

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: P220379 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-FL-LED3590-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220379 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29418)
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]-FL-LED3590-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, FLUSH LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	880.3 lumens	Max Intensity:	4814.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	88.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	38.1°H x 38.1°V
Beam Lumens:	448.4 lumens	Field Lumens:	689.6 lumens
Beam Efficiency:	50.9%	Field Efficiency:	78.3%

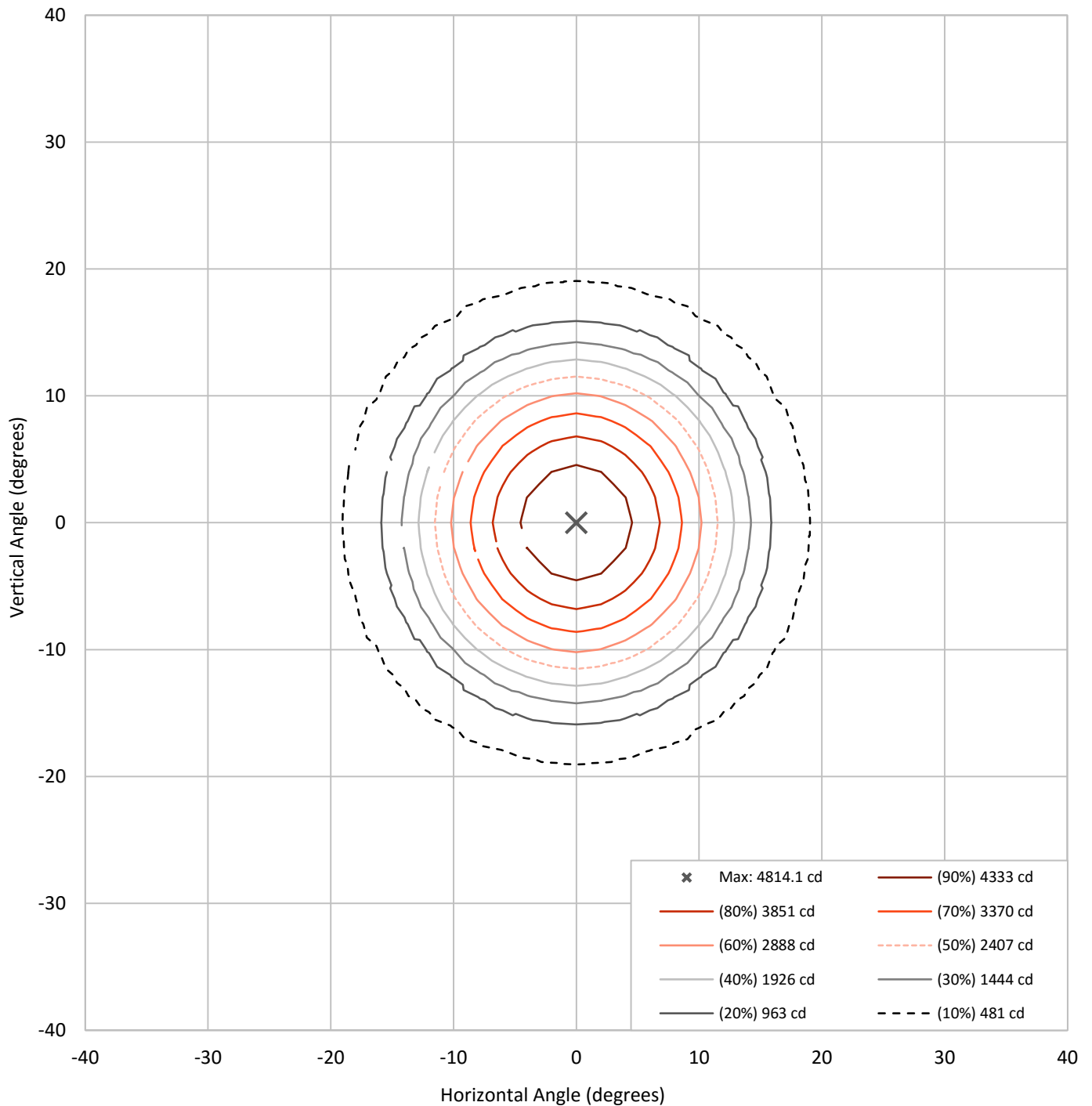
Input Watts (W): 10
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-M-WT-L1-UNV

Iso-Candela Plot



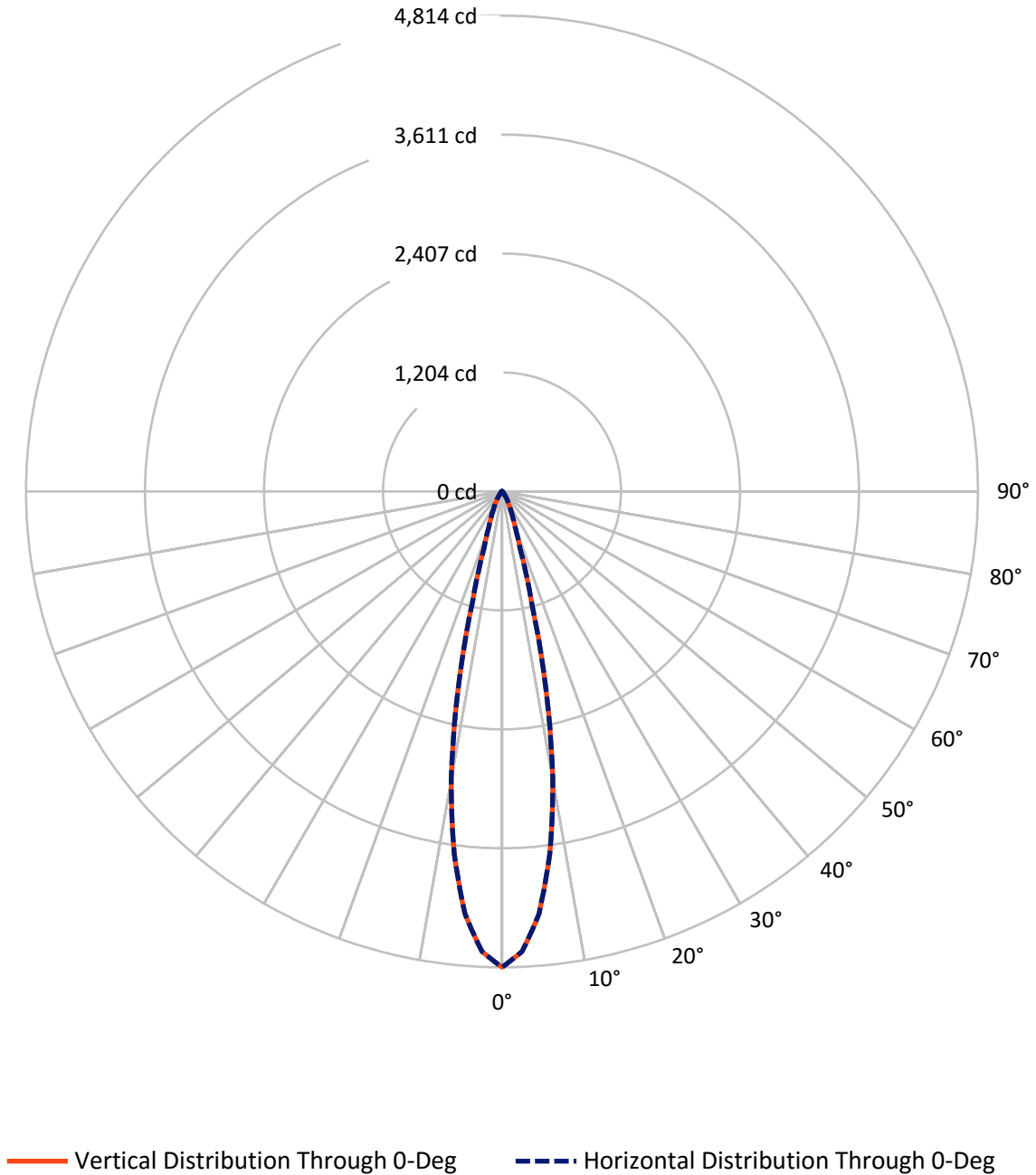
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Lumen Table

90	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
60		0.0	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				
50	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1	0.1			
40		0.1	0.1	0.2	0.3	0.6	1.2	1.8	1.8	1.2	0.6	0.3	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.2	0.5	1.8	4.2	6.6	6.6	4.2	1.8	0.5	0.2	0.1	0.1	0.1			
20		0.1	0.1	0.3	1.0	4.0	11.7	33.6	33.6	11.7	4.0	1.0	0.3	0.1	0.1				
10	0.1	0.1	0.1	0.3	1.5	6.0	32.7	106.8	106.8	32.7	6.0	1.5	0.3	0.1	0.1	0.1			
0		0.1	0.1	0.3	1.5	6.0	32.7	106.8	106.8	32.7	6.0	1.5	0.3	0.1	0.1				
-10	0.1	0.1	0.1	0.3	1.0	4.0	11.7	33.6	33.6	11.7	4.0	1.0	0.3	0.1	0.1	0.1			
-20		0.1	0.1	0.2	0.5	1.8	4.2	6.6	6.6	4.2	1.8	0.5	0.2	0.1	0.1				
-30	0.1	0.1	0.1	0.2	0.3	0.6	1.2	1.8	1.8	1.2	0.6	0.3	0.2	0.1	0.1	0.1			
-40		0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1				
-50	0.0	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	0.0			
-60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0				
-70	0.0	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0					0.0				
-80		0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0									
-90	0.0	0.1	0.2	0.3	0.3	0.3	0.2	0.1	0.0										

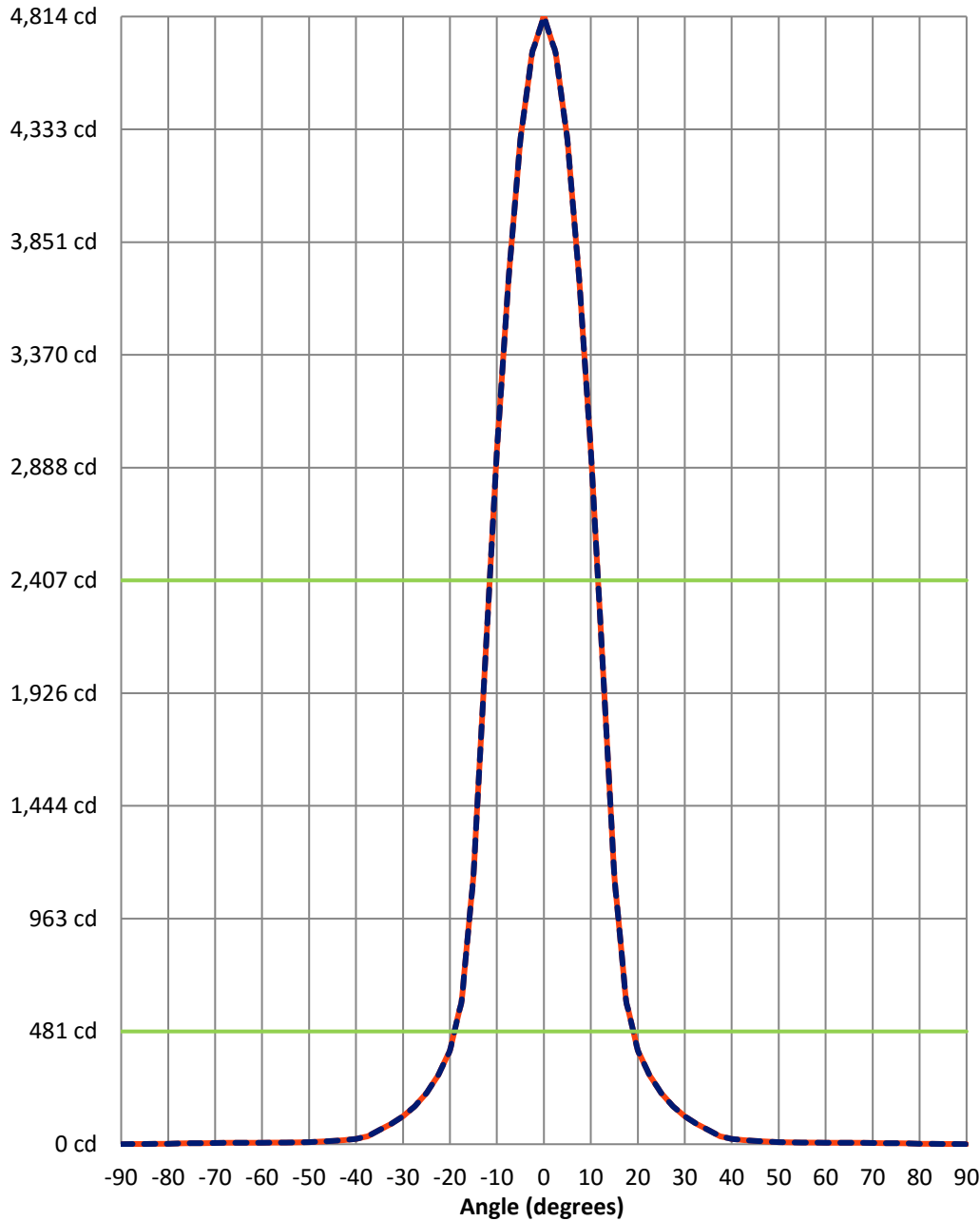
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-M-WT-L1-UNV

Luminous Intensity Polar Plot



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-M-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 23.1°
 V Angle: 23.1°
 Lumens: 448.4
 Efficiency: 50.9%

Field:
 H Angle: 38.1°
 V Angle: 38.1°
 Lumens: 689.6
 Efficiency: 78.3%

Spill:
 Lumens: 190.7
 Efficiency: 21.7%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4
85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
82.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	0.9	0.9
80°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.9	1.0
75°	0.0	0.2	0.5	0.7	0.9	0.9	0.9	0.9	0.9	1.1	1.3
72.5°	0.0	0.3	0.5	0.8	0.9	0.9	0.9	1.0	1.2	1.4	1.6
70°	0.0	0.3	0.6	0.9	0.9	0.9	0.9	1.2	1.4	1.7	1.7
67.5°	0.0	0.3	0.7	0.9	0.9	0.9	1.1	1.4	1.7	1.7	1.7
65°	0.0	0.4	0.8	0.9	0.9	1.0	1.3	1.6	1.7	1.7	1.9
62.5°	0.0	0.4	0.8	0.9	0.9	1.1	1.5	1.7	1.7	1.8	2.6
60°	0.0	0.4	0.9	0.9	0.9	1.3	1.7	1.7	1.7	2.4	3.3
57.5°	0.0	0.5	0.9	0.9	1.0	1.4	1.7	1.7	2.1	3.0	3.7
55°	0.0	0.5	0.9	0.9	1.1	1.6	1.7	1.7	2.6	3.6	4.0
52.5°	0.0	0.5	0.9	0.9	1.2	1.7	1.7	2.1	3.2	3.8	4.3
50°	0.0	0.6	0.9	0.9	1.4	1.7	1.7	2.5	3.6	4.1	4.3
47.5°	0.0	0.6	0.9	0.9	1.5	1.7	1.8	2.9	3.8	4.3	4.3
45°	0.0	0.6	0.9	1.0	1.6	1.7	2.1	3.3	4.0	4.3	4.3
42.5°	0.0	0.7	0.9	1.1	1.7	1.7	2.4	3.6	4.2	4.3	4.5
40°	0.0	0.7	0.9	1.1	1.7	1.7	2.7	3.8	4.3	4.3	4.8
37.5°	0.0	0.7	0.9	1.2	1.7	1.7	3.0	3.9	4.3	4.4	5.1
35°	0.0	0.7	0.9	1.3	1.7	1.9	3.3	4.1	4.3	4.6	5.3
32.5°	0.0	0.8	0.9	1.3	1.7	2.1	3.5	4.2	4.3	4.8	5.5
30°	0.0	0.8	0.9	1.4	1.7	2.3	3.6	4.3	4.3	5.0	5.7
27.5°	0.0	0.8	0.9	1.4	1.7	2.5	3.7	4.3	4.4	5.1	5.9
25°	0.0	0.8	0.9	1.5	1.7	2.6	3.8	4.3	4.5	5.3	6.1
22.5°	0.0	0.8	0.9	1.5	1.7	2.8	3.9	4.3	4.6	5.5	6.1
20°	0.0	0.8	0.9	1.6	1.7	2.9	4.0	4.3	4.7	5.6	6.1
17.5°	0.0	0.9	0.9	1.6	1.7	3.1	4.1	4.3	4.9	5.7	6.1
15°	0.0	0.9	0.9	1.6	1.7	3.2	4.1	4.3	4.9	5.8	6.1
12.5°	0.0	0.9	0.9	1.6	1.7	3.3	4.2	4.3	5.0	5.9	6.1
10°	0.0	0.9	0.9	1.7	1.7	3.4	4.2	4.3	5.1	6.0	6.1
7.5°	0.0	0.9	0.9	1.7	1.7	3.4	4.3	4.3	5.1	6.0	6.1
5°	0.0	0.9	0.9	1.7	1.7	3.5	4.3	4.3	5.2	6.1	6.1
2.5°	0.0	0.9	0.9	1.7	1.7	3.5	4.3	4.3	5.2	6.1	6.1
0°	0.0	0.9	0.9	1.7	1.7	3.5	4.3	4.3	5.2	6.1	6.1
-2.5°	0.0	0.9	0.9	1.7	1.7	3.5	4.3	4.3	5.2	6.1	6.1
-5°	0.0	0.9	0.9	1.7	1.7	3.5	4.3	4.3	5.2	6.1	6.1
-7.5°	0.0	0.9	0.9	1.7	1.7	3.4	4.3	4.3	5.1	6.0	6.1
-10°	0.0	0.9	0.9	1.7	1.7	3.4	4.2	4.3	5.1	6.0	6.1
-12.5°	0.0	0.9	0.9	1.6	1.7	3.3	4.2	4.3	5.0	5.9	6.1
-15°	0.0	0.9	0.9	1.6	1.7	3.2	4.1	4.3	4.9	5.8	6.1
-17.5°	0.0	0.9	0.9	1.6	1.7	3.1	4.1	4.3	4.9	5.7	6.1
-20°	0.0	0.8	0.9	1.6	1.7	2.9	4.0	4.3	4.7	5.6	6.1



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-FL-LED3590-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	0.8	0.9	1.5	1.7	2.8	3.9	4.3	4.6	5.5	6.1
-25°	0.0	0.8	0.9	1.5	1.7	2.6	3.8	4.3	4.5	5.3	6.1
-27.5°	0.0	0.8	0.9	1.4	1.7	2.5	3.7	4.3	4.4	5.1	5.9
-30°	0.0	0.8	0.9	1.4	1.7	2.3	3.6	4.3	4.3	5.0	5.7
-32.5°	0.0	0.8	0.9	1.3	1.7	2.1	3.5	4.2	4.3	4.8	5.5
-35°	0.0	0.7	0.9	1.3	1.7	1.9	3.3	4.1	4.3	4.6	5.3
-37.5°	0.0	0.7	0.9	1.2	1.7	1.7	3.0	3.9	4.3	4.4	5.1
-40°	0.0	0.7	0.9	1.1	1.7	1.7	2.7	3.8	4.3	4.3	4.8
-42.5°	0.0	0.7	0.9	1.1	1.7	1.7	2.4	3.6	4.2	4.3	4.5
-45°	0.0	0.6	0.9	1.0	1.6	1.7	2.1	3.3	4.0	4.3	4.3
-47.5°	0.0	0.6	0.9	0.9	1.5	1.7	1.8	2.9	3.8	4.3	4.3
-50°	0.0	0.6	0.9	0.9	1.4	1.7	1.7	2.5	3.6	4.1	4.3
-52.5°	0.0	0.5	0.9	0.9	1.2	1.7	1.7	2.1	3.2	3.8	4.3
-55°	0.0	0.5	0.9	0.9	1.1	1.6	1.7	1.7	2.6	3.6	4.0
-57.5°	0.0	0.5	0.9	0.9	1.0	1.4	1.7	1.7	2.1	3.0	3.7
-60°	0.0	0.4	0.9	0.9	0.9	1.3	1.7	1.7	1.7	2.4	3.3
-62.5°	0.0	0.4	0.8	0.9	0.9	1.1	1.5	1.7	1.7	1.8	2.6
-65°	0.0	0.4	0.8	0.9	0.9	1.0	1.3	1.6	1.7	1.7	1.9
-67.5°	0.0	0.3	0.7	0.9	0.9	0.9	1.1	1.4	1.7	1.7	1.7
-70°	0.0	0.3	0.6	0.9	0.9	0.9	0.9	1.2	1.4	1.7	1.7
-72.5°	0.0	0.3	0.5	0.8	0.9	0.9	0.9	1.0	1.2	1.4	1.6
-75°	0.0	0.2	0.5	0.7	0.9	0.9	0.9	0.9	0.9	1.1	1.3
-77.5°	0.0	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.9	1.0
-80°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.9
-82.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	0.9	0.9
-85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.4
-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	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.2
80°	0.9	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.7	1.7
77.5°	1.1	1.3	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
75°	1.5	1.7	1.7	1.7	1.7	1.7	1.8	2.1	2.4	2.7	3.0
72.5°	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.6	3.8	3.9
70°	1.7	1.7	2.1	2.6	3.2	3.6	3.8	4.0	4.2	4.3	4.3
67.5°	1.8	2.4	3.0	3.6	3.8	4.1	4.3	4.3	4.3	4.3	4.4
65°	2.6	3.3	3.7	4.0	4.3	4.3	4.3	4.3	4.5	4.8	5.1
62.5°	3.4	3.8	4.1	4.3	4.3	4.3	4.5	4.9	5.2	5.5	5.7
60°	3.8	4.1	4.3	4.3	4.4	4.7	5.1	5.5	5.8	6.1	6.1
57.5°	4.1	4.3	4.3	4.5	4.9	5.3	5.7	6.0	6.1	6.1	6.1
55°	4.3	4.3	4.5	4.9	5.4	5.8	6.1	6.1	6.1	6.1	6.1
52.5°	4.3	4.4	4.9	5.4	5.8	6.1	6.1	6.1	6.1	6.1	6.1
50°	4.3	4.7	5.3	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.3
47.5°	4.5	5.1	5.7	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.5
45°	4.9	5.5	6.0	6.1	6.1	6.1	6.1	6.1	6.6	6.9	6.9
42.5°	5.2	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.6	6.9	7.2
40°	5.5	6.1	6.1	6.1	6.1	6.1	6.1	6.5	6.9	6.9	7.2
37.5°	5.7	6.1	6.1	6.1	6.1	6.3	6.9	6.9	7.2	7.8	8.3
35°	6.0	6.1	6.1	6.1	6.1	6.7	6.9	7.0	7.7	8.3	9.3
32.5°	6.1	6.1	6.1	6.1	6.4	6.9	6.9	7.5	8.1	9.0	10.8
30°	6.1	6.1	6.1	6.1	6.7	6.9	7.2	7.9	8.6	10.3	12.2
27.5°	6.1	6.1	6.1	6.3	6.9	6.9	7.6	8.3	9.6	11.6	13.6
25°	6.1	6.1	6.1	6.5	6.9	7.1	7.9	8.6	10.7	12.8	15.3
22.5°	6.1	6.1	6.1	6.7	6.9	7.4	8.2	9.5	11.8	14.0	16.9
20°	6.1	6.1	6.2	6.9	6.9	7.7	8.5	10.4	12.7	15.4	18.9
17.5°	6.1	6.1	6.4	6.9	7.1	7.9	8.8	11.2	13.6	16.6	20.9
15°	6.1	6.1	6.5	6.9	7.3	8.1	9.5	11.9	14.5	17.9	22.7
12.5°	6.1	6.1	6.6	6.9	7.4	8.3	10.0	12.5	15.4	19.3	26.1
10°	6.1	6.1	6.7	6.9	7.6	8.4	10.5	13.0	16.1	20.5	28.8
7.5°	6.1	6.1	6.8	6.9	7.7	8.6	10.8	13.4	16.7	21.4	31.0
5°	6.1	6.1	6.9	6.9	7.7	8.6	11.1	13.7	17.1	22.1	32.6
2.5°	6.1	6.1	6.9	6.9	7.8	8.7	11.2	13.8	17.3	22.5	33.6
0°	6.1	6.1	6.9	6.9	7.8	8.7	11.3	13.9	17.4	22.6	33.9
-2.5°	6.1	6.1	6.9	6.9	7.8	8.7	11.2	13.8	17.3	22.5	33.6
-5°	6.1	6.1	6.9	6.9	7.7	8.6	11.1	13.7	17.1	22.1	32.6
-7.5°	6.1	6.1	6.8	6.9	7.7	8.6	10.8	13.4	16.7	21.4	31.0
-10°	6.1	6.1	6.7	6.9	7.6	8.4	10.5	13.0	16.1	20.5	28.8
-12.5°	6.1	6.1	6.6	6.9	7.4	8.3	10.0	12.5	15.4	19.3	26.1
-15°	6.1	6.1	6.5	6.9	7.3	8.1	9.5	11.9	14.5	17.9	22.7
-17.5°	6.1	6.1	6.4	6.9	7.1	7.9	8.8	11.2	13.6	16.6	20.9
-20°	6.1	6.1	6.2	6.9	6.9	7.7	8.5	10.4	12.7	15.4	18.9



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	6.1	6.1	6.1	6.7	6.9	7.4	8.2	9.5	11.8	14.0	16.9
-25°	6.1	6.1	6.1	6.5	6.9	7.1	7.9	8.6	10.7	12.8	15.3
-27.5°	6.1	6.1	6.1	6.3	6.9	6.9	7.6	8.3	9.6	11.6	13.6
-30°	6.1	6.1	6.1	6.1	6.7	6.9	7.2	7.9	8.6	10.3	12.2
-32.5°	6.1	6.1	6.1	6.1	6.4	6.9	6.9	7.5	8.1	9.0	10.8
-35°	6.0	6.1	6.1	6.1	6.1	6.7	6.9	7.0	7.7	8.3	9.3
-37.5°	5.7	6.1	6.1	6.1	6.1	6.3	6.9	6.9	7.2	7.8	8.3
-40°	5.5	6.1	6.1	6.1	6.1	6.1	6.5	6.9	6.9	7.2	7.8
-42.5°	5.2	5.8	6.1	6.1	6.1	6.1	6.1	6.6	6.9	6.9	7.2
-45°	4.9	5.5	6.0	6.1	6.1	6.1	6.1	6.1	6.6	6.9	6.9
-47.5°	4.5	5.1	5.7	6.1	6.1	6.1	6.1	6.1	6.1	6.5	6.9
-50°	4.3	4.7	5.3	5.8	6.1	6.1	6.1	6.1	6.1	6.1	6.3
-52.5°	4.3	4.4	4.9	5.4	5.8	6.1	6.1	6.1	6.1	6.1	6.1
-55°	4.3	4.3	4.5	4.9	5.4	5.8	6.1	6.1	6.1	6.1	6.1
-57.5°	4.1	4.3	4.3	4.5	4.9	5.3	5.7	6.0	6.1	6.1	6.1
-60°	3.8	4.1	4.3	4.3	4.4	4.7	5.1	5.5	5.8	6.1	6.1
-62.5°	3.4	3.8	4.1	4.3	4.3	4.3	4.5	4.9	5.2	5.5	5.7
-65°	2.6	3.3	3.7	4.0	4.3	4.3	4.3	4.3	4.5	4.8	5.1
-67.5°	1.8	2.4	3.0	3.6	3.8	4.1	4.3	4.3	4.3	4.3	4.4
-70°	1.7	1.7	2.1	2.6	3.2	3.6	3.8	4.0	4.2	4.3	4.3
-72.5°	1.7	1.7	1.7	1.7	2.1	2.5	2.9	3.3	3.6	3.8	3.9
-75°	1.5	1.7	1.7	1.7	1.7	1.7	1.8	2.1	2.4	2.7	3.0
-77.5°	1.1	1.3	1.4	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-80°	0.9	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7	1.7	1.7
-82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.1	1.2
-85°	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-87.5°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
-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	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.7
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.9	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.3	3.4
75°	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2
72.5°	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	4.3	4.3	4.3	4.4	4.5	4.6	4.7	4.9	4.9	5.0	5.1
67.5°	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.7	5.8	5.9	6.0
65°	5.3	5.5	5.7	5.9	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
57.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.4	6.5	6.6	6.7
55°	6.1	6.1	6.1	6.3	6.5	6.7	6.9	6.9	6.9	6.9	6.9
52.5°	6.1	6.4	6.7	6.9	6.9	6.9	6.9	7.1	7.3	7.4	7.6
50°	6.7	6.9	6.9	6.9	7.1	7.4	7.7	7.9	8.1	8.3	8.4
47.5°	6.9	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.5	10.0	10.5
45°	7.0	7.5	7.9	8.3	8.6	9.5	10.4	11.2	11.9	12.5	13.0
42.5°	7.7	8.1	8.6	9.6	10.7	11.8	12.7	13.6	14.5	15.4	16.1
40°	8.3	9.0	10.3	11.6	12.8	14.0	15.4	16.6	17.9	19.3	20.5
37.5°	9.3	10.8	12.2	13.6	15.3	16.9	18.9	20.9	22.7	26.1	28.8
35°	10.9	12.5	14.2	16.1	18.3	20.9	24.1	28.8	33.0	40.4	47.6
32.5°	12.5	14.4	16.6	19.3	22.3	28.0	33.5	45.2	56.0	65.3	72.9
30°	14.2	16.6	19.7	23.5	30.3	40.8	55.1	67.9	79.3	89.8	100.1
27.5°	16.1	19.3	23.5	31.1	44.7	61.2	76.1	90.4	105.6	118.9	132.6
25°	18.3	22.3	30.3	44.7	63.1	80.2	98.3	116.6	136.3	156.4	175.3
22.5°	20.9	28.0	40.8	61.2	80.2	101.0	122.8	148.1	174.9	203.4	232.8
20°	24.1	33.5	55.1	76.1	98.3	122.8	152.2	185.5	223.7	265.5	304.3
17.5°	28.8	45.2	67.9	90.4	116.6	148.1	185.5	231.7	282.4	341.5	397.2
15°	33.0	56.0	79.3	105.6	136.3	174.9	223.7	282.4	354.3	435.0	552.8
12.5°	40.4	65.3	89.8	118.9	156.4	203.4	265.5	341.5	435.0	599.3	887.0
10°	47.6	72.9	100.1	132.6	175.3	232.8	304.3	397.2	552.8	887.0	1447.9
7.5°	53.3	78.9	108.2	144.6	192.1	259.1	345.1	461.9	731.3	1299.0	2066.7
5°	57.5	83.3	114.2	153.6	206.3	278.6	375.5	532.6	931.5	1693.6	2559.1
2.5°	60.0	86.0	117.8	159.6	215.1	290.5	394.2	590.8	1091.2	1963.4	2857.2
0°	60.8	86.9	119.0	161.6	218.0	294.5	400.5	613.3	1145.8	2057.9	2960.4
-2.5°	60.0	86.0	117.8	159.6	215.1	290.5	394.2	590.8	1091.2	1963.4	2857.2
-5°	57.5	83.3	114.2	153.6	206.3	278.6	375.5	532.6	931.5	1693.6	2559.1
-7.5°	53.3	78.9	108.2	144.6	192.1	259.1	345.1	461.9	731.3	1299.0	2066.7
-10°	47.6	72.9	100.1	132.6	175.3	232.8	304.3	397.2	552.8	887.0	1447.9
-12.5°	40.4	65.3	89.8	118.9	156.4	203.4	265.5	341.5	435.0	599.3	887.0
-15°	33.0	56.0	79.3	105.6	136.3	174.9	223.7	282.4	354.3	435.0	552.8
-17.5°	28.8	45.2	67.9	90.4	116.6	148.1	185.5	231.7	282.4	341.5	397.2
-20°	24.1	33.5	55.1	76.1	98.3	122.8	152.2	185.5	223.7	265.5	304.3



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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°	20.9	28.0	40.8	61.2	80.2	101.0	122.8	148.1	174.9	203.4	232.8
-25°	18.3	22.3	30.3	44.7	63.1	80.2	98.3	116.6	136.3	156.4	175.3
-27.5°	16.1	19.3	23.5	31.1	44.7	61.2	76.1	90.4	105.6	118.9	132.6
-30°	14.2	16.6	19.7	23.5	30.3	40.8	55.1	67.9	79.3	89.8	100.1
-32.5°	12.5	14.4	16.6	19.3	22.3	28.0	33.5	45.2	56.0	65.3	72.9
-35°	10.9	12.5	14.2	16.1	18.3	20.9	24.1	28.8	33.0	40.4	47.6
-37.5°	9.3	10.8	12.2	13.6	15.3	16.9	18.9	20.9	22.7	26.1	28.8
-40°	8.3	9.0	10.3	11.6	12.8	14.0	15.4	16.6	17.9	19.3	20.5
-42.5°	7.7	8.1	8.6	9.6	10.7	11.8	12.7	13.6	14.5	15.4	16.1
-45°	7.0	7.5	7.9	8.3	8.6	9.5	10.4	11.2	11.9	12.5	13.0
-47.5°	6.9	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.5	10.0	10.5
-50°	6.7	6.9	6.9	6.9	7.1	7.4	7.7	7.9	8.1	8.3	8.4
-52.5°	6.1	6.4	6.7	6.9	6.9	6.9	6.9	7.1	7.3	7.4	7.6
-55°	6.1	6.1	6.1	6.3	6.5	6.7	6.9	6.9	6.9	6.9	6.9
-57.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.4	6.5	6.6	6.7
-60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-62.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-65°	5.3	5.5	5.7	5.9	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-67.5°	4.6	4.8	5.0	5.1	5.3	5.5	5.6	5.7	5.8	5.9	6.0
-70°	4.3	4.3	4.3	4.4	4.5	4.6	4.7	4.9	4.9	5.0	5.1
-72.5°	4.1	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-75°	3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.2
-77.5°	1.9	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.3	3.4
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-82.5°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.7
-85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.2	3.1
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1
72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
70°	5.1	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9	4.9
67.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.7
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
57.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.6	6.5	6.4
55°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
52.5°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	7.4	7.3	7.1
50°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.4	8.3	8.1	7.9
47.5°	10.8	11.1	11.2	11.3	11.2	11.1	10.8	10.5	10.0	9.5	8.8
45°	13.4	13.7	13.8	13.9	13.8	13.7	13.4	13.0	12.5	11.9	11.2
42.5°	16.7	17.1	17.3	17.4	17.3	17.1	16.7	16.1	15.4	14.5	13.6
40°	21.4	22.1	22.5	22.6	22.5	22.1	21.4	20.5	19.3	17.9	16.6
37.5°	31.0	32.6	33.6	33.9	33.6	32.6	31.0	28.8	26.1	22.7	20.9
35°	53.3	57.5	60.0	60.8	60.0	57.5	53.3	47.6	40.4	33.0	28.8
32.5°	78.9	83.3	86.0	86.9	86.0	83.3	78.9	72.9	65.3	56.0	45.2
30°	108.2	114.2	117.8	119.0	117.8	114.2	108.2	100.1	89.8	79.3	67.9
27.5°	144.6	153.6	159.6	161.6	159.6	153.6	144.6	132.6	118.9	105.6	90.4
25°	192.1	206.3	215.1	218.0	215.1	206.3	192.1	175.3	156.4	136.3	116.6
22.5°	259.1	278.6	290.5	294.5	290.5	278.6	259.1	232.8	203.4	174.9	148.1
20°	345.1	375.5	394.2	400.5	394.2	375.5	345.1	304.3	265.5	223.7	185.5
17.5°	461.9	532.6	590.8	613.3	590.8	532.6	461.9	397.2	341.5	282.4	231.7
15°	731.3	931.5	1091.2	1145.8	1091.2	931.5	731.3	552.8	435.0	354.3	282.4
12.5°	1299.0	1693.6	1963.4	2057.9	1963.4	1693.6	1299.0	887.0	599.3	435.0	341.5
10°	2066.7	2559.1	2857.2	2960.4	2857.2	2559.1	2066.7	1447.9	887.0	552.8	397.2
7.5°	2760.0	3269.6	3588.7	3698.4	3588.7	3269.6	2760.0	2066.7	1299.0	731.3	461.9
5°	3269.6	3816.2	4162.6	4289.4	4162.6	3816.2	3269.6	2559.1	1693.6	931.5	532.6
2.5°	3588.7	4162.6	4534.3	4659.1	4534.3	4162.6	3588.7	2857.2	1963.4	1091.2	590.8
0°	3698.4	4289.4	4659.1	4814.1	4659.1	4289.4	3698.4	2960.4	2057.9	1145.8	613.3
-2.5°	3588.7	4162.6	4534.3	4659.1	4534.3	4162.6	3588.7	2857.2	1963.4	1091.2	590.8
-5°	3269.6	3816.2	4162.6	4289.4	4162.6	3816.2	3269.6	2559.1	1693.6	931.5	532.6
-7.5°	2760.0	3269.6	3588.7	3698.4	3588.7	3269.6	2760.0	2066.7	1299.0	731.3	461.9
-10°	2066.7	2559.1	2857.2	2960.4	2857.2	2559.1	2066.7	1447.9	887.0	552.8	397.2
-12.5°	1299.0	1693.6	1963.4	2057.9	1963.4	1693.6	1299.0	887.0	599.3	435.0	341.5
-15°	731.3	931.5	1091.2	1145.8	1091.2	931.5	731.3	552.8	435.0	354.3	282.4
-17.5°	461.9	532.6	590.8	613.3	590.8	532.6	461.9	397.2	341.5	282.4	231.7
-20°	345.1	375.5	394.2	400.5	394.2	375.5	345.1	304.3	265.5	223.7	185.5



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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°	259.1	278.6	290.5	294.5	290.5	278.6	259.1	232.8	203.4	174.9	148.1
-25°	192.1	206.3	215.1	218.0	215.1	206.3	192.1	175.3	156.4	136.3	116.6
-27.5°	144.6	153.6	159.6	161.6	159.6	153.6	144.6	132.6	118.9	105.6	90.4
-30°	108.2	114.2	117.8	119.0	117.8	114.2	108.2	100.1	89.8	79.3	67.9
-32.5°	78.9	83.3	86.0	86.9	86.0	83.3	78.9	72.9	65.3	56.0	45.2
-35°	53.3	57.5	60.0	60.8	60.0	57.5	53.3	47.6	40.4	33.0	28.8
-37.5°	31.0	32.6	33.6	33.9	33.6	32.6	31.0	28.8	26.1	22.7	20.9
-40°	21.4	22.1	22.5	22.6	22.5	22.1	21.4	20.5	19.3	17.9	16.6
-42.5°	16.7	17.1	17.3	17.4	17.3	17.1	16.7	16.1	15.4	14.5	13.6
-45°	13.4	13.7	13.8	13.9	13.8	13.7	13.4	13.0	12.5	11.9	11.2
-47.5°	10.8	11.1	11.2	11.3	11.2	11.1	10.8	10.5	10.0	9.5	8.8
-50°	8.6	8.6	8.7	8.7	8.7	8.6	8.6	8.4	8.3	8.1	7.9
-52.5°	7.7	7.7	7.8	7.8	7.8	7.7	7.7	7.6	7.4	7.3	7.1
-55°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-57.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.6	6.5	6.4
-60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-67.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.7
-70°	5.1	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9	4.9
-72.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1
-77.5°	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.2	3.1
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
77.5°	2.9	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.7	1.7	1.7
75°	4.0	3.9	3.8	3.7	3.6	3.5	3.3	3.0	2.7	2.4	2.1
72.5°	4.3	4.3	4.3	4.3	4.3	4.2	4.1	3.9	3.8	3.6	3.3
70°	4.7	4.6	4.5	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.0
67.5°	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.4	4.3	4.3	4.3
65°	6.1	6.1	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.5	4.3
62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.0	5.7	5.5	5.2	4.9
60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.8	5.5
57.5°	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0
55°	6.9	6.7	6.5	6.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1
52.5°	6.9	6.9	6.9	6.9	6.7	6.4	6.1	6.1	6.1	6.1	6.1
50°	7.7	7.4	7.1	6.9	6.9	6.9	6.7	6.3	6.1	6.1	6.1
47.5°	8.5	8.2	7.9	7.6	7.2	6.9	6.9	6.9	6.5	6.1	6.1
45°	10.4	9.5	8.6	8.3	7.9	7.5	7.0	6.9	6.9	6.6	6.1
42.5°	12.7	11.8	10.7	9.6	8.6	8.1	7.7	7.2	6.9	6.9	6.6
40°	15.4	14.0	12.8	11.6	10.3	9.0	8.3	7.8	7.2	6.9	6.9
37.5°	18.9	16.9	15.3	13.6	12.2	10.8	9.3	8.3	7.8	7.2	6.9
35°	24.1	20.9	18.3	16.1	14.2	12.5	10.9	9.3	8.3	7.7	7.0
32.5°	33.5	28.0	22.3	19.3	16.6	14.4	12.5	10.8	9.0	8.1	7.5
30°	55.1	40.8	30.3	23.5	19.7	16.6	14.2	12.2	10.3	8.6	7.9
27.5°	76.1	61.2	44.7	31.1	23.5	19.3	16.1	13.6	11.6	9.6	8.3
25°	98.3	80.2	63.1	44.7	30.3	22.3	18.3	15.3	12.8	10.7	8.6
22.5°	122.8	101.0	80.2	61.2	40.8	28.0	20.9	16.9	14.0	11.8	9.5
20°	152.2	122.8	98.3	76.1	55.1	33.5	24.1	18.9	15.4	12.7	10.4
17.5°	185.5	148.1	116.6	90.4	67.9	45.2	28.8	20.9	16.6	13.6	11.2
15°	223.7	174.9	136.3	105.6	79.3	56.0	33.0	22.7	17.9	14.5	11.9
12.5°	265.5	203.4	156.4	118.9	89.8	65.3	40.4	26.1	19.3	15.4	12.5
10°	304.3	232.8	175.3	132.6	100.1	72.9	47.6	28.8	20.5	16.1	13.0
7.5°	345.1	259.1	192.1	144.6	108.2	78.9	53.3	31.0	21.4	16.7	13.4
5°	375.5	278.6	206.3	153.6	114.2	83.3	57.5	32.6	22.1	17.1	13.7
2.5°	394.2	290.5	215.1	159.6	117.8	86.0	60.0	33.6	22.5	17.3	13.8
0°	400.5	294.5	218.0	161.6	119.0	86.9	60.8	33.9	22.6	17.4	13.9
-2.5°	394.2	290.5	215.1	159.6	117.8	86.0	60.0	33.6	22.5	17.3	13.8
-5°	375.5	278.6	206.3	153.6	114.2	83.3	57.5	32.6	22.1	17.1	13.7
-7.5°	345.1	259.1	192.1	144.6	108.2	78.9	53.3	31.0	21.4	16.7	13.4
-10°	304.3	232.8	175.3	132.6	100.1	72.9	47.6	28.8	20.5	16.1	13.0
-12.5°	265.5	203.4	156.4	118.9	89.8	65.3	40.4	26.1	19.3	15.4	12.5
-15°	223.7	174.9	136.3	105.6	79.3	56.0	33.0	22.7	17.9	14.5	11.9
-17.5°	185.5	148.1	116.6	90.4	67.9	45.2	28.8	20.9	16.6	13.6	11.2
-20°	152.2	122.8	98.3	76.1	55.1	33.5	24.1	18.9	15.4	12.7	10.4



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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°	122.8	101.0	80.2	61.2	40.8	28.0	20.9	16.9	14.0	11.8	9.5
-25°	98.3	80.2	63.1	44.7	30.3	22.3	18.3	15.3	12.8	10.7	8.6
-27.5°	76.1	61.2	44.7	31.1	23.5	19.3	16.1	13.6	11.6	9.6	8.3
-30°	55.1	40.8	30.3	23.5	19.7	16.6	14.2	12.2	10.3	8.6	7.9
-32.5°	33.5	28.0	22.3	19.3	16.6	14.4	12.5	10.8	9.0	8.1	7.5
-35°	24.1	20.9	18.3	16.1	14.2	12.5	10.9	9.3	8.3	7.7	7.0
-37.5°	18.9	16.9	15.3	13.6	12.2	10.8	9.3	8.3	7.8	7.2	6.9
-40°	15.4	14.0	12.8	11.6	10.3	9.0	8.3	7.8	7.2	6.9	6.9
-42.5°	12.7	11.8	10.7	9.6	8.6	8.1	7.7	7.2	6.9	6.9	6.6
-45°	10.4	9.5	8.6	8.3	7.9	7.5	7.0	6.9	6.9	6.6	6.1
-47.5°	8.5	8.2	7.9	7.6	7.2	6.9	6.9	6.9	6.5	6.1	6.1
-50°	7.7	7.4	7.1	6.9	6.9	6.9	6.7	6.3	6.1	6.1	6.1
-52.5°	6.9	6.9	6.9	6.9	6.7	6.4	6.1	6.1	6.1	6.1	6.1
-55°	6.9	6.7	6.5	6.3	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-57.5°	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0
-60°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.8	5.5
-62.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.0	5.7	5.5	5.2	4.9
-65°	6.1	6.1	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.5	4.3
-67.5°	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.4	4.3	4.3	4.3
-70°	4.7	4.6	4.5	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.0
-72.5°	4.3	4.3	4.3	4.3	4.3	4.2	4.1	3.9	3.8	3.6	3.3
-75°	4.0	3.9	3.8	3.7	3.6	3.5	3.3	3.0	2.7	2.4	2.1
-77.5°	2.9	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.7	1.7	1.7
-80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
-82.5°	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
-85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	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°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.5
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
80°	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9
77.5°	1.7	1.7	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.9	0.9
75°	1.8	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.1	0.9	0.9
72.5°	2.9	2.5	2.1	1.7	1.7	1.7	1.7	1.6	1.4	1.2	1.0
70°	3.8	3.6	3.2	2.6	2.1	1.7	1.7	1.7	1.7	1.4	1.2
67.5°	4.3	4.1	3.8	3.6	3.0	2.4	1.8	1.7	1.7	1.7	1.4
65°	4.3	4.3	4.3	4.0	3.7	3.3	2.6	1.9	1.7	1.7	1.6
62.5°	4.5	4.3	4.3	4.3	4.1	3.8	3.4	2.6	1.8	1.7	1.7
60°	5.1	4.7	4.4	4.3	4.3	4.1	3.8	3.3	2.4	1.7	1.7
57.5°	5.7	5.3	4.9	4.5	4.3	4.3	4.1	3.7	3.0	2.1	1.7
55°	6.1	5.8	5.4	4.9	4.5	4.3	4.3	4.0	3.6	2.6	1.7
52.5°	6.1	6.1	5.8	5.4	4.9	4.4	4.3	4.3	3.8	3.2	2.1
50°	6.1	6.1	6.1	5.8	5.3	4.7	4.3	4.3	4.1	3.6	2.5
47.5°	6.1	6.1	6.1	6.1	5.7	5.1	4.5	4.3	4.3	3.8	2.9
45°	6.1	6.1	6.1	6.1	6.0	5.5	4.9	4.3	4.3	4.0	3.3
42.5°	6.1	6.1	6.1	6.1	6.1	5.8	5.2	4.5	4.3	4.2	3.6
40°	6.5	6.1	6.1	6.1	6.1	6.1	5.5	4.8	4.3	4.3	3.8
37.5°	6.9	6.3	6.1	6.1	6.1	6.1	5.7	5.1	4.4	4.3	3.9
35°	6.9	6.7	6.1	6.1	6.1	6.1	6.0	5.3	4.6	4.3	4.1
32.5°	6.9	6.9	6.4	6.1	6.1	6.1	6.1	5.5	4.8	4.3	4.2
30°	7.2	6.9	6.7	6.1	6.1	6.1	6.1	5.7	5.0	4.3	4.3
27.5°	7.6	6.9	6.9	6.3	6.1	6.1	6.1	5.9	5.1	4.4	4.3
25°	7.9	7.1	6.9	6.5	6.1	6.1	6.1	6.1	5.3	4.5	4.3
22.5°	8.2	7.4	6.9	6.7	6.1	6.1	6.1	6.1	5.5	4.6	4.3
20°	8.5	7.7	6.9	6.9	6.2	6.1	6.1	6.1	5.6	4.7	4.3
17.5°	8.8	7.9	7.1	6.9	6.4	6.1	6.1	6.1	5.7	4.9	4.3
15°	9.5	8.1	7.3	6.9	6.5	6.1	6.1	6.1	5.8	4.9	4.3
12.5°	10.0	8.3	7.4	6.9	6.6	6.1	6.1	6.1	5.9	5.0	4.3
10°	10.5	8.4	7.6	6.9	6.7	6.1	6.1	6.1	6.0	5.1	4.3
7.5°	10.8	8.6	7.7	6.9	6.8	6.1	6.1	6.1	6.0	5.1	4.3
5°	11.1	8.6	7.7	6.9	6.9	6.1	6.1	6.1	6.1	5.2	4.3
2.5°	11.2	8.7	7.8	6.9	6.9	6.1	6.1	6.1	6.1	5.2	4.3
0°	11.3	8.7	7.8	6.9	6.9	6.1	6.1	6.1	6.1	5.2	4.3
-2.5°	11.2	8.7	7.8	6.9	6.9	6.1	6.1	6.1	6.1	5.2	4.3
-5°	11.1	8.6	7.7	6.9	6.9	6.1	6.1	6.1	6.1	5.2	4.3
-7.5°	10.8	8.6	7.7	6.9	6.8	6.1	6.1	6.1	6.0	5.1	4.3
-10°	10.5	8.4	7.6	6.9	6.7	6.1	6.1	6.1	6.0	5.1	4.3
-12.5°	10.0	8.3	7.4	6.9	6.6	6.1	6.1	6.1	5.9	5.0	4.3
-15°	9.5	8.1	7.3	6.9	6.5	6.1	6.1	6.1	5.8	4.9	4.3
-17.5°	8.8	7.9	7.1	6.9	6.4	6.1	6.1	6.1	5.7	4.9	4.3
-20°	8.5	7.7	6.9	6.9	6.2	6.1	6.1	6.1	5.6	4.7	4.3



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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°	8.2	7.4	6.9	6.7	6.1	6.1	6.1	6.1	5.5	4.6	4.3
-25°	7.9	7.1	6.9	6.5	6.1	6.1	6.1	6.1	5.3	4.5	4.3
-27.5°	7.6	6.9	6.9	6.3	6.1	6.1	6.1	5.9	5.1	4.4	4.3
-30°	7.2	6.9	6.7	6.1	6.1	6.1	6.1	5.7	5.0	4.3	4.3
-32.5°	6.9	6.9	6.4	6.1	6.1	6.1	6.1	5.5	4.8	4.3	4.2
-35°	6.9	6.7	6.1	6.1	6.1	6.1	6.0	5.3	4.6	4.3	4.1
-37.5°	6.9	6.3	6.1	6.1	6.1	6.1	5.7	5.1	4.4	4.3	3.9
-40°	6.5	6.1	6.1	6.1	6.1	6.1	5.5	4.8	4.3	4.3	3.8
-42.5°	6.1	6.1	6.1	6.1	6.1	5.8	5.2	4.5	4.3	4.2	3.6
-45°	6.1	6.1	6.1	6.1	6.0	5.5	4.9	4.3	4.3	4.0	3.3
-47.5°	6.1	6.1	6.1	6.1	5.7	5.1	4.5	4.3	4.3	3.8	2.9
-50°	6.1	6.1	6.1	5.8	5.3	4.7	4.3	4.3	4.1	3.6	2.5
-52.5°	6.1	6.1	5.8	5.4	4.9	4.4	4.3	4.3	3.8	3.2	2.1
-55°	6.1	5.8	5.4	4.9	4.5	4.3	4.3	4.0	3.6	2.6	1.7
-57.5°	5.7	5.3	4.9	4.5	4.3	4.3	4.1	3.7	3.0	2.1	1.7
-60°	5.1	4.7	4.4	4.3	4.3	4.1	3.8	3.3	2.4	1.7	1.7
-62.5°	4.5	4.3	4.3	4.3	4.1	3.8	3.4	2.6	1.8	1.7	1.7
-65°	4.3	4.3	4.3	4.0	3.7	3.3	2.6	1.9	1.7	1.7	1.6
-67.5°	4.3	4.1	3.8	3.6	3.0	2.4	1.8	1.7	1.7	1.7	1.4
-70°	3.8	3.6	3.2	2.6	2.1	1.7	1.7	1.7	1.7	1.4	1.2
-72.5°	2.9	2.5	2.1	1.7	1.7	1.7	1.7	1.6	1.4	1.2	1.0
-75°	1.8	1.7	1.7	1.7	1.7	1.7	1.5	1.3	1.1	0.9	0.9
-77.5°	1.7	1.7	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.9	0.9
-80°	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9
-82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
-85°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.5
-87.5°	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4	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):

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



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	3.9	2.8	1.7	1.5	0.9	0.8	0.0
-25°	3.8	2.6	1.7	1.5	0.9	0.8	0.0
-27.5°	3.7	2.5	1.7	1.4	0.9	0.8	0.0
-30°	3.6	2.3	1.7	1.4	0.9	0.8	0.0
-32.5°	3.5	2.1	1.7	1.3	0.9	0.8	0.0
-35°	3.3	1.9	1.7	1.3	0.9	0.7	0.0
-37.5°	3.0	1.7	1.7	1.2	0.9	0.7	0.0
-40°	2.7	1.7	1.7	1.1	0.9	0.7	0.0
-42.5°	2.4	1.7	1.7	1.1	0.9	0.7	0.0
-45°	2.1	1.7	1.6	1.0	0.9	0.6	0.0
-47.5°	1.8	1.7	1.5	0.9	0.9	0.6	0.0
-50°	1.7	1.7	1.4	0.9	0.9	0.6	0.0
-52.5°	1.7	1.7	1.2	0.9	0.9	0.5	0.0
-55°	1.7	1.6	1.1	0.9	0.9	0.5	0.0
-57.5°	1.7	1.4	1.0	0.9	0.9	0.5	0.0
-60°	1.7	1.3	0.9	0.9	0.9	0.4	0.0
-62.5°	1.5	1.1	0.9	0.9	0.8	0.4	0.0
-65°	1.3	1.0	0.9	0.9	0.8	0.4	0.0
-67.5°	1.1	0.9	0.9	0.9	0.7	0.3	0.0
-70°	0.9	0.9	0.9	0.9	0.6	0.3	0.0
-72.5°	0.9	0.9	0.9	0.8	0.5	0.3	0.0
-75°	0.9	0.9	0.9	0.7	0.5	0.2	0.0
-77.5°	0.9	0.9	0.8	0.6	0.4	0.2	0.0
-80°	0.9	0.8	0.6	0.5	0.3	0.2	0.0
-82.5°	0.7	0.6	0.5	0.4	0.2	0.1	0.0
-85°	0.5	0.4	0.3	0.2	0.2	0.1	0.0
-87.5°	0.2	0.2	0.2	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)