

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: P220319 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220319 (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]-LED3597-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

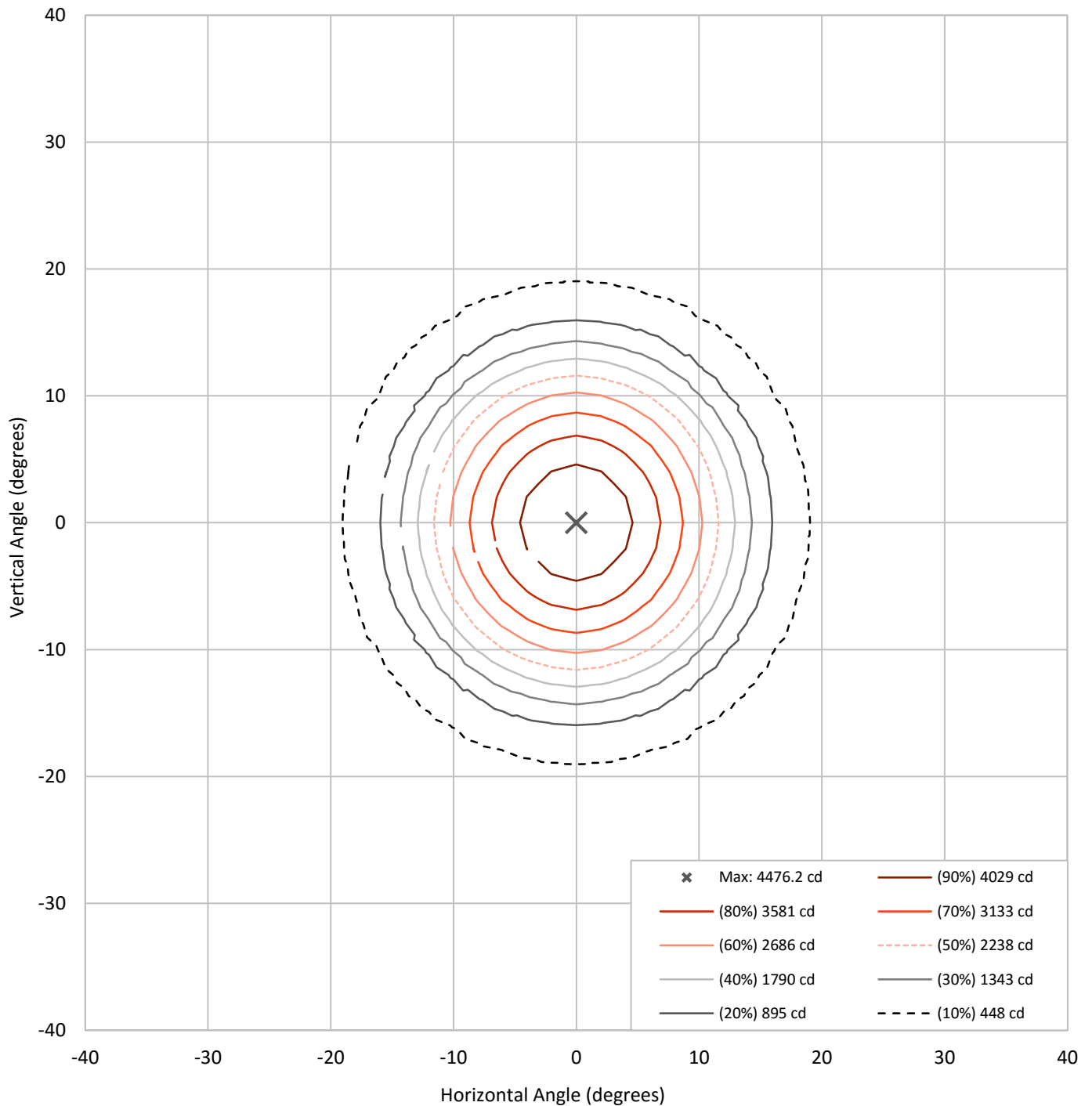
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	798.9 lumens	Max Intensity:	4476.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	79.9 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:	419.1 lumens	Field Lumens:	646.5 lumens
Beam Efficiency:	52.5%	Field Efficiency:	80.9%
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





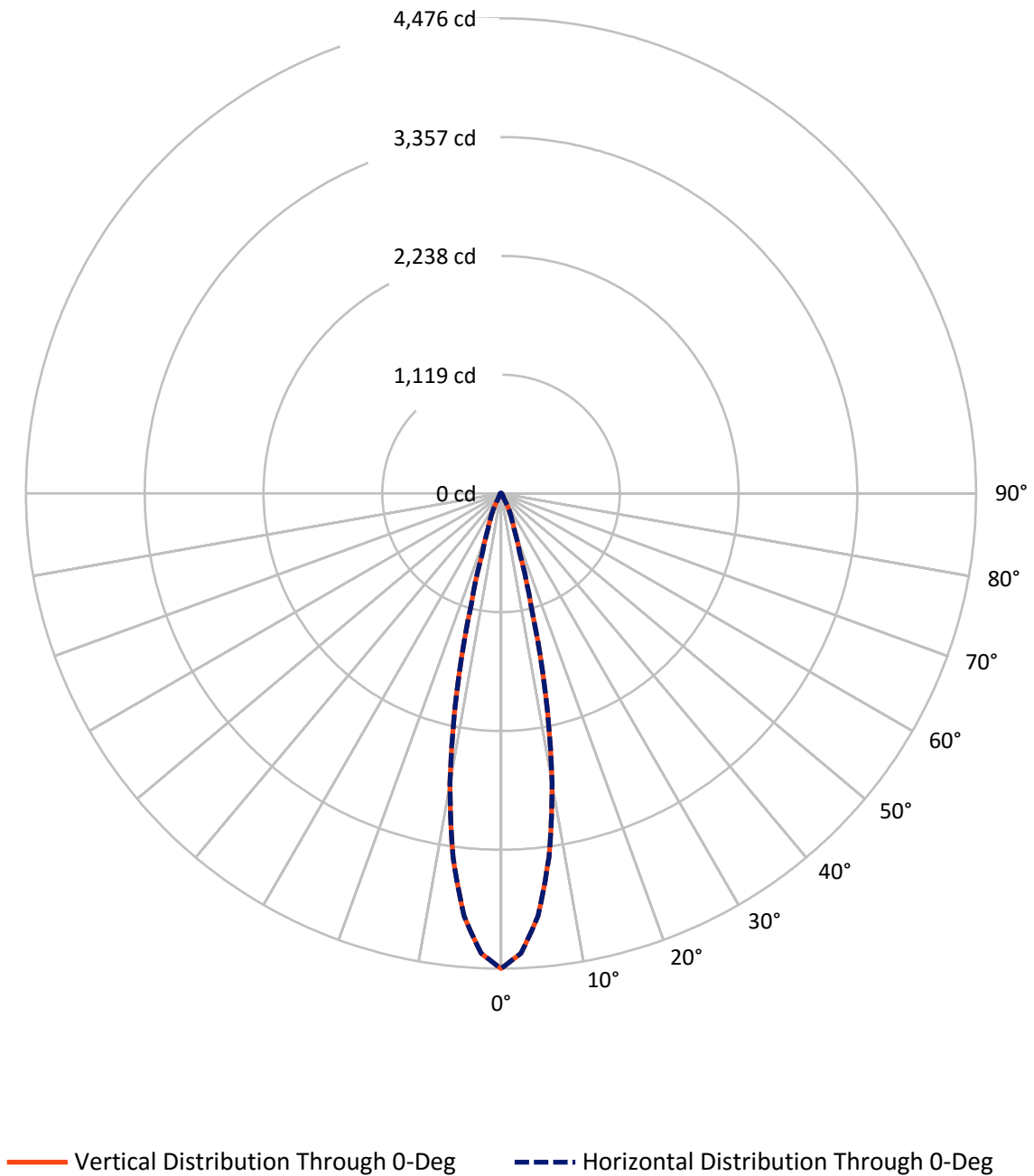
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Lumen Table

90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0				
60		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			
50	0.1	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1	0.1				
40		0.1	0.2	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.2		0.1			
30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.1	5.1	2.5	0.7	0.4	0.3	0.2	0.1				
20		0.1	0.2	0.3	0.5	2.3	10.7	31.6	31.6	10.7	2.3	0.5	0.3	0.2		0.1			
10	0.1	0.1	0.2	0.3	0.6	4.7	30.8	99.7	99.7	30.8	4.7	0.6	0.3	0.2	0.1				
0		0.1	0.2	0.3	0.6	4.7	30.8	99.7	99.7	30.8	4.7	0.6	0.3	0.2		0.1			
-10	0.1	0.1	0.2	0.3	0.6	4.7	30.8	99.7	99.7	30.8	4.7	0.6	0.3	0.2	0.1				
-20		0.1	0.2	0.3	0.5	2.3	10.7	31.6	31.6	10.7	2.3	0.5	0.3	0.2		0.1			
-30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.1	5.1	2.5	0.7	0.4	0.3	0.2	0.1				
-40		0.1	0.2	0.2	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.2	0.2		0.1			
-50	0.0	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.0				
-60		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1		0.0			
-70	0.0	0.1	0.2	0.3	0.4	0.7	2.5	5.1	5.1	2.5	0.7	0.4	0.3	0.2	0.1				
-80		0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.1		0.1			
-90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										

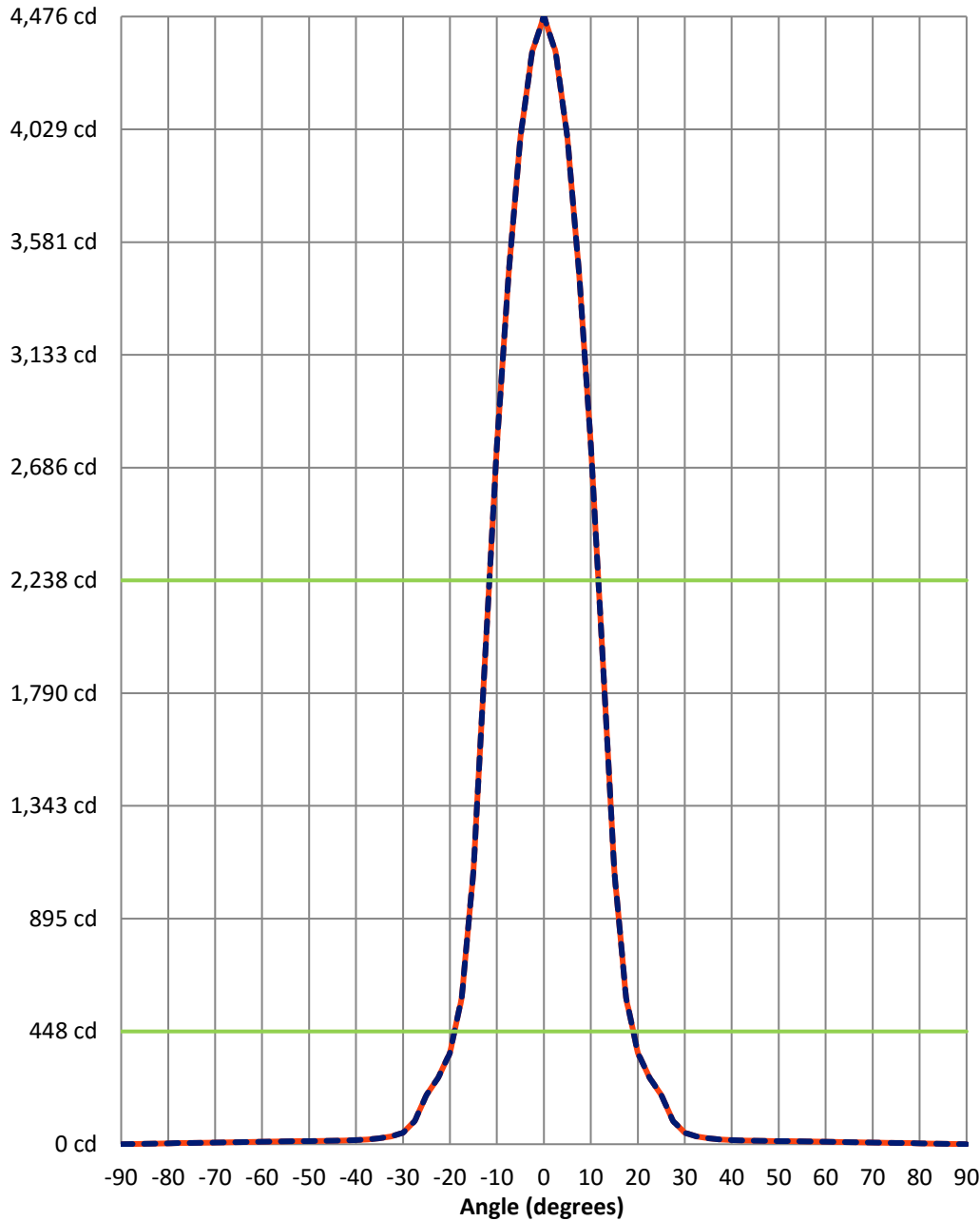
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-M-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.2°
 V Angle: 23.2°
 Lumens: 419.1
 Efficiency: 52.5%

Field:
 H Angle: 38.1°
 V Angle: 38.1°
 Lumens: 646.5
 Efficiency: 80.9%

Spill:
 Lumens: 152.4
 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	0.1	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	3.1
65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	4.1
60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.7
57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.7	4.5	4.9
55°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	4.1	4.9	4.9
52.5°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	3.7	4.6	4.9	4.9
50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	4.0	4.9	4.9	5.1
47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	4.4	4.9	4.9	5.4
45°	0.0	0.6	1.1	1.7	2.3	2.9	3.6	4.8	4.9	5.1	5.7
42.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.9	4.9	4.9	5.3	5.9
40°	0.0	0.6	1.2	1.8	2.5	3.1	4.2	4.9	5.0	5.6	6.1
37.5°	0.0	0.6	1.3	1.9	2.6	3.3	4.5	4.9	5.1	5.8	6.4
35°	0.0	0.7	1.3	2.0	2.6	3.4	4.7	4.9	5.3	5.9	6.6
32.5°	0.0	0.7	1.3	2.0	2.7	3.6	4.9	4.9	5.5	6.1	6.8
30°	0.0	0.7	1.4	2.1	2.8	3.8	4.9	4.9	5.6	6.3	7.0
27.5°	0.0	0.7	1.4	2.1	2.9	4.0	4.9	5.1	5.8	6.4	7.1
25°	0.0	0.7	1.4	2.2	3.0	4.1	4.9	5.2	5.9	6.6	7.3
22.5°	0.0	0.7	1.5	2.2	3.0	4.3	4.9	5.3	6.0	6.7	7.5
20°	0.0	0.8	1.5	2.3	3.1	4.4	4.9	5.4	6.1	6.8	7.6
17.5°	0.0	0.8	1.5	2.3	3.1	4.5	4.9	5.4	6.2	6.9	7.7
15°	0.0	0.8	1.5	2.3	3.2	4.6	4.9	5.5	6.3	7.0	7.8
12.5°	0.0	0.8	1.6	2.3	3.2	4.7	4.9	5.6	6.3	7.1	7.9
10°	0.0	0.8	1.6	2.4	3.2	4.8	4.9	5.6	6.4	7.2	8.0
7.5°	0.0	0.8	1.6	2.4	3.3	4.8	4.9	5.7	6.4	7.2	8.0
5°	0.0	0.8	1.6	2.4	3.3	4.9	4.9	5.7	6.5	7.3	8.1
2.5°	0.0	0.8	1.6	2.4	3.3	4.9	4.9	5.7	6.5	7.3	8.1
0°	0.0	0.8	1.6	2.4	3.3	4.9	4.9	5.7	6.5	7.3	8.1
-2.5°	0.0	0.8	1.6	2.4	3.3	4.9	4.9	5.7	6.5	7.3	8.1
-5°	0.0	0.8	1.6	2.4	3.3	4.9	4.9	5.7	6.5	7.3	8.1
-7.5°	0.0	0.8	1.6	2.4	3.3	4.8	4.9	5.7	6.4	7.2	8.0
-10°	0.0	0.8	1.6	2.4	3.2	4.8	4.9	5.6	6.4	7.2	8.0
-12.5°	0.0	0.8	1.6	2.3	3.2	4.7	4.9	5.6	6.3	7.1	7.9
-15°	0.0	0.8	1.5	2.3	3.2	4.6	4.9	5.5	6.3	7.0	7.8
-17.5°	0.0	0.8	1.5	2.3	3.1	4.5	4.9	5.4	6.2	6.9	7.7
-20°	0.0	0.8	1.5	2.3	3.1	4.4	4.9	5.4	6.1	6.8	7.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3597-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	0.7	1.5	2.2	3.0	4.3	4.9	5.3	6.0	6.7	7.5
-25°	0.0	0.7	1.4	2.2	3.0	4.1	4.9	5.2	5.9	6.6	7.3
-27.5°	0.0	0.7	1.4	2.1	2.9	4.0	4.9	5.1	5.8	6.4	7.1
-30°	0.0	0.7	1.4	2.1	2.8	3.8	4.9	4.9	5.6	6.3	7.0
-32.5°	0.0	0.7	1.3	2.0	2.7	3.6	4.9	4.9	5.5	6.1	6.8
-35°	0.0	0.7	1.3	2.0	2.6	3.4	4.7	4.9	5.3	5.9	6.6
-37.5°	0.0	0.6	1.3	1.9	2.6	3.3	4.5	4.9	5.1	5.8	6.4
-40°	0.0	0.6	1.2	1.8	2.5	3.1	4.2	4.9	5.0	5.6	6.1
-42.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.9	4.9	4.9	5.3	5.9
-45°	0.0	0.6	1.1	1.7	2.3	2.9	3.6	4.8	4.9	5.1	5.7
-47.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	4.4	4.9	4.9	5.4
-50°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	4.0	4.9	4.9	5.1
-52.5°	0.0	0.5	1.0	1.5	1.9	2.4	3.0	3.7	4.6	4.9	4.9
-55°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	4.1	4.9	4.9
-57.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.7	4.5	4.9
-60°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	4.0	4.7
-62.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.4	4.1
-65°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
-67.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.1
-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	2.5	2.6
77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.1	3.3
75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.6	3.9	4.2	4.5
72.5°	2.6	2.8	3.0	3.3	3.7	4.0	4.4	4.8	4.9	4.9	4.9
70°	3.0	3.2	3.7	4.1	4.6	4.9	4.9	4.9	4.9	5.0	5.1
67.5°	3.4	4.0	4.5	4.9	4.9	4.9	4.9	5.1	5.3	5.6	5.8
65°	4.1	4.7	4.9	4.9	4.9	5.1	5.4	5.7	5.9	6.1	6.4
62.5°	4.8	4.9	4.9	5.0	5.3	5.6	5.9	6.2	6.5	6.7	7.0
60°	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6
57.5°	4.9	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.6	7.9	8.2
55°	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1	8.4	8.8
52.5°	5.3	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.6	9.0	9.4
50°	5.6	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.2	9.6	10.0
47.5°	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.8	10.2	10.6
45°	6.2	6.7	7.2	7.8	8.3	8.8	9.3	9.8	10.3	10.7	11.1
42.5°	6.5	7.0	7.6	8.1	8.6	9.2	9.8	10.3	10.7	11.2	11.7
40°	6.7	7.3	7.9	8.4	9.0	9.6	10.2	10.7	11.2	11.7	12.2
37.5°	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.1	11.7	12.2	12.2
35°	7.2	7.8	8.5	9.1	9.8	10.4	11.0	11.5	12.1	12.2	12.4
32.5°	7.4	8.1	8.7	9.4	10.1	10.7	11.3	11.9	12.2	12.3	12.8
30°	7.6	8.3	9.0	9.7	10.4	11.0	11.7	12.2	12.2	12.7	13.3
27.5°	7.8	8.5	9.2	10.0	10.7	11.3	12.0	12.2	12.5	13.1	13.7
25°	8.0	8.7	9.5	10.2	10.9	11.6	12.2	12.2	12.8	13.5	14.1
22.5°	8.2	8.9	9.7	10.4	11.2	11.9	12.2	12.5	13.1	13.8	14.5
20°	8.3	9.1	9.9	10.6	11.4	12.1	12.2	12.7	13.4	14.1	15.1
17.5°	8.5	9.3	10.1	10.8	11.6	12.2	12.2	13.0	13.7	14.4	15.7
15°	8.6	9.4	10.2	11.0	11.7	12.2	12.4	13.2	13.9	14.8	16.3
12.5°	8.7	9.5	10.3	11.1	11.9	12.2	12.6	13.4	14.1	15.2	17.0
10°	8.8	9.6	10.4	11.2	12.0	12.2	12.7	13.5	14.3	15.6	17.6
7.5°	8.8	9.7	10.5	11.3	12.1	12.2	12.9	13.6	14.4	15.9	18.1
5°	8.9	9.8	10.6	11.4	12.1	12.2	12.9	13.7	14.5	16.1	18.4
2.5°	8.9	9.8	10.6	11.4	12.2	12.2	13.0	13.8	14.6	16.3	18.6
0°	8.9	9.8	10.6	11.4	12.2	12.2	13.0	13.8	14.6	16.3	18.7
-2.5°	8.9	9.8	10.6	11.4	12.2	12.2	13.0	13.8	14.6	16.3	18.6
-5°	8.9	9.8	10.6	11.4	12.1	12.2	12.9	13.7	14.5	16.1	18.4
-7.5°	8.8	9.7	10.5	11.3	12.1	12.2	12.9	13.6	14.4	15.9	18.1
-10°	8.8	9.6	10.4	11.2	12.0	12.2	12.7	13.5	14.3	15.6	17.6
-12.5°	8.7	9.5	10.3	11.1	11.9	12.2	12.6	13.4	14.1	15.2	17.0
-15°	8.6	9.4	10.2	11.0	11.7	12.2	12.4	13.2	13.9	14.8	16.3
-17.5°	8.5	9.3	10.1	10.8	11.6	12.2	12.2	13.0	13.7	14.4	15.7
-20°	8.3	9.1	9.9	10.6	11.4	12.1	12.2	12.7	13.4	14.1	15.1



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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°	8.2	8.9	9.7	10.4	11.2	11.9	12.2	12.5	13.1	13.8	14.5
-25°	8.0	8.7	9.5	10.2	10.9	11.6	12.2	12.2	12.8	13.5	14.1
-27.5°	7.8	8.5	9.2	10.0	10.7	11.3	12.0	12.2	12.5	13.1	13.7
-30°	7.6	8.3	9.0	9.7	10.4	11.0	11.7	12.2	12.2	12.7	13.3
-32.5°	7.4	8.1	8.7	9.4	10.1	10.7	11.3	11.9	12.2	12.3	12.8
-35°	7.2	7.8	8.5	9.1	9.8	10.4	11.0	11.5	12.1	12.2	12.4
-37.5°	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.1	11.7	12.2	12.2
-40°	6.7	7.3	7.9	8.4	9.0	9.6	10.2	10.7	11.2	11.7	12.2
-42.5°	6.5	7.0	7.6	8.1	8.6	9.2	9.8	10.3	10.7	11.2	11.7
-45°	6.2	6.7	7.2	7.8	8.3	8.8	9.3	9.8	10.3	10.7	11.1
-47.5°	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.8	10.2	10.6
-50°	5.6	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.2	9.6	10.0
-52.5°	5.3	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.6	9.0	9.4
-55°	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1	8.4	8.8
-57.5°	4.9	5.1	5.5	5.8	6.2	6.6	6.9	7.2	7.6	7.9	8.2
-60°	4.9	4.9	5.1	5.4	5.8	6.1	6.4	6.7	7.0	7.3	7.6
-62.5°	4.8	4.9	4.9	5.0	5.3	5.6	5.9	6.2	6.5	6.7	7.0
-65°	4.1	4.7	4.9	4.9	4.9	5.1	5.4	5.7	5.9	6.1	6.4
-67.5°	3.4	4.0	4.5	4.9	4.9	4.9	4.9	5.1	5.3	5.6	5.8
-70°	3.0	3.2	3.7	4.1	4.6	4.9	4.9	4.9	4.9	5.0	5.1
-72.5°	2.6	2.8	3.0	3.3	3.7	4.0	4.4	4.8	4.9	4.9	4.9
-75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.6	3.9	4.2	4.5
-77.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.1	3.3
-80°	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.6
-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	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
77.5°	3.4	3.6	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.7	4.8
75°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	4.9	4.9	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
70°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
67.5°	5.9	6.1	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.2
65°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.7	7.8	7.9	8.0
62.5°	7.2	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8
60°	7.8	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.5	9.6
57.5°	8.5	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.2	10.3	10.4
55°	9.1	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2
52.5°	9.8	10.1	10.4	10.7	10.9	11.2	11.4	11.6	11.7	11.9	12.0
50°	10.4	10.7	11.0	11.3	11.6	11.9	12.1	12.2	12.2	12.2	12.2
47.5°	11.0	11.3	11.7	12.0	12.2	12.2	12.2	12.2	12.4	12.6	12.7
45°	11.5	11.9	12.2	12.2	12.2	12.5	12.7	13.0	13.2	13.4	13.5
42.5°	12.1	12.2	12.2	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3
40°	12.2	12.3	12.7	13.1	13.5	13.8	14.1	14.4	14.8	15.2	15.6
37.5°	12.4	12.8	13.3	13.7	14.1	14.5	15.1	15.7	16.3	17.0	17.6
35°	12.9	13.4	13.9	14.3	14.9	15.7	16.6	17.6	18.5	19.9	21.2
32.5°	13.4	13.9	14.4	15.2	16.2	17.4	18.6	20.8	22.7	24.8	27.0
30°	13.9	14.4	15.3	16.5	17.9	20.0	22.6	25.6	28.8	32.2	36.9
27.5°	14.3	15.2	16.5	18.1	20.7	23.7	27.9	32.5	39.4	45.5	54.0
25°	14.9	16.2	17.9	20.7	24.3	29.0	36.1	44.4	57.1	82.3	119.5
22.5°	15.7	17.4	20.0	23.7	29.0	37.3	47.9	69.8	118.7	172.8	208.4
20°	16.6	18.6	22.6	27.9	36.1	47.9	74.2	141.2	200.1	237.9	273.3
17.5°	17.6	20.8	25.6	32.5	44.4	69.8	141.2	207.4	253.2	308.0	360.1
15°	18.5	22.7	28.8	39.4	57.1	118.7	200.1	253.2	320.0	399.1	521.5
12.5°	19.9	24.8	32.2	45.5	82.3	172.8	237.9	308.0	399.1	567.9	842.7
10°	21.2	27.0	36.9	54.0	119.5	208.4	273.3	360.1	521.5	842.7	1367.4
7.5°	22.2	28.7	40.6	66.0	155.3	232.2	311.4	427.2	696.4	1228.5	1945.3
5°	23.0	29.9	43.3	77.0	177.3	249.7	339.8	500.7	884.4	1597.7	2403.6
2.5°	23.4	30.7	44.9	88.4	190.5	260.5	357.3	559.4	1034.2	1849.6	2678.9
0°	23.6	30.9	45.5	92.2	195.0	264.1	363.2	581.8	1085.5	1937.1	2774.0
-2.5°	23.4	30.7	44.9	88.4	190.5	260.5	357.3	559.4	1034.2	1849.6	2678.9
-5°	23.0	29.9	43.3	77.0	177.3	249.7	339.8	500.7	884.4	1597.7	2403.6
-7.5°	22.2	28.7	40.6	66.0	155.3	232.2	311.4	427.2	696.4	1228.5	1945.3
-10°	21.2	27.0	36.9	54.0	119.5	208.4	273.3	360.1	521.5	842.7	1367.4
-12.5°	19.9	24.8	32.2	45.5	82.3	172.8	237.9	308.0	399.1	567.9	842.7
-15°	18.5	22.7	28.8	39.4	57.1	118.7	200.1	253.2	320.0	399.1	521.5
-17.5°	17.6	20.8	25.6	32.5	44.4	69.8	141.2	207.4	253.2	308.0	360.1
-20°	16.6	18.6	22.6	27.9	36.1	47.9	74.2	141.2	200.1	237.9	273.3



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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°	15.7	17.4	20.0	23.7	29.0	37.3	47.9	69.8	118.7	172.8	208.4
-25°	14.9	16.2	17.9	20.7	24.3	29.0	36.1	44.4	57.1	82.3	119.5
-27.5°	14.3	15.2	16.5	18.1	20.7	23.7	27.9	32.5	39.4	45.5	54.0
-30°	13.9	14.4	15.3	16.5	17.9	20.0	22.6	25.6	28.8	32.2	36.9
-32.5°	13.4	13.9	14.4	15.2	16.2	17.4	18.6	20.8	22.7	24.8	27.0
-35°	12.9	13.4	13.9	14.3	14.9	15.7	16.6	17.6	18.5	19.9	21.2
-37.5°	12.4	12.8	13.3	13.7	14.1	14.5	15.1	15.7	16.3	17.0	17.6
-40°	12.2	12.3	12.7	13.1	13.5	13.8	14.1	14.4	14.8	15.2	15.6
-42.5°	12.1	12.2	12.2	12.5	12.8	13.1	13.4	13.7	13.9	14.1	14.3
-45°	11.5	11.9	12.2	12.2	12.2	12.5	12.7	13.0	13.2	13.4	13.5
-47.5°	11.0	11.3	11.7	12.0	12.2	12.2	12.2	12.2	12.4	12.6	12.7
-50°	10.4	10.7	11.0	11.3	11.6	11.9	12.1	12.2	12.2	12.2	12.2
-52.5°	9.8	10.1	10.4	10.7	10.9	11.2	11.4	11.6	11.7	11.9	12.0
-55°	9.1	9.4	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.1	11.2
-57.5°	8.5	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.2	10.3	10.4
-60°	7.8	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.5	9.6
-62.5°	7.2	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.6	8.7	8.8
-65°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.7	7.8	7.9	8.0
-67.5°	5.9	6.1	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.2
-70°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
-72.5°	4.9	4.9	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-75°	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-77.5°	3.4	3.6	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.7	4.8
-80°	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.2	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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
77.5°	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.5
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
70°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
67.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
65°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
62.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
60°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5	9.4	9.3
57.5°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
55°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.8
52.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.7	11.6
50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
47.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.7	12.6	12.4	12.2
45°	13.6	13.7	13.8	13.8	13.8	13.7	13.6	13.5	13.4	13.2	13.0
42.5°	14.4	14.5	14.6	14.6	14.6	14.5	14.4	14.3	14.1	13.9	13.7
40°	15.9	16.1	16.3	16.3	16.3	16.1	15.9	15.6	15.2	14.8	14.4
37.5°	18.1	18.4	18.6	18.7	18.6	18.4	18.1	17.6	17.0	16.3	15.7
35°	22.2	23.0	23.4	23.6	23.4	23.0	22.2	21.2	19.9	18.5	17.6
32.5°	28.7	29.9	30.7	30.9	30.7	29.9	28.7	27.0	24.8	22.7	20.8
30°	40.6	43.3	44.9	45.5	44.9	43.3	40.6	36.9	32.2	28.8	25.6
27.5°	66.0	77.0	88.4	92.2	88.4	77.0	66.0	54.0	45.5	39.4	32.5
25°	155.3	177.3	190.5	195.0	190.5	177.3	155.3	119.5	82.3	57.1	44.4
22.5°	232.2	249.7	260.5	264.1	260.5	249.7	232.2	208.4	172.8	118.7	69.8
20°	311.4	339.8	357.3	363.2	357.3	339.8	311.4	273.3	237.9	200.1	141.2
17.5°	427.2	500.7	559.4	581.8	559.4	500.7	427.2	360.1	308.0	253.2	207.4
15°	696.4	884.4	1034.2	1085.5	1034.2	884.4	696.4	521.5	399.1	320.0	253.2
12.5°	1228.5	1597.7	1849.6	1937.1	1849.6	1597.7	1228.5	842.7	567.9	399.1	308.0
10°	1945.3	2403.6	2678.9	2774.0	2678.9	2403.6	1945.3	1367.4	842.7	521.5	360.1
7.5°	2589.5	3059.9	3356.1	3455.7	3356.1	3059.9	2589.5	1945.3	1228.5	696.4	427.2
5°	3059.9	3562.8	3880.4	3995.2	3880.4	3562.8	3059.9	2403.6	1597.7	884.4	500.7
2.5°	3356.1	3880.4	4220.3	4334.9	4220.3	3880.4	3356.1	2678.9	1849.6	1034.2	559.4
0°	3455.7	3995.2	4334.9	4476.2	4334.9	3995.2	3455.7	2774.0	1937.1	1085.5	581.8
-2.5°	3356.1	3880.4	4220.3	4334.9	4220.3	3880.4	3356.1	2678.9	1849.6	1034.2	559.4
-5°	3059.9	3562.8	3880.4	3995.2	3880.4	3562.8	3059.9	2403.6	1597.7	884.4	500.7
-7.5°	2589.5	3059.9	3356.1	3455.7	3356.1	3059.9	2589.5	1945.3	1228.5	696.4	427.2
-10°	1945.3	2403.6	2678.9	2774.0	2678.9	2403.6	1945.3	1367.4	842.7	521.5	360.1
-12.5°	1228.5	1597.7	1849.6	1937.1	1849.6	1597.7	1228.5	842.7	567.9	399.1	308.0
-15°	696.4	884.4	1034.2	1085.5	1034.2	884.4	696.4	521.5	399.1	320.0	253.2
-17.5°	427.2	500.7	559.4	581.8	559.4	500.7	427.2	360.1	308.0	253.2	207.4
-20°	311.4	339.8	357.3	363.2	357.3	339.8	311.4	273.3	237.9	200.1	141.2



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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°	232.2	249.7	260.5	264.1	260.5	249.7	232.2	208.4	172.8	118.7	69.8
-25°	155.3	177.3	190.5	195.0	190.5	177.3	155.3	119.5	82.3	57.1	44.4
-27.5°	66.0	77.0	88.4	92.2	88.4	77.0	66.0	54.0	45.5	39.4	32.5
-30°	40.6	43.3	44.9	45.5	44.9	43.3	40.6	36.9	32.2	28.8	25.6
-32.5°	28.7	29.9	30.7	30.9	30.7	29.9	28.7	27.0	24.8	22.7	20.8
-35°	22.2	23.0	23.4	23.6	23.4	23.0	22.2	21.2	19.9	18.5	17.6
-37.5°	18.1	18.4	18.6	18.7	18.6	18.4	18.1	17.6	17.0	16.3	15.7
-40°	15.9	16.1	16.3	16.3	16.3	16.1	15.9	15.6	15.2	14.8	14.4
-42.5°	14.4	14.5	14.6	14.6	14.6	14.5	14.4	14.3	14.1	13.9	13.7
-45°	13.6	13.7	13.8	13.8	13.8	13.7	13.6	13.5	13.4	13.2	13.0
-47.5°	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.7	12.6	12.4	12.2
-50°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
-52.5°	12.1	12.1	12.2	12.2	12.2	12.1	12.1	12.0	11.9	11.7	11.6
-55°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.2	11.1	11.0	10.8
-57.5°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.1
-60°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.5	9.4	9.3
-62.5°	8.8	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-65°	8.0	8.1	8.1	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7
-67.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
-70°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
-72.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-77.5°	4.8	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.5
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	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°	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3
77.5°	4.4	4.3	4.1	4.0	3.8	3.6	3.4	3.3	3.1	3.0	2.9
75°	4.9	4.9	4.9	4.9	4.9	4.9	4.7	4.5	4.2	3.9	3.6
72.5°	5.4	5.3	5.2	5.1	4.9	4.9	4.9	4.9	4.9	4.9	4.8
70°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.9	4.9
67.5°	6.8	6.7	6.6	6.4	6.3	6.1	5.9	5.8	5.6	5.3	5.1
65°	7.6	7.5	7.3	7.1	7.0	6.8	6.6	6.4	6.1	5.9	5.7
62.5°	8.3	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
60°	9.1	8.9	8.7	8.5	8.3	8.1	7.8	7.6	7.3	7.0	6.7
57.5°	9.9	9.7	9.5	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.2
55°	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.8
52.5°	11.4	11.2	10.9	10.7	10.4	10.1	9.8	9.4	9.0	8.6	8.3
50°	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8
47.5°	12.2	12.2	12.2	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.3
45°	12.7	12.5	12.2	12.2	12.2	11.9	11.5	11.1	10.7	10.3	9.8
42.5°	13.4	13.1	12.8	12.5	12.2	12.2	12.1	11.7	11.2	10.7	10.3
40°	14.1	13.8	13.5	13.1	12.7	12.3	12.2	12.2	11.7	11.2	10.7
37.5°	15.1	14.5	14.1	13.7	13.3	12.8	12.4	12.2	12.2	11.7	11.1
35°	16.6	15.7	14.9	14.3	13.9	13.4	12.9	12.4	12.2	12.1	11.5
32.5°	18.6	17.4	16.2	15.2	14.4	13.9	13.4	12.8	12.3	12.2	11.9
30°	22.6	20.0	17.9	16.5	15.3	14.4	13.9	13.3	12.7	12.2	12.2
27.5°	27.9	23.7	20.7	18.1	16.5	15.2	14.3	13.7	13.1	12.5	12.2
25°	36.1	29.0	24.3	20.7	17.9	16.2	14.9	14.1	13.5	12.8	12.2
22.5°	47.9	37.3	29.0	23.7	20.0	17.4	15.7	14.5	13.8	13.1	12.5
20°	74.2	47.9	36.1	27.9	22.6	18.6	16.6	15.1	14.1	13.4	12.7
17.5°	141.2	69.8	44.4	32.5	25.6	20.8	17.6	15.7	14.4	13.7	13.0
15°	200.1	118.7	57.1	39.4	28.8	22.7	18.5	16.3	14.8	13.9	13.2
12.5°	237.9	172.8	82.3	45.5	32.2	24.8	19.9	17.0	15.2	14.1	13.4
10°	273.3	208.4	119.5	54.0	36.9	27.0	21.2	17.6	15.6	14.3	13.5
7.5°	311.4	232.2	155.3	66.0	40.6	28.7	22.2	18.1	15.9	14.4	13.6
5°	339.8	249.7	177.3	77.0	43.3	29.9	23.0	18.4	16.1	14.5	13.7
2.5°	357.3	260.5	190.5	88.4	44.9	30.7	23.4	18.6	16.3	14.6	13.8
0°	363.2	264.1	195.0	92.2	45.5	30.9	23.6	18.7	16.3	14.6	13.8
-2.5°	357.3	260.5	190.5	88.4	44.9	30.7	23.4	18.6	16.3	14.6	13.8
-5°	339.8	249.7	177.3	77.0	43.3	29.9	23.0	18.4	16.1	14.5	13.7
-7.5°	311.4	232.2	155.3	66.0	40.6	28.7	22.2	18.1	15.9	14.4	13.6
-10°	273.3	208.4	119.5	54.0	36.9	27.0	21.2	17.6	15.6	14.3	13.5
-12.5°	237.9	172.8	82.3	45.5	32.2	24.8	19.9	17.0	15.2	14.1	13.4
-15°	200.1	118.7	57.1	39.4	28.8	22.7	18.5	16.3	14.8	13.9	13.2
-17.5°	141.2	69.8	44.4	32.5	25.6	20.8	17.6	15.7	14.4	13.7	13.0
-20°	74.2	47.9	36.1	27.9	22.6	18.6	16.6	15.1	14.1	13.4	12.7



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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°	47.9	37.3	29.0	23.7	20.0	17.4	15.7	14.5	13.8	13.1	12.5
-25°	36.1	29.0	24.3	20.7	17.9	16.2	14.9	14.1	13.5	12.8	12.2
-27.5°	27.9	23.7	20.7	18.1	16.5	15.2	14.3	13.7	13.1	12.5	12.2
-30°	22.6	20.0	17.9	16.5	15.3	14.4	13.9	13.3	12.7	12.2	12.2
-32.5°	18.6	17.4	16.2	15.2	14.4	13.9	13.4	12.8	12.3	12.2	11.9
-35°	16.6	15.7	14.9	14.3	13.9	13.4	12.9	12.4	12.2	12.1	11.5
-37.5°	15.1	14.5	14.1	13.7	13.3	12.8	12.4	12.2	12.2	11.7	11.1
-40°	14.1	13.8	13.5	13.1	12.7	12.3	12.2	12.2	11.7	11.2	10.7
-42.5°	13.4	13.1	12.8	12.5	12.2	12.2	12.1	11.7	11.2	10.7	10.3
-45°	12.7	12.5	12.2	12.2	12.2	11.9	11.5	11.1	10.7	10.3	9.8
-47.5°	12.2	12.2	12.2	12.0	11.7	11.3	11.0	10.6	10.2	9.8	9.3
-50°	12.1	11.9	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8
-52.5°	11.4	11.2	10.9	10.7	10.4	10.1	9.8	9.4	9.0	8.6	8.3
-55°	10.6	10.4	10.2	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.8
-57.5°	9.9	9.7	9.5	9.2	9.0	8.7	8.5	8.2	7.9	7.6	7.2
-60°	9.1	8.9	8.7	8.5	8.3	8.1	7.8	7.6	7.3	7.0	6.7
-62.5°	8.3	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.2
-65°	7.6	7.5	7.3	7.1	7.0	6.8	6.6	6.4	6.1	5.9	5.7
-67.5°	6.8	6.7	6.6	6.4	6.3	6.1	5.9	5.8	5.6	5.3	5.1
-70°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.1	5.0	4.9	4.9
-72.5°	5.4	5.3	5.2	5.1	4.9	4.9	4.9	4.9	4.9	4.9	4.8
-75°	4.9	4.9	4.9	4.9	4.9	4.9	4.7	4.5	4.2	3.9	3.6
-77.5°	4.4	4.3	4.1	4.0	3.8	3.6	3.4	3.3	3.1	3.0	2.9
-80°	3.1	3.0	3.0	2.9	2.8	2.7	2.6	2.6	2.5	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°	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4
72.5°	4.4	4.0	3.7	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.7
70°	4.9	4.9	4.6	4.1	3.7	3.2	3.0	2.7	2.4	2.1	1.9
67.5°	4.9	4.9	4.9	4.9	4.5	4.0	3.4	3.1	2.7	2.4	2.1
65°	5.4	5.1	4.9	4.9	4.9	4.7	4.1	3.5	3.1	2.7	2.3
62.5°	5.9	5.6	5.3	5.0	4.9	4.9	4.8	4.1	3.4	3.0	2.6
60°	6.4	6.1	5.8	5.4	5.1	4.9	4.9	4.7	4.0	3.2	2.8
57.5°	6.9	6.6	6.2	5.8	5.5	5.1	4.9	4.9	4.5	3.7	3.0
55°	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.9	4.9	4.1	3.3
52.5°	7.9	7.5	7.1	6.6	6.2	5.8	5.3	4.9	4.9	4.6	3.7
50°	8.3	7.9	7.5	7.0	6.6	6.1	5.6	5.1	4.9	4.9	4.0
47.5°	8.8	8.3	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.9	4.4
45°	9.3	8.8	8.3	7.8	7.2	6.7	6.2	5.7	5.1	4.9	4.8
42.5°	9.8	9.2	8.6	8.1	7.6	7.0	6.5	5.9	5.3	4.9	4.9
40°	10.2	9.6	9.0	8.4	7.9	7.3	6.7	6.1	5.6	5.0	4.9
37.5°	10.6	10.0	9.4	8.8	8.2	7.6	7.0	6.4	5.8	5.1	4.9
35°	11.0	10.4	9.8	9.1	8.5	7.8	7.2	6.6	5.9	5.3	4.9
32.5°	11.3	10.7	10.1	9.4	8.7	8.1	7.4	6.8	6.1	5.5	4.9
30°	11.7	11.0	10.4	9.7	9.0	8.3	7.6	7.0	6.3	5.6	4.9
27.5°	12.0	11.3	10.7	10.0	9.2	8.5	7.8	7.1	6.4	5.8	5.1
25°	12.2	11.6	10.9	10.2	9.5	8.7	8.0	7.3	6.6	5.9	5.2
22.5°	12.2	11.9	11.2	10.4	9.7	8.9	8.2	7.5	6.7	6.0	5.3
20°	12.2	12.1	11.4	10.6	9.9	9.1	8.3	7.6	6.8	6.1	5.4
17.5°	12.2	12.2	11.6	10.8	10.1	9.3	8.5	7.7	6.9	6.2	5.4
15°	12.4	12.2	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.3	5.5
12.5°	12.6	12.2	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.3	5.6
10°	12.7	12.2	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
7.5°	12.9	12.2	12.1	11.3	10.5	9.7	8.8	8.0	7.2	6.4	5.7
5°	12.9	12.2	12.1	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7
2.5°	13.0	12.2	12.2	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7
0°	13.0	12.2	12.2	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7
-2.5°	13.0	12.2	12.2	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7
-5°	12.9	12.2	12.1	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7
-7.5°	12.9	12.2	12.1	11.3	10.5	9.7	8.8	8.0	7.2	6.4	5.7
-10°	12.7	12.2	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
-12.5°	12.6	12.2	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.3	5.6
-15°	12.4	12.2	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.3	5.5
-17.5°	12.2	12.2	11.6	10.8	10.1	9.3	8.5	7.7	6.9	6.2	5.4
-20°	12.2	12.1	11.4	10.6	9.9	9.1	8.3	7.6	6.8	6.1	5.4



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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°	12.2	11.9	11.2	10.4	9.7	8.9	8.2	7.5	6.7	6.0	5.3
-25°	12.2	11.6	10.9	10.2	9.5	8.7	8.0	7.3	6.6	5.9	5.2
-27.5°	12.0	11.3	10.7	10.0	9.2	8.5	7.8	7.1	6.4	5.8	5.1
-30°	11.7	11.0	10.4	9.7	9.0	8.3	7.6	7.0	6.3	5.6	4.9
-32.5°	11.3	10.7	10.1	9.4	8.7	8.1	7.4	6.8	6.1	5.5	4.9
-35°	11.0	10.4	9.8	9.1	8.5	7.8	7.2	6.6	5.9	5.3	4.9
-37.5°	10.6	10.0	9.4	8.8	8.2	7.6	7.0	6.4	5.8	5.1	4.9
-40°	10.2	9.6	9.0	8.4	7.9	7.3	6.7	6.1	5.6	5.0	4.9
-42.5°	9.8	9.2	8.6	8.1	7.6	7.0	6.5	5.9	5.3	4.9	4.9
-45°	9.3	8.8	8.3	7.8	7.2	6.7	6.2	5.7	5.1	4.9	4.8
-47.5°	8.8	8.3	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.9	4.4
-50°	8.3	7.9	7.5	7.0	6.6	6.1	5.6	5.1	4.9	4.9	4.0
-52.5°	7.9	7.5	7.1	6.6	6.2	5.8	5.3	4.9	4.9	4.6	3.7
-55°	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.9	4.9	4.1	3.3
-57.5°	6.9	6.6	6.2	5.8	5.5	5.1	4.9	4.9	4.5	3.7	3.0
-60°	6.4	6.1	5.8	5.4	5.1	4.9	4.9	4.7	4.0	3.2	2.8
-62.5°	5.9	5.6	5.3	5.0	4.9	4.9	4.8	4.1	3.4	3.0	2.6
-65°	5.4	5.1	4.9	4.9	4.9	4.7	4.1	3.5	3.1	2.7	2.3
-67.5°	4.9	4.9	4.9	4.9	4.5	4.0	3.4	3.1	2.7	2.4	2.1
-70°	4.9	4.9	4.6	4.1	3.7	3.2	3.0	2.7	2.4	2.1	1.9
-72.5°	4.4	4.0	3.7	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.7
-75°	3.3	3.1	3.0	2.8	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°	2.8	2.3	1.8	1.4	0.9	0.5	0.0
52.5°	3.0	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°	3.3	2.7	2.2	1.6	1.1	0.5	0.0
45°	3.6	2.9	2.3	1.7	1.1	0.6	0.0
42.5°	3.9	3.0	2.4	1.8	1.2	0.6	0.0
40°	4.2	3.1	2.5	1.8	1.2	0.6	0.0
37.5°	4.5	3.3	2.6	1.9	1.3	0.6	0.0
35°	4.7	3.4	2.6	2.0	1.3	0.7	0.0
32.5°	4.9	3.6	2.7	2.0	1.3	0.7	0.0
30°	4.9	3.8	2.8	2.1	1.4	0.7	0.0
27.5°	4.9	4.0	2.9	2.1	1.4	0.7	0.0
25°	4.9	4.1	3.0	2.2	1.4	0.7	0.0
22.5°	4.9	4.3	3.0	2.2	1.5	0.7	0.0
20°	4.9	4.4	3.1	2.3	1.5	0.8	0.0
17.5°	4.9	4.5	3.1	2.3	1.5	0.8	0.0
15°	4.9	4.6	3.2	2.3	1.5	0.8	0.0
12.5°	4.9	4.7	3.2	2.3	1.6	0.8	0.0
10°	4.9	4.8	3.2	2.4	1.6	0.8	0.0
7.5°	4.9	4.8	3.3	2.4	1.6	0.8	0.0
5°	4.9	4.9	3.3	2.4	1.6	0.8	0.0
2.5°	4.9	4.9	3.3	2.4	1.6	0.8	0.0
0°	4.9	4.9	3.3	2.4	1.6	0.8	0.0
-2.5°	4.9	4.9	3.3	2.4	1.6	0.8	0.0
-5°	4.9	4.9	3.3	2.4	1.6	0.8	0.0
-7.5°	4.9	4.8	3.3	2.4	1.6	0.8	0.0
-10°	4.9	4.8	3.2	2.4	1.6	0.8	0.0
-12.5°	4.9	4.7	3.2	2.3	1.6	0.8	0.0
-15°	4.9	4.6	3.2	2.3	1.5	0.8	0.0
-17.5°	4.9	4.5	3.1	2.3	1.5	0.8	0.0
-20°	4.9	4.4	3.1	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°	4.9	4.3	3.0	2.2	1.5	0.7	0.0
-25°	4.9	4.1	3.0	2.2	1.4	0.7	0.0
-27.5°	4.9	4.0	2.9	2.1	1.4	0.7	0.0
-30°	4.9	3.8	2.8	2.1	1.4	0.7	0.0
-32.5°	4.9	3.6	2.7	2.0	1.3	0.7	0.0
-35°	4.7	3.4	2.6	2.0	1.3	0.7	0.0
-37.5°	4.5	3.3	2.6	1.9	1.3	0.6	0.0
-40°	4.2	3.1	2.5	1.8	1.2	0.6	0.0
-42.5°	3.9	3.0	2.4	1.8	1.2	0.6	0.0
-45°	3.6	2.9	2.3	1.7	1.1	0.6	0.0
-47.5°	3.3	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°	3.0	2.4	1.9	1.5	1.0	0.5	0.0
-55°	2.8	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)