

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: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220322 (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]-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

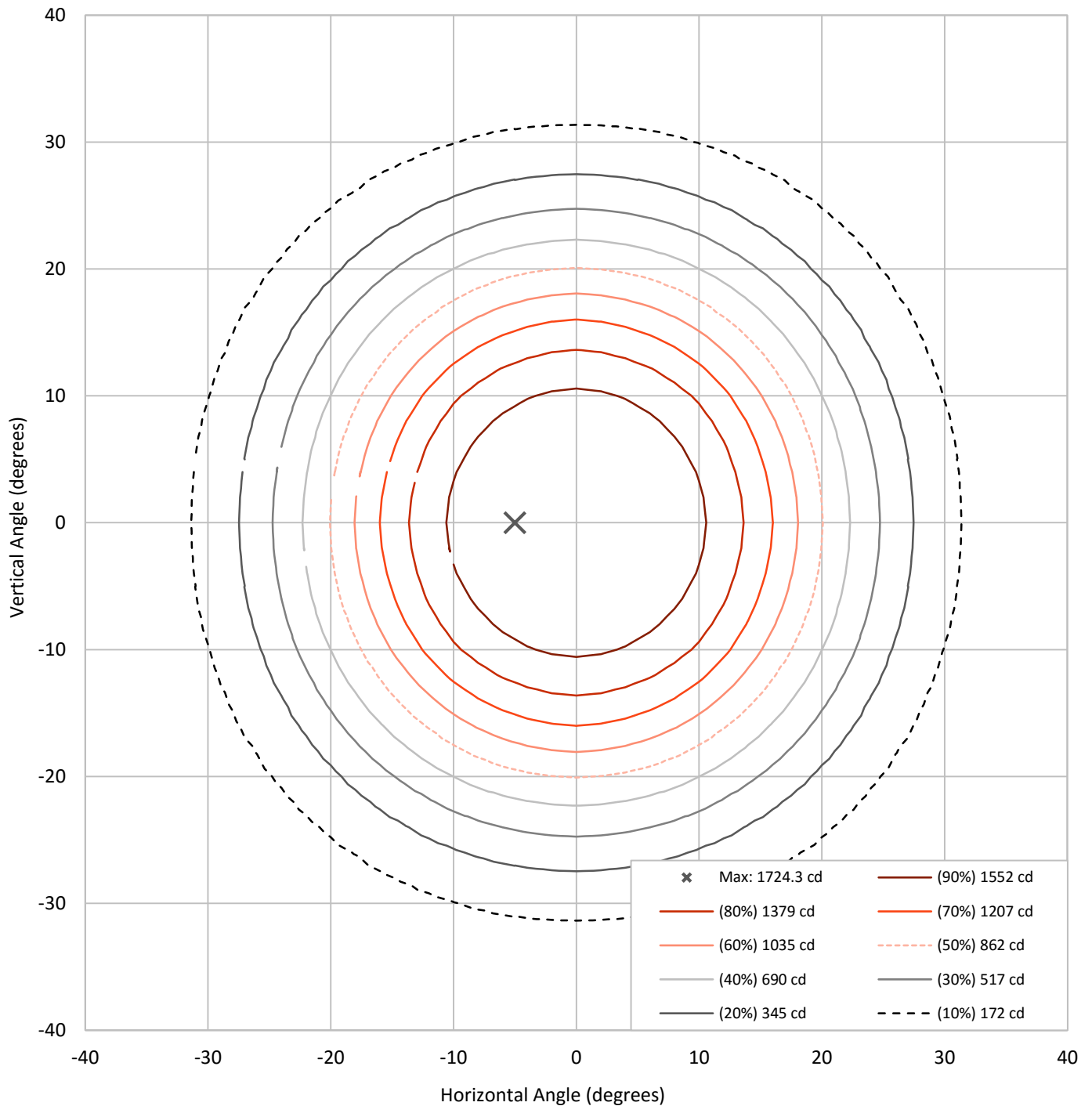
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	833.9 lumens	Max Intensity:	1724.3 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	83.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.2°H x 39°V	Field Angle (10%):	62.7°H x 62.1°V
Beam Lumens:	514.7 lumens	Field Lumens:	744.6 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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Iso-Candela Plot





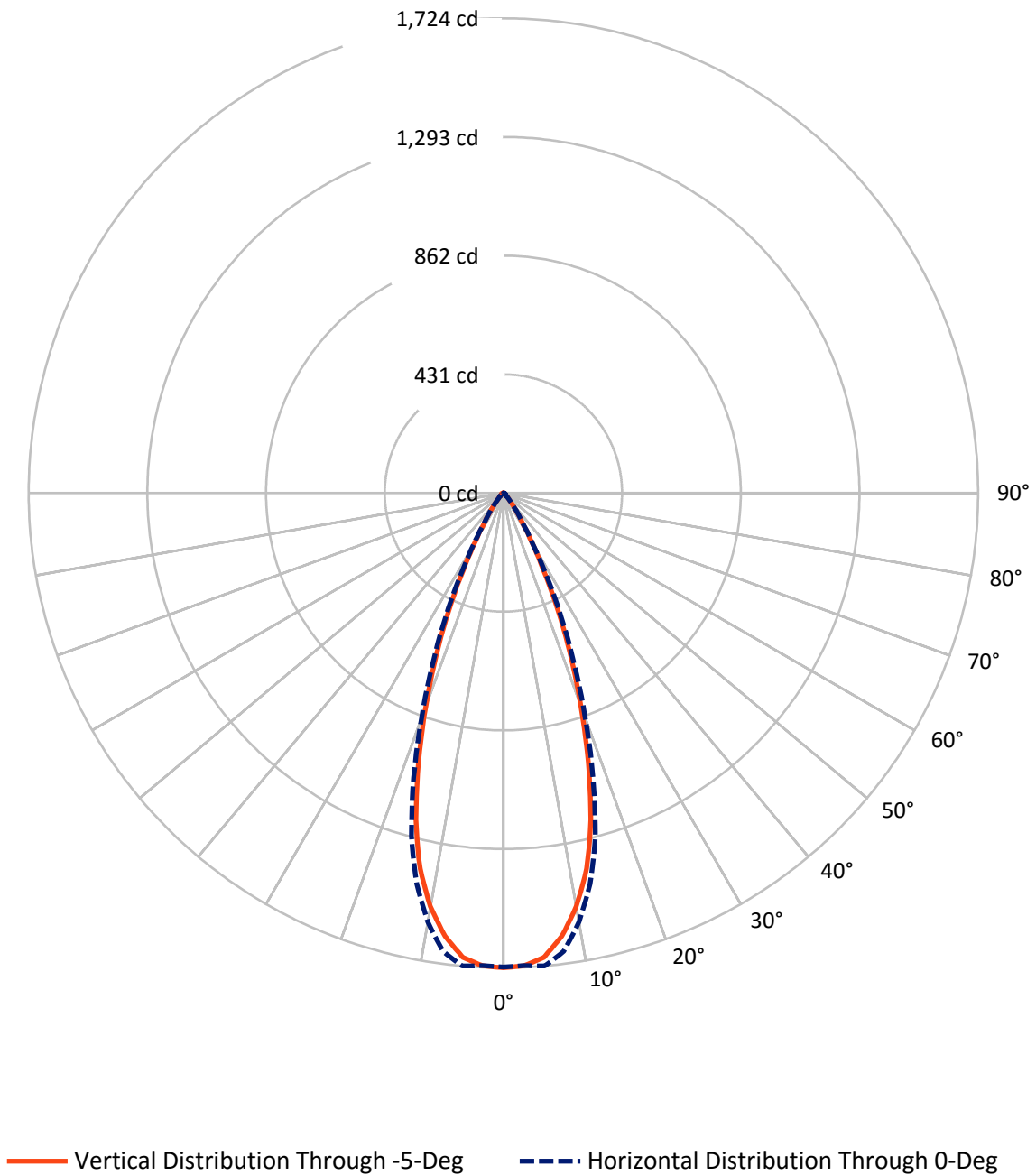
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Lumen Table

90	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										
70	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			
60		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				
50	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			
40		0.1	0.1	0.2	0.4	0.9	1.9	2.9	2.9	1.9	0.9	0.4	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.3	0.8	2.9	8.4	14.3	14.3	8.4	2.9	0.8	0.3	0.1	0.1	0.1			
20		0.1	0.2	0.4	1.6	7.9	22.9	35.9	35.9	22.9	7.9	1.6	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.4	2.4	13.1	34.9	49.7	49.7	34.9	13.1	2.4	0.4	0.2	0.1	0.1			
0		0.1	0.2	0.4	2.4	13.1	34.9	49.7	49.7	34.9	13.1	2.4	0.4	0.2	0.1				
-10	0.1	0.1	0.2	0.4	2.4	13.1	34.9	49.7	49.7	34.9	13.1	2.4	0.4	0.2	0.1	0.1			
-20		0.1	0.2	0.4	1.6	7.9	22.9	35.9	35.9	22.9	7.9	1.6	0.4	0.2	0.1				
-30	0.1	0.1	0.1	0.3	0.8	2.9	8.4	14.3	14.3	8.4	2.9	0.8	0.3	0.1	0.1	0.1			
-40		0.1	0.1	0.2	0.4	0.9	1.9	2.9	2.9	1.9	0.9	0.4	0.2	0.1	0.1				
-50	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			
-60		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				
-70	0.0	0.1	0.2	0.4	1.6	7.9	22.9	35.9	35.9	22.9	7.9	1.6	0.4	0.2	0.1	0.0			
-80		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				
-90	0.0	0.1	0.2	0.3	0.4	0.3	0.2	0.1	0.0										

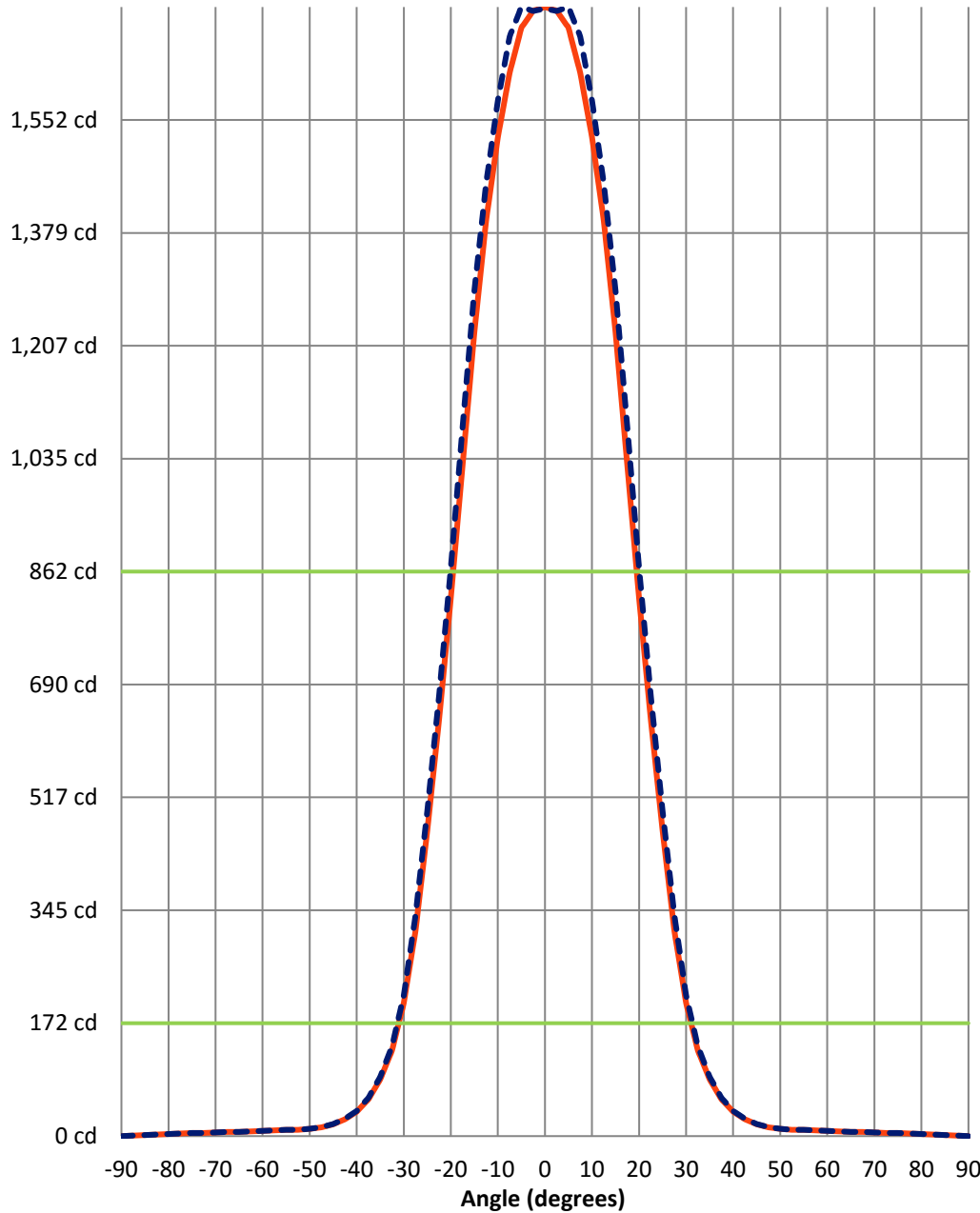
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 40.2°
V Angle: 39°
Lumens: 514.7
Efficiency: 61.7%

Field:
H Angle: 62.7°
V Angle: 62.1°
Lumens: 744.6
Efficiency: 89.3%

Spill:
Lumens: 89.3
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	1.2	1.3
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
70°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.7
67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3
62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.6
60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
55°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
52.5°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.8
50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	4.8
47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	4.8
45°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	4.8	4.8
42.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.7	4.8	5.0
40°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.8	4.8	5.2
37.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	4.8	4.9	5.5
35°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	4.8	5.0	5.7
32.5°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	4.8	5.2	5.9
30°	0.0	0.7	1.4	2.1	2.8	3.5	4.1	4.8	4.8	5.4	6.1
27.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.8	4.9	5.5	6.2
25°	0.0	0.7	1.4	2.2	2.9	3.6	4.3	4.8	5.0	5.7	6.4
22.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	4.8	5.1	5.8	6.4
20°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	4.8	5.2	5.9	6.4
17.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	4.8	5.3	6.0	6.4
15°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.8	5.4	6.1	6.4
12.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	4.8	5.4	6.2	6.4
10°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	4.8	5.5	6.3	6.4
7.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.5	6.3	6.4
5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.6	6.4	6.4
2.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.6	6.4	6.4
0°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.6	6.4	6.4
-2.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.6	6.4	6.4
-5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.6	6.4	6.4
-7.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	4.8	5.5	6.3	6.4
-10°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	4.8	5.5	6.3	6.4
-12.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	4.8	5.4	6.2	6.4
-15°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.8	5.4	6.1	6.4
-17.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	4.8	5.3	6.0	6.4
-20°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	4.8	5.2	5.9	6.4



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-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	1.5	2.2	3.0	3.7	4.4	4.8	5.1	5.8	6.4
-25°	0.0	0.7	1.4	2.2	2.9	3.6	4.3	4.8	5.0	5.7	6.4
-27.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.8	4.9	5.5	6.2
-30°	0.0	0.7	1.4	2.1	2.8	3.5	4.1	4.8	4.8	5.4	6.1
-32.5°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	4.8	5.2	5.9
-35°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	4.8	5.0	5.7
-37.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	4.8	4.9	5.5
-40°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.8	4.8	5.2
-42.5°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.7	4.8	5.0
-45°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	4.8	4.8
-47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	4.8
-50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	4.8
-52.5°	0.0	0.5	1.0	1.5	1.9	2.4	2.9	3.4	3.8	4.3	4.8
-55°	0.0	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5
-57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
-60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
-62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.6
-65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3
-67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-70°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.7
-72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.3
-75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.3
-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	1.0	1.1	1.1	1.2	1.2	1.3
82.5°	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
80°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.4	2.5
77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
75°	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5	3.7	3.8
72.5°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.4
70°	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.8	4.8
67.5°	3.3	3.5	3.8	4.1	4.3	4.6	4.8	4.8	4.8	4.8	4.9
65°	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8	5.0	5.2	5.5
62.5°	3.9	4.3	4.6	4.8	4.8	4.8	5.0	5.3	5.6	5.8	6.1
60°	4.3	4.6	4.8	4.8	4.9	5.2	5.5	5.8	6.1	6.4	6.4
57.5°	4.6	4.8	4.8	4.9	5.3	5.7	6.0	6.3	6.4	6.4	6.5
55°	4.8	4.8	4.9	5.3	5.7	6.1	6.4	6.4	6.4	6.7	7.1
52.5°	4.8	4.9	5.3	5.7	6.2	6.4	6.4	6.6	6.9	7.3	7.6
50°	4.8	5.2	5.7	6.1	6.4	6.4	6.6	7.1	7.5	7.8	8.2
47.5°	5.0	5.5	6.0	6.4	6.4	6.6	7.1	7.5	8.0	8.4	8.8
45°	5.3	5.8	6.3	6.4	6.6	7.1	7.5	8.0	8.5	8.9	9.3
42.5°	5.6	6.1	6.4	6.4	6.9	7.5	8.0	8.5	8.9	9.4	9.6
40°	5.8	6.4	6.4	6.7	7.3	7.8	8.4	8.9	9.4	9.6	9.6
37.5°	6.1	6.4	6.5	7.1	7.6	8.2	8.8	9.3	9.6	9.6	10.6
35°	6.3	6.4	6.8	7.4	8.0	8.6	9.2	9.6	9.6	10.5	11.7
32.5°	6.4	6.4	7.0	7.7	8.3	8.9	9.5	9.6	10.2	11.4	13.1
30°	6.4	6.6	7.3	7.9	8.6	9.2	9.6	9.8	11.0	12.7	15.4
27.5°	6.4	6.8	7.5	8.2	8.9	9.5	9.6	10.5	12.0	14.2	18.0
25°	6.4	7.0	7.7	8.4	9.1	9.6	9.8	11.1	13.1	16.5	21.6
22.5°	6.5	7.2	7.9	8.6	9.4	9.6	10.3	12.0	14.5	18.7	25.3
20°	6.6	7.4	8.1	8.8	9.6	9.6	10.8	12.8	16.3	21.8	29.9
17.5°	6.8	7.5	8.3	9.0	9.6	9.8	11.3	13.5	17.9	24.7	34.5
15°	6.9	7.6	8.4	9.2	9.6	10.2	11.9	14.7	19.8	27.6	38.7
12.5°	7.0	7.8	8.5	9.3	9.6	10.5	12.4	15.9	21.8	30.9	44.6
10°	7.1	7.8	8.6	9.4	9.6	10.7	12.8	16.8	23.5	33.6	49.6
7.5°	7.1	7.9	8.7	9.5	9.6	10.9	13.2	17.5	24.8	35.7	53.5
5°	7.2	8.0	8.8	9.6	9.6	11.1	13.4	18.1	25.7	37.3	56.3
2.5°	7.2	8.0	8.8	9.6	9.6	11.2	13.6	18.4	26.3	38.2	58.0
0°	7.2	8.0	8.8	9.6	9.6	11.2	13.6	18.5	26.5	38.5	58.6
-2.5°	7.2	8.0	8.8	9.6	9.6	11.2	13.6	18.4	26.3	38.2	58.0
-5°	7.2	8.0	8.8	9.6	9.6	11.1	13.4	18.1	25.7	37.3	56.3
-7.5°	7.1	7.9	8.7	9.5	9.6	10.9	13.2	17.5	24.8	35.7	53.5
-10°	7.1	7.8	8.6	9.4	9.6	10.7	12.8	16.8	23.5	33.6	49.6
-12.5°	7.0	7.8	8.5	9.3	9.6	10.5	12.4	15.9	21.8	30.9	44.6
-15°	6.9	7.6	8.4	9.2	9.6	10.2	11.9	14.7	19.8	27.6	38.7
-17.5°	6.8	7.5	8.3	9.0	9.6	9.8	11.3	13.5	17.9	24.7	34.5
-20°	6.6	7.4	8.1	8.8	9.6	9.6	10.8	12.8	16.3	21.8	29.9



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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°	6.5	7.2	7.9	8.6	9.4	9.6	10.3	12.0	14.5	18.7	25.3
-25°	6.4	7.0	7.7	8.4	9.1	9.6	9.8	11.1	13.1	16.5	21.6
-27.5°	6.4	6.8	7.5	8.2	8.9	9.5	9.6	10.5	12.0	14.2	18.0
-30°	6.4	6.6	7.3	7.9	8.6	9.2	9.6	9.8	11.0	12.7	15.4
-32.5°	6.4	6.4	7.0	7.7	8.3	8.9	9.5	9.6	10.2	11.4	13.1
-35°	6.3	6.4	6.8	7.4	8.0	8.6	9.2	9.6	9.6	10.5	11.7
-37.5°	6.1	6.4	6.5	7.1	7.6	8.2	8.8	9.3	9.6	9.6	10.6
-40°	5.8	6.4	6.4	6.7	7.3	7.8	8.4	8.9	9.4	9.6	9.6
-42.5°	5.6	6.1	6.4	6.4	6.9	7.5	8.0	8.5	8.9	9.4	9.6
-45°	5.3	5.8	6.3	6.4	6.6	7.1	7.5	8.0	8.5	8.9	9.3
-47.5°	5.0	5.5	6.0	6.4	6.4	6.6	7.1	7.5	8.0	8.4	8.8
-50°	4.8	5.2	5.7	6.1	6.4	6.4	6.6	7.1	7.5	7.8	8.2
-52.5°	4.8	4.9	5.3	5.7	6.2	6.4	6.4	6.6	6.9	7.3	7.6
-55°	4.8	4.8	4.9	5.3	5.7	6.1	6.4	6.4	6.4	6.7	7.1
-57.5°	4.6	4.8	4.8	4.9	5.3	5.7	6.0	6.3	6.4	6.4	6.5
-60°	4.3	4.6	4.8	4.8	4.9	5.2	5.5	5.8	6.1	6.4	6.4
-62.5°	3.9	4.3	4.6	4.8	4.8	4.8	5.0	5.3	5.6	5.8	6.1
-65°	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8	5.0	5.2	5.5
-67.5°	3.3	3.5	3.8	4.1	4.3	4.6	4.8	4.8	4.8	4.8	4.9
-70°	2.9	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7	4.8	4.8
-72.5°	2.6	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.4
-75°	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5	3.7	3.8
-77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-80°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.4	2.5
-82.5°	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
-85°	0.7	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2	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°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6
82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.4
80°	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.1	3.2
77.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.7	4.7
72.5°	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
67.5°	5.0	5.2	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3
65°	5.7	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.3	6.4	6.4	6.4	6.4	6.5	6.6	6.8	6.9	7.0	7.1
60°	6.4	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.6	7.8	7.8
57.5°	6.8	7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5	8.6
55°	7.4	7.7	7.9	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.4
52.5°	8.0	8.3	8.6	8.9	9.1	9.4	9.6	9.6	9.6	9.6	9.6
50°	8.6	8.9	9.2	9.5	9.6	9.6	9.6	9.8	10.2	10.5	10.7
47.5°	9.2	9.5	9.6	9.6	9.8	10.3	10.8	11.3	11.9	12.4	12.8
45°	9.6	9.6	9.8	10.5	11.1	12.0	12.8	13.5	14.7	15.9	16.8
42.5°	9.6	10.2	11.0	12.0	13.1	14.5	16.3	17.9	19.8	21.8	23.5
40°	10.5	11.4	12.7	14.2	16.5	18.7	21.8	24.7	27.6	30.9	33.6
37.5°	11.7	13.1	15.4	18.0	21.6	25.3	29.9	34.5	38.7	44.6	49.6
35°	13.3	15.9	19.1	23.6	28.6	34.6	41.2	49.5	57.0	66.4	75.0
32.5°	15.9	19.6	24.6	30.9	37.8	48.0	58.0	72.1	85.0	98.6	112.2
30°	19.1	24.6	31.7	40.0	52.2	66.8	83.9	103.4	123.7	144.2	169.1
27.5°	23.6	30.9	40.0	53.7	71.5	91.3	117.9	145.7	182.6	214.9	251.5
25°	28.6	37.8	52.2	71.5	94.9	125.3	164.9	209.1	261.8	322.2	379.3
22.5°	34.6	48.0	66.8	91.3	125.3	171.4	225.3	297.3	378.2	459.0	530.7
20°	41.2	58.0	83.9	117.9	164.9	225.3	309.4	409.8	509.8	605.7	690.5
17.5°	49.5	72.1	103.4	145.7	209.1	297.3	409.8	528.1	644.6	759.2	862.1
15°	57.0	85.0	123.7	182.6	261.8	378.2	509.8	644.6	782.8	916.8	1043.0
12.5°	66.4	98.6	144.2	214.9	322.2	459.0	605.7	759.2	916.8	1073.9	1214.2
10°	75.0	112.2	169.1	251.5	379.3	530.7	690.5	862.1	1043.0	1214.2	1354.8
7.5°	81.8	123.0	188.9	286.6	429.7	591.2	765.9	954.6	1149.1	1323.4	1456.0
5°	86.7	130.9	203.3	313.8	466.6	635.8	821.9	1024.5	1227.4	1397.8	1525.4
2.5°	89.7	135.6	212.1	331.8	489.1	663.2	856.5	1068.3	1274.8	1441.0	1567.1
0°	90.7	137.2	215.0	337.8	496.7	672.4	868.2	1083.2	1291.0	1454.7	1581.5
-2.5°	89.7	135.6	212.1	331.8	489.1	663.2	856.5	1068.3	1274.8	1441.0	1567.1
-5°	86.7	130.9	203.3	313.8	466.6	635.8	821.9	1024.5	1227.4	1397.8	1525.4
-7.5°	81.8	123.0	188.9	286.6	429.7	591.2	765.9	954.6	1149.1	1323.4	1456.0
-10°	75.0	112.2	169.1	251.5	379.3	530.7	690.5	862.1	1043.0	1214.2	1354.8
-12.5°	66.4	98.6	144.2	214.9	322.2	459.0	605.7	759.2	916.8	1073.9	1214.2
-15°	57.0	85.0	123.7	182.6	261.8	378.2	509.8	644.6	782.8	916.8	1043.0
-17.5°	49.5	72.1	103.4	145.7	209.1	297.3	409.8	528.1	644.6	759.2	862.1
-20°	41.2	58.0	83.9	117.9	164.9	225.3	309.4	409.8	509.8	605.7	690.5



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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°	34.6	48.0	66.8	91.3	125.3	171.4	225.3	297.3	378.2	459.0	530.7
-25°	28.6	37.8	52.2	71.5	94.9	125.3	164.9	209.1	261.8	322.2	379.3
-27.5°	23.6	30.9	40.0	53.7	71.5	91.3	117.9	145.7	182.6	214.9	251.5
-30°	19.1	24.6	31.7	40.0	52.2	66.8	83.9	103.4	123.7	144.2	169.1
-32.5°	15.9	19.6	24.6	30.9	37.8	48.0	58.0	72.1	85.0	98.6	112.2
-35°	13.3	15.9	19.1	23.6	28.6	34.6	41.2	49.5	57.0	66.4	75.0
-37.5°	11.7	13.1	15.4	18.0	21.6	25.3	29.9	34.5	38.7	44.6	49.6
-40°	10.5	11.4	12.7	14.2	16.5	18.7	21.8	24.7	27.6	30.9	33.6
-42.5°	9.6	10.2	11.0	12.0	13.1	14.5	16.3	17.9	19.8	21.8	23.5
-45°	9.6	9.6	9.8	10.5	11.1	12.0	12.8	13.5	14.7	15.9	16.8
-47.5°	9.2	9.5	9.6	9.6	9.8	10.3	10.8	11.3	11.9	12.4	12.8
-50°	8.6	8.9	9.2	9.5	9.6	9.6	9.6	9.8	10.2	10.5	10.7
-52.5°	8.0	8.3	8.6	8.9	9.1	9.4	9.6	9.6	9.6	9.6	9.6
-55°	7.4	7.7	7.9	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.4
-57.5°	6.8	7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5	8.6
-60°	6.4	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.6	7.8	7.8
-62.5°	6.3	6.4	6.4	6.4	6.4	6.5	6.6	6.8	6.9	7.0	7.1
-65°	5.7	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-67.5°	5.0	5.2	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3
-70°	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
-72.5°	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.7	4.7
-77.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-80°	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.1	3.2
-82.5°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3	2.3	2.4
-85°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6
-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.6
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	5.5	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3
67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.1	6.0
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.8
60°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.8	7.6	7.5
57.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3
55°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0
52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50°	10.9	11.1	11.2	11.2	11.2	11.1	10.9	10.7	10.5	10.2	9.8
47.5°	13.2	13.4	13.6	13.6	13.6	13.4	13.2	12.8	12.4	11.9	11.3
45°	17.5	18.1	18.4	18.5	18.4	18.1	17.5	16.8	15.9	14.7	13.5
42.5°	24.8	25.7	26.3	26.5	26.3	25.7	24.8	23.5	21.8	19.8	17.9
40°	35.7	37.3	38.2	38.5	38.2	37.3	35.7	33.6	30.9	27.6	24.7
37.5°	53.5	56.3	58.0	58.6	58.0	56.3	53.5	49.6	44.6	38.7	34.5
35°	81.8	86.7	89.7	90.7	89.7	86.7	81.8	75.0	66.4	57.0	49.5
32.5°	123.0	130.9	135.6	137.2	135.6	130.9	123.0	112.2	98.6	85.0	72.1
30°	188.9	203.3	212.1	215.0	212.1	203.3	188.9	169.1	144.2	123.7	103.4
27.5°	286.6	313.8	331.8	337.8	331.8	313.8	286.6	251.5	214.9	182.6	145.7
25°	429.7	466.6	489.1	496.7	489.1	466.6	429.7	379.3	322.2	261.8	209.1
22.5°	591.2	635.8	663.2	672.4	663.2	635.8	591.2	530.7	459.0	378.2	297.3
20°	765.9	821.9	856.5	868.2	856.5	821.9	765.9	690.5	605.7	509.8	409.8
17.5°	954.6	1024.5	1068.3	1083.2	1068.3	1024.5	954.6	862.1	759.2	644.6	528.1
15°	1149.1	1227.4	1274.8	1291.0	1274.8	1227.4	1149.1	1043.0	916.8	782.8	644.6
12.5°	1323.4	1397.8	1441.0	1454.7	1441.0	1397.8	1323.4	1214.2	1073.9	916.8	759.2
10°	1456.0	1525.4	1567.1	1581.5	1567.1	1525.4	1456.0	1354.8	1214.2	1043.0	862.1
7.5°	1553.5	1623.7	1666.3	1679.0	1666.3	1623.7	1553.5	1456.0	1323.4	1149.1	954.6
5°	1623.7	1692.5	1718.6	1724.3	1718.6	1692.5	1623.7	1525.4	1397.8	1227.4	1024.5
2.5°	1666.3	1718.6	1722.9	1718.3	1722.9	1718.6	1666.3	1567.1	1441.0	1274.8	1068.3
0°	1679.0	1724.3	1718.3	1721.9	1718.3	1724.3	1679.0	1581.5	1454.7	1291.0	1083.2
-2.5°	1666.3	1718.6	1722.9	1718.3	1722.9	1718.6	1666.3	1567.1	1441.0	1274.8	1068.3
-5°	1623.7	1692.5	1718.6	1724.3	1718.6	1692.5	1623.7	1525.4	1397.8	1227.4	1024.5
-7.5°	1553.5	1623.7	1666.3	1679.0	1666.3	1623.7	1553.5	1456.0	1323.4	1149.1	954.6
-10°	1456.0	1525.4	1567.1	1581.5	1567.1	1525.4	1456.0	1354.8	1214.2	1043.0	862.1
-12.5°	1323.4	1397.8	1441.0	1454.7	1441.0	1397.8	1323.4	1214.2	1073.9	916.8	759.2
-15°	1149.1	1227.4	1274.8	1291.0	1274.8	1227.4	1149.1	1043.0	916.8	782.8	644.6
-17.5°	954.6	1024.5	1068.3	1083.2	1068.3	1024.5	954.6	862.1	759.2	644.6	528.1
-20°	765.9	821.9	856.5	868.2	856.5	821.9	765.9	690.5	605.7	509.8	409.8



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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°	591.2	635.8	663.2	672.4	663.2	635.8	591.2	530.7	459.0	378.2	297.3
-25°	429.7	466.6	489.1	496.7	489.1	466.6	429.7	379.3	322.2	261.8	209.1
-27.5°	286.6	313.8	331.8	337.8	331.8	313.8	286.6	251.5	214.9	182.6	145.7
-30°	188.9	203.3	212.1	215.0	212.1	203.3	188.9	169.1	144.2	123.7	103.4
-32.5°	123.0	130.9	135.6	137.2	135.6	130.9	123.0	112.2	98.6	85.0	72.1
-35°	81.8	86.7	89.7	90.7	89.7	86.7	81.8	75.0	66.4	57.0	49.5
-37.5°	53.5	56.3	58.0	58.6	58.0	56.3	53.5	49.6	44.6	38.7	34.5
-40°	35.7	37.3	38.2	38.5	38.2	37.3	35.7	33.6	30.9	27.6	24.7
-42.5°	24.8	25.7	26.3	26.5	26.3	25.7	24.8	23.5	21.8	19.8	17.9
-45°	17.5	18.1	18.4	18.5	18.4	18.1	17.5	16.8	15.9	14.7	13.5
-47.5°	13.2	13.4	13.6	13.6	13.6	13.4	13.2	12.8	12.4	11.9	11.3
-50°	10.9	11.1	11.2	11.2	11.2	11.1	10.9	10.7	10.5	10.2	9.8
-52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-55°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0
-57.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.4	8.3
-60°	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.8	7.6	7.5
-62.5°	7.1	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.8
-65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.1	6.0
-70°	5.5	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.6
-77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
-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°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
82.5°	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
80°	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
77.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
75°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
72.5°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.4	4.3	4.1	3.9
70°	5.2	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.5
67.5°	5.9	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.8	4.8	4.8
65°	6.4	6.4	6.4	6.2	6.1	5.9	5.7	5.5	5.2	5.0	4.8
62.5°	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.3
60°	7.4	7.2	7.0	6.8	6.6	6.4	6.4	6.4	6.4	6.1	5.8
57.5°	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.4	6.4	6.3
55°	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.1	6.7	6.4	6.4
52.5°	9.6	9.4	9.1	8.9	8.6	8.3	8.0	7.6	7.3	6.9	6.6
50°	9.6	9.6	9.6	9.5	9.2	8.9	8.6	8.2	7.8	7.5	7.1
47.5°	10.8	10.3	9.8	9.6	9.6	9.5	9.2	8.8	8.4	8.0	7.5
45°	12.8	12.0	11.1	10.5	9.8	9.6	9.6	9.3	8.9	8.5	8.0
42.5°	16.3	14.5	13.1	12.0	11.0	10.2	9.6	9.6	9.4	8.9	8.5
40°	21.8	18.7	16.5	14.2	12.7	11.4	10.5	9.6	9.6	9.4	8.9
37.5°	29.9	25.3	21.6	18.0	15.4	13.1	11.7	10.6	9.6	9.6	9.3
35°	41.2	34.6	28.6	23.6	19.1	15.9	13.3	11.7	10.5	9.6	9.6
32.5°	58.0	48.0	37.8	30.9	24.6	19.6	15.9	13.1	11.4	10.2	9.6
30°	83.9	66.8	52.2	40.0	31.7	24.6	19.1	15.4	12.7	11.0	9.8
27.5°	117.9	91.3	71.5	53.7	40.0	30.9	23.6	18.0	14.2	12.0	10.5
25°	164.9	125.3	94.9	71.5	52.2	37.8	28.6	21.6	16.5	13.1	11.1
22.5°	225.3	171.4	125.3	91.3	66.8	48.0	34.6	25.3	18.7	14.5	12.0
20°	309.4	225.3	164.9	117.9	83.9	58.0	41.2	29.9	21.8	16.3	12.8
17.5°	409.8	297.3	209.1	145.7	103.4	72.1	49.5	34.5	24.7	17.9	13.5
15°	509.8	378.2	261.8	182.6	123.7	85.0	57.0	38.7	27.6	19.8	14.7
12.5°	605.7	459.0	322.2	214.9	144.2	98.6	66.4	44.6	30.9	21.8	15.9
10°	690.5	530.7	379.3	251.5	169.1	112.2	75.0	49.6	33.6	23.5	16.8
7.5°	765.9	591.2	429.7	286.6	188.9	123.0	81.8	53.5	35.7	24.8	17.5
5°	821.9	635.8	466.6	313.8	203.3	130.9	86.7	56.3	37.3	25.7	18.1
2.5°	856.5	663.2	489.1	331.8	212.1	135.6	89.7	58.0	38.2	26.3	18.4
0°	868.2	672.4	496.7	337.8	215.0	137.2	90.7	58.6	38.5	26.5	18.5
-2.5°	856.5	663.2	489.1	331.8	212.1	135.6	89.7	58.0	38.2	26.3	18.4
-5°	821.9	635.8	466.6	313.8	203.3	130.9	86.7	56.3	37.3	25.7	18.1
-7.5°	765.9	591.2	429.7	286.6	188.9	123.0	81.8	53.5	35.7	24.8	17.5
-10°	690.5	530.7	379.3	251.5	169.1	112.2	75.0	49.6	33.6	23.5	16.8
-12.5°	605.7	459.0	322.2	214.9	144.2	98.6	66.4	44.6	30.9	21.8	15.9
-15°	509.8	378.2	261.8	182.6	123.7	85.0	57.0	38.7	27.6	19.8	14.7
-17.5°	409.8	297.3	209.1	145.7	103.4	72.1	49.5	34.5	24.7	17.9	13.5
-20°	309.4	225.3	164.9	117.9	83.9	58.0	41.2	29.9	21.8	16.3	12.8



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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°	225.3	171.4	125.3	91.3	66.8	48.0	34.6	25.3	18.7	14.5	12.0
-25°	164.9	125.3	94.9	71.5	52.2	37.8	28.6	21.6	16.5	13.1	11.1
-27.5°	117.9	91.3	71.5	53.7	40.0	30.9	23.6	18.0	14.2	12.0	10.5
-30°	83.9	66.8	52.2	40.0	31.7	24.6	19.1	15.4	12.7	11.0	9.8
-32.5°	58.0	48.0	37.8	30.9	24.6	19.6	15.9	13.1	11.4	10.2	9.6
-35°	41.2	34.6	28.6	23.6	19.1	15.9	13.3	11.7	10.5	9.6	9.6
-37.5°	29.9	25.3	21.6	18.0	15.4	13.1	11.7	10.6	9.6	9.6	9.3
-40°	21.8	18.7	16.5	14.2	12.7	11.4	10.5	9.6	9.6	9.4	8.9
-42.5°	16.3	14.5	13.1	12.0	11.0	10.2	9.6	9.6	9.4	8.9	8.5
-45°	12.8	12.0	11.1	10.5	9.8	9.6	9.6	9.3	8.9	8.5	8.0
-47.5°	10.8	10.3	9.8	9.6	9.6	9.5	9.2	8.8	8.4	8.0	7.5
-50°	9.6	9.6	9.6	9.5	9.2	8.9	8.6	8.2	7.8	7.5	7.1
-52.5°	9.6	9.4	9.1	8.9	8.6	8.3	8.0	7.6	7.3	6.9	6.6
-55°	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.1	6.7	6.4	6.4
-57.5°	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.4	6.4	6.3
-60°	7.4	7.2	7.0	6.8	6.6	6.4	6.4	6.4	6.4	6.4	6.1
-62.5°	6.6	6.5	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.3
-65°	6.4	6.4	6.4	6.2	6.1	5.9	5.7	5.5	5.2	5.0	4.8
-67.5°	5.9	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.8	4.8	4.8
-70°	5.2	5.1	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.5
-72.5°	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.4	4.3	4.1	3.9
-75°	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
-77.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-80°	3.0	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
-82.5°	2.3	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
-85°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1
-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	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
80°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
77.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
75°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
72.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1	1.9	1.7
70°	4.3	4.1	3.8	3.6	3.4	3.2	2.9	2.7	2.4	2.1	1.9
67.5°	4.8	4.6	4.3	4.1	3.8	3.5	3.3	3.0	2.7	2.4	2.1
65°	4.8	4.8	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
62.5°	5.0	4.8	4.8	4.8	4.6	4.3	3.9	3.6	3.3	2.9	2.6
60°	5.5	5.2	4.9	4.8	4.8	4.6	4.3	3.9	3.5	3.2	2.8
57.5°	6.0	5.7	5.3	4.9	4.8	4.8	4.6	4.2	3.8	3.4	3.0
55°	6.4	6.1	5.7	5.3	4.9	4.8	4.8	4.5	4.1	3.6	3.2
52.5°	6.4	6.4	6.2	5.7	5.3	4.9	4.8	4.8	4.3	3.8	3.4
50°	6.6	6.4	6.4	6.1	5.7	5.2	4.8	4.8	4.6	4.1	3.6
47.5°	7.1	6.6	6.4	6.4	6.0	5.5	5.0	4.8	4.8	4.3	3.8
45°	7.5	7.1	6.6	6.4	6.3	5.8	5.3	4.8	4.8	4.5	3.9
42.5°	8.0	7.5	6.9	6.4	6.4	6.1	5.6	5.0	4.8	4.7	4.1
40°	8.4	7.8	7.3	6.7	6.4	6.4	5.8	5.2	4.8	4.8	4.3
37.5°	8.8	8.2	7.6	7.1	6.5	6.4	6.1	5.5	4.9	4.8	4.4
35°	9.2	8.6	8.0	7.4	6.8	6.4	6.3	5.7	5.0	4.8	4.6
32.5°	9.5	8.9	8.3	7.7	7.0	6.4	6.4	5.9	5.2	4.8	4.7
30°	9.6	9.2	8.6	7.9	7.3	6.6	6.4	6.1	5.4	4.8	4.8
27.5°	9.6	9.5	8.9	8.2	7.5	6.8	6.4	6.2	5.5	4.9	4.8
25°	9.8	9.6	9.1	8.4	7.7	7.0	6.4	6.4	5.7	5.0	4.8
22.5°	10.3	9.6	9.4	8.6	7.9	7.2	6.5	6.4	5.8	5.1	4.8
20°	10.8	9.6	9.6	8.8	8.1	7.4	6.6	6.4	5.9	5.2	4.8
17.5°	11.3	9.8	9.6	9.0	8.3	7.5	6.8	6.4	6.0	5.3	4.8
15°	11.9	10.2	9.6	9.2	8.4	7.6	6.9	6.4	6.1	5.4	4.8
12.5°	12.4	10.5	9.6	9.3	8.5	7.8	7.0	6.4	6.2	5.4	4.8
10°	12.8	10.7	9.6	9.4	8.6	7.8	7.1	6.4	6.3	5.5	4.8
7.5°	13.2	10.9	9.6	9.5	8.7	7.9	7.1	6.4	6.3	5.5	4.8
5°	13.4	11.1	9.6	9.6	8.8	8.0	7.2	6.4	6.4	5.6	4.8
2.5°	13.6	11.2	9.6	9.6	8.8	8.0	7.2	6.4	6.4	5.6	4.8
0°	13.6	11.2	9.6	9.6	8.8	8.0	7.2	6.4	6.4	5.6	4.8
-2.5°	13.6	11.2	9.6	9.6	8.8	8.0	7.2	6.4	6.4	5.6	4.8
-5°	13.4	11.1	9.6	9.6	8.8	8.0	7.2	6.4	6.4	5.6	4.8
-7.5°	13.2	10.9	9.6	9.5	8.7	7.9	7.1	6.4	6.3	5.5	4.8
-10°	12.8	10.7	9.6	9.4	8.6	7.8	7.1	6.4	6.3	5.5	4.8
-12.5°	12.4	10.5	9.6	9.3	8.5	7.8	7.0	6.4	6.2	5.4	4.8
-15°	11.9	10.2	9.6	9.2	8.4	7.6	6.9	6.4	6.1	5.4	4.8
-17.5°	11.3	9.8	9.6	9.0	8.3	7.5	6.8	6.4	6.0	5.3	4.8
-20°	10.8	9.6	9.6	8.8	8.1	7.4	6.6	6.4	5.9	5.2	4.8



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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°	10.3	9.6	9.4	8.6	7.9	7.2	6.5	6.4	5.8	5.1	4.8
-25°	9.8	9.6	9.1	8.4	7.7	7.0	6.4	6.4	5.7	5.0	4.8
-27.5°	9.6	9.5	8.9	8.2	7.5	6.8	6.4	6.2	5.5	4.9	4.8
-30°	9.6	9.2	8.6	7.9	7.3	6.6	6.4	6.1	5.4	4.8	4.8
-32.5°	9.5	8.9	8.3	7.7	7.0	6.4	6.4	5.9	5.2	4.8	4.7
-35°	9.2	8.6	8.0	7.4	6.8	6.4	6.3	5.7	5.0	4.8	4.6
-37.5°	8.8	8.2	7.6	7.1	6.5	6.4	6.1	5.5	4.9	4.8	4.4
-40°	8.4	7.8	7.3	6.7	6.4	6.4	5.8	5.2	4.8	4.8	4.3
-42.5°	8.0	7.5	6.9	6.4	6.4	6.1	5.6	5.0	4.8	4.7	4.1
-45°	7.5	7.1	6.6	6.4	6.3	5.8	5.3	4.8	4.8	4.5	3.9
-47.5°	7.1	6.6	6.4	6.4	6.0	5.5	5.0	4.8	4.8	4.3	3.8
-50°	6.6	6.4	6.4	6.1	5.7	5.2	4.8	4.8	4.6	4.1	3.6
-52.5°	6.4	6.4	6.2	5.7	5.3	4.9	4.8	4.8	4.3	3.8	3.4
-55°	6.4	6.1	5.7	5.3	4.9	4.8	4.8	4.5	4.1	3.6	3.2
-57.5°	6.0	5.7	5.3	4.9	4.8	4.8	4.6	4.2	3.8	3.4	3.0
-60°	5.5	5.2	4.9	4.8	4.8	4.6	4.3	3.9	3.5	3.2	2.8
-62.5°	5.0	4.8	4.8	4.8	4.6	4.3	3.9	3.6	3.3	2.9	2.6
-65°	4.8	4.8	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
-67.5°	4.8	4.6	4.3	4.1	3.8	3.5	3.3	3.0	2.7	2.4	2.1
-70°	4.3	4.1	3.8	3.6	3.4	3.2	2.9	2.7	2.4	2.1	1.9
-72.5°	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1	1.9	1.7
-75°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.4
-77.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-80°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
-82.5°	1.6	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
-85°	1.1	1.0	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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
72.5°	1.4	1.2	1.0	0.7	0.5	0.2	0.0
70°	1.6	1.4	1.1	0.8	0.5	0.3	0.0
67.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
65°	2.0	1.7	1.3	1.0	0.7	0.3	0.0
62.5°	2.2	1.8	1.5	1.1	0.7	0.4	0.0
60°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
57.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
55°	2.7	2.3	1.8	1.4	0.9	0.5	0.0
52.5°	2.9	2.4	1.9	1.5	1.0	0.5	0.0
50°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
47.5°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
45°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
42.5°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
40°	3.7	3.1	2.4	1.8	1.2	0.6	0.0
37.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
35°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
32.5°	4.0	3.4	2.7	2.0	1.3	0.7	0.0
30°	4.1	3.5	2.8	2.1	1.4	0.7	0.0
27.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
25°	4.3	3.6	2.9	2.2	1.4	0.7	0.0
22.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
20°	4.5	3.8	3.0	2.3	1.5	0.8	0.0
17.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
15°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
12.5°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
10°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
7.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
2.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
0°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-2.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-7.5°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-10°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
-12.5°	4.7	3.9	3.1	2.3	1.6	0.8	0.0
-15°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
-17.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-20°	4.5	3.8	3.0	2.3	1.5	0.8	0.0



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CANDELA DISTRIBUTION (continued):

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