

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: P220313 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220313 (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]-LED2790-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

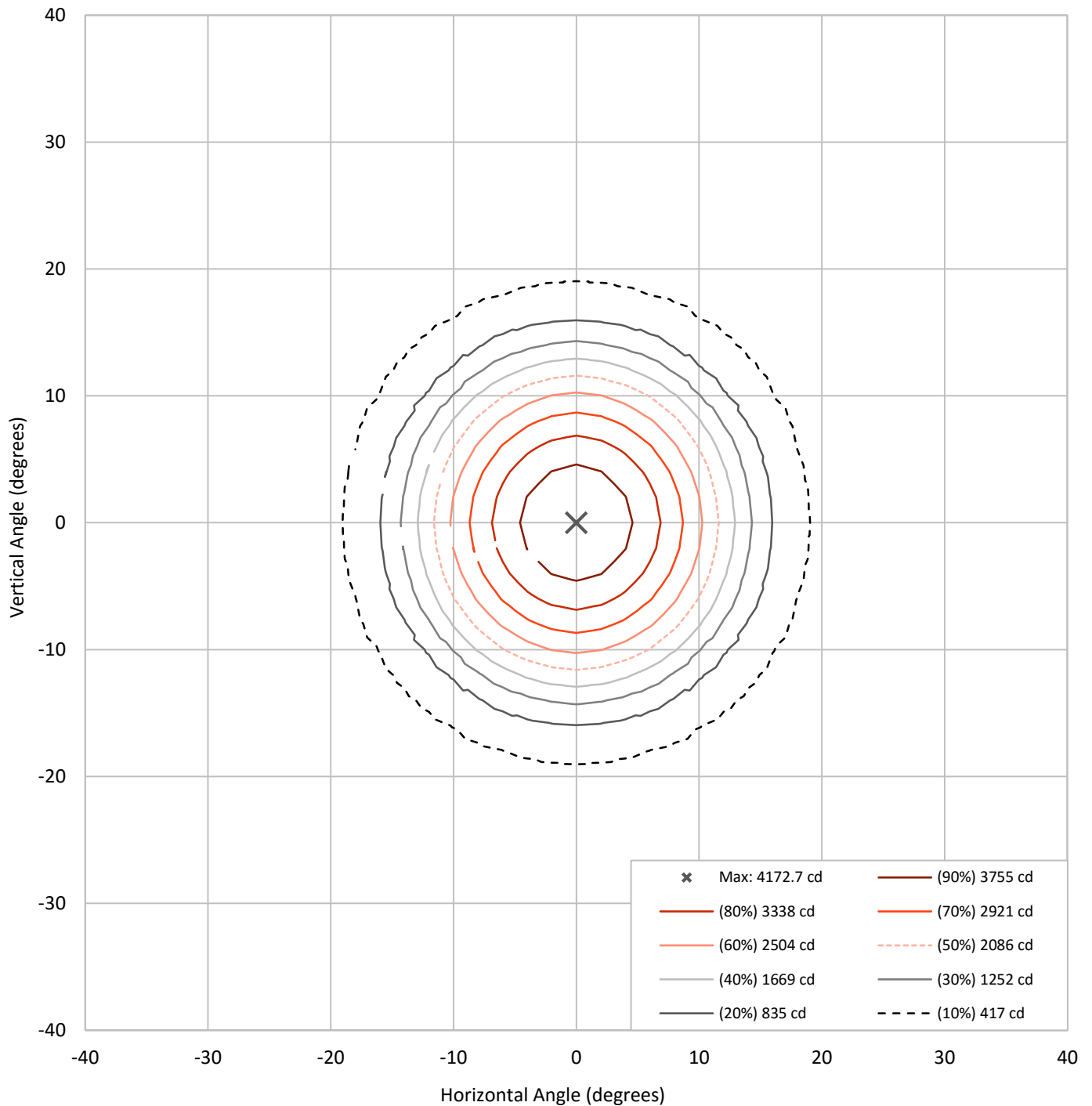
Lumens per Lamp: N/A	NEMA Type: 3H x 3V
Luminaire Lumens: 744.7 lumens	Max Intensity: 4172.7 candela
Efficiency: N/A	Max Intensity Angle: 0°H x 0°V
Efficacy: 74.5 lumens/watt	
Luminous Opening: Circular (Dia: 0.17' x H: 0')	
Beam Angle (50%): 23.2°H x 23.2°V	Field Angle (10%): 38.1°H x 38.1°V
Beam Lumens: 390.6 lumens	Field Lumens: 602.7 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





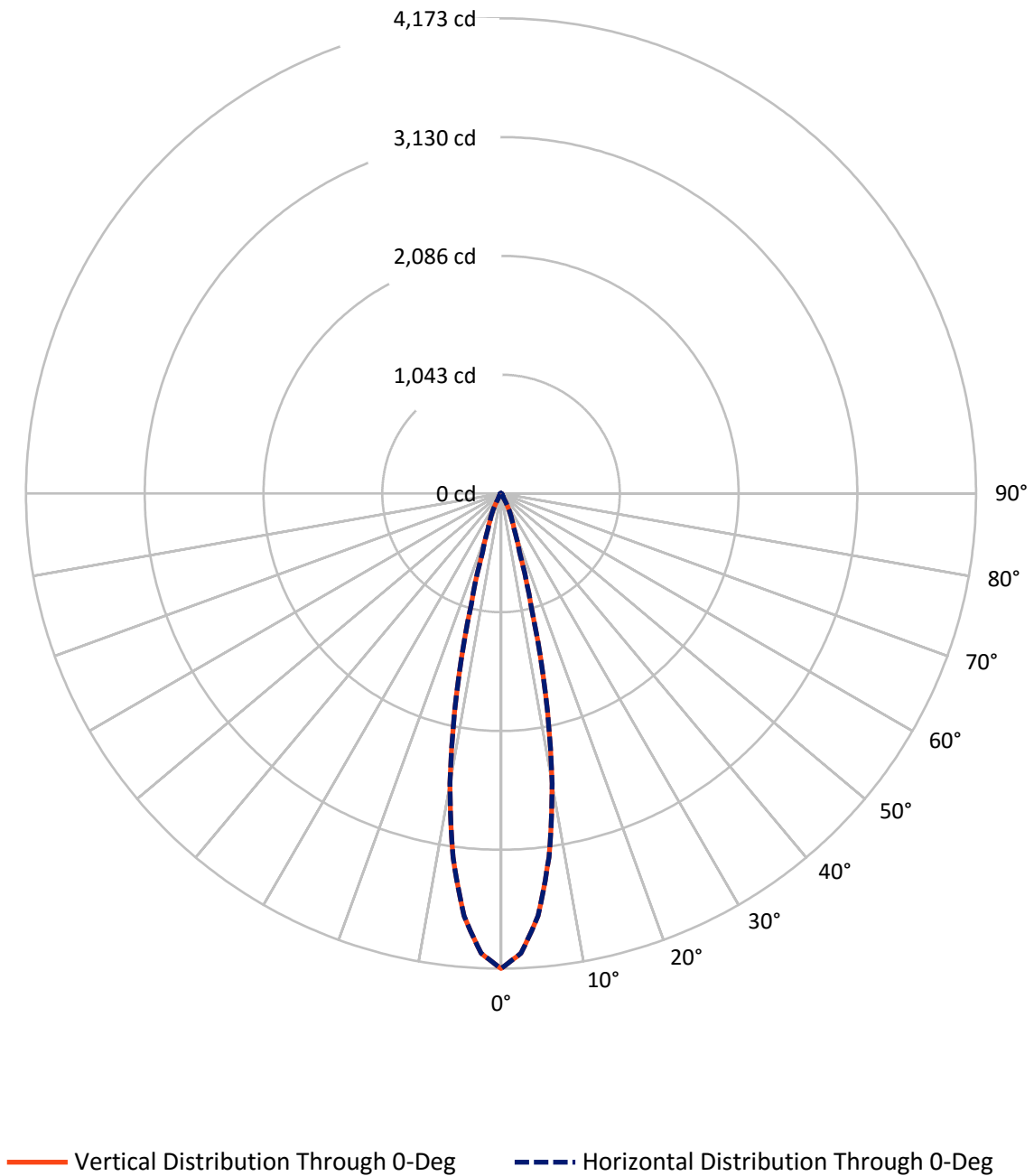
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Lumen Table

90																
80	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0
70																
60	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0
50		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	
40	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	0.1
30		0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.1	
20	0.1	0.1	0.2	0.3	0.4	0.7	2.3	4.8	4.8	2.3	0.7	0.4	0.3	0.2	0.1	0.1
10		0.1	0.2	0.3	0.5	2.2	10.0	29.4	29.4	10.0	2.2	0.5	0.3	0.2	0.1	
0	0.1	0.1	0.2	0.3	0.6	4.4	28.7	93.0	93.0	28.7	4.4	0.6	0.3	0.2	0.1	0.1
-10		0.1	0.2	0.3	0.6	4.4	28.7	93.0	93.0	28.7	4.4	0.6	0.3	0.2	0.1	
-20	0.1	0.1	0.2	0.3	0.5	2.2	10.0	29.4	29.4	10.0	2.2	0.5	0.3	0.2	0.1	0.1
-30		0.1	0.2	0.3	0.4	0.7	2.3	4.8	4.8	2.3	0.7	0.4	0.3	0.2	0.1	
-40	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.1	0.1
-50		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	
-60	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
-70		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	
-80																
-90	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0

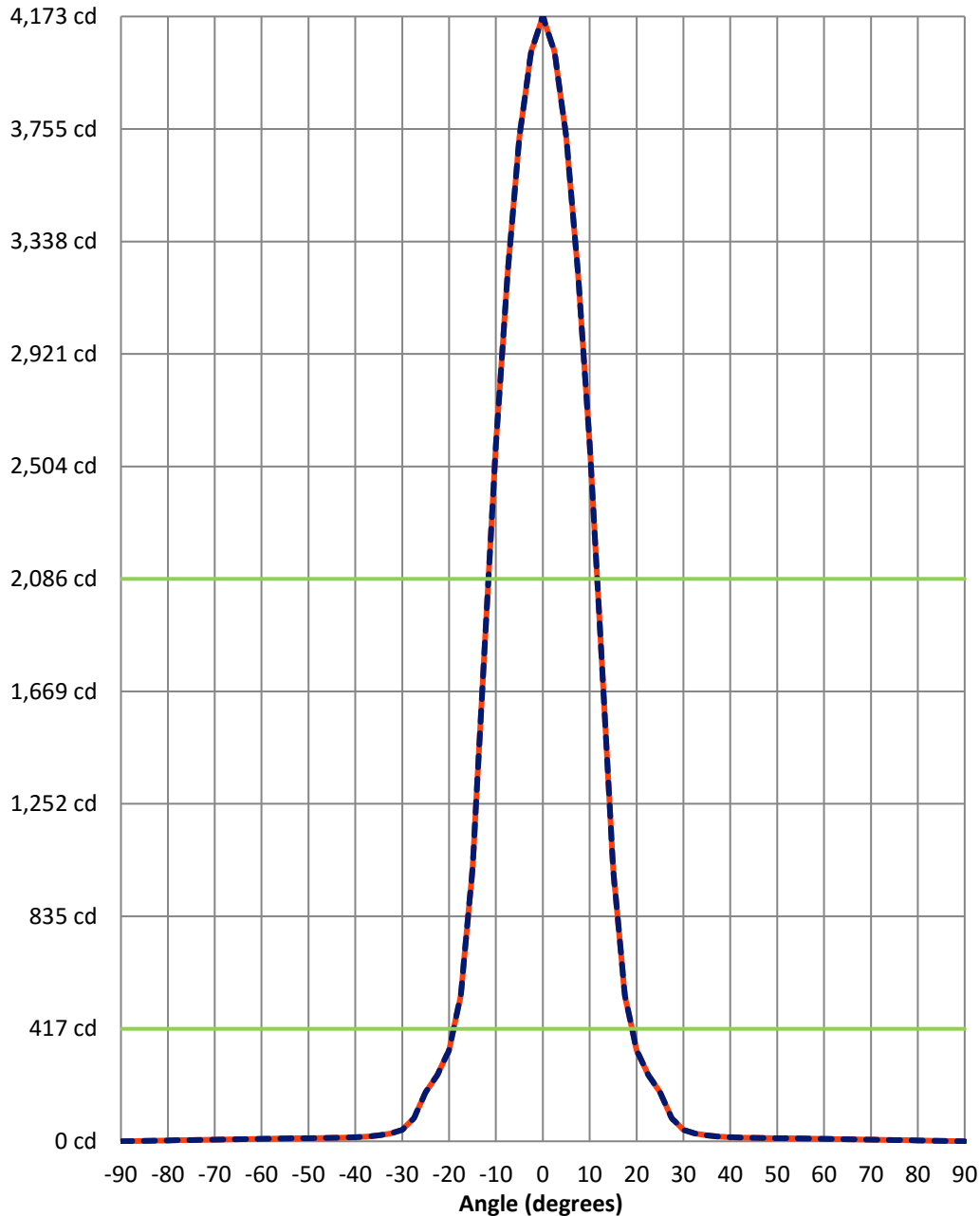
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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-M-WT-L1-UNV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 23.2°
V Angle: 23.2°
Lumens: 390.6
Efficiency: 52.5%

Field:
H Angle: 38.1°
V Angle: 38.1°
Lumens: 602.7
Efficiency: 80.9%

Spill:
Lumens: 142
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	0.9	1.1	1.2	1.3
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.6
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
72.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
70°	0.0	0.3	0.5	0.8	1.1	1.3	1.5	1.8	2.0	2.3	2.5
67.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.8
65°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.2
62.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.4	2.7	3.1	3.8
60°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.6	4.3
57.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.4	2.8	3.4	4.1	4.5
55°	0.0	0.5	0.9	1.3	1.7	2.2	2.6	3.0	3.8	4.5	4.5
52.5°	0.0	0.5	1.0	1.4	1.8	2.3	2.7	3.3	4.2	4.5	4.5
50°	0.0	0.5	1.0	1.4	2.0	2.4	2.9	3.7	4.5	4.5	4.7
47.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.0	4.0	4.5	4.5	5.0
45°	0.0	0.6	1.1	1.6	2.2	2.7	3.3	4.4	4.5	4.7	5.3
42.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.6	4.5	4.5	4.9	5.5
40°	0.0	0.6	1.2	1.7	2.3	2.9	3.9	4.5	4.6	5.2	5.7
37.5°	0.0	0.6	1.2	1.8	2.4	3.0	4.1	4.5	4.7	5.4	6.0
35°	0.0	0.7	1.2	1.9	2.5	3.1	4.3	4.5	4.9	5.5	6.2
32.5°	0.0	0.7	1.3	1.9	2.6	3.3	4.5	4.5	5.1	5.7	6.3
30°	0.0	0.7	1.3	2.0	2.6	3.5	4.5	4.5	5.2	5.9	6.5
27.5°	0.0	0.7	1.3	2.0	2.7	3.6	4.5	4.7	5.4	6.0	6.7
25°	0.0	0.7	1.4	2.1	2.7	3.8	4.5	4.8	5.5	6.2	6.8
22.5°	0.0	0.7	1.4	2.1	2.8	3.9	4.5	4.9	5.6	6.3	7.0
20°	0.0	0.8	1.4	2.2	2.8	4.0	4.5	5.0	5.7	6.4	7.1
17.5°	0.0	0.8	1.4	2.2	2.9	4.1	4.5	5.0	5.8	6.5	7.2
15°	0.0	0.8	1.5	2.2	2.9	4.2	4.5	5.1	5.9	6.6	7.3
12.5°	0.0	0.8	1.5	2.2	2.9	4.3	4.5	5.2	5.9	6.6	7.4
10°	0.0	0.8	1.5	2.3	3.0	4.4	4.5	5.2	6.0	6.7	7.5
7.5°	0.0	0.8	1.5	2.3	3.0	4.4	4.5	5.3	6.0	6.7	7.5
5°	0.0	0.8	1.5	2.3	3.0	4.5	4.5	5.3	6.1	6.8	7.6
2.5°	0.0	0.8	1.5	2.3	3.0	4.5	4.5	5.3	6.1	6.8	7.6
0°	0.0	0.8	1.5	2.3	3.0	4.5	4.5	5.3	6.1	6.8	7.6
-2.5°	0.0	0.8	1.5	2.3	3.0	4.5	4.5	5.3	6.1	6.8	7.6
-5°	0.0	0.8	1.5	2.3	3.0	4.5	4.5	5.3	6.1	6.8	7.6
-7.5°	0.0	0.8	1.5	2.3	3.0	4.4	4.5	5.3	6.0	6.7	7.5
-10°	0.0	0.8	1.5	2.3	3.0	4.4	4.5	5.2	6.0	6.7	7.5
-12.5°	0.0	0.8	1.5	2.2	2.9	4.3	4.5	5.2	5.9	6.6	7.4
-15°	0.0	0.8	1.5	2.2	2.9	4.2	4.5	5.1	5.9	6.6	7.3
-17.5°	0.0	0.8	1.4	2.2	2.9	4.1	4.5	5.0	5.8	6.5	7.2
-20°	0.0	0.8	1.4	2.2	2.8	4.0	4.5	5.0	5.7	6.4	7.1



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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	1.4	2.1	2.8	3.9	4.5	4.9	5.6	6.3	7.0
-25°	0.0	0.7	1.4	2.1	2.7	3.8	4.5	4.8	5.5	6.2	6.8
-27.5°	0.0	0.7	1.3	2.0	2.7	3.6	4.5	4.7	5.4	6.0	6.7
-30°	0.0	0.7	1.3	2.0	2.6	3.5	4.5	4.5	5.2	5.9	6.5
-32.5°	0.0	0.7	1.3	1.9	2.6	3.3	4.5	4.5	5.1	5.7	6.3
-35°	0.0	0.7	1.2	1.9	2.5	3.1	4.3	4.5	4.9	5.5	6.2
-37.5°	0.0	0.6	1.2	1.8	2.4	3.0	4.1	4.5	4.7	5.4	6.0
-40°	0.0	0.6	1.2	1.7	2.3	2.9	3.9	4.5	4.6	5.2	5.7
-42.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.6	4.5	4.5	4.9	5.5
-45°	0.0	0.6	1.1	1.6	2.2	2.7	3.3	4.4	4.5	4.7	5.3
-47.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.0	4.0	4.5	4.5	5.0
-50°	0.0	0.5	1.0	1.4	2.0	2.4	2.9	3.7	4.5	4.5	4.7
-52.5°	0.0	0.5	1.0	1.4	1.8	2.3	2.7	3.3	4.2	4.5	4.5
-55°	0.0	0.5	0.9	1.3	1.7	2.2	2.6	3.0	3.8	4.5	4.5
-57.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.4	2.8	3.4	4.1	4.5
-60°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.6	4.3
-62.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.4	2.7	3.1	3.8
-65°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.2
-67.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.8
-70°	0.0	0.3	0.5	0.8	1.1	1.3	1.5	1.8	2.0	2.3	2.5
-72.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.1	1.3	1.4	1.6
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.9	1.1	1.2	1.3
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
85°	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2
82.5°	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
80°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.3	2.4
77.5°	1.7	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
75°	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.3	3.6	3.9	4.1
72.5°	2.4	2.6	2.8	3.0	3.3	3.7	4.0	4.4	4.5	4.5	4.5
70°	2.7	3.0	3.4	3.8	4.2	4.5	4.5	4.5	4.5	4.6	4.7
67.5°	3.1	3.6	4.1	4.5	4.5	4.5	4.5	4.7	4.9	5.2	5.4
65°	3.8	4.3	4.5	4.5	4.5	4.7	5.0	5.3	5.5	5.7	6.0
62.5°	4.4	4.5	4.5	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.5
60°	4.5	4.5	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.8	7.1
57.5°	4.5	4.7	5.1	5.4	5.8	6.2	6.5	6.8	7.1	7.4	7.7
55°	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.2
52.5°	4.9	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1	8.4	8.7
50°	5.2	5.7	6.2	6.6	7.0	7.4	7.8	8.2	8.6	8.9	9.3
47.5°	5.5	6.0	6.5	6.9	7.4	7.8	8.2	8.6	9.1	9.4	9.8
45°	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.1	9.5	9.9	10.3
42.5°	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.5	9.9	10.4	10.9
40°	6.3	6.8	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4
37.5°	6.5	7.1	7.7	8.2	8.7	9.3	9.8	10.3	10.9	11.4	11.4
35°	6.7	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.3	11.4	11.5
32.5°	6.9	7.6	8.1	8.8	9.3	9.9	10.5	11.1	11.4	11.5	12.0
30°	7.1	7.8	8.4	9.0	9.6	10.2	10.9	11.4	11.4	11.8	12.4
27.5°	7.3	8.0	8.6	9.3	9.9	10.5	11.2	11.4	11.6	12.2	12.8
25°	7.5	8.1	8.8	9.5	10.1	10.8	11.4	11.4	11.9	12.6	13.2
22.5°	7.7	8.3	9.0	9.7	10.4	11.1	11.4	11.6	12.2	12.9	13.5
20°	7.8	8.5	9.2	9.8	10.6	11.3	11.4	11.9	12.5	13.2	14.0
17.5°	7.9	8.6	9.3	10.0	10.8	11.4	11.4	12.1	12.8	13.4	14.6
15°	8.0	8.7	9.5	10.2	10.9	11.4	11.6	12.3	13.0	13.7	15.1
12.5°	8.1	8.9	9.6	10.3	11.1	11.4	11.8	12.5	13.2	14.1	15.8
10°	8.2	8.9	9.6	10.4	11.2	11.4	11.9	12.6	13.3	14.5	16.4
7.5°	8.2	9.0	9.7	10.5	11.3	11.4	12.0	12.7	13.5	14.8	16.8
5°	8.3	9.1	9.8	10.6	11.3	11.4	12.0	12.8	13.5	14.9	17.1
2.5°	8.3	9.1	9.8	10.6	11.4	11.4	12.1	12.9	13.6	15.1	17.3
0°	8.3	9.1	9.8	10.6	11.4	11.4	12.1	12.9	13.6	15.1	17.4
-2.5°	8.3	9.1	9.8	10.6	11.4	11.4	12.1	12.9	13.6	15.1	17.3
-5°	8.3	9.1	9.8	10.6	11.3	11.4	12.0	12.8	13.5	14.9	17.1
-7.5°	8.2	9.0	9.7	10.5	11.3	11.4	12.0	12.7	13.5	14.8	16.8
-10°	8.2	8.9	9.6	10.4	11.2	11.4	11.9	12.6	13.3	14.5	16.4
-12.5°	8.1	8.9	9.6	10.3	11.1	11.4	11.8	12.5	13.2	14.1	15.8
-15°	8.0	8.7	9.5	10.2	10.9	11.4	11.6	12.3	13.0	13.7	15.1
-17.5°	7.9	8.6	9.3	10.0	10.8	11.4	11.4	12.1	12.8	13.4	14.6
-20°	7.8	8.5	9.2	9.8	10.6	11.3	11.4	11.9	12.5	13.2	14.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	7.7	8.3	9.0	9.7	10.4	11.1	11.4	11.6	12.2	12.9	13.5
-25°	7.5	8.1	8.8	9.5	10.1	10.8	11.4	11.4	11.9	12.6	13.2
-27.5°	7.3	8.0	8.6	9.3	9.9	10.5	11.2	11.4	11.6	12.2	12.8
-30°	7.1	7.8	8.4	9.0	9.6	10.2	10.9	11.4	11.4	11.8	12.4
-32.5°	6.9	7.6	8.1	8.8	9.3	9.9	10.5	11.1	11.4	11.5	12.0
-35°	6.7	7.3	7.9	8.5	9.1	9.6	10.2	10.7	11.3	11.4	11.5
-37.5°	6.5	7.1	7.7	8.2	8.7	9.3	9.8	10.3	10.9	11.4	11.4
-40°	6.3	6.8	7.4	7.9	8.4	8.9	9.4	9.9	10.4	10.9	11.4
-42.5°	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.5	9.9	10.4	10.9
-45°	5.8	6.3	6.8	7.3	7.7	8.2	8.6	9.1	9.5	9.9	10.3
-47.5°	5.5	6.0	6.5	6.9	7.4	7.8	8.2	8.6	9.1	9.4	9.8
-50°	5.2	5.7	6.2	6.6	7.0	7.4	7.8	8.2	8.6	8.9	9.3
-52.5°	4.9	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1	8.4	8.7
-55°	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.2
-57.5°	4.5	4.7	5.1	5.4	5.8	6.2	6.5	6.8	7.1	7.4	7.7
-60°	4.5	4.5	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.8	7.1
-62.5°	4.4	4.5	4.5	4.6	4.9	5.2	5.5	5.8	6.1	6.3	6.5
-65°	3.8	4.3	4.5	4.5	4.5	4.7	5.0	5.3	5.5	5.7	6.0
-67.5°	3.1	3.6	4.1	4.5	4.5	4.5	4.5	4.7	4.9	5.2	5.4
-70°	2.7	3.0	3.4	3.8	4.2	4.5	4.5	4.5	4.5	4.6	4.7
-72.5°	2.4	2.6	2.8	3.0	3.3	3.7	4.0	4.4	4.5	4.5	4.5
-75°	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.3	3.6	3.9	4.1
-77.5°	1.7	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
-80°	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.3	2.4
-82.5°	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
-85°	0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
85°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
82.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
80°	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
77.5°	3.1	3.3	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.3	4.4
75°	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	4.5	4.5	4.5	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.2
70°	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0
67.5°	5.5	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
65°	6.2	6.3	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5
62.5°	6.7	6.9	7.1	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2
60°	7.3	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.7	8.9	8.9
57.5°	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.6
55°	8.5	8.8	9.0	9.3	9.5	9.7	9.8	10.0	10.2	10.3	10.4
52.5°	9.1	9.3	9.6	9.9	10.1	10.4	10.6	10.8	10.9	11.1	11.2
50°	9.6	9.9	10.2	10.5	10.8	11.1	11.3	11.4	11.4	11.4	11.4
47.5°	10.2	10.5	10.9	11.2	11.4	11.4	11.4	11.4	11.6	11.8	11.9
45°	10.7	11.1	11.4	11.4	11.4	11.6	11.9	12.1	12.3	12.5	12.6
42.5°	11.3	11.4	11.4	11.6	11.9	12.2	12.5	12.8	13.0	13.2	13.3
40°	11.4	11.5	11.8	12.2	12.6	12.9	13.2	13.4	13.7	14.1	14.5
37.5°	11.5	12.0	12.4	12.8	13.2	13.5	14.0	14.6	15.1	15.8	16.4
35°	12.0	12.5	13.0	13.3	13.9	14.6	15.4	16.4	17.2	18.5	19.7
32.5°	12.5	13.0	13.4	14.2	15.0	16.2	17.3	19.3	21.2	23.2	25.2
30°	13.0	13.4	14.3	15.3	16.7	18.6	21.0	23.9	26.8	30.0	34.4
27.5°	13.3	14.2	15.3	16.8	19.2	22.1	26.0	30.3	36.7	42.4	50.3
25°	13.9	15.0	16.7	19.2	22.6	27.1	33.7	41.4	53.2	76.7	111.4
22.5°	14.6	16.2	18.6	22.1	27.1	34.8	44.6	65.0	110.6	161.1	194.3
20°	15.4	17.3	21.0	26.0	33.7	44.6	69.2	131.6	186.6	221.8	254.7
17.5°	16.4	19.3	23.9	30.3	41.4	65.0	131.6	193.3	236.0	287.2	335.7
15°	17.2	21.2	26.8	36.7	53.2	110.6	186.6	236.0	298.3	372.1	486.1
12.5°	18.5	23.2	30.0	42.4	76.7	161.1	221.8	287.2	372.1	529.3	785.5
10°	19.7	25.2	34.4	50.3	111.4	194.3	254.7	335.7	486.1	785.5	1274.6
7.5°	20.7	26.7	37.8	61.5	144.8	216.4	290.3	398.3	649.2	1145.2	1813.4
5°	21.4	27.9	40.4	71.8	165.3	232.8	316.8	466.7	824.5	1489.3	2240.6
2.5°	21.9	28.6	41.9	82.4	177.6	242.8	333.1	521.4	964.1	1724.1	2497.3
0°	22.0	28.8	42.4	86.0	181.8	246.2	338.6	542.3	1011.9	1805.7	2585.9
-2.5°	21.9	28.6	41.9	82.4	177.6	242.8	333.1	521.4	964.1	1724.1	2497.3
-5°	21.4	27.9	40.4	71.8	165.3	232.8	316.8	466.7	824.5	1489.3	2240.6
-7.5°	20.7	26.7	37.8	61.5	144.8	216.4	290.3	398.3	649.2	1145.2	1813.4
-10°	19.7	25.2	34.4	50.3	111.4	194.3	254.7	335.7	486.1	785.5	1274.6
-12.5°	18.5	23.2	30.0	42.4	76.7	161.1	221.8	287.2	372.1	529.3	785.5
-15°	17.2	21.2	26.8	36.7	53.2	110.6	186.6	236.0	298.3	372.1	486.1
-17.5°	16.4	19.3	23.9	30.3	41.4	65.0	131.6	193.3	236.0	287.2	335.7
-20°	15.4	17.3	21.0	26.0	33.7	44.6	69.2	131.6	186.6	221.8	254.7



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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°	14.6	16.2	18.6	22.1	27.1	34.8	44.6	65.0	110.6	161.1	194.3
-25°	13.9	15.0	16.7	19.2	22.6	27.1	33.7	41.4	53.2	76.7	111.4
-27.5°	13.3	14.2	15.3	16.8	19.2	22.1	26.0	30.3	36.7	42.4	50.3
-30°	13.0	13.4	14.3	15.3	16.7	18.6	21.0	23.9	26.8	30.0	34.4
-32.5°	12.5	13.0	13.4	14.2	15.0	16.2	17.3	19.3	21.2	23.2	25.2
-35°	12.0	12.5	13.0	13.3	13.9	14.6	15.4	16.4	17.2	18.5	19.7
-37.5°	11.5	12.0	12.4	12.8	13.2	13.5	14.0	14.6	15.1	15.8	16.4
-40°	11.4	11.5	11.8	12.2	12.6	12.9	13.2	13.4	13.7	14.1	14.5
-42.5°	11.3	11.4	11.4	11.6	11.9	12.2	12.5	12.8	13.0	13.2	13.3
-45°	10.7	11.1	11.4	11.4	11.4	11.6	11.9	12.1	12.3	12.5	12.6
-47.5°	10.2	10.5	10.9	11.2	11.4	11.4	11.4	11.4	11.6	11.8	11.9
-50°	9.6	9.9	10.2	10.5	10.8	11.1	11.3	11.4	11.4	11.4	11.4
-52.5°	9.1	9.3	9.6	9.9	10.1	10.4	10.6	10.8	10.9	11.1	11.2
-55°	8.5	8.8	9.0	9.3	9.5	9.7	9.8	10.0	10.2	10.3	10.4
-57.5°	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.6
-60°	7.3	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.7	8.9	8.9
-62.5°	6.7	6.9	7.1	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2
-65°	6.2	6.3	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5
-67.5°	5.5	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-70°	4.9	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0
-72.5°	4.5	4.5	4.5	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.2
-75°	4.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
-77.5°	3.1	3.3	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.3	4.4
-80°	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-82.5°	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.2	2.3
-85°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
77.5°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.1
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.0
70°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8
67.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
65°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
62.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
60°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	8.9	8.9	8.7	8.6
57.5°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.3
55°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.0
52.5°	11.3	11.3	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9	10.8
50°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
47.5°	12.0	12.0	12.1	12.1	12.1	12.0	12.0	11.9	11.8	11.6	11.4
45°	12.7	12.8	12.9	12.9	12.9	12.8	12.7	12.6	12.5	12.3	12.1
42.5°	13.5	13.5	13.6	13.6	13.6	13.5	13.5	13.3	13.2	13.0	12.8
40°	14.8	14.9	15.1	15.1	15.1	14.9	14.8	14.5	14.1	13.7	13.4
37.5°	16.8	17.1	17.3	17.4	17.3	17.1	16.8	16.4	15.8	15.1	14.6
35°	20.7	21.4	21.9	22.0	21.9	21.4	20.7	19.7	18.5	17.2	16.4
32.5°	26.7	27.9	28.6	28.8	28.6	27.9	26.7	25.2	23.2	21.2	19.3
30°	37.8	40.4	41.9	42.4	41.9	40.4	37.8	34.4	30.0	26.8	23.9
27.5°	61.5	71.8	82.4	86.0	82.4	71.8	61.5	50.3	42.4	36.7	30.3
25°	144.8	165.3	177.6	181.8	177.6	165.3	144.8	111.4	76.7	53.2	41.4
22.5°	216.4	232.8	242.8	246.2	242.8	232.8	216.4	194.3	161.1	110.6	65.0
20°	290.3	316.8	333.1	338.6	333.1	316.8	290.3	254.7	221.8	186.6	131.6
17.5°	398.3	466.7	521.4	542.3	521.4	466.7	398.3	335.7	287.2	236.0	193.3
15°	649.2	824.5	964.1	1011.9	964.1	824.5	649.2	486.1	372.1	298.3	236.0
12.5°	1145.2	1489.3	1724.1	1805.7	1724.1	1489.3	1145.2	785.5	529.3	372.1	287.2
10°	1813.4	2240.6	2497.3	2585.9	2497.3	2240.6	1813.4	1274.6	785.5	486.1	335.7
7.5°	2413.9	2852.4	3128.5	3221.4	3128.5	2852.4	2413.9	1813.4	1145.2	649.2	398.3
5°	2852.4	3321.2	3617.3	3724.3	3617.3	3321.2	2852.4	2240.6	1489.3	824.5	466.7
2.5°	3128.5	3617.3	3934.1	4041.0	3934.1	3617.3	3128.5	2497.3	1724.1	964.1	521.4
0°	3221.4	3724.3	4041.0	4172.7	4041.0	3724.3	3221.4	2585.9	1805.7	1011.9	542.3
-2.5°	3128.5	3617.3	3934.1	4041.0	3934.1	3617.3	3128.5	2497.3	1724.1	964.1	521.4
-5°	2852.4	3321.2	3617.3	3724.3	3617.3	3321.2	2852.4	2240.6	1489.3	824.5	466.7
-7.5°	2413.9	2852.4	3128.5	3221.4	3128.5	2852.4	2413.9	1813.4	1145.2	649.2	398.3
-10°	1813.4	2240.6	2497.3	2585.9	2497.3	2240.6	1813.4	1274.6	785.5	486.1	335.7
-12.5°	1145.2	1489.3	1724.1	1805.7	1724.1	1489.3	1145.2	785.5	529.3	372.1	287.2
-15°	649.2	824.5	964.1	1011.9	964.1	824.5	649.2	486.1	372.1	298.3	236.0
-17.5°	398.3	466.7	521.4	542.3	521.4	466.7	398.3	335.7	287.2	236.0	193.3
-20°	290.3	316.8	333.1	338.6	333.1	316.8	290.3	254.7	221.8	186.6	131.6



REPORT NUMBER: P220313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	216.4	232.8	242.8	246.2	242.8	232.8	216.4	194.3	161.1	110.6	65.0
-25°	144.8	165.3	177.6	181.8	177.6	165.3	144.8	111.4	76.7	53.2	41.4
-27.5°	61.5	71.8	82.4	86.0	82.4	71.8	61.5	50.3	42.4	36.7	30.3
-30°	37.8	40.4	41.9	42.4	41.9	40.4	37.8	34.4	30.0	26.8	23.9
-32.5°	26.7	27.9	28.6	28.8	28.6	27.9	26.7	25.2	23.2	21.2	19.3
-35°	20.7	21.4	21.9	22.0	21.9	21.4	20.7	19.7	18.5	17.2	16.4
-37.5°	16.8	17.1	17.3	17.4	17.3	17.1	16.8	16.4	15.8	15.1	14.6
-40°	14.8	14.9	15.1	15.1	15.1	14.9	14.8	14.5	14.1	13.7	13.4
-42.5°	13.5	13.5	13.6	13.6	13.6	13.5	13.5	13.3	13.2	13.0	12.8
-45°	12.7	12.8	12.9	12.9	12.9	12.8	12.7	12.6	12.5	12.3	12.1
-47.5°	12.0	12.0	12.1	12.1	12.1	12.0	12.0	11.9	11.8	11.6	11.4
-50°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
-52.5°	11.3	11.3	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9	10.8
-55°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.2	10.0
-57.5°	9.7	9.8	9.8	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.3
-60°	9.0	9.1	9.1	9.1	9.1	9.1	9.0	8.9	8.9	8.7	8.6
-62.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	7.9
-65°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
-67.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-70°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8
-72.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.0
-75°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
-77.5°	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.1
-80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-82.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-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°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
82.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6
80°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.3	2.2
77.5°	4.0	3.9	3.8	3.6	3.5	3.3	3.1	3.0	2.9	2.8	2.7
75°	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.9	3.6	3.3
72.5°	5.0	4.9	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.4
70°	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.5	4.5
67.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	4.9	4.7
65°	7.1	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.7	5.5	5.3
62.5°	7.8	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.8
60°	8.5	8.3	8.1	8.0	7.8	7.6	7.3	7.1	6.8	6.6	6.3
57.5°	9.2	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.8
55°	9.8	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6	7.3
52.5°	10.6	10.4	10.1	9.9	9.6	9.3	9.1	8.7	8.4	8.1	7.7
50°	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.2
47.5°	11.4	11.4	11.4	11.2	10.9	10.5	10.2	9.8	9.4	9.1	8.6
45°	11.9	11.6	11.4	11.4	11.4	11.1	10.7	10.3	9.9	9.5	9.1
42.5°	12.5	12.2	11.9	11.6	11.4	11.4	11.3	10.9	10.4	9.9	9.5
40°	13.2	12.9	12.6	12.2	11.8	11.5	11.4	11.4	10.9	10.4	9.9
37.5°	14.0	13.5	13.2	12.8	12.4	12.0	11.5	11.4	11.4	10.9	10.3
35°	15.4	14.6	13.9	13.3	13.0	12.5	12.0	11.5	11.4	11.3	10.7
32.5°	17.3	16.2	15.0	14.2	13.4	13.0	12.5	12.0	11.5	11.4	11.1
30°	21.0	18.6	16.7	15.3	14.3	13.4	13.0	12.4	11.8	11.4	11.4
27.5°	26.0	22.1	19.2	16.8	15.3	14.2	13.3	12.8	12.2	11.6	11.4
25°	33.7	27.1	22.6	19.2	16.7	15.0	13.9	13.2	12.6	11.9	11.4
22.5°	44.6	34.8	27.1	22.1	18.6	16.2	14.6	13.5	12.9	12.2	11.6
20°	69.2	44.6	33.7	26.0	21.0	17.3	15.4	14.0	13.2	12.5	11.9
17.5°	131.6	65.0	41.4	30.3	23.9	19.3	16.4	14.6	13.4	12.8	12.1
15°	186.6	110.6	53.2	36.7	26.8	21.2	17.2	15.1	13.7	13.0	12.3
12.5°	221.8	161.1	76.7	42.4	30.0	23.2	18.5	15.8	14.1	13.2	12.5
10°	254.7	194.3	111.4	50.3	34.4	25.2	19.7	16.4	14.5	13.3	12.6
7.5°	290.3	216.4	144.8	61.5	37.8	26.7	20.7	16.8	14.8	13.5	12.7
5°	316.8	232.8	165.3	71.8	40.4	27.9	21.4	17.1	14.9	13.5	12.8
2.5°	333.1	242.8	177.6	82.4	41.9	28.6	21.9	17.3	15.1	13.6	12.9
0°	338.6	246.2	181.8	86.0	42.4	28.8	22.0	17.4	15.1	13.6	12.9
-2.5°	333.1	242.8	177.6	82.4	41.9	28.6	21.9	17.3	15.1	13.6	12.9
-5°	316.8	232.8	165.3	71.8	40.4	27.9	21.4	17.1	14.9	13.5	12.8
-7.5°	290.3	216.4	144.8	61.5	37.8	26.7	20.7	16.8	14.8	13.5	12.7
-10°	254.7	194.3	111.4	50.3	34.4	25.2	19.7	16.4	14.5	13.3	12.6
-12.5°	221.8	161.1	76.7	42.4	30.0	23.2	18.5	15.8	14.1	13.2	12.5
-15°	186.6	110.6	53.2	36.7	26.8	21.2	17.2	15.1	13.7	13.0	12.3
-17.5°	131.6	65.0	41.4	30.3	23.9	19.3	16.4	14.6	13.4	12.8	12.1
-20°	69.2	44.6	33.7	26.0	21.0	17.3	15.4	14.0	13.2	12.5	11.9



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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°	44.6	34.8	27.1	22.1	18.6	16.2	14.6	13.5	12.9	12.2	11.6
-25°	33.7	27.1	22.6	19.2	16.7	15.0	13.9	13.2	12.6	11.9	11.4
-27.5°	26.0	22.1	19.2	16.8	15.3	14.2	13.3	12.8	12.2	11.6	11.4
-30°	21.0	18.6	16.7	15.3	14.3	13.4	13.0	12.4	11.8	11.4	11.4
-32.5°	17.3	16.2	15.0	14.2	13.4	13.0	12.5	12.0	11.5	11.4	11.1
-35°	15.4	14.6	13.9	13.3	13.0	12.5	12.0	11.5	11.4	11.3	10.7
-37.5°	14.0	13.5	13.2	12.8	12.4	12.0	11.5	11.4	11.4	10.9	10.3
-40°	13.2	12.9	12.6	12.2	11.8	11.5	11.4	11.4	10.9	10.4	9.9
-42.5°	12.5	12.2	11.9	11.6	11.4	11.4	11.3	10.9	10.4	9.9	9.5
-45°	11.9	11.6	11.4	11.4	11.4	11.1	10.7	10.3	9.9	9.5	9.1
-47.5°	11.4	11.4	11.4	11.2	10.9	10.5	10.2	9.8	9.4	9.1	8.6
-50°	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.2
-52.5°	10.6	10.4	10.1	9.9	9.6	9.3	9.1	8.7	8.4	8.1	7.7
-55°	9.8	9.7	9.5	9.3	9.0	8.8	8.5	8.2	7.9	7.6	7.3
-57.5°	9.2	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.4	7.1	6.8
-60°	8.5	8.3	8.1	8.0	7.8	7.6	7.3	7.1	6.8	6.6	6.3
-62.5°	7.8	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.8
-65°	7.1	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.7	5.5	5.3
-67.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	4.9	4.7
-70°	5.7	5.6	5.5	5.4	5.2	5.1	4.9	4.7	4.6	4.5	4.5
-72.5°	5.0	4.9	4.8	4.7	4.5	4.5	4.5	4.5	4.5	4.5	4.4
-75°	4.5	4.5	4.5	4.5	4.5	4.5	4.3	4.1	3.9	3.6	3.3
-77.5°	4.0	3.9	3.8	3.6	3.5	3.3	3.1	3.0	2.9	2.8	2.7
-80°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.3	2.3	2.2
-82.5°	2.2	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6
-85°	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
85°	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
80°	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9
77.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.1
75°	3.0	2.9	2.7	2.6	2.4	2.3	2.1	1.9	1.7	1.5	1.3
72.5°	4.0	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
70°	4.5	4.5	4.2	3.8	3.4	3.0	2.7	2.5	2.3	2.0	1.8
67.5°	4.5	4.5	4.5	4.5	4.1	3.6	3.1	2.8	2.6	2.3	2.0
65°	5.0	4.7	4.5	4.5	4.5	4.3	3.8	3.2	2.8	2.5	2.2
62.5°	5.5	5.2	4.9	4.6	4.5	4.5	4.4	3.8	3.1	2.7	2.4
60°	6.0	5.7	5.4	5.0	4.7	4.5	4.5	4.3	3.6	3.0	2.6
57.5°	6.5	6.2	5.8	5.4	5.1	4.7	4.5	4.5	4.1	3.4	2.8
55°	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.5	4.5	3.8	3.0
52.5°	7.4	7.0	6.6	6.2	5.8	5.4	4.9	4.5	4.5	4.2	3.3
50°	7.8	7.4	7.0	6.6	6.2	5.7	5.2	4.7	4.5	4.5	3.7
47.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.5	5.0	4.5	4.5	4.0
45°	8.6	8.2	7.7	7.3	6.8	6.3	5.8	5.3	4.7	4.5	4.4
42.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.5	4.9	4.5	4.5
40°	9.4	8.9	8.4	7.9	7.4	6.8	6.3	5.7	5.2	4.6	4.5
37.5°	9.8	9.3	8.7	8.2	7.7	7.1	6.5	6.0	5.4	4.7	4.5
35°	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.2	5.5	4.9	4.5
32.5°	10.5	9.9	9.3	8.8	8.1	7.6	6.9	6.3	5.7	5.1	4.5
30°	10.9	10.2	9.6	9.0	8.4	7.8	7.1	6.5	5.9	5.2	4.5
27.5°	11.2	10.5	9.9	9.3	8.6	8.0	7.3	6.7	6.0	5.4	4.7
25°	11.4	10.8	10.1	9.5	8.8	8.1	7.5	6.8	6.2	5.5	4.8
22.5°	11.4	11.1	10.4	9.7	9.0	8.3	7.7	7.0	6.3	5.6	4.9
20°	11.4	11.3	10.6	9.8	9.2	8.5	7.8	7.1	6.4	5.7	5.0
17.5°	11.4	11.4	10.8	10.0	9.3	8.6	7.9	7.2	6.5	5.8	5.0
15°	11.6	11.4	10.9	10.2	9.5	8.7	8.0	7.3	6.6	5.9	5.1
12.5°	11.8	11.4	11.1	10.3	9.6	8.9	8.1	7.4	6.6	5.9	5.2
10°	11.9	11.4	11.2	10.4	9.6	8.9	8.2	7.5	6.7	6.0	5.2
7.5°	12.0	11.4	11.3	10.5	9.7	9.0	8.2	7.5	6.7	6.0	5.3
5°	12.0	11.4	11.3	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3
2.5°	12.1	11.4	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3
0°	12.1	11.4	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3
-2.5°	12.1	11.4	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3
-5°	12.0	11.4	11.3	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3
-7.5°	12.0	11.4	11.3	10.5	9.7	9.0	8.2	7.5	6.7	6.0	5.3
-10°	11.9	11.4	11.2	10.4	9.6	8.9	8.2	7.5	6.7	6.0	5.2
-12.5°	11.8	11.4	11.1	10.3	9.6	8.9	8.1	7.4	6.6	5.9	5.2
-15°	11.6	11.4	10.9	10.2	9.5	8.7	8.0	7.3	6.6	5.9	5.1
-17.5°	11.4	11.4	10.8	10.0	9.3	8.6	7.9	7.2	6.5	5.8	5.0
-20°	11.4	11.3	10.6	9.8	9.2	8.5	7.8	7.1	6.4	5.7	5.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	11.4	11.1	10.4	9.7	9.0	8.3	7.7	7.0	6.3	5.6	4.9
-25°	11.4	10.8	10.1	9.5	8.8	8.1	7.5	6.8	6.2	5.5	4.8
-27.5°	11.2	10.5	9.9	9.3	8.6	8.0	7.3	6.7	6.0	5.4	4.7
-30°	10.9	10.2	9.6	9.0	8.4	7.8	7.1	6.5	5.9	5.2	4.5
-32.5°	10.5	9.9	9.3	8.8	8.1	7.6	6.9	6.3	5.7	5.1	4.5
-35°	10.2	9.6	9.1	8.5	7.9	7.3	6.7	6.2	5.5	4.9	4.5
-37.5°	9.8	9.3	8.7	8.2	7.7	7.1	6.5	6.0	5.4	4.7	4.5
-40°	9.4	8.9	8.4	7.9	7.4	6.8	6.3	5.7	5.2	4.6	4.5
-42.5°	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.5	4.9	4.5	4.5
-45°	8.6	8.2	7.7	7.3	6.8	6.3	5.8	5.3	4.7	4.5	4.4
-47.5°	8.2	7.8	7.4	6.9	6.5	6.0	5.5	5.0	4.5	4.5	4.0
-50°	7.8	7.4	7.0	6.6	6.2	5.7	5.2	4.7	4.5	4.5	3.7
-52.5°	7.4	7.0	6.6	6.2	5.8	5.4	4.9	4.5	4.5	4.2	3.3
-55°	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.5	4.5	3.8	3.0
-57.5°	6.5	6.2	5.8	5.4	5.1	4.7	4.5	4.5	4.1	3.4	2.8
-60°	6.0	5.7	5.4	5.0	4.7	4.5	4.5	4.3	3.6	3.0	2.6
-62.5°	5.5	5.2	4.9	4.6	4.5	4.5	4.4	3.8	3.1	2.7	2.4
-65°	5.0	4.7	4.5	4.5	4.5	4.3	3.8	3.2	2.8	2.5	2.2
-67.5°	4.5	4.5	4.5	4.5	4.1	3.6	3.1	2.8	2.6	2.3	2.0
-70°	4.5	4.5	4.2	3.8	3.4	3.0	2.7	2.5	2.3	2.0	1.8
-72.5°	4.0	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6
-75°	3.0	2.9	2.7	2.6	2.4	2.3	2.1	1.9	1.7	1.5	1.3
-77.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.1
-80°	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	0.9
-82.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.8	0.7
-85°	1.0	1.0	1.0	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
77.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
72.5°	1.3	1.1	0.9	0.7	0.5	0.2	0.0
70°	1.5	1.3	1.1	0.8	0.5	0.3	0.0
67.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
65°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
62.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
60°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
57.5°	2.4	2.0	1.6	1.2	0.9	0.4	0.0
55°	2.6	2.2	1.7	1.3	0.9	0.5	0.0
52.5°	2.7	2.3	1.8	1.4	1.0	0.5	0.0
50°	2.9	2.4	2.0	1.4	1.0	0.5	0.0
47.5°	3.0	2.6	2.1	1.5	1.0	0.5	0.0
45°	3.3	2.7	2.2	1.6	1.1	0.6	0.0
42.5°	3.6	2.8	2.3	1.7	1.1	0.6	0.0
40°	3.9	2.9	2.3	1.7	1.2	0.6	0.0
37.5°	4.1	3.0	2.4	1.8	1.2	0.6	0.0
35°	4.3	3.1	2.5	1.9	1.2	0.7	0.0
32.5°	4.5	3.3	2.6	1.9	1.3	0.7	0.0
30°	4.5	3.5	2.6	2.0	1.3	0.7	0.0
27.5°	4.5	3.6	2.7	2.0	1.3	0.7	0.0
25°	4.5	3.8	2.7	2.1	1.4	0.7	0.0
22.5°	4.5	3.9	2.8	2.1	1.4	0.7	0.0
20°	4.5	4.0	2.8	2.2	1.4	0.8	0.0
17.5°	4.5	4.1	2.9	2.2	1.4	0.8	0.0
15°	4.5	4.2	2.9	2.2	1.5	0.8	0.0
12.5°	4.5	4.3	2.9	2.2	1.5	0.8	0.0
10°	4.5	4.4	3.0	2.3	1.5	0.8	0.0
7.5°	4.5	4.4	3.0	2.3	1.5	0.8	0.0
5°	4.5	4.5	3.0	2.3	1.5	0.8	0.0
2.5°	4.5	4.5	3.0	2.3	1.5	0.8	0.0
0°	4.5	4.5	3.0	2.3	1.5	0.8	0.0
-2.5°	4.5	4.5	3.0	2.3	1.5	0.8	0.0
-5°	4.5	4.5	3.0	2.3	1.5	0.8	0.0
-7.5°	4.5	4.4	3.0	2.3	1.5	0.8	0.0
-10°	4.5	4.4	3.0	2.3	1.5	0.8	0.0
-12.5°	4.5	4.3	2.9	2.2	1.5	0.8	0.0
-15°	4.5	4.2	2.9	2.2	1.5	0.8	0.0
-17.5°	4.5	4.1	2.9	2.2	1.4	0.8	0.0
-20°	4.5	4.0	2.8	2.2	1.4	0.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	4.5	3.9	2.8	2.1	1.4	0.7	0.0
-25°	4.5	3.8	2.7	2.1	1.4	0.7	0.0
-27.5°	4.5	3.6	2.7	2.0	1.3	0.7	0.0
-30°	4.5	3.5	2.6	2.0	1.3	0.7	0.0
-32.5°	4.5	3.3	2.6	1.9	1.3	0.7	0.0
-35°	4.3	3.1	2.5	1.9	1.2	0.7	0.0
-37.5°	4.1	3.0	2.4	1.8	1.2	0.6	0.0
-40°	3.9	2.9	2.3	1.7	1.2	0.6	0.0
-42.5°	3.6	2.8	2.3	1.7	1.1	0.6	0.0
-45°	3.3	2.7	2.2	1.6	1.1	0.6	0.0
-47.5°	3.0	2.6	2.1	1.5	1.0	0.5	0.0
-50°	2.9	2.4	2.0	1.4	1.0	0.5	0.0
-52.5°	2.7	2.3	1.8	1.4	1.0	0.5	0.0
-55°	2.6	2.2	1.7	1.3	0.9	0.5	0.0
-57.5°	2.4	2.0	1.6	1.2	0.9	0.4	0.0
-60°	2.3	1.9	1.5	1.1	0.8	0.4	0.0
-62.5°	2.1	1.7	1.4	1.1	0.7	0.4	0.0
-65°	1.9	1.6	1.3	1.0	0.7	0.3	0.0
-67.5°	1.7	1.4	1.2	0.9	0.6	0.3	0.0
-70°	1.5	1.3	1.1	0.8	0.5	0.3	0.0
-72.5°	1.3	1.1	0.9	0.7	0.5	0.2	0.0
-75°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-77.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-80°	0.8	0.7	0.6	0.4	0.3	0.1	0.0
-82.5°	0.6	0.5	0.4	0.3	0.2	0.1	0.0
-85°	0.4	0.3	0.3	0.2	0.1	0.1	0.0
-87.5°	0.2	0.2	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)