

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: P220326 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220326 (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]-LED3097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

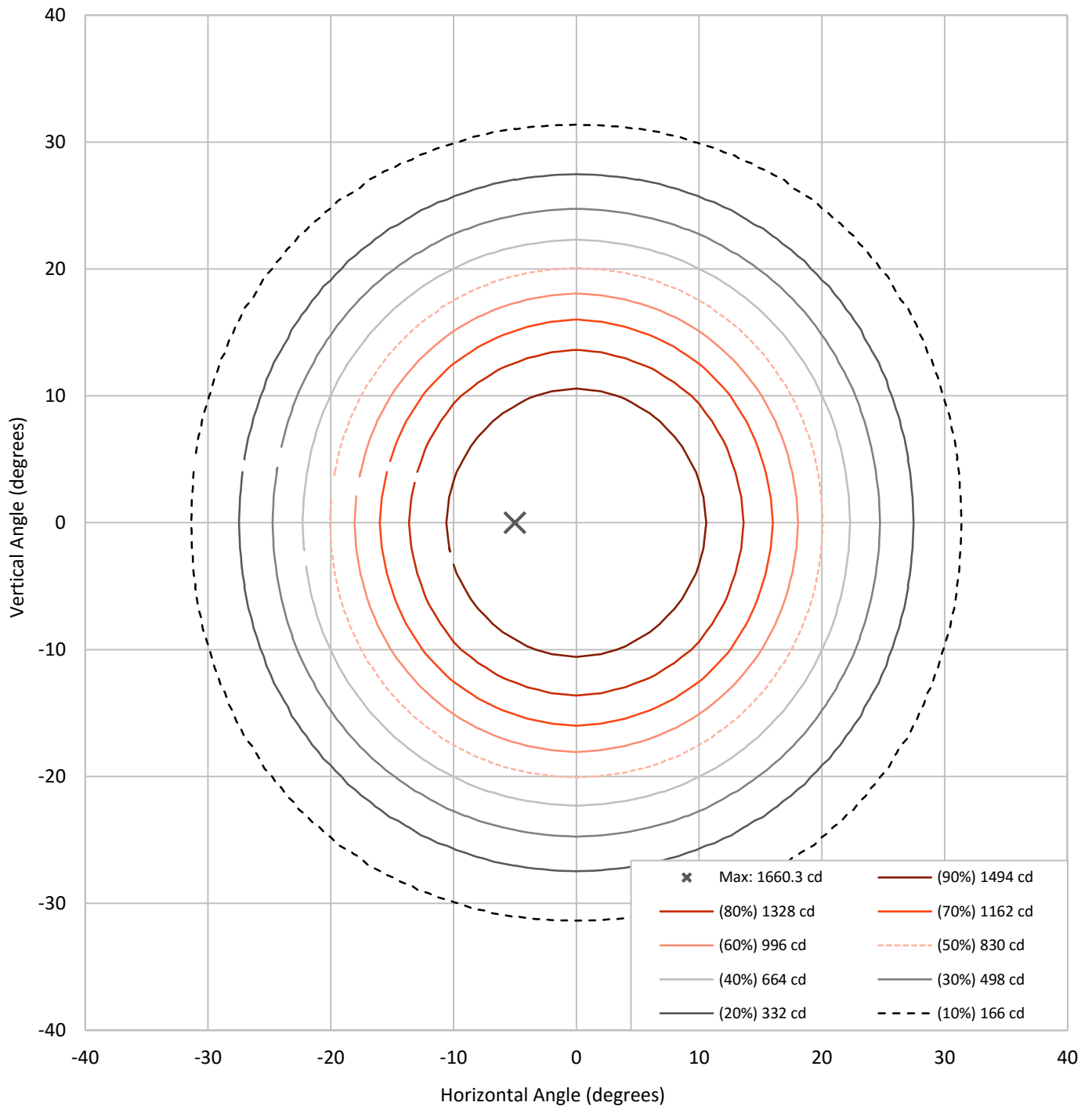
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	803 lumens	Max Intensity:	1660.3 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x 0°V
Efficacy:	80.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.2°H x 39°V	Field Angle (10%):	62.7°H x 62.1°V
Beam Lumens:	495.6 lumens	Field Lumens:	716.9 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





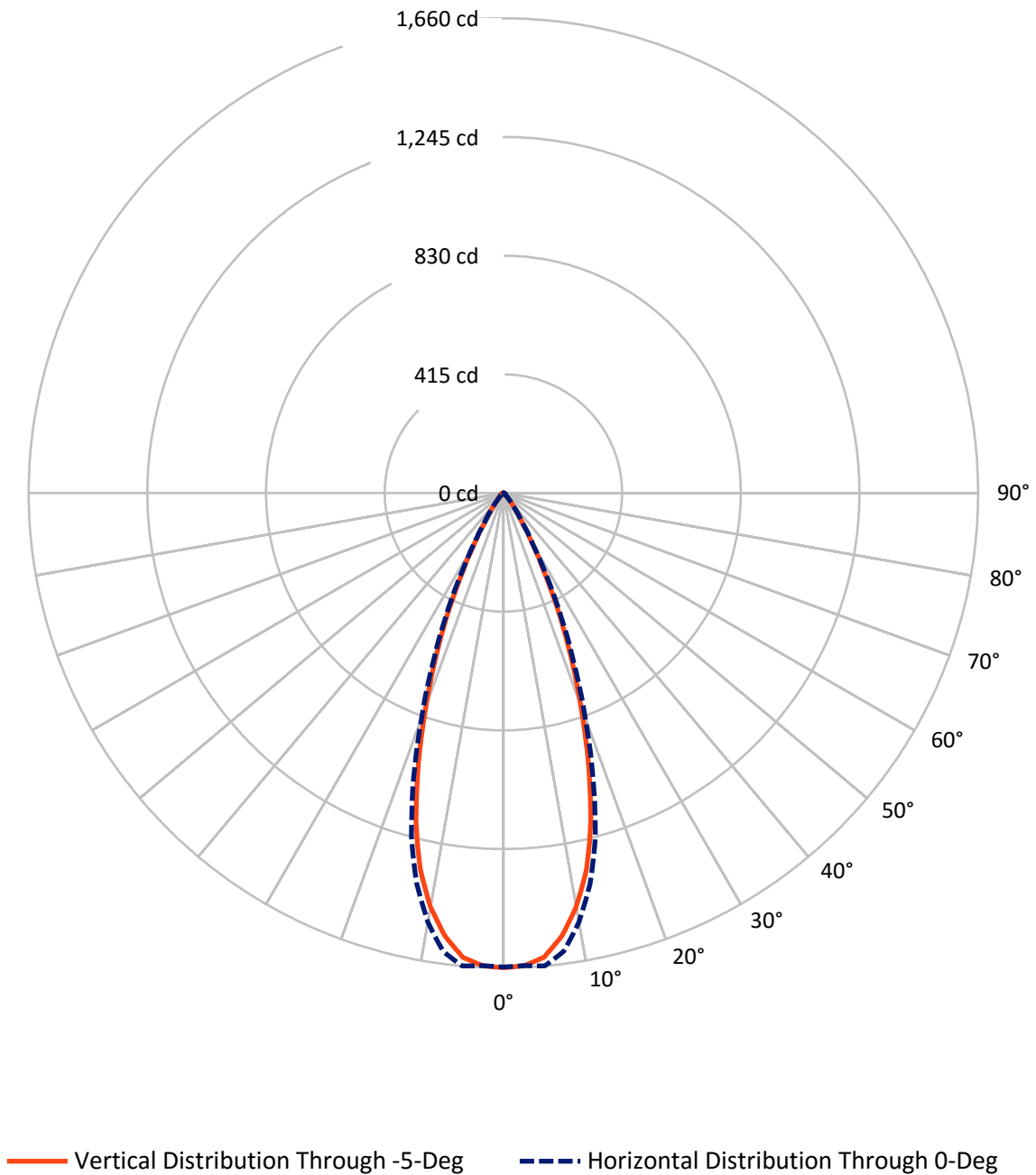
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Lumen Table

90																			
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	0.8	1.8	2.8	2.8	1.8	0.8	0.4	0.2	0.1	0.1				
20	0.1	0.1	0.1	0.2	0.8	2.8	8.1	13.8	13.8	8.1	2.8	0.8	0.2	0.1	0.1	0.1			
10		0.1	0.2	0.3	1.6	7.6	22.0	34.6	34.6	22.0	7.6	1.6	0.3	0.2	0.1				
0	0.1	0.1	0.2	0.4	2.4	12.6	33.6	47.8	47.8	33.6	12.6	2.4	0.4	0.2	0.1	0.1			
-10		0.1	0.2	0.4	2.4	12.6	33.6	47.8	47.8	33.6	12.6	2.4	0.4	0.2	0.1				
-20	0.1	0.1	0.2	0.3	1.6	7.6	22.0	34.6	34.6	22.0	7.6	1.6	0.3	0.2	0.1	0.1			
-30		0.1	0.1	0.2	0.8	2.8	8.1	13.8	13.8	8.1	2.8	0.8	0.2	0.1	0.1				
-40	0.1	0.1	0.1	0.2	0.4	0.8	1.8	2.8	2.8	1.8	0.8	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			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

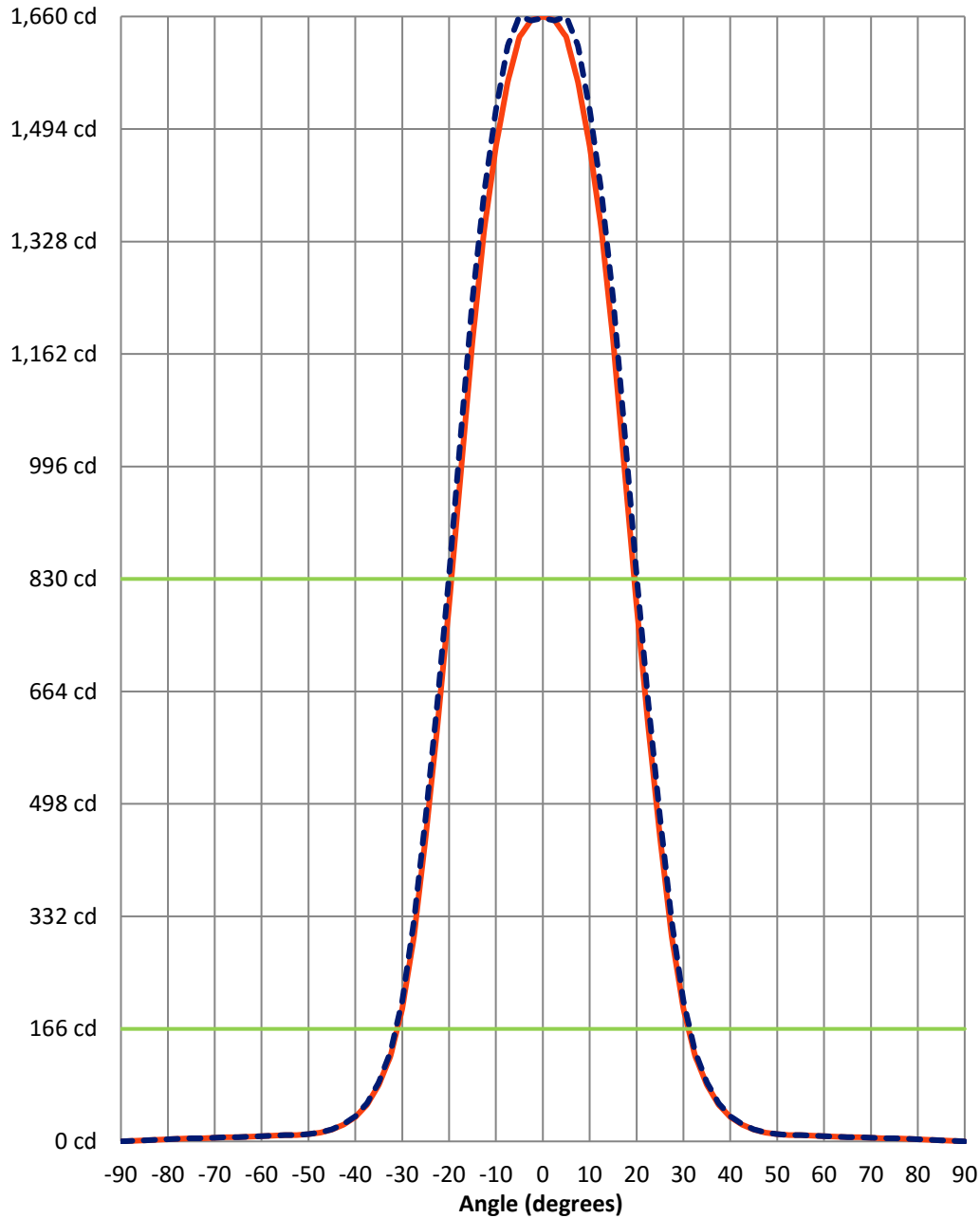
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 40.2°
 V Angle: 39°
 Lumens: 495.6
 Efficiency: 61.7%

Field:
 H Angle: 62.7°
 V Angle: 62.1°
 Lumens: 716.9
 Efficiency: 89.3%

Spill:
 Lumens: 86.1
 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	0.9	1.1	1.2	1.3
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.6
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
72.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
70°	0.0	0.3	0.5	0.8	1.1	1.3	1.5	1.8	2.0	2.3	2.6
67.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
65°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2
62.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.5	2.8	3.2	3.5
60°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
57.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
55°	0.0	0.5	0.9	1.3	1.7	2.2	2.6	3.1	3.5	4.0	4.3
52.5°	0.0	0.5	1.0	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.6
50°	0.0	0.5	1.0	1.4	2.0	2.5	3.0	3.5	4.0	4.4	4.6
47.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.7	4.1	4.6	4.6
45°	0.0	0.6	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.6	4.6
42.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5	4.6	4.8
40°	0.0	0.6	1.2	1.7	2.3	3.0	3.6	4.1	4.6	4.6	5.0
37.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.6	4.7	5.3
35°	0.0	0.7	1.2	1.9	2.5	3.2	3.8	4.4	4.6	4.8	5.5
32.5°	0.0	0.7	1.3	1.9	2.6	3.3	3.9	4.5	4.6	5.0	5.7
30°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.6	4.6	5.2	5.9
27.5°	0.0	0.7	1.3	2.0	2.7	3.4	4.1	4.6	4.7	5.3	6.0
25°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.6	4.8	5.5	6.2
22.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	4.6	4.9	5.6	6.2
20°	0.0	0.8	1.4	2.2	2.9	3.7	4.3	4.6	5.0	5.7	6.2
17.5°	0.0	0.8	1.4	2.2	3.0	3.7	4.4	4.6	5.1	5.8	6.2
15°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	4.6	5.2	5.9	6.2
12.5°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	4.6	5.2	6.0	6.2
10°	0.0	0.8	1.5	2.3	3.1	3.8	4.5	4.6	5.3	6.1	6.2
7.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.3	6.1	6.2
5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.4	6.2	6.2
2.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.4	6.2	6.2
0°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.4	6.2	6.2
-2.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.4	6.2	6.2
-5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.4	6.2	6.2
-7.5°	0.0	0.8	1.5	2.3	3.1	3.9	4.6	4.6	5.3	6.1	6.2
-10°	0.0	0.8	1.5	2.3	3.1	3.8	4.5	4.6	5.3	6.1	6.2
-12.5°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	4.6	5.2	6.0	6.2
-15°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	4.6	5.2	5.9	6.2
-17.5°	0.0	0.8	1.4	2.2	3.0	3.7	4.4	4.6	5.1	5.8	6.2
-20°	0.0	0.8	1.4	2.2	2.9	3.7	4.3	4.6	5.0	5.7	6.2



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-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	1.4	2.1	2.9	3.6	4.3	4.6	4.9	5.6	6.2
-25°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.6	4.8	5.5	6.2
-27.5°	0.0	0.7	1.3	2.0	2.7	3.4	4.1	4.6	4.7	5.3	6.0
-30°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.6	4.6	5.2	5.9
-32.5°	0.0	0.7	1.3	1.9	2.6	3.3	3.9	4.5	4.6	5.0	5.7
-35°	0.0	0.7	1.2	1.9	2.5	3.2	3.8	4.4	4.6	4.8	5.5
-37.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.6	4.7	5.3
-40°	0.0	0.6	1.2	1.7	2.3	3.0	3.6	4.1	4.6	4.6	5.0
-42.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5	4.6	4.8
-45°	0.0	0.6	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.6	4.6
-47.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.7	4.1	4.6	4.6
-50°	0.0	0.5	1.0	1.4	2.0	2.5	3.0	3.5	4.0	4.4	4.6
-52.5°	0.0	0.5	1.0	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.6
-55°	0.0	0.5	0.9	1.3	1.7	2.2	2.6	3.1	3.5	4.0	4.3
-57.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
-60°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
-62.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.5	2.8	3.2	3.5
-65°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2
-67.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
-70°	0.0	0.3	0.5	0.8	1.1	1.3	1.5	1.8	2.0	2.3	2.6
-72.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.6
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.9	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	1.0	1.1	1.1	1.2	1.2
82.5°	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
80°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.3	2.4
77.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.7	2.8	3.0	3.1
75°	2.1	2.3	2.5	2.6	2.8	3.0	3.1	3.3	3.4	3.6	3.7
72.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	4.1	4.3
70°	2.8	3.1	3.3	3.5	3.7	4.0	4.1	4.3	4.5	4.6	4.6
67.5°	3.2	3.4	3.7	4.0	4.2	4.4	4.6	4.6	4.6	4.6	4.7
65°	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.8	5.0	5.3
62.5°	3.8	4.1	4.4	4.6	4.6	4.6	4.8	5.1	5.4	5.6	5.9
60°	4.1	4.5	4.6	4.6	4.7	5.0	5.3	5.6	5.9	6.2	6.2
57.5°	4.4	4.6	4.6	4.7	5.1	5.5	5.8	6.1	6.2	6.2	6.3
55°	4.6	4.6	4.7	5.1	5.5	5.9	6.2	6.2	6.2	6.5	6.9
52.5°	4.6	4.7	5.1	5.5	6.0	6.2	6.2	6.4	6.7	7.1	7.4
50°	4.6	5.0	5.5	5.9	6.2	6.2	6.4	6.9	7.2	7.6	7.9
47.5°	4.8	5.3	5.8	6.2	6.2	6.4	6.9	7.3	7.7	8.1	8.5
45°	5.1	5.6	6.1	6.2	6.4	6.9	7.3	7.7	8.2	8.6	9.0
42.5°	5.4	5.9	6.2	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.3
40°	5.6	6.2	6.2	6.5	7.1	7.6	8.1	8.6	9.1	9.3	9.3
37.5°	5.9	6.2	6.3	6.9	7.4	7.9	8.5	9.0	9.3	9.3	10.2
35°	6.1	6.2	6.6	7.1	7.7	8.3	8.9	9.3	9.3	10.1	11.3
32.5°	6.2	6.2	6.8	7.4	8.0	8.6	9.2	9.3	9.9	11.0	12.6
30°	6.2	6.4	7.1	7.6	8.3	8.9	9.3	9.5	10.6	12.2	14.8
27.5°	6.2	6.6	7.3	7.9	8.6	9.2	9.3	10.1	11.6	13.7	17.3
25°	6.2	6.8	7.5	8.1	8.8	9.3	9.5	10.7	12.6	15.9	20.8
22.5°	6.3	7.0	7.6	8.3	9.1	9.3	10.0	11.5	13.9	18.0	24.4
20°	6.4	7.1	7.8	8.5	9.3	9.3	10.4	12.3	15.6	21.0	28.8
17.5°	6.6	7.3	8.0	8.7	9.3	9.5	10.9	13.0	17.2	23.8	33.2
15°	6.7	7.4	8.1	8.9	9.3	9.8	11.5	14.2	19.1	26.6	37.3
12.5°	6.8	7.5	8.2	9.0	9.3	10.1	12.0	15.3	21.0	29.7	43.0
10°	6.9	7.6	8.3	9.1	9.3	10.4	12.4	16.2	22.6	32.3	47.8
7.5°	6.9	7.6	8.4	9.2	9.3	10.6	12.7	16.9	23.9	34.4	51.5
5°	7.0	7.7	8.5	9.3	9.3	10.7	12.9	17.4	24.8	35.9	54.2
2.5°	7.0	7.7	8.5	9.3	9.3	10.8	13.1	17.7	25.3	36.8	55.9
0°	7.0	7.7	8.5	9.3	9.3	10.8	13.1	17.8	25.5	37.1	56.4
-2.5°	7.0	7.7	8.5	9.3	9.3	10.8	13.1	17.7	25.3	36.8	55.9
-5°	7.0	7.7	8.5	9.3	9.3	10.7	12.9	17.4	24.8	35.9	54.2
-7.5°	6.9	7.6	8.4	9.2	9.3	10.6	12.7	16.9	23.9	34.4	51.5
-10°	6.9	7.6	8.3	9.1	9.3	10.4	12.4	16.2	22.6	32.3	47.8
-12.5°	6.8	7.5	8.2	9.0	9.3	10.1	12.0	15.3	21.0	29.7	43.0
-15°	6.7	7.4	8.1	8.9	9.3	9.8	11.5	14.2	19.1	26.6	37.3
-17.5°	6.6	7.3	8.0	8.7	9.3	9.5	10.9	13.0	17.2	23.8	33.2
-20°	6.4	7.1	7.8	8.5	9.3	9.3	10.4	12.3	15.6	21.0	28.8



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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°	6.3	7.0	7.6	8.3	9.1	9.3	10.0	11.5	13.9	18.0	24.4
-25°	6.2	6.8	7.5	8.1	8.8	9.3	9.5	10.7	12.6	15.9	20.8
-27.5°	6.2	6.6	7.3	7.9	8.6	9.2	9.3	10.1	11.6	13.7	17.3
-30°	6.2	6.4	7.1	7.6	8.3	8.9	9.3	9.5	10.6	12.2	14.8
-32.5°	6.2	6.2	6.8	7.4	8.0	8.6	9.2	9.3	9.9	11.0	12.6
-35°	6.1	6.2	6.6	7.1	7.7	8.3	8.9	9.3	9.3	10.1	11.3
-37.5°	5.9	6.2	6.3	6.9	7.4	7.9	8.5	9.0	9.3	9.3	10.2
-40°	5.6	6.2	6.2	6.5	7.1	7.6	8.1	8.6	9.1	9.3	9.3
-42.5°	5.4	5.9	6.2	6.2	6.7	7.2	7.7	8.2	8.6	9.1	9.3
-45°	5.1	5.6	6.1	6.2	6.4	6.9	7.3	7.7	8.2	8.6	9.0
-47.5°	4.8	5.3	5.8	6.2	6.2	6.4	6.9	7.3	7.7	8.1	8.5
-50°	4.6	5.0	5.5	5.9	6.2	6.2	6.4	6.9	7.2	7.6	7.9
-52.5°	4.6	4.7	5.1	5.5	6.0	6.2	6.2	6.4	6.7	7.1	7.4
-55°	4.6	4.6	4.7	5.1	5.5	5.9	6.2	6.2	6.2	6.5	6.9
-57.5°	4.4	4.6	4.6	4.7	5.1	5.5	5.8	6.1	6.2	6.2	6.3
-60°	4.1	4.5	4.6	4.6	4.7	5.0	5.3	5.6	5.9	6.2	6.2
-62.5°	3.8	4.1	4.4	4.6	4.6	4.6	4.8	5.1	5.4	5.6	5.9
-65°	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.8	5.0	5.3
-67.5°	3.2	3.4	3.7	4.0	4.2	4.4	4.6	4.6	4.6	4.6	4.7
-70°	2.8	3.1	3.3	3.5	3.7	4.0	4.1	4.3	4.5	4.6	4.6
-72.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	4.1	4.3
-75°	2.1	2.3	2.5	2.6	2.8	3.0	3.1	3.3	3.4	3.6	3.7
-77.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.7	2.8	3.0	3.1
-80°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.3	2.4
-82.5°	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
-85°	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2
-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°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
82.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
80°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.1
77.5°	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.8	3.8
75°	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.5
72.5°	4.4	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	4.6	4.6	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3
67.5°	4.8	5.0	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1
65°	5.5	5.7	5.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.1	6.2	6.2	6.2	6.2	6.3	6.4	6.6	6.7	6.8	6.9
60°	6.2	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4	7.5	7.6
57.5°	6.6	6.8	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.2	8.3
55°	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.1
52.5°	7.7	8.0	8.3	8.6	8.8	9.1	9.3	9.3	9.3	9.3	9.3
50°	8.3	8.6	8.9	9.2	9.3	9.3	9.3	9.5	9.8	10.1	10.4
47.5°	8.9	9.2	9.3	9.3	9.5	10.0	10.4	10.9	11.5	12.0	12.4
45°	9.3	9.3	9.5	10.1	10.7	11.5	12.3	13.0	14.2	15.3	16.2
42.5°	9.3	9.9	10.6	11.6	12.6	13.9	15.6	17.2	19.1	21.0	22.6
40°	10.1	11.0	12.2	13.7	15.9	18.0	21.0	23.8	26.6	29.7	32.3
37.5°	11.3	12.6	14.8	17.3	20.8	24.4	28.8	33.2	37.3	43.0	47.8
35°	12.8	15.4	18.4	22.7	27.5	33.3	39.7	47.7	54.9	63.9	72.2
32.5°	15.4	18.9	23.7	29.8	36.4	46.3	55.8	69.4	81.8	94.9	108.1
30°	18.4	23.7	30.6	38.6	50.3	64.3	80.7	99.6	119.1	138.9	162.9
27.5°	22.7	29.8	38.6	51.7	68.8	87.9	113.5	140.3	175.8	207.0	242.1
25°	27.5	36.4	50.3	68.8	91.3	120.6	158.9	201.4	252.0	310.2	365.2
22.5°	33.3	46.3	64.3	87.9	120.6	165.1	217.0	286.2	364.1	441.9	510.9
20°	39.7	55.8	80.7	113.5	158.9	217.0	297.9	394.5	490.8	583.2	664.8
17.5°	47.7	69.4	99.6	140.3	201.4	286.2	394.5	508.4	620.7	731.0	830.0
15°	54.9	81.8	119.1	175.8	252.0	364.1	490.8	620.7	753.7	882.8	1004.3
12.5°	63.9	94.9	138.9	207.0	310.2	441.9	583.2	731.0	882.8	1034.1	1169.1
10°	72.2	108.1	162.9	242.1	365.2	510.9	664.8	830.0	1004.3	1169.1	1304.5
7.5°	78.7	118.5	181.9	276.0	413.6	569.2	737.4	919.2	1106.4	1274.2	1401.9
5°	83.5	126.0	195.8	302.1	449.2	612.2	791.4	986.5	1181.8	1345.9	1468.8
2.5°	86.3	130.6	204.3	319.4	470.9	638.5	824.6	1028.6	1227.5	1387.5	1508.8
0°	87.3	132.1	207.1	325.3	478.2	647.4	835.9	1043.0	1243.1	1400.7	1522.7
-2.5°	86.3	130.6	204.3	319.4	470.9	638.5	824.6	1028.6	1227.5	1387.5	1508.8
-5°	83.5	126.0	195.8	302.1	449.2	612.2	791.4	986.5	1181.8	1345.9	1468.8
-7.5°	78.7	118.5	181.9	276.0	413.6	569.2	737.4	919.2	1106.4	1274.2	1401.9
-10°	72.2	108.1	162.9	242.1	365.2	510.9	664.8	830.0	1004.3	1169.1	1304.5
-12.5°	63.9	94.9	138.9	207.0	310.2	441.9	583.2	731.0	882.8	1034.1	1169.1
-15°	54.9	81.8	119.1	175.8	252.0	364.1	490.8	620.7	753.7	882.8	1004.3
-17.5°	47.7	69.4	99.6	140.3	201.4	286.2	394.5	508.4	620.7	731.0	830.0
-20°	39.7	55.8	80.7	113.5	158.9	217.0	297.9	394.5	490.8	583.2	664.8



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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°	33.3	46.3	64.3	87.9	120.6	165.1	217.0	286.2	364.1	441.9	510.9
-25°	27.5	36.4	50.3	68.8	91.3	120.6	158.9	201.4	252.0	310.2	365.2
-27.5°	22.7	29.8	38.6	51.7	68.8	87.9	113.5	140.3	175.8	207.0	242.1
-30°	18.4	23.7	30.6	38.6	50.3	64.3	80.7	99.6	119.1	138.9	162.9
-32.5°	15.4	18.9	23.7	29.8	36.4	46.3	55.8	69.4	81.8	94.9	108.1
-35°	12.8	15.4	18.4	22.7	27.5	33.3	39.7	47.7	54.9	63.9	72.2
-37.5°	11.3	12.6	14.8	17.3	20.8	24.4	28.8	33.2	37.3	43.0	47.8
-40°	10.1	11.0	12.2	13.7	15.9	18.0	21.0	23.8	26.6	29.7	32.3
-42.5°	9.3	9.9	10.6	11.6	12.6	13.9	15.6	17.2	19.1	21.0	22.6
-45°	9.3	9.3	9.5	10.1	10.7	11.5	12.3	13.0	14.2	15.3	16.2
-47.5°	8.9	9.2	9.3	9.3	9.5	10.0	10.4	10.9	11.5	12.0	12.4
-50°	8.3	8.6	8.9	9.2	9.3	9.3	9.3	9.5	9.8	10.1	10.4
-52.5°	7.7	8.0	8.3	8.6	8.8	9.1	9.3	9.3	9.3	9.3	9.3
-55°	7.1	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.1
-57.5°	6.6	6.8	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.2	8.3
-60°	6.2	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4	7.5	7.6
-62.5°	6.1	6.2	6.2	6.2	6.2	6.3	6.4	6.6	6.7	6.8	6.9
-65°	5.5	5.7	5.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-67.5°	4.8	5.0	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1
-70°	4.6	4.6	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3
-72.5°	4.4	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-75°	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.5
-77.5°	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.8	3.8
-80°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.1
-82.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
-85°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
75°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4
72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
70°	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.1
67.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.0	5.9	5.8
65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
62.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.6
60°	7.6	7.7	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
57.5°	8.4	8.5	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0
55°	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.7
52.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
50°	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.4	10.1	9.8	9.5
47.5°	12.7	12.9	13.1	13.1	13.1	12.9	12.7	12.4	12.0	11.5	10.9
45°	16.9	17.4	17.7	17.8	17.7	17.4	16.9	16.2	15.3	14.2	13.0
42.5°	23.9	24.8	25.3	25.5	25.3	24.8	23.9	22.6	21.0	19.1	17.2
40°	34.4	35.9	36.8	37.1	36.8	35.9	34.4	32.3	29.7	26.6	23.8
37.5°	51.5	54.2	55.9	56.4	55.9	54.2	51.5	47.8	43.0	37.3	33.2
35°	78.7	83.5	86.3	87.3	86.3	83.5	78.7	72.2	63.9	54.9	47.7
32.5°	118.5	126.0	130.6	132.1	130.6	126.0	118.5	108.1	94.9	81.8	69.4
30°	181.9	195.8	204.3	207.1	204.3	195.8	181.9	162.9	138.9	119.1	99.6
27.5°	276.0	302.1	319.4	325.3	319.4	302.1	276.0	242.1	207.0	175.8	140.3
25°	413.6	449.2	470.9	478.2	470.9	449.2	413.6	365.2	310.2	252.0	201.4
22.5°	569.2	612.2	638.5	647.4	638.5	612.2	569.2	510.9	441.9	364.1	286.2
20°	737.4	791.4	824.6	835.9	824.6	791.4	737.4	664.8	583.2	490.8	394.5
17.5°	919.2	986.5	1028.6	1043.0	1028.6	986.5	919.2	830.0	731.0	620.7	508.4
15°	1106.4	1181.8	1227.5	1243.1	1227.5	1181.8	1106.4	1004.3	882.8	753.7	620.7
12.5°	1274.2	1345.9	1387.5	1400.7	1387.5	1345.9	1274.2	1169.1	1034.1	882.8	731.0
10°	1401.9	1468.8	1508.8	1522.7	1508.8	1468.8	1401.9	1304.5	1169.1	1004.3	830.0
7.5°	1495.8	1563.5	1604.5	1616.7	1604.5	1563.5	1495.8	1401.9	1274.2	1106.4	919.2
5°	1563.5	1629.7	1654.8	1660.3	1654.8	1629.7	1563.5	1468.8	1345.9	1181.8	986.5
2.5°	1604.5	1654.8	1658.9	1654.5	1658.9	1654.8	1604.5	1508.8	1387.5	1227.5	1028.6
0°	1616.7	1660.3	1654.5	1657.9	1654.5	1660.3	1616.7	1522.7	1400.7	1243.1	1043.0
-2.5°	1604.5	1654.8	1658.9	1654.5	1658.9	1654.8	1604.5	1508.8	1387.5	1227.5	1028.6
-5°	1563.5	1629.7	1654.8	1660.3	1654.8	1629.7	1563.5	1468.8	1345.9	1181.8	986.5
-7.5°	1495.8	1563.5	1604.5	1616.7	1604.5	1563.5	1495.8	1401.9	1274.2	1106.4	919.2
-10°	1401.9	1468.8	1508.8	1522.7	1508.8	1468.8	1401.9	1304.5	1169.1	1004.3	830.0
-12.5°	1274.2	1345.9	1387.5	1400.7	1387.5	1345.9	1274.2	1169.1	1034.1	882.8	731.0
-15°	1106.4	1181.8	1227.5	1243.1	1227.5	1181.8	1106.4	1004.3	882.8	753.7	620.7
-17.5°	919.2	986.5	1028.6	1043.0	1028.6	986.5	919.2	830.0	731.0	620.7	508.4
-20°	737.4	791.4	824.6	835.9	824.6	791.4	737.4	664.8	583.2	490.8	394.5



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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°	569.2	612.2	638.5	647.4	638.5	612.2	569.2	510.9	441.9	364.1	286.2
-25°	413.6	449.2	470.9	478.2	470.9	449.2	413.6	365.2	310.2	252.0	201.4
-27.5°	276.0	302.1	319.4	325.3	319.4	302.1	276.0	242.1	207.0	175.8	140.3
-30°	181.9	195.8	204.3	207.1	204.3	195.8	181.9	162.9	138.9	119.1	99.6
-32.5°	118.5	126.0	130.6	132.1	130.6	126.0	118.5	108.1	94.9	81.8	69.4
-35°	78.7	83.5	86.3	87.3	86.3	83.5	78.7	72.2	63.9	54.9	47.7
-37.5°	51.5	54.2	55.9	56.4	55.9	54.2	51.5	47.8	43.0	37.3	33.2
-40°	34.4	35.9	36.8	37.1	36.8	35.9	34.4	32.3	29.7	26.6	23.8
-42.5°	23.9	24.8	25.3	25.5	25.3	24.8	23.9	22.6	21.0	19.1	17.2
-45°	16.9	17.4	17.7	17.8	17.7	17.4	16.9	16.2	15.3	14.2	13.0
-47.5°	12.7	12.9	13.1	13.1	13.1	12.9	12.7	12.4	12.0	11.5	10.9
-50°	10.6	10.7	10.8	10.8	10.8	10.7	10.6	10.4	10.1	9.8	9.5
-52.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
-55°	9.2	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.7
-57.5°	8.4	8.5	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0
-60°	7.6	7.7	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
-62.5°	6.9	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.6
-65°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-67.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.0	5.9	5.8
-70°	5.3	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.1
-72.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-75°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4
-77.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
-80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
-82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
-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°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
82.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6
80°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2
77.5°	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8	2.7
75°	4.3	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3
72.5°	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.3	4.1	4.0	3.8
70°	5.0	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.3
67.5°	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.6	4.6	4.6
65°	6.2	6.2	6.2	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6
62.5°	6.4	6.3	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.1
60°	7.1	7.0	6.8	6.6	6.4	6.2	6.2	6.2	6.2	5.9	5.6
57.5°	7.8	7.6	7.5	7.3	7.1	6.8	6.6	6.3	6.2	6.2	6.1
55°	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.5	6.2	6.2
52.5°	9.3	9.1	8.8	8.6	8.3	8.0	7.7	7.4	7.1	6.7	6.4
50°	9.3	9.3	9.3	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.9
47.5°	10.4	10.0	9.5	9.3	9.3	9.2	8.9	8.5	8.1	7.7	7.3
45°	12.3	11.5	10.7	10.1	9.5	9.3	9.3	9.0	8.6	8.2	7.7
42.5°	15.6	13.9	12.6	11.6	10.6	9.9	9.3	9.3	9.1	8.6	8.2
40°	21.0	18.0	15.9	13.7	12.2	11.0	10.1	9.3	9.3	9.1	8.6
37.5°	28.8	24.4	20.8	17.3	14.8	12.6	11.3	10.2	9.3	9.3	9.0
35°	39.7	33.3	27.5	22.7	18.4	15.4	12.8	11.3	10.1	9.3	9.3
32.5°	55.8	46.3	36.4	29.8	23.7	18.9	15.4	12.6	11.0	9.9	9.3
30°	80.7	64.3	50.3	38.6	30.6	23.7	18.4	14.8	12.2	10.6	9.5
27.5°	113.5	87.9	68.8	51.7	38.6	29.8	22.7	17.3	13.7	11.6	10.1
25°	158.9	120.6	91.3	68.8	50.3	36.4	27.5	20.8	15.9	12.6	10.7
22.5°	217.0	165.1	120.6	87.9	64.3	46.3	33.3	24.4	18.0	13.9	11.5
20°	297.9	217.0	158.9	113.5	80.7	55.8	39.7	28.8	21.0	15.6	12.3
17.5°	394.5	286.2	201.4	140.3	99.6	69.4	47.7	33.2	23.8	17.2	13.0
15°	490.8	364.1	252.0	175.8	119.1	81.8	54.9	37.3	26.6	19.1	14.2
12.5°	583.2	441.9	310.2	207.0	138.9	94.9	63.9	43.0	29.7	21.0	15.3
10°	664.8	510.9	365.2	242.1	162.9	108.1	72.2	47.8	32.3	22.6	16.2
7.5°	737.4	569.2	413.6	276.0	181.9	118.5	78.7	51.5	34.4	23.9	16.9
5°	791.4	612.2	449.2	302.1	195.8	126.0	83.5	54.2	35.9	24.8	17.4
2.5°	824.6	638.5	470.9	319.4	204.3	130.6	86.3	55.9	36.8	25.3	17.7
0°	835.9	647.4	478.2	325.3	207.1	132.1	87.3	56.4	37.1	25.5	17.8
-2.5°	824.6	638.5	470.9	319.4	204.3	130.6	86.3	55.9	36.8	25.3	17.7
-5°	791.4	612.2	449.2	302.1	195.8	126.0	83.5	54.2	35.9	24.8	17.4
-7.5°	737.4	569.2	413.6	276.0	181.9	118.5	78.7	51.5	34.4	23.9	16.9
-10°	664.8	510.9	365.2	242.1	162.9	108.1	72.2	47.8	32.3	22.6	16.2
-12.5°	583.2	441.9	310.2	207.0	138.9	94.9	63.9	43.0	29.7	21.0	15.3
-15°	490.8	364.1	252.0	175.8	119.1	81.8	54.9	37.3	26.6	19.1	14.2
-17.5°	394.5	286.2	201.4	140.3	99.6	69.4	47.7	33.2	23.8	17.2	13.0
-20°	297.9	217.0	158.9	113.5	80.7	55.8	39.7	28.8	21.0	15.6	12.3



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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°	217.0	165.1	120.6	87.9	64.3	46.3	33.3	24.4	18.0	13.9	11.5
-25°	158.9	120.6	91.3	68.8	50.3	36.4	27.5	20.8	15.9	12.6	10.7
-27.5°	113.5	87.9	68.8	51.7	38.6	29.8	22.7	17.3	13.7	11.6	10.1
-30°	80.7	64.3	50.3	38.6	30.6	23.7	18.4	14.8	12.2	10.6	9.5
-32.5°	55.8	46.3	36.4	29.8	23.7	18.9	15.4	12.6	11.0	9.9	9.3
-35°	39.7	33.3	27.5	22.7	18.4	15.4	12.8	11.3	10.1	9.3	9.3
-37.5°	28.8	24.4	20.8	17.3	14.8	12.6	11.3	10.2	9.3	9.3	9.0
-40°	21.0	18.0	15.9	13.7	12.2	11.0	10.1	9.3	9.3	9.1	8.6
-42.5°	15.6	13.9	12.6	11.6	10.6	9.9	9.3	9.3	9.1	8.6	8.2
-45°	12.3	11.5	10.7	10.1	9.5	9.3	9.3	9.0	8.6	8.2	7.7
-47.5°	10.4	10.0	9.5	9.3	9.3	9.2	8.9	8.5	8.1	7.7	7.3
-50°	9.3	9.3	9.3	9.2	8.9	8.6	8.3	7.9	7.6	7.2	6.9
-52.5°	9.3	9.1	8.8	8.6	8.3	8.0	7.7	7.4	7.1	6.7	6.4
-55°	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.9	6.5	6.2	6.2
-57.5°	7.8	7.6	7.5	7.3	7.1	6.8	6.6	6.3	6.2	6.2	6.1
-60°	7.1	7.0	6.8	6.6	6.4	6.2	6.2	6.2	6.2	5.9	5.6
-62.5°	6.4	6.3	6.2	6.2	6.2	6.2	6.1	5.9	5.6	5.4	5.1
-65°	6.2	6.2	6.2	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6
-67.5°	5.7	5.6	5.5	5.3	5.2	5.0	4.8	4.7	4.6	4.6	4.6
-70°	5.0	4.9	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.3
-72.5°	4.6	4.6	4.6	4.6	4.6	4.5	4.4	4.3	4.1	4.0	3.8
-75°	4.3	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3
-77.5°	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.8	2.7
-80°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2
-82.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6
-85°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	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°	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
80°	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9
77.5°	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.1
75°	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.5	1.3
72.5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6
70°	4.1	4.0	3.7	3.5	3.3	3.1	2.8	2.6	2.3	2.0	1.8
67.5°	4.6	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.3	2.0
65°	4.6	4.6	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.2
62.5°	4.8	4.6	4.6	4.6	4.4	4.1	3.8	3.5	3.2	2.8	2.5
60°	5.3	5.0	4.7	4.6	4.6	4.5	4.1	3.8	3.4	3.1	2.7
57.5°	5.8	5.5	5.1	4.7	4.6	4.6	4.4	4.1	3.7	3.3	2.9
55°	6.2	5.9	5.5	5.1	4.7	4.6	4.6	4.3	4.0	3.5	3.1
52.5°	6.2	6.2	6.0	5.5	5.1	4.7	4.6	4.6	4.2	3.7	3.3
50°	6.4	6.2	6.2	5.9	5.5	5.0	4.6	4.6	4.4	4.0	3.5
47.5°	6.9	6.4	6.2	6.2	5.8	5.3	4.8	4.6	4.6	4.1	3.7
45°	7.3	6.9	6.4	6.2	6.1	5.6	5.1	4.6	4.6	4.3	3.8
42.5°	7.7	7.2	6.7	6.2	6.2	5.9	5.4	4.8	4.6	4.5	4.0
40°	8.1	7.6	7.1	6.5	6.2	6.2	5.6	5.0	4.6	4.6	4.1
37.5°	8.5	7.9	7.4	6.9	6.3	6.2	5.9	5.3	4.7	4.6	4.3
35°	8.9	8.3	7.7	7.1	6.6	6.2	6.1	5.5	4.8	4.6	4.4
32.5°	9.2	8.6	8.0	7.4	6.8	6.2	6.2	5.7	5.0	4.6	4.5
30°	9.3	8.9	8.3	7.6	7.1	6.4	6.2	5.9	5.2	4.6	4.6
27.5°	9.3	9.2	8.6	7.9	7.3	6.6	6.2	6.0	5.3	4.7	4.6
25°	9.5	9.3	8.8	8.1	7.5	6.8	6.2	6.2	5.5	4.8	4.6
22.5°	10.0	9.3	9.1	8.3	7.6	7.0	6.3	6.2	5.6	4.9	4.6
20°	10.4	9.3	9.3	8.5	7.8	7.1	6.4	6.2	5.7	5.0	4.6
17.5°	10.9	9.5	9.3	8.7	8.0	7.3	6.6	6.2	5.8	5.1	4.6
15°	11.5	9.8	9.3	8.9	8.1	7.4	6.7	6.2	5.9	5.2	4.6
12.5°	12.0	10.1	9.3	9.0	8.2	7.5	6.8	6.2	6.0	5.2	4.6
10°	12.4	10.4	9.3	9.1	8.3	7.6	6.9	6.2	6.1	5.3	4.6
7.5°	12.7	10.6	9.3	9.2	8.4	7.6	6.9	6.2	6.1	5.3	4.6
5°	12.9	10.7	9.3	9.3	8.5	7.7	7.0	6.2	6.2	5.4	4.6
2.5°	13.1	10.8	9.3	9.3	8.5	7.7	7.0	6.2	6.2	5.4	4.6
0°	13.1	10.8	9.3	9.3	8.5	7.7	7.0	6.2	6.2	5.4	4.6
-2.5°	13.1	10.8	9.3	9.3	8.5	7.7	7.0	6.2	6.2	5.4	4.6
-5°	12.9	10.7	9.3	9.3	8.5	7.7	7.0	6.2	6.2	5.4	4.6
-7.5°	12.7	10.6	9.3	9.2	8.4	7.6	6.9	6.2	6.1	5.3	4.6
-10°	12.4	10.4	9.3	9.1	8.3	7.6	6.9	6.2	6.1	5.3	4.6
-12.5°	12.0	10.1	9.3	9.0	8.2	7.5	6.8	6.2	6.0	5.2	4.6
-15°	11.5	9.8	9.3	8.9	8.1	7.4	6.7	6.2	5.9	5.2	4.6
-17.5°	10.9	9.5	9.3	8.7	8.0	7.3	6.6	6.2	5.8	5.1	4.6
-20°	10.4	9.3	9.3	8.5	7.8	7.1	6.4	6.2	5.7	5.0	4.6



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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°	10.0	9.3	9.1	8.3	7.6	7.0	6.3	6.2	5.6	4.9	4.6
-25°	9.5	9.3	8.8	8.1	7.5	6.8	6.2	6.2	5.5	4.8	4.6
-27.5°	9.3	9.2	8.6	7.9	7.3	6.6	6.2	6.0	5.3	4.7	4.6
-30°	9.3	8.9	8.3	7.6	7.1	6.4	6.2	5.9	5.2	4.6	4.6
-32.5°	9.2	8.6	8.0	7.4	6.8	6.2	6.2	5.7	5.0	4.6	4.5
-35°	8.9	8.3	7.7	7.1	6.6	6.2	6.1	5.5	4.8	4.6	4.4
-37.5°	8.5	7.9	7.4	6.9	6.3	6.2	5.9	5.3	4.7	4.6	4.3
-40°	8.1	7.6	7.1	6.5	6.2	6.2	5.6	5.0	4.6	4.6	4.1
-42.5°	7.7	7.2	6.7	6.2	6.2	5.9	5.4	4.8	4.6	4.5	4.0
-45°	7.3	6.9	6.4	6.2	6.1	5.6	5.1	4.6	4.6	4.3	3.8
-47.5°	6.9	6.4	6.2	6.2	5.8	5.3	4.8	4.6	4.6	4.1	3.7
-50°	6.4	6.2	6.2	5.9	5.5	5.0	4.6	4.6	4.4	4.0	3.5
-52.5°	6.2	6.2	6.0	5.5	5.1	4.7	4.6	4.6	4.2	3.7	3.3
-55°	6.2	5.9	5.5	5.1	4.7	4.6	4.6	4.3	4.0	3.5	3.1
-57.5°	5.8	5.5	5.1	4.7	4.6	4.6	4.4	4.1	3.7	3.3	2.9
-60°	5.3	5.0	4.7	4.6	4.6	4.5	4.1	3.8	3.4	3.1	2.7
-62.5°	4.8	4.6	4.6	4.6	4.4	4.1	3.8	3.5	3.2	2.8	2.5
-65°	4.6	4.6	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.2
-67.5°	4.6	4.4	4.2	4.0	3.7	3.4	3.2	2.9	2.6	2.3	2.0
-70°	4.1	4.0	3.7	3.5	3.3	3.1	2.8	2.6	2.3	2.0	1.8
-72.5°	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6
-75°	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.5	1.3
-77.5°	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.1
-80°	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9
-82.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
-85°	1.0	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°	1.3	1.1	0.9	0.7	0.5	0.2	0.0
70°	1.5	1.3	1.1	0.8	0.5	0.3	0.0
67.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
65°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
62.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
60°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
57.5°	2.5	2.0	1.6	1.2	0.9	0.4	0.0
55°	2.6	2.2	1.7	1.3	0.9	0.5	0.0
52.5°	2.8	2.3	1.8	1.4	1.0	0.5	0.0
50°	3.0	2.5	2.0	1.4	1.0	0.5	0.0
47.5°	3.1	2.6	2.1	1.5	1.0	0.5	0.0
45°	3.3	2.7	2.2	1.6	1.1	0.6	0.0
42.5°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
40°	3.6	3.0	2.3	1.7	1.2	0.6	0.0
37.5°	3.7	3.1	2.4	1.8	1.2	0.6	0.0
35°	3.8	3.2	2.5	1.9	1.2	0.7	0.0
32.5°	3.9	3.3	2.6	1.9	1.3	0.7	0.0
30°	4.0	3.4	2.7	2.0	1.3	0.7	0.0
27.5°	4.1	3.4	2.7	2.0	1.3	0.7	0.0
25°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
22.5°	4.3	3.6	2.9	2.1	1.4	0.7	0.0
20°	4.3	3.7	2.9	2.2	1.4	0.8	0.0
17.5°	4.4	3.7	3.0	2.2	1.4	0.8	0.0
15°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
12.5°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
10°	4.5	3.8	3.1	2.3	1.5	0.8	0.0
7.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
2.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
0°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
-2.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
-5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
-7.5°	4.6	3.9	3.1	2.3	1.5	0.8	0.0
-10°	4.5	3.8	3.1	2.3	1.5	0.8	0.0
-12.5°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
-15°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
-17.5°	4.4	3.7	3.0	2.2	1.4	0.8	0.0
-20°	4.3	3.7	2.9	2.2	1.4	0.8	0.0



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CANDELA DISTRIBUTION (continued):

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