2	7.3	6.6
-35°	14.7	13.9	13.1	12.2	11.4	10.5	9.7	8.8	7.9	7.1	6.6
-37.5°	14.2	13.4	12.6	11.8	11.0	10.2	9.4	8.5	7.7	6.9	6.6
-40°	13.6	12.9	12.1	11.4	10.6	9.8	9.0	8.2	7.4	6.7	6.6
-42.5°	13.0	12.3	11.6	10.9	10.2	9.4	8.7	7.9	7.2	6.6	6.6
-45°	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.9	6.6	6.4
-47.5°	11.8	11.2	10.6	9.9	9.3	8.6	7.9	7.2	6.6	6.6	5.9
-50°	11.2	10.6	10.0	9.4	8.8	8.1	7.5	6.9	6.6	6.6	5.4
-52.5°	10.6	10.0	9.5	8.9	8.3	7.7	7.1	6.6	6.6	6.2	4.9
-55°	9.9	9.4	8.9	8.4	7.8	7.3	6.7	6.6	6.6	5.6	4.4
-57.5°	9.3	8.8	8.3	7.8	7.3	6.8	6.6	6.6	6.0	4.9	4.1
-60°	8.6	8.1	7.7	7.3	6.8	6.6	6.6	6.3	5.3	4.3	3.8
-62.5°	7.9	7.5	7.1	6.7	6.6	6.6	6.4	5.5	4.6	4.0	3.5
-65°	7.2	6.9	6.6	6.6	6.6	6.3	5.5	4.7	4.1	3.7	3.2
-67.5°	6.6	6.6	6.6	6.6	6.0	5.3	4.6	4.1	3.7	3.3	2.9
-70°	6.6	6.6	6.2	5.6	4.9	4.3	4.0	3.7	3.3	3.0	2.6
-72.5°	5.9	5.4	4.9	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
-75°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.2	2.0
-77.5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.6
-80°	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.3
-82.5°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
-85°	1.5	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7
-87.5°	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	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):**

	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°	0.3	0.2	0.2	0.1	0.1	0.0	0.0
85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
80°	1.1	0.9	0.8	0.6	0.4	0.2	0.0
77.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
75°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
72.5°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
70°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
67.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
65°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
62.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
60°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
57.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
55°	3.8	3.1	2.5	1.9	1.3	0.6	0.0
52.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
50°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
47.5°	4.5	3.7	3.0	2.2	1.5	0.7	0.0
45°	4.9	3.9	3.1	2.3	1.6	0.8	0.0
42.5°	5.3	4.0	3.2	2.4	1.6	0.8	0.0
40°	5.7	4.2	3.4	2.5	1.7	0.8	0.0
37.5°	6.0	4.4	3.5	2.6	1.7	0.9	0.0
35°	6.4	4.6	3.6	2.7	1.8	0.9	0.0
32.5°	6.6	4.9	3.7	2.8	1.9	0.9	0.0
30°	6.6	5.1	3.8	2.9	1.9	1.0	0.0
27.5°	6.6	5.3	3.9	2.9	2.0	1.0	0.0
25°	6.6	5.6	4.0	3.0	2.0	1.0	0.0
22.5°	6.6	5.8	4.1	3.0	2.0	1.0	0.0
20°	6.6	5.9	4.1	3.1	2.1	1.0	0.0
17.5°	6.6	6.1	4.2	3.1	2.1	1.0	0.0
15°	6.6	6.2	4.2	3.2	2.1	1.1	0.0
12.5°	6.6	6.3	4.3	3.2	2.1	1.1	0.0
10°	6.6	6.4	4.3	3.2	2.2	1.1	0.0
7.5°	6.6	6.5	4.4	3.3	2.2	1.1	0.0
5°	6.6	6.6	4.4	3.3	2.2	1.1	0.0
2.5°	6.6	6.6	4.4	3.3	2.2	1.1	0.0
0°	6.6	6.6	4.4	3.3	2.2	1.1	0.0
-2.5°	6.6	6.6	4.4	3.3	2.2	1.1	0.0
-5°	6.6	6.6	4.4	3.3	2.2	1.1	0.0
-7.5°	6.6	6.5	4.4	3.3	2.2	1.1	0.0
-10°	6.6	6.4	4.3	3.2	2.2	1.1	0.0
-12.5°	6.6	6.3	4.3	3.2	2.1	1.1	0.0
-15°	6.6	6.2	4.2	3.2	2.1	1.1	0.0
-17.5°	6.6	6.1	4.2	3.1	2.1	1.0	0.0
-20°	6.6	5.9	4.1	3.1	2.1	1.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	6.6	5.8	4.1	3.0	2.0	1.0	0.0
-25°	6.6	5.6	4.0	3.0	2.0	1.0	0.0
-27.5°	6.6	5.3	3.9	2.9	2.0	1.0	0.0
-30°	6.6	5.1	3.8	2.9	1.9	1.0	0.0
-32.5°	6.6	4.9	3.7	2.8	1.9	0.9	0.0
-35°	6.4	4.6	3.6	2.7	1.8	0.9	0.0
-37.5°	6.0	4.4	3.5	2.6	1.7	0.9	0.0
-40°	5.7	4.2	3.4	2.5	1.7	0.8	0.0
-42.5°	5.3	4.0	3.2	2.4	1.6	0.8	0.0
-45°	4.9	3.9	3.1	2.3	1.6	0.8	0.0
-47.5°	4.5	3.7	3.0	2.2	1.5	0.7	0.0
-50°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-52.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
-55°	3.8	3.1	2.5	1.9	1.3	0.6	0.0
-57.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-60°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
-62.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-65°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-67.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-70°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
-72.5°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-75°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
-77.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
-80°	1.1	0.9	0.8	0.6	0.4	0.2	0.0
-82.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-85°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-87.5°	0.3	0.2	0.2	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)