

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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220320 (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]-LED4097-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

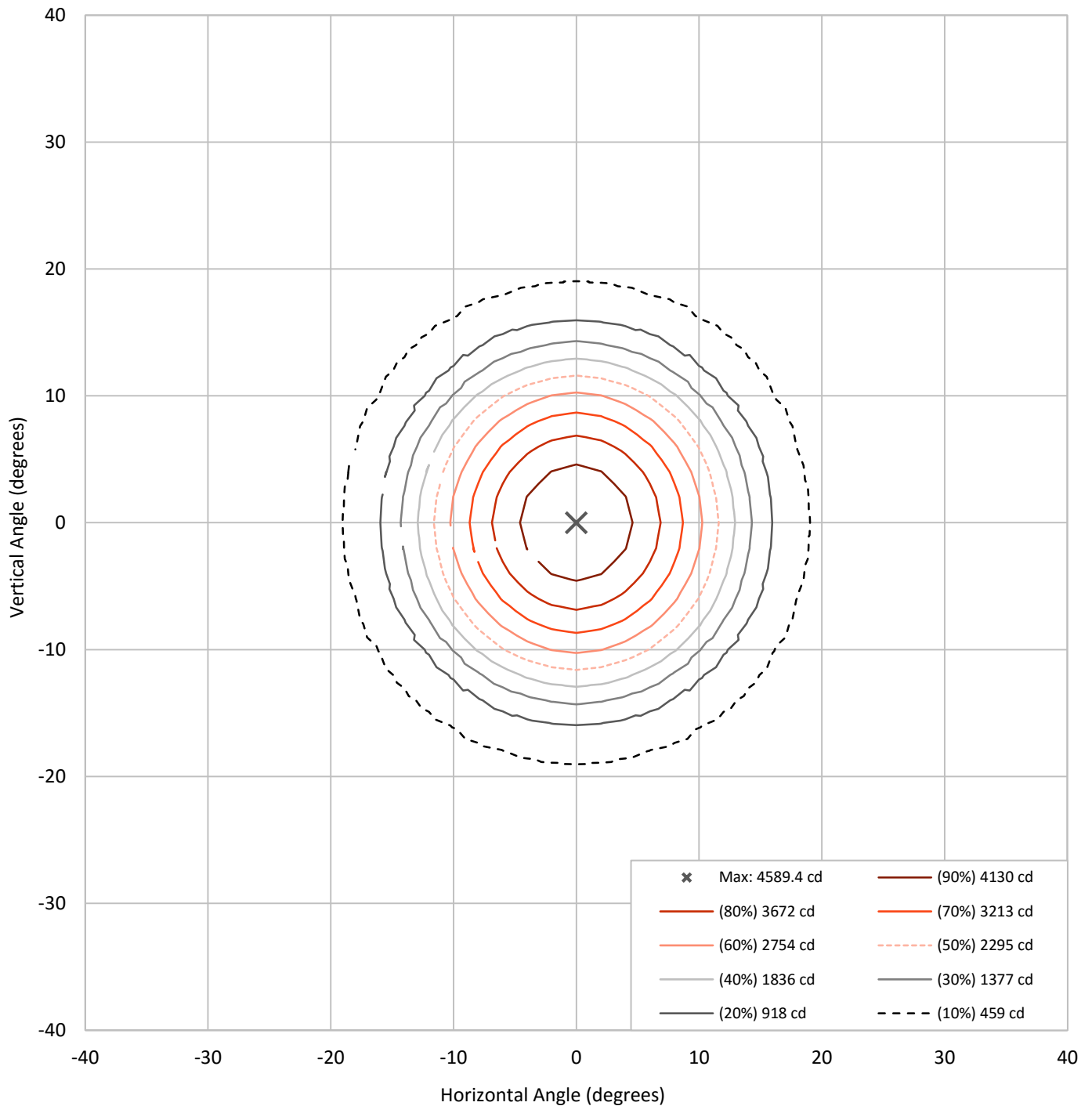
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	819.1 lumens	Max Intensity:	4589.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	81.9 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:	429.6 lumens	Field Lumens:	662.8 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





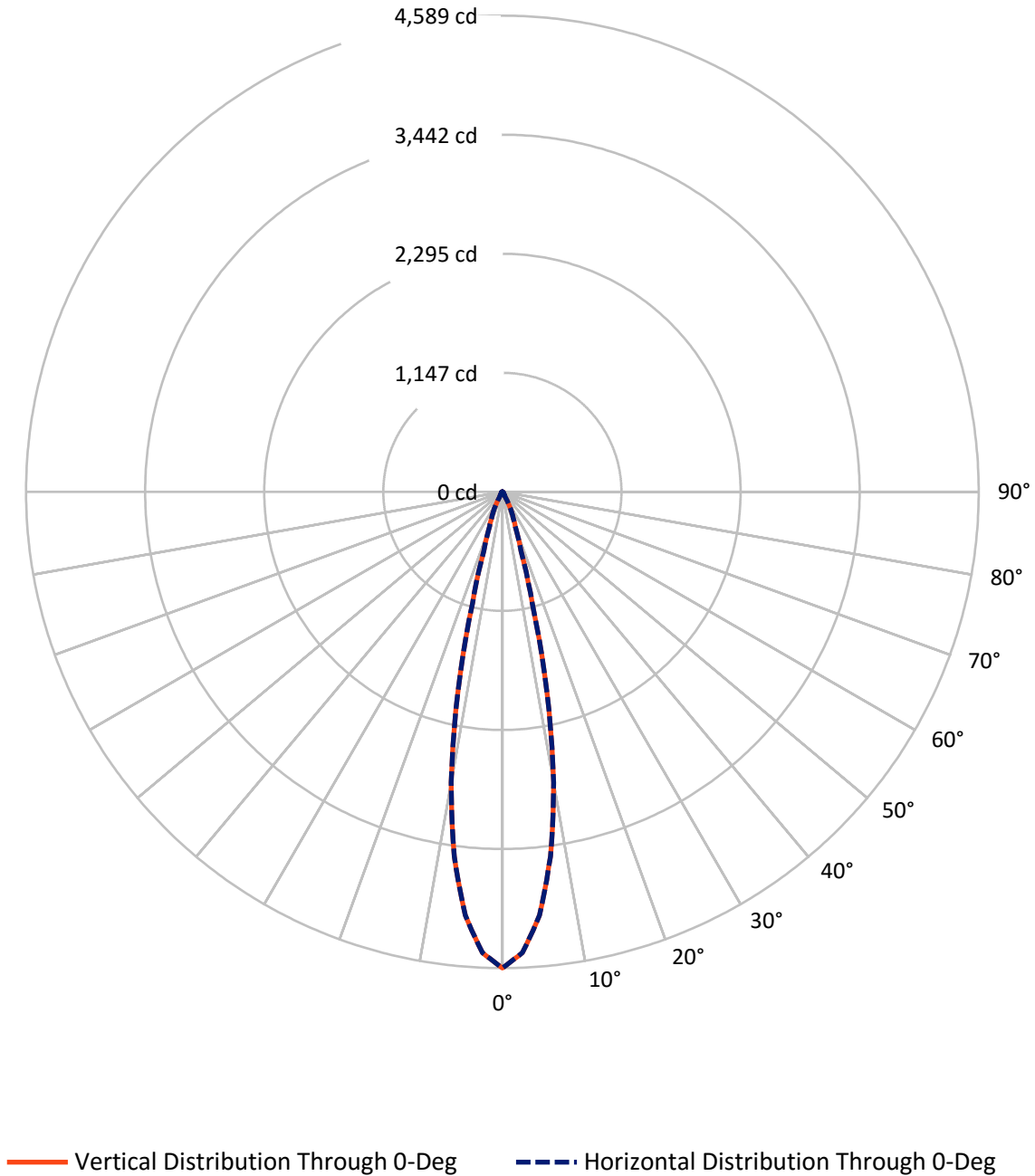
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Lumen Table

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	0.3	0.3	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	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1			
40		0.1	0.2	0.3	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	0.4	0.8	2.5	5.3	5.3	2.5	0.8	0.4	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.3	0.5	2.4	11.0	32.4	32.4	11.0	2.4	0.5	0.3	0.2	0.1				
10	0.1	0.1	0.2	0.3	0.6	4.8	31.6	102.3	102.3	31.6	4.8	0.6	0.3	0.2	0.1	0.1			
0		0.1	0.2	0.3	0.6	4.8	31.6	102.3	102.3	31.6	4.8	0.6	0.3	0.2	0.1				
-10	0.1	0.1	0.2	0.3	0.6	4.8	31.6	102.3	102.3	31.6	4.8	0.6	0.3	0.2	0.1	0.1			
-20		0.1	0.2	0.3	0.5	2.4	11.0	32.4	32.4	11.0	2.4	0.5	0.3	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.4	0.8	2.5	5.3	5.3	2.5	0.8	0.4	0.3	0.2	0.1	0.1			
-40		0.1	0.2	0.3	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.3	0.2	0.1				
-50	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1			
-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				
-70	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0			
-80		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	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										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

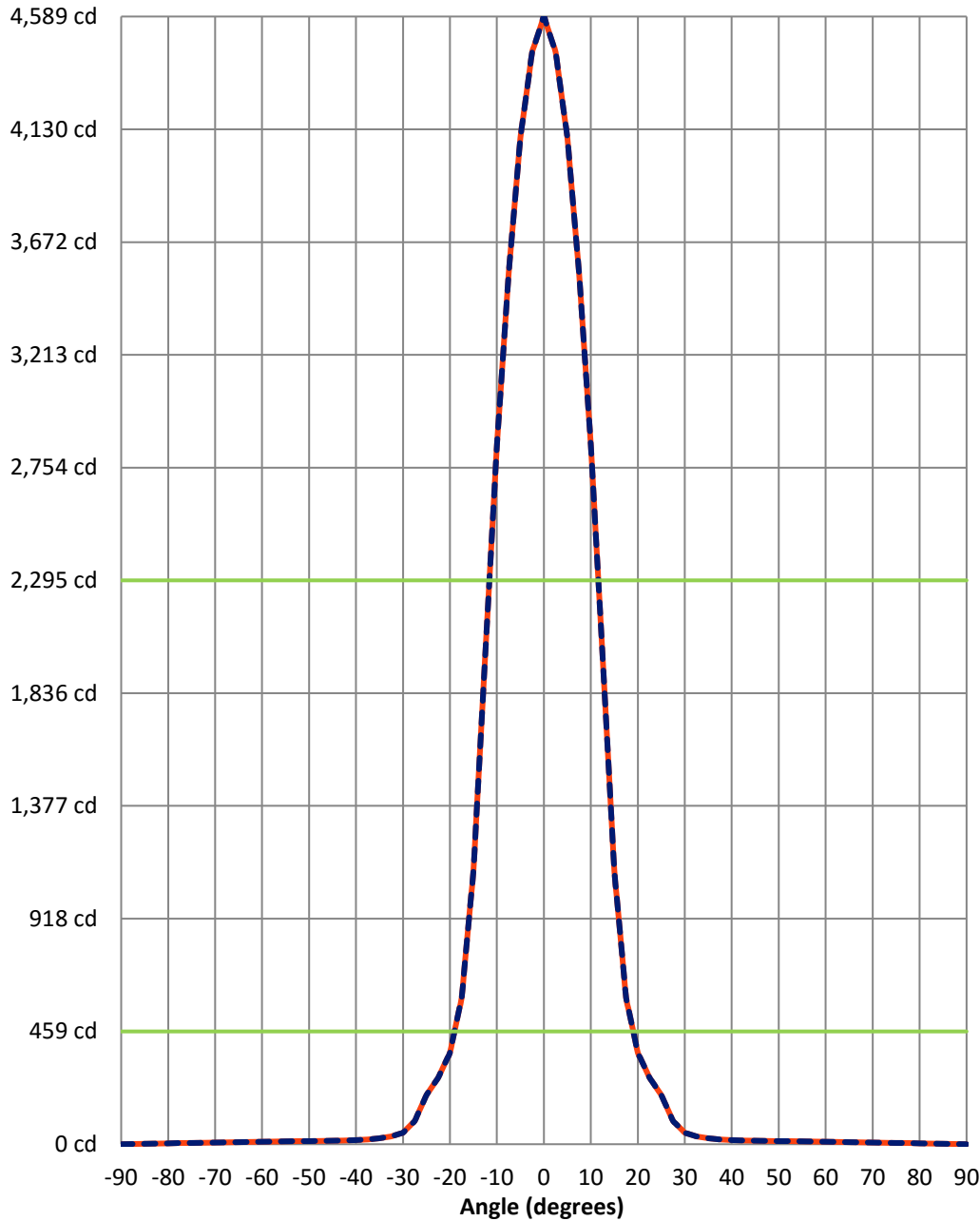
REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 23.2°
V Angle: 23.2°
Lumens: 429.6
Efficiency: 52.5%

Field:
H Angle: 38.1°
V Angle: 38.1°
Lumens: 662.8
Efficiency: 80.9%

Spill:
Lumens: 156.2
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	1.3	1.4
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.4
70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8
67.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
65°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.5
62.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.0	3.4	4.2
60°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.0	4.8
57.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.7	4.6	5.0
55°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	4.2	5.0	5.0
52.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.7	4.7	5.0	5.0
50°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	4.1	5.0	5.0	5.2
47.5°	0.0	0.5	1.1	1.7	2.3	2.8	3.3	4.5	5.0	5.0	5.5
45°	0.0	0.6	1.2	1.8	2.4	2.9	3.7	4.8	5.0	5.2	5.8
42.5°	0.0	0.6	1.2	1.9	2.5	3.0	4.0	5.0	5.0	5.4	6.0
40°	0.0	0.6	1.3	1.9	2.5	3.2	4.3	5.0	5.1	5.7	6.3
37.5°	0.0	0.6	1.3	2.0	2.6	3.3	4.6	5.0	5.2	5.9	6.6
35°	0.0	0.7	1.4	2.1	2.7	3.4	4.8	5.0	5.4	6.1	6.8
32.5°	0.0	0.7	1.4	2.1	2.8	3.7	5.0	5.0	5.6	6.3	7.0
30°	0.0	0.7	1.5	2.2	2.9	3.8	5.0	5.0	5.7	6.5	7.2
27.5°	0.0	0.7	1.5	2.2	2.9	4.0	5.0	5.2	5.9	6.6	7.3
25°	0.0	0.7	1.5	2.3	3.0	4.2	5.0	5.3	6.0	6.8	7.5
22.5°	0.0	0.7	1.6	2.3	3.1	4.3	5.0	5.4	6.1	6.9	7.7
20°	0.0	0.8	1.6	2.4	3.1	4.5	5.0	5.5	6.2	7.0	7.8
17.5°	0.0	0.8	1.6	2.4	3.2	4.6	5.0	5.5	6.4	7.1	7.9
15°	0.0	0.8	1.6	2.4	3.2	4.7	5.0	5.6	6.4	7.2	8.0
12.5°	0.0	0.8	1.7	2.4	3.2	4.8	5.0	5.7	6.5	7.3	8.1
10°	0.0	0.8	1.7	2.5	3.3	4.9	5.0	5.7	6.6	7.4	8.2
7.5°	0.0	0.8	1.7	2.5	3.3	4.9	5.0	5.8	6.6	7.4	8.2
5°	0.0	0.8	1.7	2.5	3.3	5.0	5.0	5.8	6.7	7.5	8.3
2.5°	0.0	0.8	1.7	2.5	3.3	5.0	5.0	5.8	6.7	7.5	8.3
0°	0.0	0.8	1.7	2.5	3.3	5.0	5.0	5.8	6.7	7.5	8.3
-2.5°	0.0	0.8	1.7	2.5	3.3	5.0	5.0	5.8	6.7	7.5	8.3
-5°	0.0	0.8	1.7	2.5	3.3	5.0	5.0	5.8	6.7	7.5	8.3
-7.5°	0.0	0.8	1.7	2.5	3.3	4.9	5.0	5.8	6.6	7.4	8.2
-10°	0.0	0.8	1.7	2.5	3.3	4.9	5.0	5.7	6.6	7.4	8.2
-12.5°	0.0	0.8	1.7	2.4	3.2	4.8	5.0	5.7	6.5	7.3	8.1
-15°	0.0	0.8	1.6	2.4	3.2	4.7	5.0	5.6	6.4	7.2	8.0
-17.5°	0.0	0.8	1.6	2.4	3.2	4.6	5.0	5.5	6.4	7.1	7.9
-20°	0.0	0.8	1.6	2.4	3.1	4.5	5.0	5.5	6.2	7.0	7.8



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-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	1.6	2.3	3.1	4.3	5.0	5.4	6.1	6.9	7.7
-25°	0.0	0.7	1.5	2.3	3.0	4.2	5.0	5.3	6.0	6.8	7.5
-27.5°	0.0	0.7	1.5	2.2	2.9	4.0	5.0	5.2	5.9	6.6	7.3
-30°	0.0	0.7	1.5	2.2	2.9	3.8	5.0	5.0	5.7	6.5	7.2
-32.5°	0.0	0.7	1.4	2.1	2.8	3.7	5.0	5.0	5.6	6.3	7.0
-35°	0.0	0.7	1.4	2.1	2.7	3.4	4.8	5.0	5.4	6.1	6.8
-37.5°	0.0	0.6	1.3	2.0	2.6	3.3	4.6	5.0	5.2	5.9	6.6
-40°	0.0	0.6	1.3	1.9	2.5	3.2	4.3	5.0	5.1	5.7	6.3
-42.5°	0.0	0.6	1.2	1.9	2.5	3.0	4.0	5.0	5.0	5.4	6.0
-45°	0.0	0.6	1.2	1.8	2.4	2.9	3.7	4.8	5.0	5.2	5.8
-47.5°	0.0	0.5	1.1	1.7	2.3	2.8	3.3	4.5	5.0	5.0	5.5
-50°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	4.1	5.0	5.0	5.2
-52.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.7	4.7	5.0	5.0
-55°	0.0	0.5	0.9	1.4	1.9	2.4	2.8	3.3	4.2	5.0	5.0
-57.5°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.7	4.6	5.0
-60°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.0	4.8
-62.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.0	3.4	4.2
-65°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.5
-67.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-70°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8
-72.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.4
-75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.7	1.9	2.1
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3
82.5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
80°	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.5	2.6
77.5°	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.3
75°	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.7	4.0	4.3	4.6
72.5°	2.7	2.9	3.1	3.3	3.7	4.1	4.5	4.8	5.0	5.0	5.0
70°	3.0	3.3	3.7	4.2	4.7	5.0	5.0	5.0	5.0	5.1	5.2
67.5°	3.4	4.0	4.6	5.0	5.0	5.0	5.0	5.2	5.4	5.7	5.9
65°	4.2	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.0	6.3	6.6
62.5°	4.9	5.0	5.0	5.1	5.4	5.7	6.0	6.4	6.7	6.9	7.2
60°	5.0	5.0	5.2	5.5	5.9	6.2	6.6	6.9	7.2	7.5	7.8
57.5°	5.0	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.8	8.1	8.4
55°	5.1	5.5	6.0	6.4	6.8	7.2	7.6	8.0	8.3	8.7	9.0
52.5°	5.4	5.9	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3	9.6
50°	5.7	6.2	6.8	7.2	7.7	8.1	8.6	9.0	9.5	9.8	10.2
47.5°	6.0	6.6	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8
45°	6.4	6.9	7.4	8.0	8.5	9.0	9.5	10.0	10.5	10.9	11.4
42.5°	6.7	7.2	7.8	8.3	8.9	9.5	10.0	10.5	11.0	11.5	12.0
40°	6.9	7.5	8.1	8.7	9.3	9.8	10.4	10.9	11.5	12.0	12.5
37.5°	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.5	12.5
35°	7.4	8.0	8.7	9.4	10.0	10.6	11.2	11.8	12.4	12.5	12.7
32.5°	7.6	8.3	9.0	9.7	10.3	10.9	11.6	12.2	12.5	12.6	13.1
30°	7.8	8.5	9.3	9.9	10.6	11.3	12.0	12.5	12.5	13.0	13.6
27.5°	8.0	8.8	9.5	10.2	10.9	11.6	12.3	12.5	12.8	13.4	14.1
25°	8.2	9.0	9.7	10.4	11.2	11.9	12.5	12.5	13.1	13.8	14.5
22.5°	8.4	9.2	9.9	10.6	11.4	12.2	12.5	12.8	13.5	14.2	14.9
20°	8.6	9.4	10.1	10.8	11.7	12.4	12.5	13.0	13.8	14.5	15.5
17.5°	8.7	9.5	10.3	11.0	11.9	12.5	12.5	13.3	14.1	14.8	16.1
15°	8.8	9.6	10.4	11.2	12.0	12.5	12.7	13.5	14.3	15.2	16.7
12.5°	8.9	9.8	10.5	11.4	12.2	12.5	12.9	13.7	14.5	15.6	17.5
10°	9.0	9.8	10.6	11.5	12.3	12.5	13.0	13.9	14.7	16.0	18.1
7.5°	9.1	9.9	10.7	11.6	12.4	12.5	13.2	14.0	14.8	16.3	18.6
5°	9.2	10.0	10.8	11.6	12.4	12.5	13.2	14.1	14.9	16.5	18.9
2.5°	9.2	10.0	10.8	11.7	12.5	12.5	13.3	14.2	15.0	16.7	19.1
0°	9.2	10.0	10.8	11.7	12.5	12.5	13.3	14.2	15.0	16.7	19.2
-2.5°	9.2	10.0	10.8	11.7	12.5	12.5	13.3	14.2	15.0	16.7	19.1
-5°	9.2	10.0	10.8	11.6	12.4	12.5	13.2	14.1	14.9	16.5	18.9
-7.5°	9.1	9.9	10.7	11.6	12.4	12.5	13.2	14.0	14.8	16.3	18.6
-10°	9.0	9.8	10.6	11.5	12.3	12.5	13.0	13.9	14.7	16.0	18.1
-12.5°	8.9	9.8	10.5	11.4	12.2	12.5	12.9	13.7	14.5	15.6	17.5
-15°	8.8	9.6	10.4	11.2	12.0	12.5	12.7	13.5	14.3	15.2	16.7
-17.5°	8.7	9.5	10.3	11.0	11.9	12.5	12.5	13.3	14.1	14.8	16.1
-20°	8.6	9.4	10.1	10.8	11.7	12.4	12.5	13.0	13.8	14.5	15.5



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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°	8.4	9.2	9.9	10.6	11.4	12.2	12.5	12.8	13.5	14.2	14.9
-25°	8.2	9.0	9.7	10.4	11.2	11.9	12.5	12.5	13.1	13.8	14.5
-27.5°	8.0	8.8	9.5	10.2	10.9	11.6	12.3	12.5	12.8	13.4	14.1
-30°	7.8	8.5	9.3	9.9	10.6	11.3	12.0	12.5	12.5	13.0	13.6
-32.5°	7.6	8.3	9.0	9.7	10.3	10.9	11.6	12.2	12.5	12.6	13.1
-35°	7.4	8.0	8.7	9.4	10.0	10.6	11.2	11.8	12.4	12.5	12.7
-37.5°	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.5	12.5
-40°	6.9	7.5	8.1	8.7	9.3	9.8	10.4	10.9	11.5	12.0	12.5
-42.5°	6.7	7.2	7.8	8.3	8.9	9.5	10.0	10.5	11.0	11.5	12.0
-45°	6.4	6.9	7.4	8.0	8.5	9.0	9.5	10.0	10.5	10.9	11.4
-47.5°	6.0	6.6	7.1	7.6	8.1	8.6	9.1	9.5	10.0	10.4	10.8
-50°	5.7	6.2	6.8	7.2	7.7	8.1	8.6	9.0	9.5	9.8	10.2
-52.5°	5.4	5.9	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3	9.6
-55°	5.1	5.5	6.0	6.4	6.8	7.2	7.6	8.0	8.3	8.7	9.0
-57.5°	5.0	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.8	8.1	8.4
-60°	5.0	5.0	5.2	5.5	5.9	6.2	6.6	6.9	7.2	7.5	7.8
-62.5°	4.9	5.0	5.0	5.1	5.4	5.7	6.0	6.4	6.7	6.9	7.2
-65°	4.2	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.0	6.3	6.6
-67.5°	3.4	4.0	4.6	5.0	5.0	5.0	5.0	5.2	5.4	5.7	5.9
-70°	3.0	3.3	3.7	4.2	4.7	5.0	5.0	5.0	5.0	5.1	5.2
-72.5°	2.7	2.9	3.1	3.3	3.7	4.1	4.5	4.8	5.0	5.0	5.0
-75°	2.3	2.5	2.7	2.8	3.0	3.2	3.3	3.7	4.0	4.3	4.6
-77.5°	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.3
-80°	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.5	2.6
-82.5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
-85°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7
82.5°	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5
80°	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.3
77.5°	3.4	3.7	3.8	4.0	4.2	4.3	4.5	4.6	4.7	4.8	4.9
75°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.0	5.0	5.0	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7
70°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.4	6.5	6.6
67.5°	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4
65°	6.8	7.0	7.2	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2
62.5°	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.7	8.8	8.9	9.0
60°	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.5	9.6	9.8	9.8
57.5°	8.7	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.6
55°	9.4	9.7	9.9	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.5
52.5°	10.0	10.3	10.6	10.9	11.2	11.4	11.7	11.9	12.0	12.2	12.3
50°	10.6	10.9	11.3	11.6	11.9	12.2	12.4	12.5	12.5	12.5	12.5
47.5°	11.2	11.6	12.0	12.3	12.5	12.5	12.5	12.5	12.7	12.9	13.0
45°	11.8	12.2	12.5	12.5	12.5	12.8	13.0	13.3	13.5	13.7	13.9
42.5°	12.4	12.5	12.5	12.8	13.1	13.5	13.8	14.1	14.3	14.5	14.7
40°	12.5	12.6	13.0	13.4	13.8	14.2	14.5	14.8	15.2	15.6	16.0
37.5°	12.7	13.1	13.6	14.1	14.5	14.9	15.5	16.1	16.7	17.5	18.1
35°	13.2	13.7	14.3	14.7	15.3	16.1	17.0	18.1	19.0	20.4	21.8
32.5°	13.7	14.3	14.8	15.6	16.6	17.9	19.1	21.3	23.3	25.5	27.7
30°	14.3	14.8	15.7	16.9	18.4	20.5	23.1	26.3	29.5	33.1	37.9
27.5°	14.7	15.6	16.9	18.6	21.2	24.3	28.6	33.3	40.4	46.7	55.3
25°	15.3	16.6	18.4	21.2	24.9	29.8	37.1	45.6	58.4	84.4	122.5
22.5°	16.1	17.9	20.5	24.3	29.8	38.3	49.1	71.5	121.7	177.2	213.6
20°	17.0	19.1	23.1	28.6	37.1	49.1	76.1	144.8	205.2	243.8	280.1
17.5°	18.1	21.3	26.3	33.3	45.6	71.5	144.8	212.6	259.5	315.8	369.2
15°	19.0	23.3	29.5	40.4	58.4	121.7	205.2	259.5	328.0	409.2	534.6
12.5°	20.4	25.5	33.1	46.7	84.4	177.2	243.8	315.8	409.2	582.2	864.0
10°	21.8	27.7	37.9	55.3	122.5	213.6	280.1	369.2	534.6	864.0	1401.9
7.5°	22.8	29.4	41.7	67.6	159.3	238.0	319.3	438.0	714.0	1259.5	1994.4
5°	23.6	30.7	44.4	79.0	181.8	256.0	348.4	513.3	906.8	1638.0	2464.4
2.5°	24.0	31.4	46.1	90.6	195.3	267.0	366.3	573.5	1060.5	1896.3	2746.6
0°	24.2	31.7	46.7	94.6	199.9	270.7	372.4	596.5	1113.0	1986.0	2844.1
-2.5°	24.0	31.4	46.1	90.6	195.3	267.0	366.3	573.5	1060.5	1896.3	2746.6
-5°	23.6	30.7	44.4	79.0	181.8	256.0	348.4	513.3	906.8	1638.0	2464.4
-7.5°	22.8	29.4	41.7	67.6	159.3	238.0	319.3	438.0	714.0	1259.5	1994.4
-10°	21.8	27.7	37.9	55.3	122.5	213.6	280.1	369.2	534.6	864.0	1401.9
-12.5°	20.4	25.5	33.1	46.7	84.4	177.2	243.8	315.8	409.2	582.2	864.0
-15°	19.0	23.3	29.5	40.4	58.4	121.7	205.2	259.5	328.0	409.2	534.6
-17.5°	18.1	21.3	26.3	33.3	45.6	71.5	144.8	212.6	259.5	315.8	369.2
-20°	17.0	19.1	23.1	28.6	37.1	49.1	76.1	144.8	205.2	243.8	280.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16.1	17.9	20.5	24.3	29.8	38.3	49.1	71.5	121.7	177.2	213.6
-25°	15.3	16.6	18.4	21.2	24.9	29.8	37.1	45.6	58.4	84.4	122.5
-27.5°	14.7	15.6	16.9	18.6	21.2	24.3	28.6	33.3	40.4	46.7	55.3
-30°	14.3	14.8	15.7	16.9	18.4	20.5	23.1	26.3	29.5	33.1	37.9
-32.5°	13.7	14.3	14.8	15.6	16.6	17.9	19.1	21.3	23.3	25.5	27.7
-35°	13.2	13.7	14.3	14.7	15.3	16.1	17.0	18.1	19.0	20.4	21.8
-37.5°	12.7	13.1	13.6	14.1	14.5	14.9	15.5	16.1	16.7	17.5	18.1
-40°	12.5	12.6	13.0	13.4	13.8	14.2	14.5	14.8	15.2	15.6	16.0
-42.5°	12.4	12.5	12.5	12.8	13.1	13.5	13.8	14.1	14.3	14.5	14.7
-45°	11.8	12.2	12.5	12.5	12.5	12.8	13.0	13.3	13.5	13.7	13.9
-47.5°	11.2	11.6	12.0	12.3	12.5	12.5	12.5	12.5	12.7	12.9	13.0
-50°	10.6	10.9	11.3	11.6	11.9	12.2	12.4	12.5	12.5	12.5	12.5
-52.5°	10.0	10.3	10.6	10.9	11.2	11.4	11.7	11.9	12.0	12.2	12.3
-55°	9.4	9.7	9.9	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.5
-57.5°	8.7	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.4	10.5	10.6
-60°	8.0	8.3	8.5	8.8	9.0	9.2	9.4	9.5	9.6	9.8	9.8
-62.5°	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.7	8.8	8.9	9.0
-65°	6.8	7.0	7.2	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2
-67.5°	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4
-70°	5.4	5.6	5.7	5.9	6.0	6.1	6.2	6.4	6.4	6.5	6.6
-72.5°	5.0	5.0	5.0	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7
-75°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-77.5°	3.4	3.7	3.8	4.0	4.2	4.3	4.5	4.6	4.7	4.8	4.9
-80°	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.3
-82.5°	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.4	2.5
-85°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
77.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7	4.6
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
70°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.4
67.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.1
65°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
62.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.7
60°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.6	9.5
57.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
55°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.4	11.2	11.0
52.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.9
50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
47.5°	13.2	13.2	13.3	13.3	13.3	13.2	13.2	13.0	12.9	12.7	12.5
45°	14.0	14.1	14.2	14.2	14.2	14.1	14.0	13.9	13.7	13.5	13.3
42.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.5	14.3	14.1
40°	16.3	16.5	16.7	16.7	16.7	16.5	16.3	16.0	15.6	15.2	14.8
37.5°	18.6	18.9	19.1	19.2	19.1	18.9	18.6	18.1	17.5	16.7	16.1
35°	22.8	23.6	24.0	24.2	24.0	23.6	22.8	21.8	20.4	19.0	18.1
32.5°	29.4	30.7	31.4	31.7	31.4	30.7	29.4	27.7	25.5	23.3	21.3
30°	41.7	44.4	46.1	46.7	46.1	44.4	41.7	37.9	33.1	29.5	26.3
27.5°	67.6	79.0	90.6	94.6	90.6	79.0	67.6	55.3	46.7	40.4	33.3
25°	159.3	181.8	195.3	199.9	195.3	181.8	159.3	122.5	84.4	58.4	45.6
22.5°	238.0	256.0	267.0	270.7	267.0	256.0	238.0	213.6	177.2	121.7	71.5
20°	319.3	348.4	366.3	372.4	366.3	348.4	319.3	280.1	243.8	205.2	144.8
17.5°	438.0	513.3	573.5	596.5	573.5	513.3	438.0	369.2	315.8	259.5	212.6
15°	714.0	906.8	1060.5	1113.0	1060.5	906.8	714.0	534.6	409.2	328.0	259.5
12.5°	1259.5	1638.0	1896.3	1986.0	1896.3	1638.0	1259.5	864.0	582.2	409.2	315.8
10°	1994.4	2464.4	2746.6	2844.1	2746.6	2464.4	1994.4	1401.9	864.0	534.6	369.2
7.5°	2654.9	3137.2	3440.9	3543.1	3440.9	3137.2	2654.9	1994.4	1259.5	714.0	438.0
5°	3137.2	3652.8	3978.5	4096.2	3978.5	3652.8	3137.2	2464.4	1638.0	906.8	513.3
2.5°	3440.9	3978.5	4326.9	4444.4	4326.9	3978.5	3440.9	2746.6	1896.3	1060.5	573.5
0°	3543.1	4096.2	4444.4	4589.4	4444.4	4096.2	3543.1	2844.1	1986.0	1113.0	596.5
-2.5°	3440.9	3978.5	4326.9	4444.4	4326.9	3978.5	3440.9	2746.6	1896.3	1060.5	573.5
-5°	3137.2	3652.8	3978.5	4096.2	3978.5	3652.8	3137.2	2464.4	1638.0	906.8	513.3
-7.5°	2654.9	3137.2	3440.9	3543.1	3440.9	3137.2	2654.9	1994.4	1259.5	714.0	438.0
-10°	1994.4	2464.4	2746.6	2844.1	2746.6	2464.4	1994.4	1401.9	864.0	534.6	369.2
-12.5°	1259.5	1638.0	1896.3	1986.0	1896.3	1638.0	1259.5	864.0	582.2	409.2	315.8
-15°	714.0	906.8	1060.5	1113.0	1060.5	906.8	714.0	534.6	409.2	328.0	259.5
-17.5°	438.0	513.3	573.5	596.5	573.5	513.3	438.0	369.2	315.8	259.5	212.6
-20°	319.3	348.4	366.3	372.4	366.3	348.4	319.3	280.1	243.8	205.2	144.8



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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°	238.0	256.0	267.0	270.7	267.0	256.0	238.0	213.6	177.2	121.7	71.5
-25°	159.3	181.8	195.3	199.9	195.3	181.8	159.3	122.5	84.4	58.4	45.6
-27.5°	67.6	79.0	90.6	94.6	90.6	79.0	67.6	55.3	46.7	40.4	33.3
-30°	41.7	44.4	46.1	46.7	46.1	44.4	41.7	37.9	33.1	29.5	26.3
-32.5°	29.4	30.7	31.4	31.7	31.4	30.7	29.4	27.7	25.5	23.3	21.3
-35°	22.8	23.6	24.0	24.2	24.0	23.6	22.8	21.8	20.4	19.0	18.1
-37.5°	18.6	18.9	19.1	19.2	19.1	18.9	18.6	18.1	17.5	16.7	16.1
-40°	16.3	16.5	16.7	16.7	16.7	16.5	16.3	16.0	15.6	15.2	14.8
-42.5°	14.8	14.9	15.0	15.0	15.0	14.9	14.8	14.7	14.5	14.3	14.1
-45°	14.0	14.1	14.2	14.2	14.2	14.1	14.0	13.9	13.7	13.5	13.3
-47.5°	13.2	13.2	13.3	13.3	13.3	13.2	13.2	13.0	12.9	12.7	12.5
-50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
-52.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.9
-55°	11.6	11.6	11.7	11.7	11.7	11.6	11.6	11.5	11.4	11.2	11.0
-57.5°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
-60°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.6	9.5
-62.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.7
-65°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
-67.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.1
-70°	6.6	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.4
-72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-77.5°	4.9	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7	4.6
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
85°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
82.5°	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
80°	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4
77.5°	4.5	4.3	4.2	4.0	3.8	3.7	3.4	3.3	3.2	3.0	2.9
75°	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.3	4.0	3.7
72.5°	5.5	5.4	5.3	5.2	5.0	5.0	5.0	5.0	5.0	5.0	4.8
70°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	5.0	5.0
67.5°	7.0	6.9	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.4	5.2
65°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.3	6.0	5.8
62.5°	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.4
60°	9.4	9.2	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	6.9
57.5°	10.1	9.9	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.8	7.4
55°	10.8	10.6	10.4	10.2	9.9	9.7	9.4	9.0	8.7	8.3	8.0
52.5°	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.5
50°	12.4	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8	9.5	9.0
47.5°	12.5	12.5	12.5	12.3	12.0	11.6	11.2	10.8	10.4	10.0	9.5
45°	13.0	12.8	12.5	12.5	12.5	12.2	11.8	11.4	10.9	10.5	10.0
42.5°	13.8	13.5	13.1	12.8	12.5	12.5	12.4	12.0	11.5	11.0	10.5
40°	14.5	14.2	13.8	13.4	13.0	12.6	12.5	12.5	12.0	11.5	10.9
37.5°	15.5	14.9	14.5	14.1	13.6	13.1	12.7	12.5	12.5	12.0	11.4
35°	17.0	16.1	15.3	14.7	14.3	13.7	13.2	12.7	12.5	12.4	11.8
32.5°	19.1	17.9	16.6	15.6	14.8	14.3	13.7	13.1	12.6	12.5	12.2
30°	23.1	20.5	18.4	16.9	15.7	14.8	14.3	13.6	13.0	12.5	12.5
27.5°	28.6	24.3	21.2	18.6	16.9	15.6	14.7	14.1	13.4	12.8	12.5
25°	37.1	29.8	24.9	21.2	18.4	16.6	15.3	14.5	13.8	13.1	12.5
22.5°	49.1	38.3	29.8	24.3	20.5	17.9	16.1	14.9	14.2	13.5	12.8
20°	76.1	49.1	37.1	28.6	23.1	19.1	17.0	15.5	14.5	13.8	13.0
17.5°	144.8	71.5	45.6	33.3	26.3	21.3	18.1	16.1	14.8	14.1	13.3
15°	205.2	121.7	58.4	40.4	29.5	23.3	19.0	16.7	15.2	14.3	13.5
12.5°	243.8	177.2	84.4	46.7	33.1	25.5	20.4	17.5	15.6	14.5	13.7
10°	280.1	213.6	122.5	55.3	37.9	27.7	21.8	18.1	16.0	14.7	13.9
7.5°	319.3	238.0	159.3	67.6	41.7	29.4	22.8	18.6	16.3	14.8	14.0
5°	348.4	256.0	181.8	79.0	44.4	30.7	23.6	18.9	16.5	14.9	14.1
2.5°	366.3	267.0	195.3	90.6	46.1	31.4	24.0	19.1	16.7	15.0	14.2
0°	372.4	270.7	199.9	94.6	46.7	31.7	24.2	19.2	16.7	15.0	14.2
-2.5°	366.3	267.0	195.3	90.6	46.1	31.4	24.0	19.1	16.7	15.0	14.2
-5°	348.4	256.0	181.8	79.0	44.4	30.7	23.6	18.9	16.5	14.9	14.1
-7.5°	319.3	238.0	159.3	67.6	41.7	29.4	22.8	18.6	16.3	14.8	14.0
-10°	280.1	213.6	122.5	55.3	37.9	27.7	21.8	18.1	16.0	14.7	13.9
-12.5°	243.8	177.2	84.4	46.7	33.1	25.5	20.4	17.5	15.6	14.5	13.7
-15°	205.2	121.7	58.4	40.4	29.5	23.3	19.0	16.7	15.2	14.3	13.5
-17.5°	144.8	71.5	45.6	33.3	26.3	21.3	18.1	16.1	14.8	14.1	13.3
-20°	76.1	49.1	37.1	28.6	23.1	19.1	17.0	15.5	14.5	13.8	13.0



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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°	49.1	38.3	29.8	24.3	20.5	17.9	16.1	14.9	14.2	13.5	12.8
-25°	37.1	29.8	24.9	21.2	18.4	16.6	15.3	14.5	13.8	13.1	12.5
-27.5°	28.6	24.3	21.2	18.6	16.9	15.6	14.7	14.1	13.4	12.8	12.5
-30°	23.1	20.5	18.4	16.9	15.7	14.8	14.3	13.6	13.0	12.5	12.5
-32.5°	19.1	17.9	16.6	15.6	14.8	14.3	13.7	13.1	12.6	12.5	12.2
-35°	17.0	16.1	15.3	14.7	14.3	13.7	13.2	12.7	12.5	12.4	11.8
-37.5°	15.5	14.9	14.5	14.1	13.6	13.1	12.7	12.5	12.5	12.0	11.4
-40°	14.5	14.2	13.8	13.4	13.0	12.6	12.5	12.5	12.0	11.5	10.9
-42.5°	13.8	13.5	13.1	12.8	12.5	12.5	12.4	12.0	11.5	11.0	10.5
-45°	13.0	12.8	12.5	12.5	12.5	12.2	11.8	11.4	10.9	10.5	10.0
-47.5°	12.5	12.5	12.5	12.3	12.0	11.6	11.2	10.8	10.4	10.0	9.5
-50°	12.4	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.8	9.5	9.0
-52.5°	11.7	11.4	11.2	10.9	10.6	10.3	10.0	9.6	9.3	8.9	8.5
-55°	10.8	10.6	10.4	10.2	9.9	9.7	9.4	9.0	8.7	8.3	8.0
-57.5°	10.1	9.9	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.8	7.4
-60°	9.4	9.2	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.2	6.9
-62.5°	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.2	6.9	6.7	6.4
-65°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.3	6.0	5.8
-67.5°	7.0	6.9	6.8	6.6	6.5	6.3	6.1	5.9	5.7	5.4	5.2
-70°	6.2	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	5.0	5.0
-72.5°	5.5	5.4	5.3	5.2	5.0	5.0	5.0	5.0	5.0	5.0	4.8
-75°	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.3	4.0	3.7
-77.5°	4.5	4.3	4.2	4.0	3.8	3.7	3.4	3.3	3.2	3.0	2.9
-80°	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4
-82.5°	2.4	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-85°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
80°	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	1.0
77.5°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
75°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
72.5°	4.5	4.1	3.7	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8
70°	5.0	5.0	4.7	4.2	3.7	3.3	3.0	2.8	2.5	2.2	2.0
67.5°	5.0	5.0	5.0	5.0	4.6	4.0	3.4	3.1	2.8	2.5	2.2
65°	5.5	5.2	5.0	5.0	5.0	4.8	4.2	3.5	3.1	2.8	2.4
62.5°	6.0	5.7	5.4	5.1	5.0	5.0	4.9	4.2	3.4	3.0	2.7
60°	6.6	6.2	5.9	5.5	5.2	5.0	5.0	4.8	4.0	3.3	2.9
57.5°	7.1	6.8	6.4	6.0	5.6	5.2	5.0	5.0	4.6	3.7	3.1
55°	7.6	7.2	6.8	6.4	6.0	5.5	5.1	5.0	5.0	4.2	3.3
52.5°	8.1	7.7	7.3	6.8	6.4	5.9	5.4	5.0	5.0	4.7	3.7
50°	8.6	8.1	7.7	7.2	6.8	6.2	5.7	5.2	5.0	5.0	4.1
47.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.0	5.5	5.0	5.0	4.5
45°	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.8	5.2	5.0	4.8
42.5°	10.0	9.5	8.9	8.3	7.8	7.2	6.7	6.0	5.4	5.0	5.0
40°	10.4	9.8	9.3	8.7	8.1	7.5	6.9	6.3	5.7	5.1	5.0
37.5°	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	5.9	5.2	5.0
35°	11.2	10.6	10.0	9.4	8.7	8.0	7.4	6.8	6.1	5.4	5.0
32.5°	11.6	10.9	10.3	9.7	9.0	8.3	7.6	7.0	6.3	5.6	5.0
30°	12.0	11.3	10.6	9.9	9.3	8.5	7.8	7.2	6.5	5.7	5.0
27.5°	12.3	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.6	5.9	5.2
25°	12.5	11.9	11.2	10.4	9.7	9.0	8.2	7.5	6.8	6.0	5.3
22.5°	12.5	12.2	11.4	10.6	9.9	9.2	8.4	7.7	6.9	6.1	5.4
20°	12.5	12.4	11.7	10.8	10.1	9.4	8.6	7.8	7.0	6.2	5.5
17.5°	12.5	12.5	11.9	11.0	10.3	9.5	8.7	7.9	7.1	6.4	5.5
15°	12.7	12.5	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
12.5°	12.9	12.5	12.2	11.4	10.5	9.8	8.9	8.1	7.3	6.5	5.7
10°	13.0	12.5	12.3	11.5	10.6	9.8	9.0	8.2	7.4	6.6	5.7
7.5°	13.2	12.5	12.4	11.6	10.7	9.9	9.1	8.2	7.4	6.6	5.8
5°	13.2	12.5	12.4	11.6	10.8	10.0	9.2	8.3	7.5	6.7	5.8
2.5°	13.3	12.5	12.5	11.7	10.8	10.0	9.2	8.3	7.5	6.7	5.8
0°	13.3	12.5	12.5	11.7	10.8	10.0	9.2	8.3	7.5	6.7	5.8
-2.5°	13.3	12.5	12.5	11.7	10.8	10.0	9.2	8.3	7.5	6.7	5.8
-5°	13.2	12.5	12.4	11.6	10.8	10.0	9.2	8.3	7.5	6.7	5.8
-7.5°	13.2	12.5	12.4	11.6	10.7	9.9	9.1	8.2	7.4	6.6	5.8
-10°	13.0	12.5	12.3	11.5	10.6	9.8	9.0	8.2	7.4	6.6	5.7
-12.5°	12.9	12.5	12.2	11.4	10.5	9.8	8.9	8.1	7.3	6.5	5.7
-15°	12.7	12.5	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6
-17.5°	12.5	12.5	11.9	11.0	10.3	9.5	8.7	7.9	7.1	6.4	5.5
-20°	12.5	12.4	11.7	10.8	10.1	9.4	8.6	7.8	7.0	6.2	5.5



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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°	12.5	12.2	11.4	10.6	9.9	9.2	8.4	7.7	6.9	6.1	5.4
-25°	12.5	11.9	11.2	10.4	9.7	9.0	8.2	7.5	6.8	6.0	5.3
-27.5°	12.3	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.6	5.9	5.2
-30°	12.0	11.3	10.6	9.9	9.3	8.5	7.8	7.2	6.5	5.7	5.0
-32.5°	11.6	10.9	10.3	9.7	9.0	8.3	7.6	7.0	6.3	5.6	5.0
-35°	11.2	10.6	10.0	9.4	8.7	8.0	7.4	6.8	6.1	5.4	5.0
-37.5°	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	5.9	5.2	5.0
-40°	10.4	9.8	9.3	8.7	8.1	7.5	6.9	6.3	5.7	5.1	5.0
-42.5°	10.0	9.5	8.9	8.3	7.8	7.2	6.7	6.0	5.4	5.0	5.0
-45°	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.8	5.2	5.0	4.8
-47.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.0	5.5	5.0	5.0	4.5
-50°	8.6	8.1	7.7	7.2	6.8	6.2	5.7	5.2	5.0	5.0	4.1
-52.5°	8.1	7.7	7.3	6.8	6.4	5.9	5.4	5.0	5.0	4.7	3.7
-55°	7.6	7.2	6.8	6.4	6.0	5.5	5.1	5.0	5.0	4.2	3.3
-57.5°	7.1	6.8	6.4	6.0	5.6	5.2	5.0	5.0	4.6	3.7	3.1
-60°	6.6	6.2	5.9	5.5	5.2	5.0	5.0	4.8	4.0	3.3	2.9
-62.5°	6.0	5.7	5.4	5.1	5.0	5.0	4.9	4.2	3.4	3.0	2.7
-65°	5.5	5.2	5.0	5.0	5.0	4.8	4.2	3.5	3.1	2.8	2.4
-67.5°	5.0	5.0	5.0	5.0	4.6	4.0	3.4	3.1	2.8	2.5	2.2
-70°	5.0	5.0	4.7	4.2	3.7	3.3	3.0	2.8	2.5	2.2	2.0
-72.5°	4.5	4.1	3.7	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8
-75°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5
-77.5°	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.4	1.2
-80°	2.3	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.1	1.0
-82.5°	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7
-85°	1.1	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)