

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: P220329 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P220329 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
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-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 2700K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

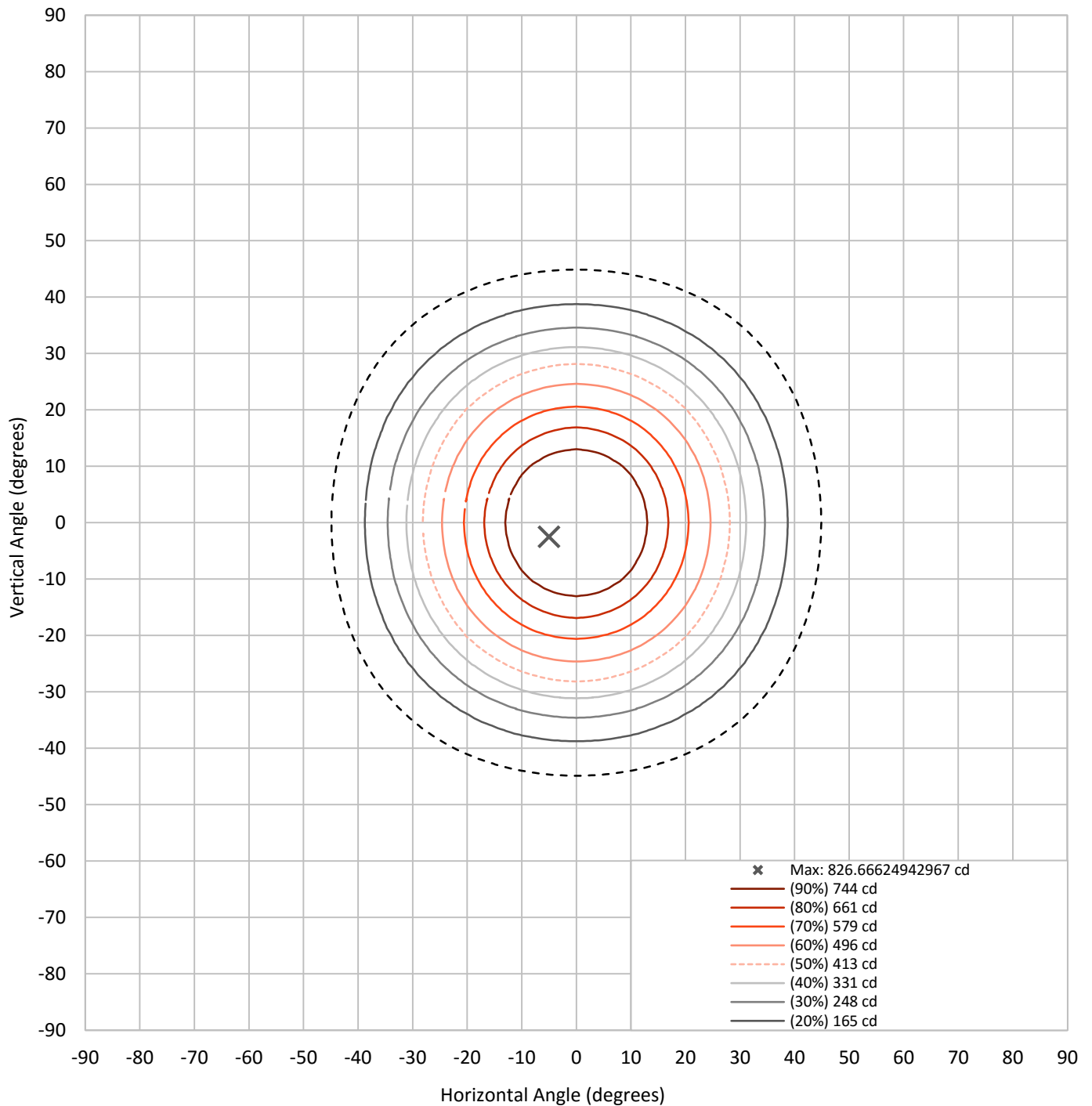
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	732.5 lumens	Max Intensity:	826.7 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -2.5°V
Efficacy:	73.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	56.1°H x 55.5°V	Field Angle (10%):	89.7°H x 89.4°V
Beam Lumens:	453.1 lumens	Field Lumens:	683.9 lumens
Beam Efficiency:	61.9%	Field Efficiency:	93.4%
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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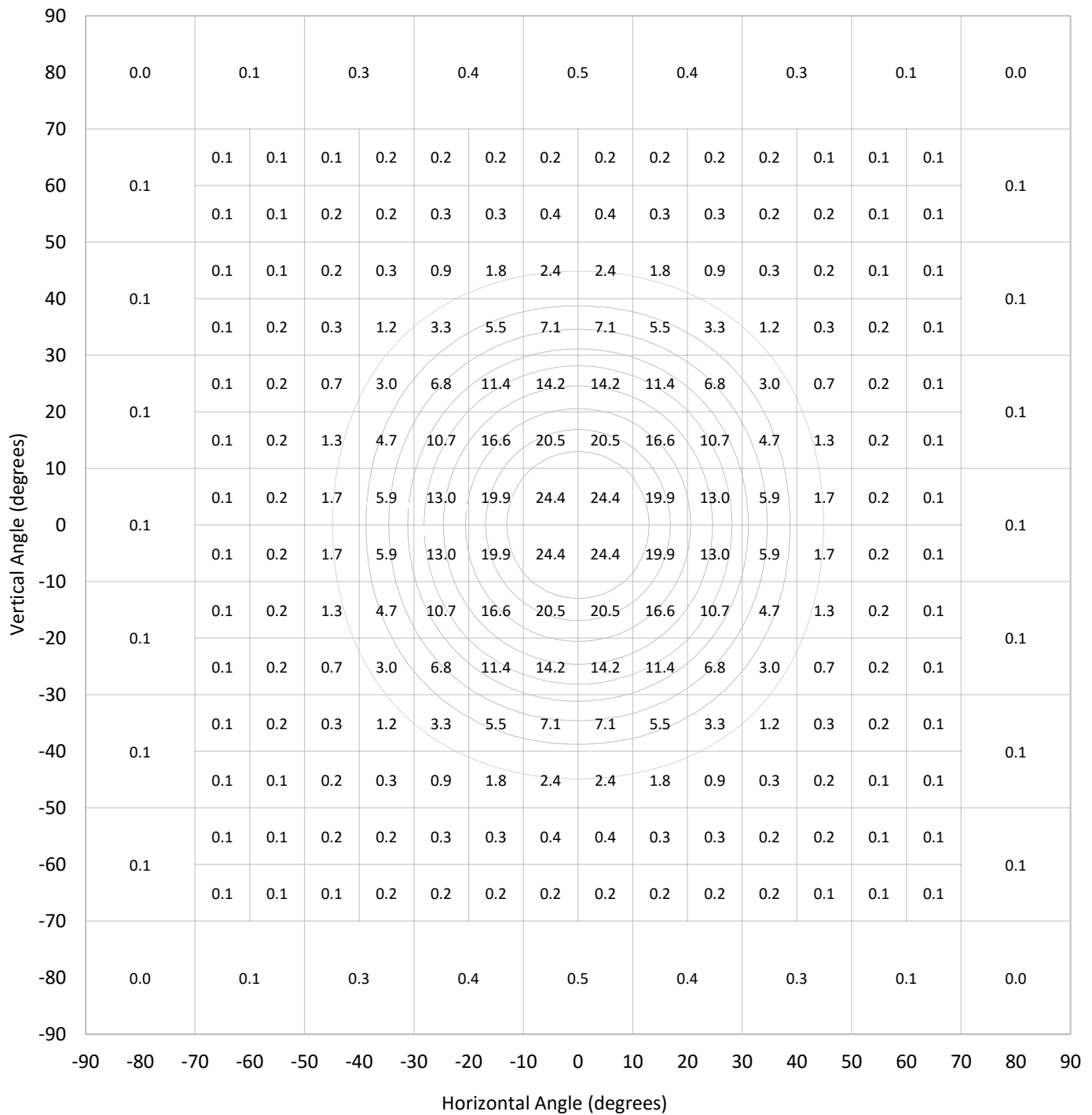
Iso-Candela Plot





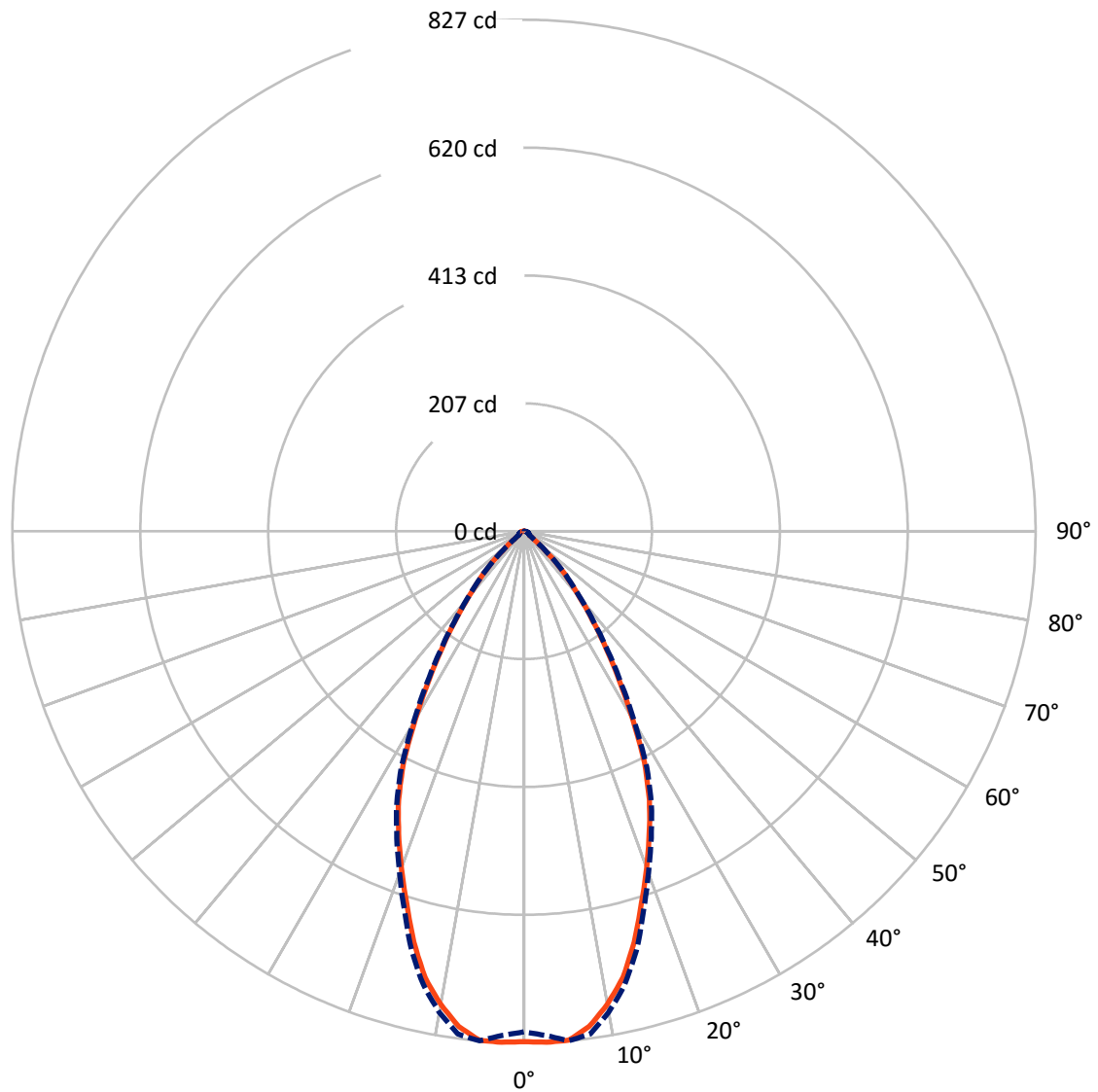
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Lumen Table



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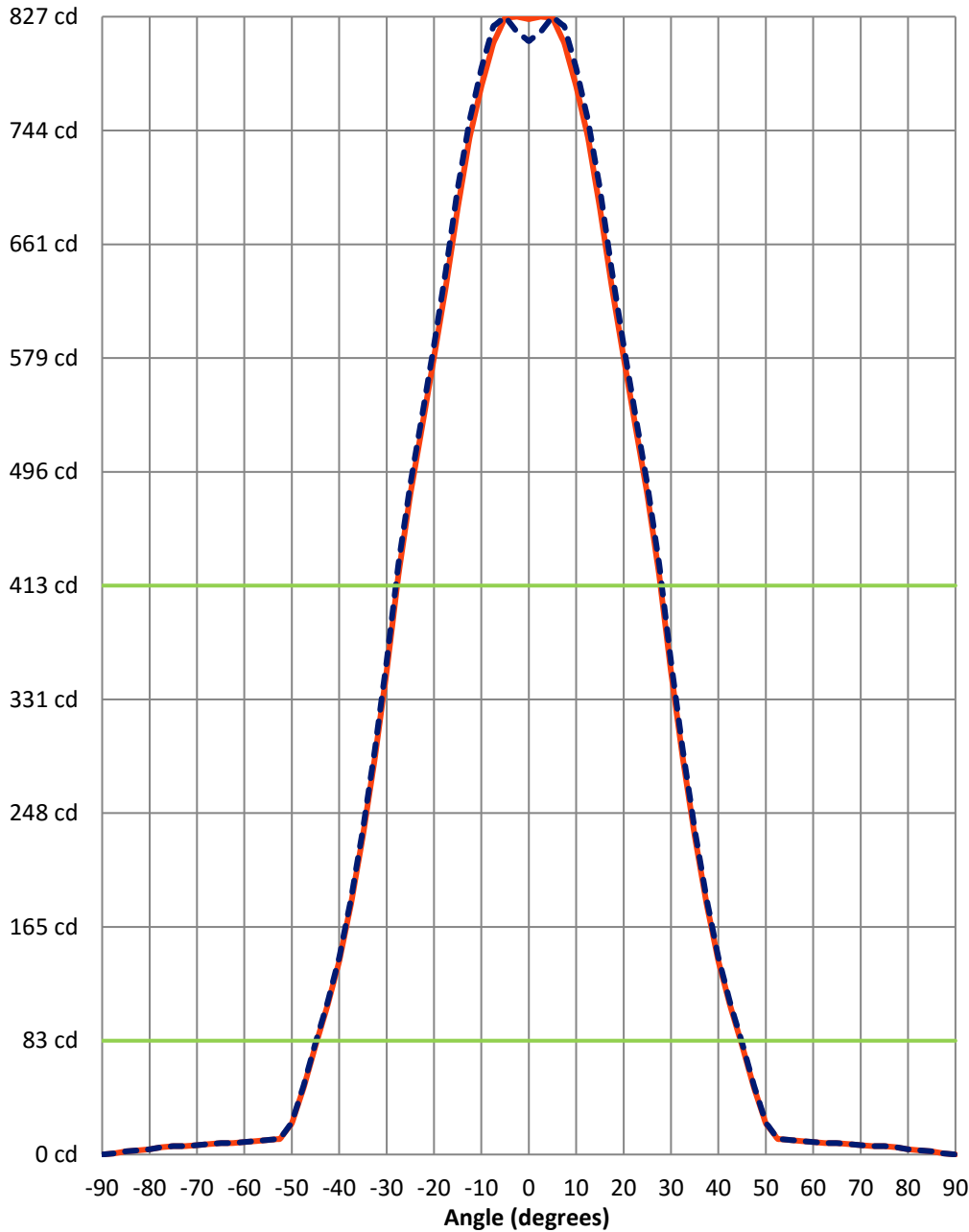
Luminous Intensity Polar Plot



— Vertical Distribution Through -5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 56.1°
 V Angle: 55.5°
 Lumens: 453.1
 Efficiency: 61.9%

Field:
 H Angle: 89.7°
 V Angle: 89.4°
 Lumens: 683.9
 Efficiency: 93.4%

Spill:
 Lumens: 48.6
 Efficiency: 6.6%

- Vertical Distribution through -5-Deg
- - - Horizontal Distribution through -2.5-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	1.0	1.2
80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.1	1.3	1.6	1.8
77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.2	2.4
75°	0.0	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2.3	2.5	2.7
72.5°	0.0	0.2	0.5	0.7	1.1	1.5	2.0	2.4	2.6	2.8	2.9
70°	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.6	2.8	3.0	3.3
67.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.5	2.8	3.0	3.3	3.6
65°	0.0	0.3	0.7	1.2	1.8	2.4	2.7	2.9	3.3	3.6	4.0
62.5°	0.0	0.4	0.7	1.4	2.1	2.5	2.8	3.2	3.5	3.9	4.6
60°	0.0	0.4	0.8	1.5	2.3	2.6	3.0	3.4	3.8	4.4	5.1
57.5°	0.0	0.4	0.9	1.7	2.4	2.8	3.2	3.6	4.2	4.9	5.5
55°	0.0	0.5	1.0	1.9	2.5	2.9	3.3	3.8	4.6	5.4	5.8
52.5°	0.0	0.5	1.1	2.0	2.6	3.0	3.5	4.1	5.0	5.6	6.1
50°	0.0	0.5	1.2	2.2	2.7	3.2	3.7	4.5	5.4	5.9	6.1
47.5°	0.0	0.5	1.3	2.3	2.8	3.3	3.8	4.8	5.6	6.1	6.1
45°	0.0	0.6	1.4	2.4	2.9	3.4	4.1	5.2	5.8	6.1	6.1
42.5°	0.0	0.6	1.5	2.4	3.0	3.5	4.4	5.4	6.0	6.1	6.3
40°	0.0	0.6	1.6	2.5	3.0	3.7	4.7	5.6	6.1	6.1	6.5
37.5°	0.0	0.6	1.7	2.6	3.1	3.8	4.9	5.7	6.1	6.1	6.7
35°	0.0	0.7	1.8	2.6	3.2	3.9	5.1	5.9	6.1	6.3	6.9
32.5°	0.0	0.7	1.8	2.7	3.3	4.1	5.3	6.0	6.1	6.5	7.1
30°	0.0	0.7	1.9	2.7	3.4	4.3	5.4	6.1	6.1	6.6	7.3
27.5°	0.0	0.7	2.0	2.8	3.4	4.4	5.5	6.1	6.1	6.8	7.4
25°	0.0	0.7	2.0	2.8	3.5	4.6	5.6	6.1	6.3	6.9	7.6
22.5°	0.0	0.7	2.1	2.8	3.6	4.7	5.7	6.1	6.4	7.0	7.7
20°	0.0	0.8	2.1	2.9	3.6	4.8	5.8	6.1	6.4	7.1	7.9
17.5°	0.0	0.8	2.2	2.9	3.7	4.9	5.9	6.1	6.5	7.2	8.0
15°	0.0	0.8	2.2	2.9	3.7	5.0	5.9	6.1	6.6	7.3	8.0
12.5°	0.0	0.8	2.2	2.9	3.7	5.1	6.0	6.1	6.7	7.4	8.1
10°	0.0	0.8	2.3	3.0	3.8	5.2	6.0	6.1	6.7	7.5	8.2
7.5°	0.0	0.8	2.3	3.0	3.8	5.2	6.1	6.1	6.8	7.5	8.2
5°	0.0	0.8	2.3	3.0	3.8	5.3	6.1	6.1	6.8	7.6	8.3
2.5°	0.0	0.8	2.3	3.0	3.8	5.3	6.1	6.1	6.8	7.6	8.3
0°	0.0	0.8	2.3	3.0	3.8	5.3	6.1	6.1	6.8	7.6	8.3
-2.5°	0.0	0.8	2.3	3.0	3.8	5.3	6.1	6.1	6.8	7.6	8.3
-5°	0.0	0.8	2.3	3.0	3.8	5.3	6.1	6.1	6.8	7.6	8.3
-7.5°	0.0	0.8	2.3	3.0	3.8	5.2	6.1	6.1	6.8	7.5	8.2
-10°	0.0	0.8	2.3	3.0	3.8	5.2	6.0	6.1	6.7	7.5	8.2
-12.5°	0.0	0.8	2.2	2.9	3.7	5.1	6.0	6.1	6.7	7.4	8.1
-15°	0.0	0.8	2.2	2.9	3.7	5.0	5.9	6.1	6.6	7.3	8.0
-17.5°	0.0	0.8	2.2	2.9	3.7	4.9	5.9	6.1	6.5	7.2	8.0
-20°	0.0	0.8	2.1	2.9	3.6	4.8	5.8	6.1	6.4	7.1	7.9



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-W-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	2.1	2.8	3.6	4.7	5.7	6.1	6.4	7.0	7.7
-25°	0.0	0.7	2.0	2.8	3.5	4.6	5.6	6.1	6.3	6.9	7.6
-27.5°	0.0	0.7	2.0	2.8	3.4	4.4	5.5	6.1	6.1	6.8	7.4
-30°	0.0	0.7	1.9	2.7	3.4	4.3	5.4	6.1	6.1	6.6	7.3
-32.5°	0.0	0.7	1.8	2.7	3.3	4.1	5.3	6.0	6.1	6.5	7.1
-35°	0.0	0.7	1.8	2.6	3.2	3.9	5.1	5.9	6.1	6.3	6.9
-37.5°	0.0	0.6	1.7	2.6	3.1	3.8	4.9	5.7	6.1	6.1	6.7
-40°	0.0	0.6	1.6	2.5	3.0	3.7	4.7	5.6	6.1	6.1	6.5
-42.5°	0.0	0.6	1.5	2.4	3.0	3.5	4.4	5.4	6.0	6.1	6.3
-45°	0.0	0.6	1.4	2.4	2.9	3.4	4.1	5.2	5.8	6.1	6.1
-47.5°	0.0	0.5	1.3	2.3	2.8	3.3	3.8	4.8	5.6	6.1	6.1
-50°	0.0	0.5	1.2	2.2	2.7	3.2	3.7	4.5	5.4	5.9	6.1
-52.5°	0.0	0.5	1.1	2.0	2.6	3.0	3.5	4.1	5.0	5.6	6.1
-55°	0.0	0.5	1.0	1.9	2.5	2.9	3.3	3.8	4.6	5.4	5.8
-57.5°	0.0	0.4	0.9	1.7	2.4	2.8	3.2	3.6	4.2	4.9	5.5
-60°	0.0	0.4	0.8	1.5	2.3	2.6	3.0	3.4	3.8	4.4	5.1
-62.5°	0.0	0.4	0.7	1.4	2.1	2.5	2.8	3.2	3.5	3.9	4.6
-65°	0.0	0.3	0.7	1.2	1.8	2.4	2.7	2.9	3.3	3.6	4.0
-67.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.5	2.8	3.0	3.3	3.6
-70°	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.6	2.8	3.0	3.3
-72.5°	0.0	0.2	0.5	0.7	1.1	1.5	2.0	2.4	2.6	2.8	2.9
-75°	0.0	0.2	0.4	0.6	0.8	1.2	1.6	2.0	2.3	2.5	2.7
-77.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.2	1.5	1.8	2.2	2.4
-80°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.1	1.3	1.6	1.8
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2
-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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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-W-WT-L1-UNV

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	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
82.5°	1.4	1.5	1.7	1.9	2.0	2.2	2.3	2.4	2.4	2.5	2.6
80°	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1
77.5°	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.7	3.8
75°	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.1	4.4	4.7	4.9
72.5°	3.2	3.4	3.6	3.8	4.1	4.5	4.8	5.2	5.4	5.6	5.7
70°	3.5	3.8	4.2	4.6	5.0	5.4	5.6	5.8	6.0	6.1	6.1
67.5°	3.9	4.4	4.9	5.4	5.6	5.9	6.1	6.1	6.1	6.1	6.1
65°	4.6	5.1	5.5	5.8	6.1	6.1	6.1	6.1	6.3	6.5	6.7
62.5°	5.2	5.6	5.9	6.1	6.1	6.1	6.3	6.5	6.8	7.0	7.3
60°	5.6	5.9	6.1	6.1	6.2	6.4	6.7	7.0	7.3	7.6	7.8
57.5°	5.9	6.1	6.1	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.3
55°	6.1	6.1	6.2	6.6	6.9	7.3	7.7	8.0	8.3	8.3	8.3
52.5°	6.1	6.2	6.5	6.9	7.4	7.7	8.1	8.3	8.3	8.4	8.7
50°	6.1	6.4	6.9	7.3	7.7	8.1	8.3	8.3	8.6	8.9	9.3
47.5°	6.3	6.7	7.2	7.7	8.1	8.3	8.3	8.6	9.1	9.4	9.8
45°	6.5	7.0	7.5	8.0	8.3	8.3	8.6	9.1	9.5	9.9	10.3
42.5°	6.8	7.3	7.8	8.3	8.3	8.6	9.1	9.5	9.9	10.4	10.9
40°	7.0	7.6	8.1	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4
37.5°	7.3	7.8	8.3	8.3	8.7	9.3	9.8	10.3	10.9	11.4	18.7
35°	7.5	8.1	8.3	8.5	9.1	9.6	10.2	10.7	11.3	18.0	29.3
32.5°	7.7	8.3	8.3	8.8	9.3	9.9	10.5	11.1	16.0	26.2	45.2
30°	7.9	8.3	8.4	9.0	9.6	10.2	10.9	12.7	22.0	40.5	61.9
27.5°	8.1	8.3	8.6	9.3	9.9	10.5	11.2	17.9	32.7	54.5	78.4
25°	8.2	8.3	8.8	9.5	10.1	10.8	12.6	22.8	44.5	69.0	93.0
22.5°	8.3	8.3	9.0	9.7	10.4	11.1	16.8	32.1	56.1	82.4	106.4
20°	8.3	8.5	9.2	9.8	10.6	11.3	20.6	41.4	67.5	93.8	120.0
17.5°	8.3	8.6	9.3	10.0	10.8	12.9	24.7	49.7	77.8	104.1	132.8
15°	8.3	8.7	9.5	10.2	10.9	15.7	31.5	57.9	86.5	113.6	144.3
12.5°	8.3	8.9	9.6	10.3	11.1	18.0	37.3	65.1	93.8	122.7	157.1
10°	8.3	8.9	9.6	10.4	11.2	20.0	42.1	71.1	99.8	130.2	167.7
7.5°	8.3	9.0	9.7	10.5	11.3	21.5	45.8	75.7	104.5	136.2	176.1
5°	8.3	9.1	9.8	10.6	11.3	22.6	48.5	79.1	107.9	140.4	182.2
2.5°	8.3	9.1	9.8	10.6	11.4	23.3	50.2	81.1	109.9	143.0	185.9
0°	8.3	9.1	9.8	10.6	11.4	23.5	50.7	81.8	110.6	143.9	187.1
-2.5°	8.3	9.1	9.8	10.6	11.4	23.5	50.7	81.8	110.6	143.9	187.1
-5°	8.3	9.1	9.8	10.6	11.3	22.6	48.5	79.1	107.9	140.4	182.2
-7.5°	8.3	9.0	9.7	10.5	11.3	21.5	45.8	75.7	104.5	136.2	176.1
-10°	8.3	8.9	9.6	10.4	11.2	20.0	42.1	71.1	99.8	130.2	167.7
-12.5°	8.3	8.9	9.6	10.3	11.1	18.0	37.3	65.1	93.8	122.7	157.1
-15°	8.3	8.7	9.5	10.2	10.9	15.7	31.5	57.9	86.5	113.6	144.3
-17.5°	8.3	8.6	9.3	10.0	10.8	12.9	24.7	49.7	77.8	104.1	132.8
-20°	8.3	8.5	9.2	9.8	10.6	11.3	20.6	41.4	67.5	93.8	120.0



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	8.3	8.3	9.0	9.7	10.4	11.1	16.8	32.1	56.1	82.4	106.4
-25°	8.2	8.3	8.8	9.5	10.1	10.8	12.6	22.8	44.5	69.0	93.0
-27.5°	8.1	8.3	8.6	9.3	9.9	10.5	11.2	17.9	32.7	54.5	78.4
-30°	7.9	8.3	8.4	9.0	9.6	10.2	10.9	12.7	22.0	40.5	61.9
-32.5°	7.7	8.3	8.3	8.8	9.3	9.9	10.5	11.1	16.0	26.2	45.2
-35°	7.5	8.1	8.3	8.5	9.1	9.6	10.2	10.7	11.3	18.0	29.3
-37.5°	7.3	7.8	8.3	8.3	8.7	9.3	9.8	10.3	10.9	11.4	18.7
-40°	7.0	7.6	8.1	8.3	8.4	8.9	9.4	9.9	10.4	10.9	11.4
-42.5°	6.8	7.3	7.8	8.3	8.3	8.6	9.1	9.5	9.9	10.4	10.9
-45°	6.5	7.0	7.5	8.0	8.3	8.3	8.6	9.1	9.5	9.9	10.3
-47.5°	6.3	6.7	7.2	7.7	8.1	8.3	8.3	8.6	9.1	9.4	9.8
-50°	6.1	6.4	6.9	7.3	7.7	8.1	8.3	8.3	8.6	8.9	9.3
-52.5°	6.1	6.2	6.5	6.9	7.4	7.7	8.1	8.3	8.3	8.4	8.7
-55°	6.1	6.1	6.2	6.6	6.9	7.3	7.7	8.0	8.3	8.3	8.3
-57.5°	5.9	6.1	6.1	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.3
-60°	5.6	5.9	6.1	6.1	6.2	6.4	6.7	7.0	7.3	7.6	7.8
-62.5°	5.2	5.6	5.9	6.1	6.1	6.1	6.3	6.5	6.8	7.0	7.3
-65°	4.6	5.1	5.5	5.8	6.1	6.1	6.1	6.1	6.3	6.5	6.7
-67.5°	3.9	4.4	4.9	5.4	5.6	5.9	6.1	6.1	6.1	6.1	6.1
-70°	3.5	3.8	4.2	4.6	5.0	5.4	5.6	5.8	6.0	6.1	6.1
-72.5°	3.2	3.4	3.6	3.8	4.1	4.5	4.8	5.2	5.4	5.6	5.7
-75°	2.8	3.0	3.2	3.3	3.5	3.7	3.8	4.1	4.4	4.7	4.9
-77.5°	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.4	3.5	3.7	3.8
-80°	2.1	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1
-82.5°	1.4	1.5	1.7	1.9	2.0	2.2	2.3	2.4	2.4	2.5	2.6
-85°	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
-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



REPORT NUMBER: P220329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-W-WT-L1-UNV

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°	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3
82.5°	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0
80°	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.8
77.5°	3.9	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.2
75°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.0
72.5°	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.1	6.1	6.1	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
67.5°	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
65°	6.9	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.0	8.1	8.2
62.5°	7.5	7.7	7.9	8.1	8.2	8.3	8.3	8.3	8.3	8.3	8.3
60°	8.1	8.3	8.3	8.3	8.3	8.3	8.5	8.6	8.7	8.9	8.9
57.5°	8.3	8.3	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	12.9	15.7	18.0	20.0
47.5°	10.2	10.5	10.9	11.2	12.6	16.8	20.6	24.7	31.5	37.3	42.1
45°	10.7	11.1	12.7	17.9	22.8	32.1	41.4	49.7	57.9	65.1	71.1
42.5°	11.3	16.0	22.0	32.7	44.5	56.1	67.5	77.8	86.5	93.8	99.8
40°	18.0	26.2	40.5	54.5	69.0	82.4	93.8	104.1	113.6	122.7	130.2
37.5°	29.3	45.2	61.9	78.4	93.0	106.4	120.0	132.8	144.3	157.1	167.7
35°	46.8	65.6	84.0	100.3	116.4	133.0	149.6	167.6	183.7	199.4	213.0
32.5°	65.6	85.7	103.9	122.9	141.9	164.4	185.8	208.4	228.7	247.6	264.5
30°	84.0	103.9	125.1	147.2	173.5	200.1	227.0	253.6	278.7	301.3	322.1
27.5°	100.3	122.9	147.2	176.5	207.5	238.6	271.5	302.6	333.4	360.4	384.3
25°	116.4	141.9	173.5	207.5	243.0	280.6	318.6	355.5	390.8	424.8	449.2
22.5°	133.0	164.4	200.1	238.6	280.6	324.1	367.2	412.0	448.7	477.0	499.2
20°	149.6	185.8	227.0	271.5	318.6	367.2	419.1	460.2	493.1	520.6	544.4
17.5°	167.6	208.4	253.6	302.6	355.5	412.0	460.2	498.5	531.6	562.8	589.3
15°	183.7	228.7	278.7	333.4	390.8	448.7	493.1	531.6	569.2	602.8	635.5
12.5°	199.4	247.6	301.3	360.4	424.8	477.0	520.6	562.8	602.8	643.9	683.5
10°	213.0	264.5	322.1	384.3	449.2	499.2	544.4	589.3	635.5	683.5	726.4
7.5°	223.7	277.9	338.7	405.6	467.4	516.6	564.6	612.2	664.7	716.7	755.5
5°	231.5	287.6	350.7	421.1	479.5	529.0	579.2	630.6	687.5	738.7	776.0
2.5°	236.2	293.4	358.0	429.1	486.8	537.0	587.9	642.4	701.8	751.1	789.2
0°	237.8	295.4	360.5	431.8	489.3	539.7	590.8	646.5	706.7	755.2	793.8
-2.5°	236.2	293.4	358.0	429.1	486.8	537.0	587.9	642.4	701.8	751.1	789.2
-5°	231.5	287.6	350.7	421.1	479.5	529.0	579.2	630.6	687.5	738.7	776.0
-7.5°	223.7	277.9	338.7	405.6	467.4	516.6	564.6	612.2	664.7	716.7	755.5
-10°	213.0	264.5	322.1	384.3	449.2	499.2	544.4	589.3	635.5	683.5	726.4
-12.5°	199.4	247.6	301.3	360.4	424.8	477.0	520.6	562.8	602.8	643.9	683.5
-15°	183.7	228.7	278.7	333.4	390.8	448.7	493.1	531.6	569.2	602.8	635.5
-17.5°	167.6	208.4	253.6	302.6	355.5	412.0	460.2	498.5	531.6	562.8	589.3
-20°	149.6	185.8	227.0	271.5	318.6	367.2	419.1	460.2	493.1	520.6	544.4



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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°	133.0	164.4	200.1	238.6	280.6	324.1	367.2	412.0	448.7	477.0	499.2
-25°	116.4	141.9	173.5	207.5	243.0	280.6	318.6	355.5	390.8	424.8	449.2
-27.5°	100.3	122.9	147.2	176.5	207.5	238.6	271.5	302.6	333.4	360.4	384.3
-30°	84.0	103.9	125.1	147.2	173.5	200.1	227.0	253.6	278.7	301.3	322.1
-32.5°	65.6	85.7	103.9	122.9	141.9	164.4	185.8	208.4	228.7	247.6	264.5
-35°	46.8	65.6	84.0	100.3	116.4	133.0	149.6	167.6	183.7	199.4	213.0
-37.5°	29.3	45.2	61.9	78.4	93.0	106.4	120.0	132.8	144.3	157.1	167.7
-40°	18.0	26.2	40.5	54.5	69.0	82.4	93.8	104.1	113.6	122.7	130.2
-42.5°	11.3	16.0	22.0	32.7	44.5	56.1	67.5	77.8	86.5	93.8	99.8
-45°	10.7	11.1	12.7	17.9	22.8	32.1	41.4	49.7	57.9	65.1	71.1
-47.5°	10.2	10.5	10.9	11.2	12.6	16.8	20.6	24.7	31.5	37.3	42.1
-50°	9.6	9.9	10.2	10.5	10.8	11.1	11.3	12.9	15.7	18.0	20.0
-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°	8.3	8.3	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.6
-60°	8.1	8.3	8.3	8.3	8.3	8.3	8.5	8.6	8.7	8.9	8.9
-62.5°	7.5	7.7	7.9	8.1	8.2	8.3	8.3	8.3	8.3	8.3	8.3
-65°	6.9	7.1	7.3	7.4	7.6	7.7	7.9	8.0	8.0	8.1	8.2
-67.5°	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
-70°	6.1	6.1	6.1	6.1	6.3	6.4	6.4	6.5	6.6	6.7	6.7
-72.5°	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-75°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.0
-77.5°	3.9	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-80°	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.8
-82.5°	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.9	3.0
-85°	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3
-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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7
77.5°	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.0	4.9
75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.9
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
70°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
67.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
65°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0
62.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
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°	21.5	22.6	23.3	23.5	23.3	22.6	21.5	20.0	18.0	15.7	12.9
47.5°	45.8	48.5	50.2	50.7	50.2	48.5	45.8	42.1	37.3	31.5	24.7
45°	75.7	79.1	81.1	81.8	81.1	79.1	75.7	71.1	65.1	57.9	49.7
42.5°	104.5	107.9	109.9	110.6	109.9	107.9	104.5	99.8	93.8	86.5	77.8
40°	136.2	140.4	143.0	143.9	143.0	140.4	136.2	130.2	122.7	113.6	104.1
37.5°	176.1	182.2	185.9	187.1	185.9	182.2	176.1	167.7	157.1	144.3	132.8
35°	223.7	231.5	236.2	237.8	236.2	231.5	223.7	213.0	199.4	183.7	167.6
32.5°	277.9	287.6	293.4	295.4	293.4	287.6	277.9	264.5	247.6	228.7	208.4
30°	338.7	350.7	358.0	360.5	358.0	350.7	338.7	322.1	301.3	278.7	253.6
27.5°	405.6	421.1	429.1	431.8	429.1	421.1	405.6	384.3	360.4	333.4	302.6
25°	467.4	479.5	486.8	489.3	486.8	479.5	467.4	449.2	424.8	390.8	355.5
22.5°	516.6	529.0	537.0	539.7	537.0	529.0	516.6	499.2	477.0	448.7	412.0
20°	564.6	579.2	587.9	590.8	587.9	579.2	564.6	544.4	520.6	493.1	460.2
17.5°	612.2	630.6	642.4	646.5	642.4	630.6	612.2	589.3	562.8	531.6	498.5
15°	664.7	687.5	701.8	706.7	701.8	687.5	664.7	635.5	602.8	569.2	531.6
12.5°	716.7	738.7	751.1	755.2	751.1	738.7	716.7	683.5	643.9	602.8	562.8
10°	755.5	776.0	789.2	793.8	789.2	776.0	755.5	726.4	683.5	635.5	589.3
7.5°	784.8	807.3	819.5	822.6	819.5	807.3	784.8	755.5	716.7	664.7	612.2
5°	807.3	825.9	826.7	824.9	826.7	825.9	807.3	776.0	738.7	687.5	630.6
2.5°	819.5	826.7	815.6	809.0	815.6	826.7	819.5	789.2	751.1	701.8	642.4
0°	822.6	824.9	809.0	806.7	809.0	824.9	822.6	793.8	755.2	706.7	646.5
-2.5°	819.5	826.7	815.6	809.0	815.6	826.7	819.5	789.2	751.1	701.8	642.4
-5°	807.3	825.9	826.7	824.9	826.7	825.9	807.3	776.0	738.7	687.5	630.6
-7.5°	784.8	807.3	819.5	822.6	819.5	807.3	784.8	755.5	716.7	664.7	612.2
-10°	755.5	776.0	789.2	793.8	789.2	776.0	755.5	726.4	683.5	635.5	589.3
-12.5°	716.7	738.7	751.1	755.2	751.1	738.7	716.7	683.5	643.9	602.8	562.8
-15°	664.7	687.5	701.8	706.7	701.8	687.5	664.7	635.5	602.8	569.2	531.6
-17.5°	612.2	630.6	642.4	646.5	642.4	630.6	612.2	589.3	562.8	531.6	498.5
-20°	564.6	579.2	587.9	590.8	587.9	579.2	564.6	544.4	520.6	493.1	460.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	516.6	529.0	537.0	539.7	537.0	529.0	516.6	499.2	477.0	448.7	412.0
-25°	467.4	479.5	486.8	489.3	486.8	479.5	467.4	449.2	424.8	390.8	355.5
-27.5°	405.6	421.1	429.1	431.8	429.1	421.1	405.6	384.3	360.4	333.4	302.6
-30°	338.7	350.7	358.0	360.5	358.0	350.7	338.7	322.1	301.3	278.7	253.6
-32.5°	277.9	287.6	293.4	295.4	293.4	287.6	277.9	264.5	247.6	228.7	208.4
-35°	223.7	231.5	236.2	237.8	236.2	231.5	223.7	213.0	199.4	183.7	167.6
-37.5°	176.1	182.2	185.9	187.1	185.9	182.2	176.1	167.7	157.1	144.3	132.8
-40°	136.2	140.4	143.0	143.9	143.0	140.4	136.2	130.2	122.7	113.6	104.1
-42.5°	104.5	107.9	109.9	110.6	109.9	107.9	104.5	99.8	93.8	86.5	77.8
-45°	75.7	79.1	81.1	81.8	81.1	79.1	75.7	71.1	65.1	57.9	49.7
-47.5°	45.8	48.5	50.2	50.7	50.2	48.5	45.8	42.1	37.3	31.5	24.7
-50°	21.5	22.6	23.3	23.5	23.3	22.6	21.5	20.0	18.0	15.7	12.9
-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°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
-65°	8.2	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0
-67.5°	7.5	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2
-70°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.5
-72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-75°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.9
-77.5°	5.2	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.0	4.9
-80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7
-82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-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: P220329 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED2790-W-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°	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4
82.5°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4
80°	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	3.0	2.9
77.5°	4.8	4.7	4.6	4.4	4.3	4.1	3.9	3.8	3.7	3.5	3.4
75°	5.8	5.7	5.6	5.5	5.4	5.3	5.1	4.9	4.7	4.4	4.1
72.5°	6.1	6.1	6.1	6.1	6.1	6.0	5.9	5.7	5.6	5.4	5.2
70°	6.4	6.4	6.3	6.1	6.1	6.1	6.1	6.1	6.1	6.0	5.8
67.5°	7.1	7.0	6.9	6.8	6.6	6.5	6.3	6.1	6.1	6.1	6.1
65°	7.9	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1
62.5°	8.3	8.3	8.2	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5
60°	8.5	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.6	7.3	7.0
57.5°	9.2	9.0	8.8	8.6	8.4	8.3	8.3	8.3	8.1	7.8	7.5
55°	9.8	9.7	9.5	9.3	9.0	8.8	8.5	8.3	8.3	8.3	8.0
52.5°	10.6	10.4	10.1	9.9	9.6	9.3	9.1	8.7	8.4	8.3	8.3
50°	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3
47.5°	20.6	16.8	12.6	11.2	10.9	10.5	10.2	9.8	9.4	9.1	8.6
45°	41.4	32.1	22.8	17.9	12.7	11.1	10.7	10.3	9.9	9.5	9.1
42.5°	67.5	56.1	44.5	32.7	22.0	16.0	11.3	10.9	10.4	9.9	9.5
40°	93.8	82.4	69.0	54.5	40.5	26.2	18.0	11.4	10.9	10.4	9.9
37.5°	120.0	106.4	93.0	78.4	61.9	45.2	29.3	18.7	11.4	10.9	10.3
35°	149.6	133.0	116.4	100.3	84.0	65.6	46.8	29.3	18.0	11.3	10.7
32.5°	185.8	164.4	141.9	122.9	103.9	85.7	65.6	45.2	26.2	16.0	11.1
30°	227.0	200.1	173.5	147.2	125.1	103.9	84.0	61.9	40.5	22.0	12.7
27.5°	271.5	238.6	207.5	176.5	147.2	122.9	100.3	78.4	54.5	32.7	17.9
25°	318.6	280.6	243.0	207.5	173.5	141.9	116.4	93.0	69.0	44.5	22.8
22.5°	367.2	324.1	280.6	238.6	200.1	164.4	133.0	106.4	82.4	56.1	32.1
20°	419.1	367.2	318.6	271.5	227.0	185.8	149.6	120.0	93.8	67.5	41.4
17.5°	460.2	412.0	355.5	302.6	253.6	208.4	167.6	132.8	104.1	77.8	49.7
15°	493.1	448.7	390.8	333.4	278.7	228.7	183.7	144.3	113.6	86.5	57.9
12.5°	520.6	477.0	424.8	360.4	301.3	247.6	199.4	157.1	122.7	93.8	65.1
10°	544.4	499.2	449.2	384.3	322.1	264.5	213.0	167.7	130.2	99.8	71.1
7.5°	564.6	516.6	467.4	405.6	338.7	277.9	223.7	176.1	136.2	104.5	75.7
5°	579.2	529.0	479.5	421.1	350.7	287.6	231.5	182.2	140.4	107.9	79.1
2.5°	587.9	537.0	486.8	429.1	358.0	293.4	236.2	185.9	143.0	109.9	81.1
0°	590.8	539.7	489.3	431.8	360.5	295.4	237.8	187.1	143.9	110.6	81.8
-2.5°	587.9	537.0	486.8	429.1	358.0	293.4	236.2	185.9	143.0	109.9	81.1
-5°	579.2	529.0	479.5	421.1	350.7	287.6	231.5	182.2	140.4	107.9	79.1
-7.5°	564.6	516.6	467.4	405.6	338.7	277.9	223.7	176.1	136.2	104.5	75.7
-10°	544.4	499.2	449.2	384.3	322.1	264.5	213.0	167.7	130.2	99.8	71.1
-12.5°	520.6	477.0	424.8	360.4	301.3	247.6	199.4	157.1	122.7	93.8	65.1
-15°	493.1	448.7	390.8	333.4	278.7	228.7	183.7	144.3	113.6	86.5	57.9
-17.5°	460.2	412.0	355.5	302.6	253.6	208.4	167.6	132.8	104.1	77.8	49.7
-20°	419.1	367.2	318.6	271.5	227.0	185.8	149.6	120.0	93.8	67.5	41.4



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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°	367.2	324.1	280.6	238.6	200.1	164.4	133.0	106.4	82.4	56.1	32.1
-25°	318.6	280.6	243.0	207.5	173.5	141.9	116.4	93.0	69.0	44.5	22.8
-27.5°	271.5	238.6	207.5	176.5	147.2	122.9	100.3	78.4	54.5	32.7	17.9
-30°	227.0	200.1	173.5	147.2	125.1	103.9	84.0	61.9	40.5	22.0	12.7
-32.5°	185.8	164.4	141.9	122.9	103.9	85.7	65.6	45.2	26.2	16.0	11.1
-35°	149.6	133.0	116.4	100.3	84.0	65.6	46.8	29.3	18.0	11.3	10.7
-37.5°	120.0	106.4	93.0	78.4	61.9	45.2	29.3	18.7	11.4	10.9	10.3
-40°	93.8	82.4	69.0	54.5	40.5	26.2	18.0	11.4	10.9	10.4	9.9
-42.5°	67.5	56.1	44.5	32.7	22.0	16.0	11.3	10.9	10.4	9.9	9.5
-45°	41.4	32.1	22.8	17.9	12.7	11.1	10.7	10.3	9.9	9.5	9.1
-47.5°	20.6	16.8	12.6	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	8.3
-52.5°	10.6	10.4	10.1	9.9	9.6	9.3	9.1	8.7	8.4	8.3	8.3
-55°	9.8	9.7	9.5	9.3	9.0	8.8	8.5	8.3	8.3	8.3	8.0
-57.5°	9.2	9.0	8.8	8.6	8.4	8.3	8.3	8.3	8.1	7.8	7.5
-60°	8.5	8.3	8.3	8.3	8.3	8.3	8.1	7.8	7.6	7.3	7.0
-62.5°	8.3	8.3	8.2	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.5
-65°	7.9	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.1
-67.5°	7.1	7.0	6.9	6.8	6.6	6.5	6.3	6.1	6.1	6.1	6.1
-70°	6.4	6.4	6.3	6.1	6.1	6.1	6.1	6.1	6.1	6.0	5.8
-72.5°	6.1	6.1	6.1	6.1	6.1	6.0	5.9	5.7	5.6	5.4	5.2
-75°	5.8	5.7	5.6	5.5	5.4	5.3	5.1	4.9	4.7	4.4	4.1
-77.5°	4.8	4.7	4.6	4.4	4.3	4.1	3.9	3.8	3.7	3.5	3.4
-80°	3.6	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	3.0	2.9
-82.5°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4
-85°	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.4
-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°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.5
82.5°	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.8	0.7
80°	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.8	1.6	1.3	1.1
77.5°	3.3	3.2	3.0	2.9	2.8	2.6	2.5	2.4	2.2	1.8	1.5
75°	3.8	3.7	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.0
72.5°	4.8	4.5	4.1	3.8	3.6	3.4	3.2	2.9	2.8	2.6	2.4
70°	5.6	5.4	5.0	4.6	4.2	3.8	3.5	3.3	3.0	2.8	2.6
67.5°	6.1	5.9	5.6	5.4	4.9	4.4	3.9	3.6	3.3	3.0	2.8
65°	6.1	6.1	6.1	5.8	5.5	5.1	4.6	4.0	3.6	3.3	2.9
62.5°	6.3	6.1	6.1	6.1	5.9	5.6	5.2	4.6	3.9	3.5	3.2
60°	6.7	6.4	6.2	6.1	6.1	5.9	5.6	5.1	4.4	3.8	3.4
57.5°	7.2	6.9	6.5	6.2	6.1	6.1	5.9	5.5	4.9	4.2	3.6
55°	7.7	7.3	6.9	6.6	6.2	6.1	6.1	5.8	5.4	4.6	3.8
52.5°	8.1	7.7	7.4	6.9	6.5	6.2	6.1	6.1	5.6	5.0	4.1
50°	8.3	8.1	7.7	7.3	6.9	6.4	6.1	6.1	5.9	5.4	4.5
47.5°	8.3	8.3	8.1	7.7	7.2	6.7	6.3	6.1	6.1	5.6	4.8
45°	8.6	8.3	8.3	8.0	7.5	7.0	6.5	6.1	6.1	5.8	5.2
42.5°	9.1	8.6	8.3	8.3	7.8	7.3	6.8	6.3	6.1	6.0	5.4
40°	9.4	8.9	8.4	8.3	8.1	7.6	7.0	6.5	6.1	6.1	5.6
37.5°	9.8	9.3	8.7	8.3	8.3	7.8	7.3	6.7	6.1	6.1	5.7
35°	10.2	9.6	9.1	8.5	8.3	8.1	7.5	6.9	6.3	6.1	5.9
32.5°	10.5	9.9	9.3	8.8	8.3	8.3	7.7	7.1	6.5	6.1	6.0
30°	10.9	10.2	9.6	9.0	8.4	8.3	7.9	7.3	6.6	6.1	6.1
27.5°	11.2	10.5	9.9	9.3	8.6	8.3	8.1	7.4	6.8	6.1	6.1
25°	12.6	10.8	10.1	9.5	8.8	8.3	8.2	7.6	6.9	6.3	6.1
22.5°	16.8	11.1	10.4	9.7	9.0	8.3	8.3	7.7	7.0	6.4	6.1
20°	20.6	11.3	10.6	9.8	9.2	8.5	8.3	7.9	7.1	6.4	6.1
17.5°	24.7	12.9	10.8	10.0	9.3	8.6	8.3	8.0	7.2	6.5	6.1
15°	31.5	15.7	10.9	10.2	9.5	8.7	8.3	8.0	7.3	6.6	6.1
12.5°	37.3	18.0	11.1	10.3	9.6	8.9	8.3	8.1	7.4	6.7	6.1
10°	42.1	20.0	11.2	10.4	9.6	8.9	8.3	8.2	7.5	6.7	6.1
7.5°	45.8	21.5	11.3	10.5	9.7	9.0	8.3	8.2	7.5	6.8	6.1
5°	48.5	22.6	11.3	10.6	9.8	9.1	8.3	8.3	7.6	6.8	6.1
2.5°	50.2	23.3	11.4	10.6	9.8	9.1	8.3	8.3	7.6	6.8	6.1
0°	50.7	23.5	11.4	10.6	9.8	9.1	8.3	8.3	7.6	6.8	6.1
-2.5°	50.2	23.3	11.4	10.6	9.8	9.1	8.3	8.3	7.6	6.8	6.1
-5°	48.5	22.6	11.3	10.6	9.8	9.1	8.3	8.3	7.6	6.8	6.1
-7.5°	45.8	21.5	11.3	10.5	9.7	9.0	8.3	8.2	7.5	6.8	6.1
-10°	42.1	20.0	11.2	10.4	9.6	8.9	8.3	8.2	7.5	6.7	6.1
-12.5°	37.3	18.0	11.1	10.3	9.6	8.9	8.3	8.1	7.4	6.7	6.1
-15°	31.5	15.7	10.9	10.2	9.5	8.7	8.3	8.0	7.3	6.6	6.1
-17.5°	24.7	12.9	10.8	10.0	9.3	8.6	8.3	8.0	7.2	6.5	6.1
-20°	20.6	11.3	10.6	9.8	9.2	8.5	8.3	7.9	7.1	6.4	6.1



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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°	16.8	11.1	10.4	9.7	9.0	8.3	8.3	7.7	7.0	6.4	6.1
-25°	12.6	10.8	10.1	9.5	8.8	8.3	8.2	7.6	6.9	6.3	6.1
-27.5°	11.2	10.5	9.9	9.3	8.6	8.3	8.1	7.4	6.8	6.1	6.1
-30°	10.9	10.2	9.6	9.0	8.4	8.3	7.9	7.3	6.6	6.1	6.1
-32.5°	10.5	9.9	9.3	8.8	8.3	8.3	7.7	7.1	6.5	6.1	6.0
-35°	10.2	9.6	9.1	8.5	8.3	8.1	7.5	6.9	6.3	6.1	5.9
-37.5°	9.8	9.3	8.7	8.3	8.3	7.8	7.3	6.7	6.1	6.1	5.7
-40°	9.4	8.9	8.4	8.3	8.1	7.6	7.0	6.5	6.1	6.1	5.6
-42.5°	9.1	8.6	8.3	8.3	7.8	7.3	6.8	6.3	6.1	6.0	5.4
-45°	8.6	8.3	8.3	8.0	7.5	7.0	6.5	6.1	6.1	5.8	5.2
-47.5°	8.3	8.3	8.1	7.7	7.2	6.7	6.3	6.1	6.1	5.6	4.8
-50°	8.3	8.1	7.7	7.3	6.9	6.4	6.1	6.1	5.9	5.4	4.5
-52.5°	8.1	7.7	7.4	6.9	6.5	6.2	6.1	6.1	5.6	5.0	4.1
-55°	7.7	7.3	6.9	6.6	6.2	6.1	6.1	5.8	5.4	4.6	3.8
-57.5°	7.2	6.9	6.5	6.2	6.1	6.1	5.9	5.5	4.9	4.2	3.6
-60°	6.7	6.4	6.2	6.1	6.1	5.9	5.6	5.1	4.4	3.8	3.4
-62.5°	6.3	6.1	6.1	6.1	5.9	5.6	5.2	4.6	3.9	3.5	3.2
-65°	6.1	6.1	6.1	5.8	5.5	5.1	4.6	4.0	3.6	3.3	2.9
-67.5°	6.1	5.9	5.6	5.4	4.9	4.4	3.9	3.6	3.3	3.0	2.8
-70°	5.6	5.4	5.0	4.6	4.2	3.8	3.5	3.3	3.0	2.8	2.6
-72.5°	4.8	4.5	4.1	3.8	3.6	3.4	3.2	2.9	2.8	2.6	2.4
-75°	3.8	3.7	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.0
-77.5°	3.3	3.2	3.0	2.9	2.8	2.6	2.5	2.4	2.2	1.8	1.5
-80°	2.8	2.7	2.6	2.5	2.4	2.3	2.1	1.8	1.6	1.3	1.1
-82.5°	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.8	0.7
-85°	1.3	1.2	1.1	1.0	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°	1.2	0.9	0.7	0.5	0.3	0.2	0.0
75°	1.6	1.2	0.8	0.6	0.4	0.2	0.0
72.5°	2.0	1.5	1.1	0.7	0.5	0.2	0.0
70°	2.3	1.8	1.3	0.8	0.5	0.3	0.0
67.5°	2.5	2.2	1.6	1.0	0.6	0.3	0.0
65°	2.7	2.4	1.8	1.2	0.7	0.3	0.0
62.5°	2.8	2.5	2.1	1.4	0.7	0.4	0.0
60°	3.0	2.6	2.3	1.5	0.8	0.4	0.0
57.5°	3.2	2.8	2.4	1.7	0.9	0.4	0.0
55°	3.3	2.9	2.5	1.9	1.0	0.5	0.0
52.5°	3.5	3.0	2.6	2.0	1.1	0.5	0.0
50°	3.7	3.2	2.7	2.2	1.2	0.5	0.0
47.5°	3.8	3.3	2.8	2.3	1.3	0.5	0.0
45°	4.1	3.4	2.9	2.4	1.4	0.6	0.0
42.5°	4.4	3.5	3.0	2.4	1.5	0.6	0.0
40°	4.7	3.7	3.0	2.5	1.6	0.6	0.0
37.5°	4.9	3.8	3.1	2.6	1.7	0.6	0.0
35°	5.1	3.9	3.2	2.6	1.8	0.7	0.0
32.5°	5.3	4.1	3.3	2.7	1.8	0.7	0.0
30°	5.4	4.3	3.4	2.7	1.9	0.7	0.0
27.5°	5.5	4.4	3.4	2.8	2.0	0.7	0.0
25°	5.6	4.6	3.5	2.8	2.0	0.7	0.0
22.5°	5.7	4.7	3.6	2.8	2.1	0.7	0.0
20°	5.8	4.8	3.6	2.9	2.1	0.8	0.0
17.5°	5.9	4.9	3.7	2.9	2.2	0.8	0.0
15°	5.9	5.0	3.7	2.9	2.2	0.8	0.0
12.5°	6.0	5.1	3.7	2.9	2.2	0.8	0.0
10°	6.0	5.2	3.8	3.0	2.3	0.8	0.0
7.5°	6.1	5.2	3.8	3.0	2.3	0.8	0.0
5°	6.1	5.3	3.8	3.0	2.3	0.8	0.0
2.5°	6.1	5.3	3.8	3.0	2.3	0.8	0.0
0°	6.1	5.3	3.8	3.0	2.3	0.8	0.0
-2.5°	6.1	5.3	3.8	3.0	2.3	0.8	0.0
-5°	6.1	5.3	3.8	3.0	2.3	0.8	0.0
-7.5°	6.1	5.2	3.8	3.0	2.3	0.8	0.0
-10°	6.0	5.2	3.8	3.0	2.3	0.8	0.0
-12.5°	6.0	5.1	3.7	2.9	2.2	0.8	0.0
-15°	5.9	5.0	3.7	2.9	2.2	0.8	0.0
-17.5°	5.9	4.9	3.7	2.9	2.2	0.8	0.0
-20°	5.8	4.8	3.6	2.9	2.1	0.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	5.7	4.7	3.6	2.8	2.1	0.7	0.0
-25°	5.6	4.6	3.5	2.8	2.0	0.7	0.0
-27.5°	5.5	4.4	3.4	2.8	2.0	0.7	0.0
-30°	5.4	4.3	3.4	2.7	1.9	0.7	0.0
-32.5°	5.3	4.1	3.3	2.7	1.8	0.7	0.0
-35°	5.1	3.9	3.2	2.6	1.8	0.7	0.0
-37.5°	4.9	3.8	3.1	2.6	1.7	0.6	0.0
-40°	4.7	3.7	3.0	2.5	1.6	0.6	0.0
-42.5°	4.4	3.5	3.0	2.4	1.5	0.6	0.0
-45°	4.1	3.4	2.9	2.4	1.4	0.6	0.0
-47.5°	3.8	3.3	2.8	2.3	1.3	0.5	0.0
-50°	3.7	3.2	2.7	2.2	1.2	0.5	0.0
-52.5°	3.5	3.0	2.6	2.0	1.1	0.5	0.0
-55°	3.3	2.9	2.5	1.9	1.0	0.5	0.0
-57.5°	3.2	2.8	2.4	1.7	0.9	0.4	0.0
-60°	3.0	2.6	2.3	1.5	0.8	0.4	0.0
-62.5°	2.8	2.5	2.1	1.4	0.7	0.4	0.0
-65°	2.7	2.4	1.8	1.2	0.7	0.3	0.0
-67.5°	2.5	2.2	1.6	1.0	0.6	0.3	0.0
-70°	2.3	1.8	1.3	0.8	0.5	0.3	0.0
-72.5°	2.0	1.5	1.1	0.7	0.5	0.2	0.0
-75°	1.6	1.2	0.8	0.6	0.4	0.2	0.0
-77.5°	1.2	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)