

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: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

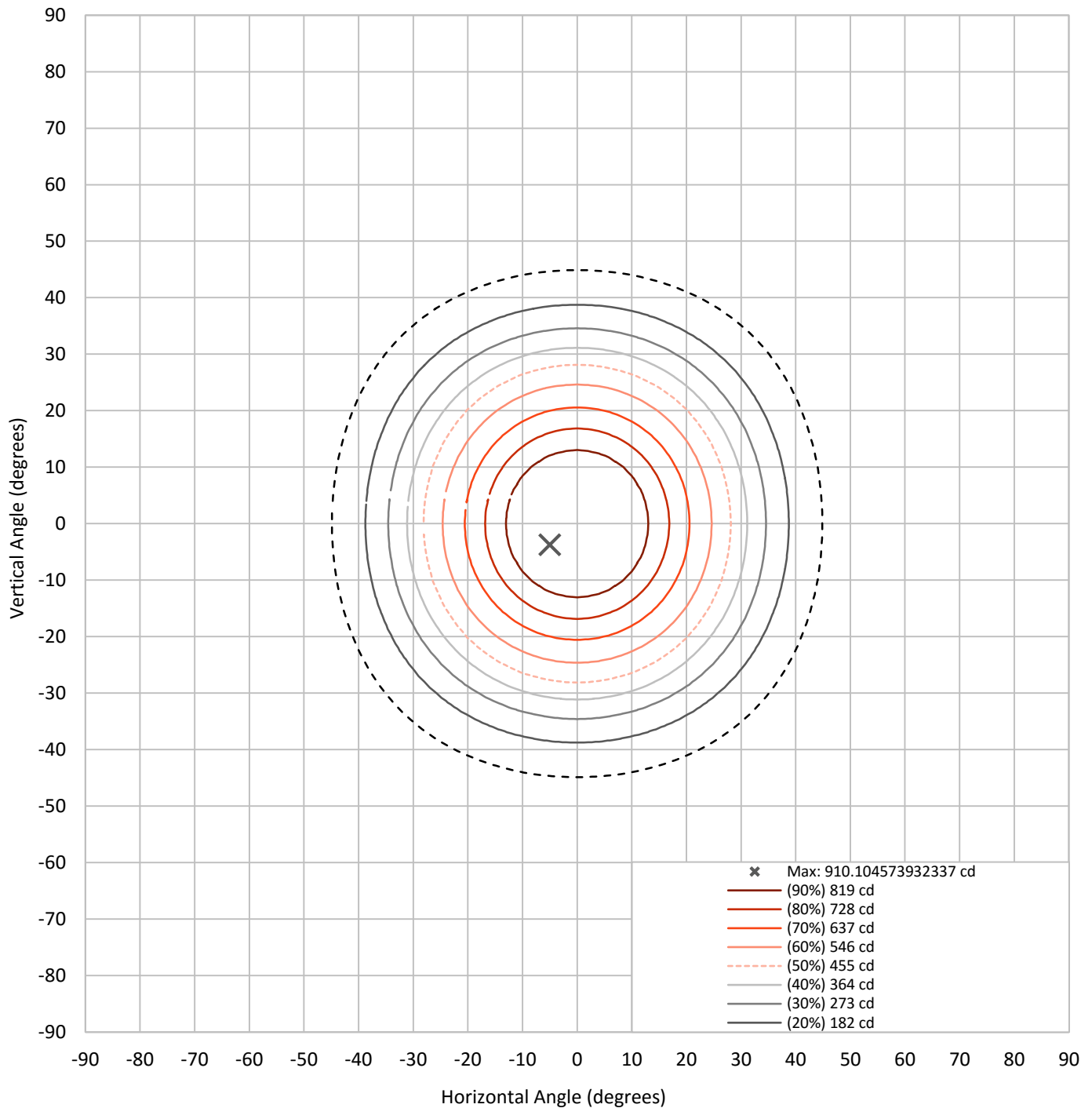
Test Method: LM-79-08
Report Number: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	805.9 lumens	Max Intensity:	910.1 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	80.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.8°H x 55.5°V	Field Angle (10%):	89.6°H x 89.4°V
Beam Lumens:	500.8 lumens	Field Lumens:	753.2 lumens
Beam Efficiency:	62.1%	Field Efficiency:	93.5%
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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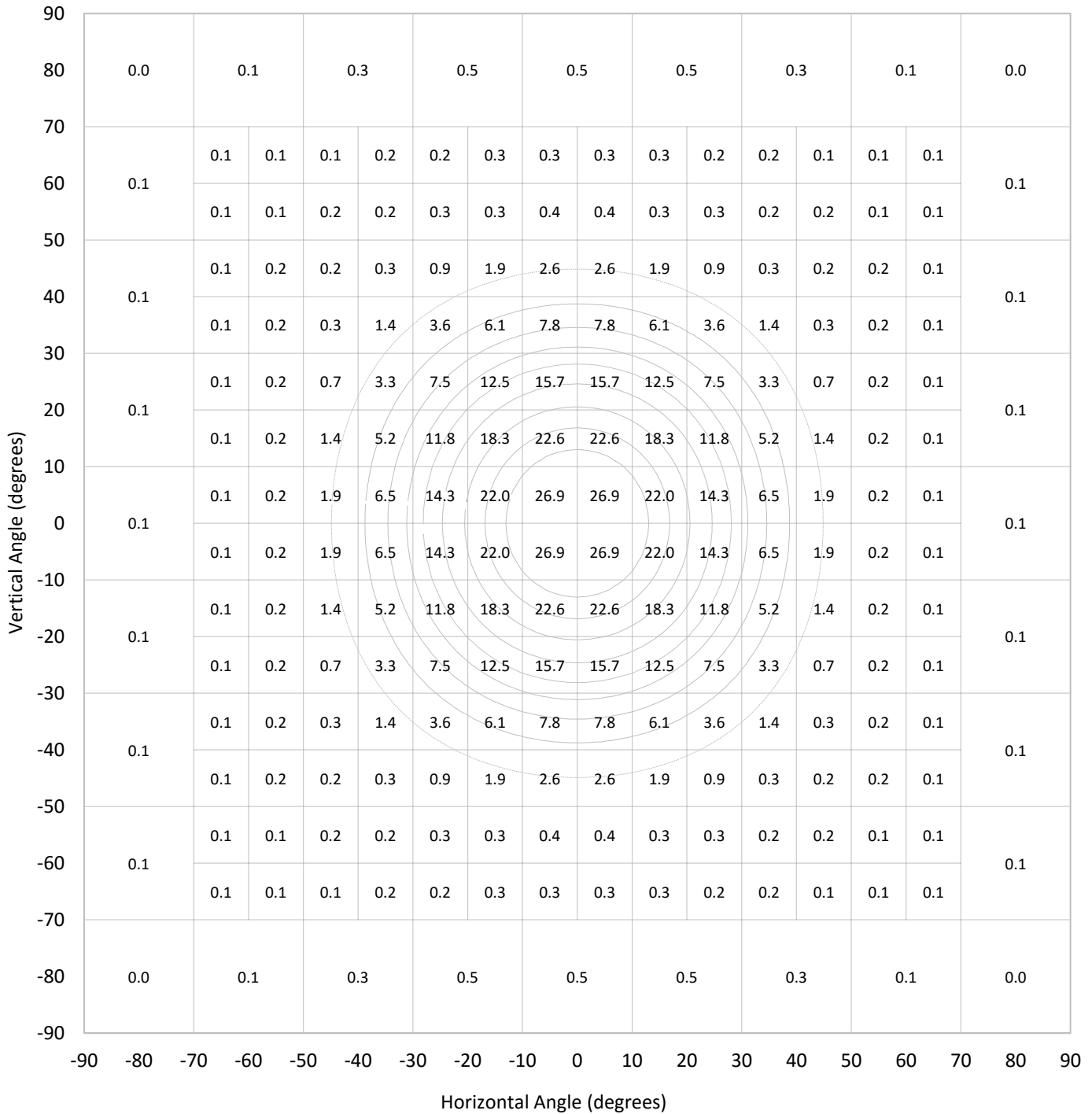
Iso-Candela Plot





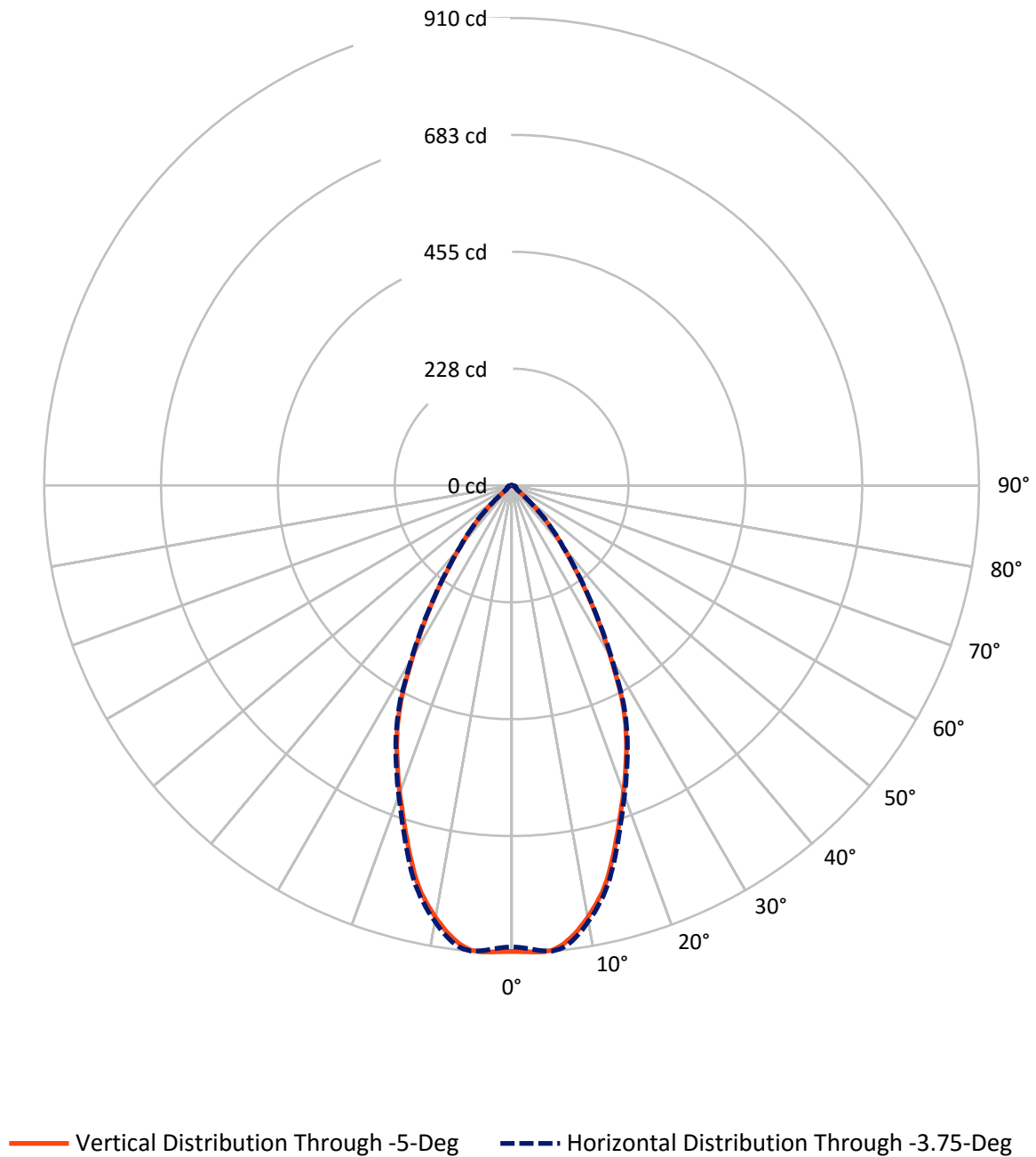
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Lumen Table



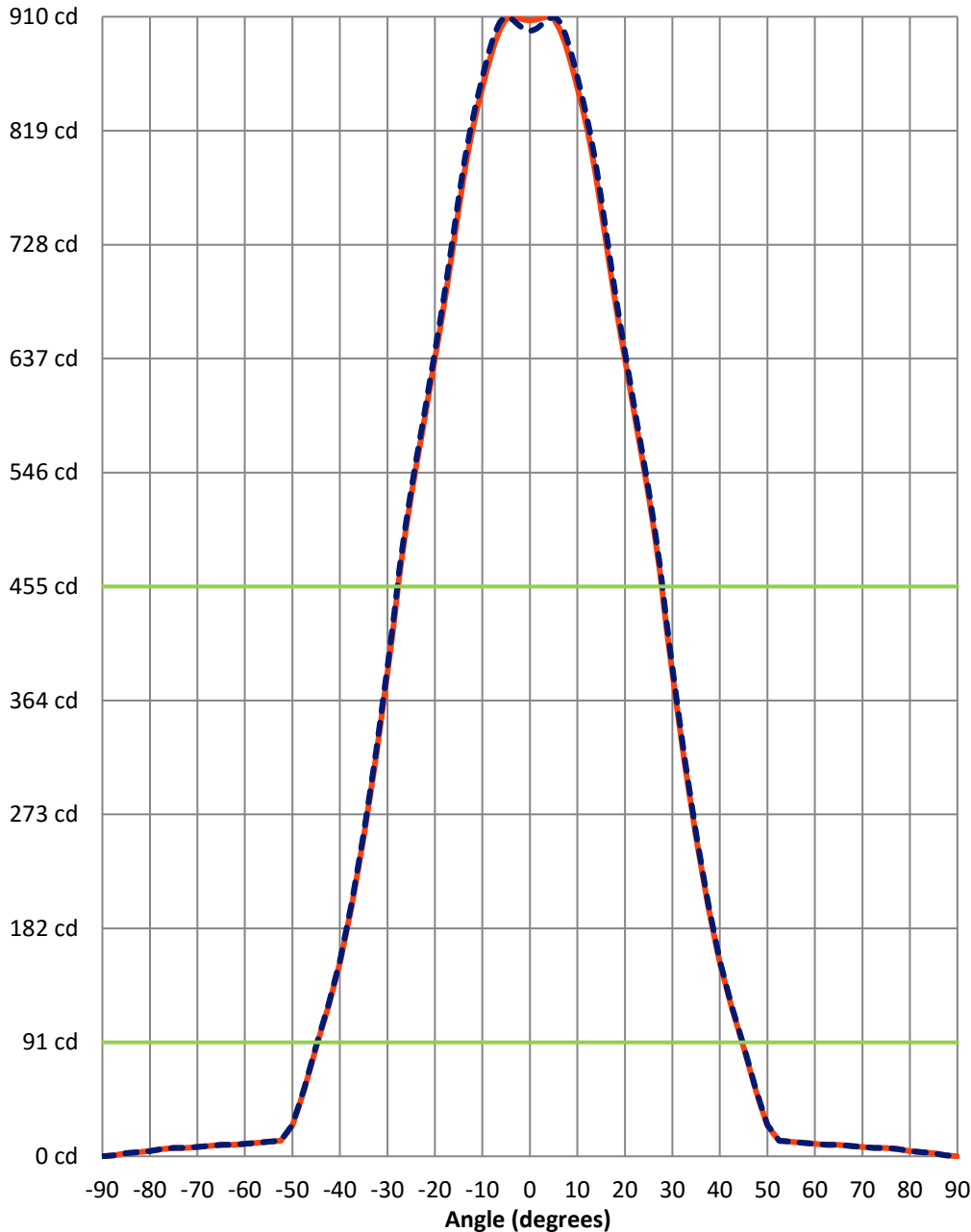
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 55.8°
 V Angle: 55.5°
 Lumens: 500.8
 Efficiency: 62.1%

Field:
 H Angle: 89.6°
 V Angle: 89.4°
 Lumens: 753.2
 Efficiency: 93.5%

Spill:
 Lumens: 52.7
 Efficiency: 6.5%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -3.75-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	1.3
73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.5
72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.1	1.4	1.6
71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	1.0	1.3	1.5	1.8
70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.1	1.4	1.7	2.0
68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.2	1.6	1.9	2.2
67.5°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.4	1.7	2.0	2.3
66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.1	1.5	1.8	2.2	2.5
65°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	2.0	2.3	2.6
63.75°	0.0	0.2	0.4	0.5	0.7	1.0	1.4	1.7	2.1	2.5	2.7
62.5°	0.0	0.2	0.4	0.6	0.7	1.1	1.4	1.8	2.2	2.6	2.7
61.25°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	2.0	2.4	2.6	2.8
60°	0.0	0.2	0.4	0.6	0.8	1.2	1.6	2.1	2.5	2.7	2.9
58.75°	0.0	0.2	0.4	0.6	0.9	1.3	1.7	2.2	2.6	2.8	3.0
57.5°	0.0	0.2	0.4	0.6	0.9	1.4	1.8	2.3	2.6	2.8	3.0
56.25°	0.0	0.2	0.4	0.7	1.0	1.5	1.9	2.4	2.7	2.9	3.1
55°	0.0	0.2	0.5	0.7	1.0	1.5	2.0	2.5	2.7	3.0	3.2
53.75°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.6	2.8	3.0	3.3
52.5°	0.0	0.2	0.5	0.7	1.2	1.7	2.2	2.6	2.8	3.1	3.3
51.25°	0.0	0.3	0.5	0.8	1.2	1.8	2.3	2.6	2.9	3.1	3.4
50°	0.0	0.3	0.5	0.8	1.3	1.8	2.4	2.7	3.0	3.2	3.5
48.75°	0.0	0.3	0.5	0.8	1.3	1.9	2.5	2.7	3.0	3.3	3.6
47.5°	0.0	0.3	0.5	0.8	1.4	2.0	2.5	2.8	3.1	3.3	3.6
46.25°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	2.8	3.1	3.4	3.7
45°	0.0	0.3	0.6	0.9	1.5	2.1	2.6	2.9	3.2	3.5	3.8
43.75°	0.0	0.3	0.6	0.9	1.6	2.2	2.6	2.9	3.2	3.5	3.8
42.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.7	3.0	3.3	3.6	3.9
41.25°	0.0	0.3	0.6	1.0	1.7	2.3	2.7	3.0	3.3	3.6	4.0
40°	0.0	0.3	0.6	1.1	1.7	2.4	2.7	3.0	3.4	3.7	4.0
38.75°	0.0	0.3	0.6	1.1	1.8	2.4	2.8	3.1	3.4	3.8	4.1
37.5°	0.0	0.3	0.6	1.1	1.8	2.5	2.8	3.1	3.5	3.8	4.2
36.25°	0.0	0.3	0.6	1.2	1.8	2.5	2.8	3.2	3.5	3.9	4.2
35°	0.0	0.3	0.7	1.2	1.9	2.5	2.9	3.2	3.5	3.9	4.3



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.2	1.9	2.6	2.9	3.2	3.6	4.0	4.4
32.5°	0.0	0.3	0.7	1.3	2.0	2.6	2.9	3.3	3.6	4.0	4.5
31.25°	0.0	0.3	0.7	1.3	2.0	2.6	3.0	3.3	3.7	4.1	4.6
30°	0.0	0.3	0.7	1.3	2.0	2.6	3.0	3.3	3.7	4.1	4.7
28.75°	0.0	0.4	0.7	1.3	2.1	2.7	3.0	3.4	3.8	4.1	4.8
27.5°	0.0	0.4	0.7	1.4	2.1	2.7	3.0	3.4	3.8	4.2	4.9
26.25°	0.0	0.4	0.7	1.4	2.1	2.7	3.1	3.4	3.8	4.2	5.0
25°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.3	5.0
23.75°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.4	5.1
22.5°	0.0	0.4	0.7	1.5	2.2	2.7	3.1	3.5	3.9	4.4	5.2
21.25°	0.0	0.4	0.7	1.5	2.3	2.8	3.1	3.5	4.0	4.5	5.2
20°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.6	5.3
18.75°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.6	5.4
17.5°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.7	5.4
16.25°	0.0	0.4	0.8	1.5	2.4	2.8	3.2	3.6	4.1	4.7	5.5
15°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.1	4.8	5.5
13.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.7	4.1	4.8	5.6
12.5°	0.0	0.4	0.8	1.6	2.4	2.9	3.2	3.7	4.1	4.8	5.6
11.25°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.9	5.6
10°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.9	5.7
8.75°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	4.9	5.7
7.5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	4.9	5.7
6.25°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
3.75°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
2.5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
1.25°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
0°	0.0	0.4	0.8	1.7	2.5	2.9	3.3	3.8	4.2	5.0	5.8
-1.25°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
-2.5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
-3.75°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
-5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
-6.25°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	5.0	5.8
-7.5°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	4.9	5.7
-8.75°	0.0	0.4	0.8	1.6	2.5	2.9	3.3	3.7	4.2	4.9	5.7
-10°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.9	5.7
-11.25°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.9	5.6
-12.5°	0.0	0.4	0.8	1.6	2.4	2.9	3.2	3.7	4.1	4.8	5.6
-13.75°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.7	4.1	4.8	5.6
-15°	0.0	0.4	0.8	1.6	2.4	2.8	3.2	3.6	4.1	4.8	5.5
-16.25°	0.0	0.4	0.8	1.5	2.4	2.8	3.2	3.6	4.1	4.7	5.5
-17.5°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.7	5.4
-18.75°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.6	5.4
-20°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.6	5.3
-21.25°	0.0	0.4	0.7	1.5	2.3	2.8	3.1	3.5	4.0	4.5	5.2



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.4	0.7	1.5	2.2	2.7	3.1	3.5	3.9	4.4	5.2
-23.75°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.4	5.1
-25°	0.0	0.4	0.7	1.4	2.2	2.7	3.1	3.5	3.9	4.3	5.0
-26.25°	0.0	0.4	0.7	1.4	2.1	2.7	3.1	3.4	3.8	4.2	5.0
-27.5°	0.0	0.4	0.7	1.4	2.1	2.7	3.0	3.4	3.8	4.2	4.9
-28.75°	0.0	0.4	0.7	1.3	2.1	2.7	3.0	3.4	3.8	4.1	4.8
-30°	0.0	0.3	0.7	1.3	2.0	2.6	3.0	3.3	3.7	4.1	4.7
-31.25°	0.0	0.3	0.7	1.3	2.0	2.6	3.0	3.3	3.7	4.1	4.6
-32.5°	0.0	0.3	0.7	1.3	2.0	2.6	2.9	3.3	3.6	4.0	4.5
-33.75°	0.0	0.3	0.7	1.2	1.9	2.6	2.9	3.2	3.6	4.0	4.4
-35°	0.0	0.3	0.7	1.2	1.9	2.5	2.9	3.2	3.5	3.9	4.3
-36.25°	0.0	0.3	0.6	1.2	1.8	2.5	2.8	3.2	3.5	3.9	4.2
-37.5°	0.0	0.3	0.6	1.1	1.8	2.5	2.8	3.1	3.5	3.8	4.2
-38.75°	0.0	0.3	0.6	1.1	1.8	2.4	2.8	3.1	3.4	3.8	4.1
-40°	0.0	0.3	0.6	1.1	1.7	2.4	2.7	3.0	3.4	3.7	4.0
-41.25°	0.0	0.3	0.6	1.0	1.7	2.3	2.7	3.0	3.3	3.6	4.0
-42.5°	0.0	0.3	0.6	1.0	1.6	2.2	2.7	3.0	3.3	3.6	3.9
-43.75°	0.0	0.3	0.6	0.9	1.6	2.2	2.6	2.9	3.2	3.5	3.8
-45°	0.0	0.3	0.6	0.9	1.5	2.1	2.6	2.9	3.2	3.5	3.8
-46.25°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	2.8	3.1	3.4	3.7
-47.5°	0.0	0.3	0.5	0.8	1.4	2.0	2.5	2.8	3.1	3.3	3.6
-48.75°	0.0	0.3	0.5	0.8	1.3	1.9	2.5	2.7	3.0	3.3	3.6
-50°	0.0	0.3	0.5	0.8	1.3	1.8	2.4	2.7	3.0	3.2	3.5
-51.25°	0.0	0.3	0.5	0.8	1.2	1.8	2.3	2.6	2.9	3.1	3.4
-52.5°	0.0	0.2	0.5	0.7	1.2	1.7	2.2	2.6	2.8	3.1	3.3
-53.75°	0.0	0.2	0.5	0.7	1.1	1.6	2.1	2.6	2.8	3.0	3.3
-55°	0.0	0.2	0.5	0.7	1.0	1.5	2.0	2.5	2.7	3.0	3.2
-56.25°	0.0	0.2	0.4	0.7	1.0	1.5	1.9	2.4	2.7	2.9	3.1
-57.5°	0.0	0.2	0.4	0.6	0.9	1.4	1.8	2.3	2.6	2.8	3.0
-58.75°	0.0	0.2	0.4	0.6	0.9	1.3	1.7	2.2	2.6	2.8	3.0
-60°	0.0	0.2	0.4	0.6	0.8	1.2	1.6	2.1	2.5	2.7	2.9
-61.25°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	2.0	2.4	2.6	2.8
-62.5°	0.0	0.2	0.4	0.6	0.7	1.1	1.4	1.8	2.2	2.6	2.7
-63.75°	0.0	0.2	0.4	0.5	0.7	1.0	1.4	1.7	2.1	2.5	2.7
-65°	0.0	0.2	0.3	0.5	0.7	0.9	1.3	1.6	2.0	2.3	2.6
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.1	1.5	1.8	2.2	2.5
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.4	1.7	2.0	2.3
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.2	1.6	1.9	2.2
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.1	1.4	1.7	2.0
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	1.0	1.3	1.5	1.8
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.1	1.4	1.6
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.2	1.5
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.1	1.3
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
-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: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.4
81.25°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7
80°	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	2.0	2.1
78.75°	0.9	1.1	1.2	1.4	1.5	1.7	1.9	2.0	2.2	2.3	2.5
77.5°	1.1	1.3	1.5	1.6	1.8	2.0	2.2	2.3	2.5	2.6	2.7
76.25°	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.6	2.7	2.7	2.8
75°	1.5	1.7	1.9	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0
73.75°	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2
72.5°	1.9	2.1	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4
71.25°	2.1	2.3	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5
70°	2.3	2.5	2.7	2.8	2.9	3.0	3.2	3.3	3.5	3.6	3.7
68.75°	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9
67.5°	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	4.0	4.1
66.25°	2.7	2.8	3.0	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.4
65°	2.7	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.1	4.4	4.7
63.75°	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.4	4.7	5.0
62.5°	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.7	5.0	5.3
61.25°	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.6	4.9	5.3	5.7
60°	3.1	3.3	3.5	3.7	3.9	4.1	4.5	4.9	5.2	5.6	5.9
58.75°	3.2	3.4	3.6	3.8	4.1	4.3	4.7	5.1	5.5	5.9	6.1
57.5°	3.2	3.5	3.7	3.9	4.2	4.6	5.0	5.4	5.8	6.0	6.2
56.25°	3.3	3.6	3.8	4.1	4.4	4.8	5.2	5.7	6.0	6.2	6.4
55°	3.4	3.7	3.9	4.2	4.6	5.0	5.5	5.9	6.1	6.4	6.6
53.75°	3.5	3.8	4.0	4.4	4.8	5.3	5.7	6.0	6.3	6.5	6.7
52.5°	3.6	3.9	4.1	4.6	5.0	5.5	5.9	6.1	6.4	6.7	6.7
51.25°	3.7	4.0	4.3	4.7	5.2	5.7	6.0	6.3	6.6	6.7	6.7
50°	3.8	4.0	4.4	4.9	5.4	5.9	6.1	6.4	6.7	6.7	6.7
48.75°	3.8	4.1	4.6	5.1	5.6	6.0	6.3	6.6	6.7	6.7	6.7
47.5°	3.9	4.2	4.8	5.3	5.8	6.1	6.4	6.7	6.7	6.7	6.7
46.25°	4.0	4.4	4.9	5.5	5.9	6.2	6.5	6.7	6.7	6.7	6.8
45°	4.1	4.5	5.1	5.7	6.0	6.3	6.6	6.7	6.7	6.7	6.9
43.75°	4.2	4.7	5.3	5.8	6.1	6.4	6.7	6.7	6.7	6.8	7.1
42.5°	4.3	4.8	5.4	5.9	6.2	6.6	6.7	6.7	6.7	6.9	7.2
41.25°	4.4	5.0	5.6	6.0	6.3	6.7	6.7	6.7	6.7	7.0	7.3
40°	4.5	5.1	5.7	6.1	6.4	6.7	6.7	6.7	6.9	7.1	7.4
38.75°	4.6	5.3	5.8	6.2	6.5	6.7	6.7	6.7	7.0	7.3	7.6
37.5°	4.8	5.4	5.9	6.3	6.6	6.7	6.7	6.8	7.1	7.4	7.7
36.25°	4.9	5.5	6.0	6.4	6.7	6.7	6.7	6.9	7.2	7.5	7.8
35°	5.0	5.6	6.1	6.4	6.7	6.7	6.7	6.9	7.3	7.6	7.9



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	5.1	5.8	6.1	6.5	6.7	6.7	6.7	7.0	7.4	7.7	8.0
32.5°	5.2	5.8	6.2	6.6	6.7	6.7	6.8	7.1	7.5	7.8	8.1
31.25°	5.3	5.9	6.3	6.7	6.7	6.7	6.9	7.2	7.5	7.9	8.2
30°	5.4	6.0	6.3	6.7	6.7	6.7	7.0	7.3	7.6	8.0	8.3
28.75°	5.5	6.0	6.4	6.7	6.7	6.7	7.0	7.4	7.7	8.1	8.4
27.5°	5.6	6.1	6.5	6.7	6.7	6.8	7.1	7.4	7.8	8.1	8.5
26.25°	5.7	6.1	6.5	6.7	6.7	6.8	7.2	7.5	7.9	8.2	8.6
25°	5.8	6.2	6.6	6.7	6.7	6.9	7.2	7.6	8.0	8.3	8.7
23.75°	5.8	6.2	6.6	6.7	6.7	6.9	7.3	7.7	8.0	8.4	8.8
22.5°	5.9	6.3	6.7	6.7	6.7	7.0	7.4	7.7	8.1	8.5	8.9
21.25°	5.9	6.3	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.0
20°	5.9	6.4	6.7	6.7	6.7	7.1	7.5	7.8	8.2	8.6	9.0
18.75°	6.0	6.4	6.7	6.7	6.8	7.1	7.5	7.9	8.3	8.7	9.1
17.5°	6.0	6.4	6.7	6.7	6.8	7.2	7.6	7.9	8.3	8.8	9.2
16.25°	6.0	6.5	6.7	6.7	6.9	7.2	7.6	8.0	8.4	8.8	9.2
15°	6.1	6.5	6.7	6.7	6.9	7.3	7.7	8.0	8.4	8.9	9.2
13.75°	6.1	6.5	6.7	6.7	6.9	7.3	7.7	8.1	8.5	8.9	9.2
12.5°	6.1	6.6	6.7	6.7	7.0	7.3	7.7	8.1	8.5	9.0	9.2
11.25°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.0	9.2
10°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.2
8.75°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.2
7.5°	6.2	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.7	9.1	9.2
6.25°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.2
5°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
3.75°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
2.5°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
1.25°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
0°	6.3	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.8	9.2	9.2
-1.25°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
-2.5°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
-3.75°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
-5°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.2	9.2
-6.25°	6.2	6.7	6.7	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.2
-7.5°	6.2	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.7	9.1	9.2
-8.75°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.2
-10°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.1	9.2
-11.25°	6.2	6.6	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.0	9.2
-12.5°	6.1	6.6	6.7	6.7	7.0	7.3	7.7	8.1	8.5	9.0	9.2
-13.75°	6.1	6.5	6.7	6.7	6.9	7.3	7.7	8.1	8.5	8.9	9.2
-15°	6.1	6.5	6.7	6.7	6.9	7.3	7.7	8.0	8.4	8.9	9.2
-16.25°	6.0	6.5	6.7	6.7	6.9	7.2	7.6	8.0	8.4	8.8	9.2
-17.5°	6.0	6.4	6.7	6.7	6.8	7.2	7.6	7.9	8.3	8.8	9.2
-18.75°	6.0	6.4	6.7	6.7	6.8	7.1	7.5	7.9	8.3	8.7	9.1
-20°	5.9	6.4	6.7	6.7	6.7	7.1	7.5	7.8	8.2	8.6	9.0
-21.25°	5.9	6.3	6.7	6.7	6.7	7.0	7.4	7.8	8.2	8.6	9.0



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	5.9	6.3	6.7	6.7	6.7	7.0	7.4	7.7	8.1	8.5	8.9
-23.75°	5.8	6.2	6.6	6.7	6.7	6.9	7.3	7.7	8.0	8.4	8.8
-25°	5.8	6.2	6.6	6.7	6.7	6.9	7.2	7.6	8.0	8.3	8.7
-26.25°	5.7	6.1	6.5	6.7	6.7	6.8	7.2	7.5	7.9	8.2	8.6
-27.5°	5.6	6.1	6.5	6.7	6.7	6.8	7.1	7.4	7.8	8.1	8.5
-28.75°	5.5	6.0	6.4	6.7	6.7	6.7	7.0	7.4	7.7	8.1	8.4
-30°	5.4	6.0	6.3	6.7	6.7	6.7	7.0	7.3	7.6	8.0	8.3
-31.25°	5.3	5.9	6.3	6.7	6.7	6.7	6.9	7.2	7.5	7.9	8.2
-32.5°	5.2	5.8	6.2	6.6	6.7	6.7	6.8	7.1	7.5	7.8	8.1
-33.75°	5.1	5.8	6.1	6.5	6.7	6.7	6.7	7.0	7.4	7.7	8.0
-35°	5.0	5.6	6.1	6.4	6.7	6.7	6.7	6.9	7.3	7.6	7.9
-36.25°	4.9	5.5	6.0	6.4	6.7	6.7	6.7	6.9	7.2	7.5	7.8
-37.5°	4.8	5.4	5.9	6.3	6.6	6.7	6.7	6.8	7.1	7.4	7.7
-38.75°	4.6	5.3	5.8	6.2	6.5	6.7	6.7	6.7	7.0	7.3	7.6
-40°	4.5	5.1	5.7	6.1	6.4	6.7	6.7	6.7	6.9	7.1	7.4
-41.25°	4.4	5.0	5.6	6.0	6.3	6.7	6.7	6.7	6.7	7.0	7.3
-42.5°	4.3	4.8	5.4	5.9	6.2	6.6	6.7	6.7	6.7	6.9	7.2
-43.75°	4.2	4.7	5.3	5.8	6.1	6.4	6.7	6.7	6.7	6.8	7.1
-45°	4.1	4.5	5.1	5.7	6.0	6.3	6.6	6.7	6.7	6.7	6.9
-46.25°	4.0	4.4	4.9	5.5	5.9	6.2	6.5	6.7	6.7	6.7	6.8
-47.5°	3.9	4.2	4.8	5.3	5.8	6.1	6.4	6.7	6.7	6.7	6.7
-48.75°	3.8	4.1	4.6	5.1	5.6	6.0	6.3	6.6	6.7	6.7	6.7
-50°	3.8	4.0	4.4	4.9	5.4	5.9	6.1	6.4	6.7	6.7	6.7
-51.25°	3.7	4.0	4.3	4.7	5.2	5.7	6.0	6.3	6.6	6.7	6.7
-52.5°	3.6	3.9	4.1	4.6	5.0	5.5	5.9	6.1	6.4	6.7	6.7
-53.75°	3.5	3.8	4.0	4.4	4.8	5.3	5.7	6.0	6.3	6.5	6.7
-55°	3.4	3.7	3.9	4.2	4.6	5.0	5.5	5.9	6.1	6.4	6.6
-56.25°	3.3	3.6	3.8	4.1	4.4	4.8	5.2	5.7	6.0	6.2	6.4
-57.5°	3.2	3.5	3.7	3.9	4.2	4.6	5.0	5.4	5.8	6.0	6.2
-58.75°	3.2	3.4	3.6	3.8	4.1	4.3	4.7	5.1	5.5	5.9	6.1
-60°	3.1	3.3	3.5	3.7	3.9	4.1	4.5	4.9	5.2	5.6	5.9
-61.25°	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.6	4.9	5.3	5.7
-62.5°	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.7	5.0	5.3
-63.75°	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.4	4.7	5.0
-65°	2.7	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.1	4.4	4.7
-66.25°	2.7	2.8	3.0	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.4
-67.5°	2.6	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	4.0	4.1
-68.75°	2.5	2.6	2.8	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9
-70°	2.3	2.5	2.7	2.8	2.9	3.0	3.2	3.3	3.5	3.6	3.7
-71.25°	2.1	2.3	2.6	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.5
-72.5°	1.9	2.1	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.4
-73.75°	1.7	1.9	2.2	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2
-75°	1.5	1.7	1.9	2.1	2.3	2.5	2.6	2.7	2.8	2.9	3.0
-76.25°	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.6	2.7	2.7	2.8
-77.5°	1.1	1.3	1.5	1.6	1.8	2.0	2.2	2.3	2.5	2.6	2.7



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0.9	1.1	1.2	1.4	1.5	1.7	1.9	2.0	2.2	2.3	2.5
-80°	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.7	1.8	2.0	2.1
-81.25°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.7
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.4
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	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



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
85°	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3
83.75°	1.1	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8
82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
81.25°	1.8	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.7
80°	2.2	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	3.0
78.75°	2.6	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.2
77.5°	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4	3.5
76.25°	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.7	3.8
75°	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0
73.75°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4
72.5°	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.6	4.7	4.9
71.25°	3.7	3.8	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4
70°	3.9	4.0	4.1	4.3	4.6	4.8	5.0	5.3	5.5	5.7	5.9
68.75°	4.1	4.2	4.5	4.7	5.0	5.2	5.5	5.7	5.9	6.0	6.1
67.5°	4.3	4.6	4.9	5.1	5.4	5.7	5.9	6.0	6.1	6.3	6.4
66.25°	4.7	4.9	5.2	5.5	5.8	6.0	6.1	6.3	6.4	6.6	6.7
65°	5.0	5.3	5.6	5.9	6.0	6.2	6.4	6.5	6.7	6.7	6.7
63.75°	5.3	5.7	5.9	6.1	6.2	6.4	6.6	6.7	6.7	6.7	6.7
62.5°	5.7	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7
61.25°	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.9
60°	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.1
58.75°	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.3
57.5°	6.5	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6
56.25°	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.6	7.8
55°	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.8	8.0
53.75°	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.2
52.5°	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.3	8.5
51.25°	6.7	6.7	6.9	7.2	7.4	7.6	7.8	8.1	8.3	8.5	8.7
50°	6.7	6.9	7.1	7.3	7.6	7.8	8.0	8.2	8.5	8.7	9.0
48.75°	6.8	7.0	7.3	7.5	7.7	8.0	8.2	8.5	8.7	9.0	9.2
47.5°	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.2
46.25°	7.1	7.3	7.6	7.8	8.1	8.3	8.6	8.9	9.2	9.2	9.2
45°	7.2	7.5	7.7	8.0	8.2	8.5	8.8	9.1	9.2	9.2	9.2
43.75°	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.2	9.2	9.2	9.3
42.5°	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.2	9.5
41.25°	7.6	7.9	8.2	8.5	8.8	9.1	9.2	9.2	9.2	9.4	9.6
40°	7.7	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.3	9.6	9.8
38.75°	7.9	8.2	8.5	8.8	9.1	9.2	9.2	9.2	9.5	9.8	10.0
37.5°	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.4	9.6	9.9	10.2
36.25°	8.1	8.4	8.8	9.1	9.2	9.2	9.2	9.5	9.8	10.1	10.4
35°	8.2	8.6	8.9	9.2	9.2	9.2	9.4	9.7	10.0	10.3	10.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	8.3	8.7	9.0	9.2	9.2	9.2	9.5	9.8	10.1	10.4	10.7
32.5°	8.5	8.8	9.2	9.2	9.2	9.3	9.7	10.0	10.3	10.6	10.9
31.25°	8.6	8.9	9.2	9.2	9.2	9.5	9.8	10.1	10.4	10.8	11.1
30°	8.7	9.1	9.2	9.2	9.3	9.6	9.9	10.3	10.6	10.9	11.3
28.75°	8.8	9.2	9.2	9.2	9.4	9.7	10.1	10.4	10.7	11.1	11.4
27.5°	8.9	9.2	9.2	9.2	9.5	9.8	10.2	10.5	10.9	11.2	11.6
26.25°	9.0	9.2	9.2	9.3	9.6	10.0	10.3	10.6	11.0	11.4	11.8
25°	9.1	9.2	9.2	9.4	9.7	10.1	10.4	10.8	11.2	11.5	11.9
23.75°	9.2	9.2	9.2	9.5	9.8	10.2	10.5	10.9	11.3	11.7	12.0
22.5°	9.2	9.2	9.2	9.6	9.9	10.3	10.6	11.0	11.4	11.8	12.2
21.25°	9.2	9.2	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
20°	9.2	9.2	9.4	9.7	10.1	10.5	10.8	11.3	11.7	12.0	12.4
18.75°	9.2	9.2	9.4	9.8	10.2	10.6	10.9	11.4	11.8	12.1	12.5
17.5°	9.2	9.2	9.5	9.9	10.3	10.6	11.0	11.5	11.9	12.2	14.1
16.25°	9.2	9.2	9.6	10.0	10.3	10.7	11.1	11.6	11.9	12.3	15.7
15°	9.2	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	17.2
13.75°	9.2	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	18.5
12.5°	9.2	9.4	9.8	10.1	10.5	10.9	11.4	11.8	12.2	13.4	19.8
11.25°	9.2	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	14.5	20.9
10°	9.2	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	15.5	21.9
8.75°	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	16.3	22.8
7.5°	9.2	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	17.1	23.6
6.25°	9.2	9.5	9.9	10.3	10.7	11.2	11.6	12.0	12.4	17.7	24.3
5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	18.2	24.8
3.75°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	18.6	25.3
2.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	18.9	25.6
1.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	19.1	25.7
0°	9.2	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	19.2	25.8
-1.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	19.1	25.7
-2.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	18.9	25.6
-3.75°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	18.9	25.6
-5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	18.2	24.8
-6.25°	9.2	9.5	9.9	10.3	10.7	11.2	11.6	12.0	12.4	17.7	24.3
-7.5°	9.2	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	17.1	23.6
-8.75°	9.2	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	16.3	22.8
-10°	9.2	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	15.5	21.9
-11.25°	9.2	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	14.5	20.9
-12.5°	9.2	9.4	9.8	10.1	10.5	10.9	11.4	11.8	12.2	13.4	19.8
-13.75°	9.2	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	18.5
-15°	9.2	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	17.2
-16.25°	9.2	9.2	9.6	10.0	10.3	10.7	11.1	11.6	11.9	12.3	15.7
-17.5°	9.2	9.2	9.5	9.9	10.3	10.6	11.0	11.5	11.9	12.2	14.1
-18.75°	9.2	9.2	9.4	9.8	10.2	10.6	10.9	11.4	11.8	12.1	12.5
-20°	9.2	9.2	9.4	9.7	10.1	10.5	10.8	11.3	11.7	12.0	12.4
-21.25°	9.2	9.2	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	9.2	9.2	9.2	9.6	9.9	10.3	10.6	11.0	11.4	11.8	12.2
-23.75°	9.2	9.2	9.2	9.5	9.8	10.2	10.5	10.9	11.3	11.7	12.0
-25°	9.1	9.2	9.2	9.4	9.7	10.1	10.4	10.8	11.2	11.5	11.9
-26.25°	9.0	9.2	9.2	9.3	9.6	10.0	10.3	10.6	11.0	11.4	11.8
-27.5°	8.9	9.2	9.2	9.2	9.5	9.8	10.2	10.5	10.9	11.2	11.6
-28.75°	8.8	9.2	9.2	9.2	9.4	9.7	10.1	10.4	10.7	11.1	11.4
-30°	8.7	9.1	9.2	9.2	9.3	9.6	9.9	10.3	10.6	10.9	11.3
-31.25°	8.6	8.9	9.2	9.2	9.2	9.5	9.8	10.1	10.4	10.8	11.1
-32.5°	8.5	8.8	9.2	9.2	9.2	9.3	9.7	10.0	10.3	10.6	10.9
-33.75°	8.3	8.7	9.0	9.2	9.2	9.2	9.5	9.8	10.1	10.4	10.7
-35°	8.2	8.6	8.9	9.2	9.2	9.2	9.4	9.7	10.0	10.3	10.6
-36.25°	8.1	8.4	8.8	9.1	9.2	9.2	9.2	9.5	9.8	10.1	10.4
-37.5°	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.4	9.6	9.9	10.2
-38.75°	7.9	8.2	8.5	8.8	9.1	9.2	9.2	9.2	9.5	9.8	10.0
-40°	7.7	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.3	9.6	9.8
-41.25°	7.6	7.9	8.2	8.5	8.8	9.1	9.2	9.2	9.2	9.4	9.6
-42.5°	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.2	9.2	9.2	9.5
-43.75°	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.2	9.2	9.2	9.3
-45°	7.2	7.5	7.7	8.0	8.2	8.5	8.8	9.1	9.2	9.2	9.2
-46.25°	7.1	7.3	7.6	7.8	8.1	8.3	8.6	8.9	9.2	9.2	9.2
-47.5°	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.2
-48.75°	6.8	7.0	7.3	7.5	7.7	8.0	8.2	8.5	8.7	9.0	9.2
-50°	6.7	6.9	7.1	7.3	7.6	7.8	8.0	8.2	8.5	8.7	9.0
-51.25°	6.7	6.7	6.9	7.2	7.4	7.6	7.8	8.1	8.3	8.5	8.7
-52.5°	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.3	8.5
-53.75°	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.9	8.1	8.2
-55°	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6	7.8	8.0
-56.25°	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.6	7.8
-57.5°	6.5	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.4	7.6
-58.75°	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	7.0	7.2	7.3
-60°	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.1
-61.25°	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7	6.9
-62.5°	5.7	5.9	6.1	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7
-63.75°	5.3	5.7	5.9	6.1	6.2	6.4	6.6	6.7	6.7	6.7	6.7
-65°	5.0	5.3	5.6	5.9	6.0	6.2	6.4	6.5	6.7	6.7	6.7
-66.25°	4.7	4.9	5.2	5.5	5.8	6.0	6.1	6.3	6.4	6.6	6.7
-67.5°	4.3	4.6	4.9	5.1	5.4	5.7	5.9	6.0	6.1	6.3	6.4
-68.75°	4.1	4.2	4.5	4.7	5.0	5.2	5.5	5.7	5.9	6.0	6.1
-70°	3.9	4.0	4.1	4.3	4.6	4.8	5.0	5.3	5.5	5.7	5.9
-71.25°	3.7	3.8	3.9	4.1	4.2	4.4	4.6	4.8	5.0	5.2	5.4
-72.5°	3.5	3.6	3.7	3.8	3.9	4.1	4.2	4.4	4.6	4.7	4.9
-73.75°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4
-75°	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0
-76.25°	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.6	3.7	3.8
-77.5°	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4	3.5



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	2.6	2.6	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1	3.2
-80°	2.2	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.9	3.0
-81.25°	1.8	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.6	2.7
-82.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-83.75°	1.1	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8
-85°	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
85°	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.8
83.75°	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5
82.5°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
81.25°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
80°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
78.75°	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9
77.5°	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.2
76.25°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.8	4.9
75°	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.5
73.75°	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.7	5.8	5.9	6.0
72.5°	5.1	5.3	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4
71.25°	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
70°	6.0	6.1	6.2	6.3	6.4	6.6	6.7	6.7	6.7	6.7	6.7
68.75°	6.3	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9
66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.1	7.2
65°	6.7	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.3	7.4	7.5
63.75°	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.6	7.7	7.8
62.5°	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.1
61.25°	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.2	8.3	8.4
60°	7.3	7.4	7.6	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.8
58.75°	7.5	7.7	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1
57.5°	7.7	7.9	8.1	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.2
56.25°	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2
55°	8.2	8.4	8.6	8.8	9.0	9.2	9.2	9.2	9.2	9.2	9.2
53.75°	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.4	9.5
52.5°	8.7	8.9	9.2	9.2	9.2	9.2	9.2	9.3	9.5	9.6	9.8
51.25°	9.0	9.2	9.2	9.2	9.2	9.2	9.4	9.6	9.8	9.9	10.1
50°	9.2	9.2	9.2	9.2	9.3	9.5	9.6	9.8	10.0	10.2	10.4
48.75°	9.2	9.2	9.2	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
47.5°	9.2	9.2	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0
46.25°	9.2	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.1	11.3
45°	9.3	9.5	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.4	11.6
43.75°	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.2	11.4	11.7	11.9
42.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	12.0	12.2
41.25°	9.9	10.2	10.4	10.7	10.9	11.2	11.5	11.8	12.0	12.2	12.4
40°	10.1	10.4	10.6	10.9	11.2	11.5	11.8	12.0	12.2	12.5	16.0
38.75°	10.3	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.5	16.3	20.3
37.5°	10.5	10.8	11.1	11.4	11.7	12.0	12.2	12.5	16.3	20.5	24.6
36.25°	10.7	11.0	11.3	11.6	11.9	12.2	12.4	16.0	20.3	24.6	32.6
35°	10.9	11.2	11.5	11.8	12.1	12.4	15.2	19.8	24.2	32.2	41.9



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	11.1	11.4	11.7	12.0	12.3	14.1	18.8	23.5	30.9	41.1	51.1
32.5°	11.3	11.6	11.9	12.2	12.7	17.5	22.4	28.8	39.3	49.8	60.7
31.25°	11.5	11.8	12.1	12.4	15.9	20.9	25.8	36.7	47.6	58.6	70.7
30°	11.6	12.0	12.3	13.9	19.0	24.1	33.3	44.5	55.6	68.1	80.4
28.75°	11.8	12.1	12.4	16.8	22.1	29.0	40.6	52.1	64.5	77.3	89.9
27.5°	12.0	12.3	14.3	19.7	25.0	35.9	47.7	60.0	73.2	86.2	98.5
26.25°	12.1	12.4	16.9	22.4	30.4	42.5	54.6	68.1	81.6	94.6	106.8
25°	12.2	13.9	19.5	25.0	36.5	48.9	62.0	75.9	89.7	102.3	114.8
23.75°	12.4	16.2	21.9	29.8	42.5	55.1	69.3	83.4	96.9	109.8	122.7
22.5°	12.7	18.5	24.2	35.3	48.2	61.7	76.3	90.6	103.9	117.0	131.3
21.25°	14.7	20.6	27.3	40.5	53.6	68.2	83.0	97.1	110.5	124.3	139.7
20°	16.7	22.7	32.1	45.5	59.2	74.3	89.3	103.2	116.9	131.9	147.6
18.75°	18.5	24.6	36.7	50.2	64.8	80.1	95.0	109.0	123.1	139.2	155.2
17.5°	20.3	27.2	40.9	54.7	70.1	85.6	100.2	114.5	129.8	146.1	163.5
16.25°	21.9	31.0	45.0	59.3	75.1	90.7	105.2	119.6	136.0	152.6	172.3
15°	23.5	34.6	48.7	63.7	79.7	95.2	109.9	124.9	141.8	158.8	180.5
13.75°	24.9	38.0	52.2	67.8	84.0	99.3	114.2	130.1	147.3	166.1	188.1
12.5°	26.6	41.0	55.4	71.6	87.9	103.1	118.1	134.9	152.2	172.8	195.1
11.25°	29.3	43.8	58.6	75.1	91.4	106.6	121.7	139.3	156.8	179.0	201.5
10°	31.7	46.3	61.6	78.2	94.4	109.7	125.5	143.2	161.7	184.5	207.6
8.75°	33.8	48.5	64.2	80.9	97.1	112.5	128.9	146.7	166.4	189.4	213.6
7.5°	35.7	50.4	66.5	83.3	99.4	114.9	131.8	149.8	170.5	193.7	218.9
6.25°	37.2	52.1	68.5	85.4	101.3	116.9	134.3	152.4	174.0	197.4	223.4
5°	38.5	53.4	70.0	87.0	102.9	118.6	136.3	154.5	176.9	200.4	227.1
3.75°	39.5	54.5	71.3	88.3	104.2	119.9	137.9	156.2	179.2	202.8	230.0
2.5°	40.2	55.2	72.2	89.3	105.1	120.8	139.0	157.3	180.8	204.5	232.0
1.25°	40.7	55.7	72.7	89.8	105.6	121.4	139.7	158.1	181.7	205.5	233.3
0°	40.8	55.8	72.9	90.0	105.8	121.6	140.0	158.3	182.1	205.8	233.7
-1.25°	40.7	55.7	72.7	89.8	105.6	121.4	139.7	158.1	181.7	205.5	233.3
-2.5°	40.2	55.2	72.2	89.3	105.1	120.8	139.0	157.3	180.8	204.5	232.0
-3.75°	39.5	54.5	71.3	88.3	104.2	119.9	137.9	156.2	179.2	202.8	230.0
-5°	38.5	53.4	70.0	87.0	102.9	118.6	136.3	154.5	176.9	200.4	227.1
-6.25°	37.2	52.1	68.5	85.4	101.3	116.9	134.3	152.4	174.0	197.4	223.4
-7.5°	35.7	50.4	66.5	83.3	99.4	114.9	131.8	149.8	170.5	193.7	218.9
-8.75°	33.8	48.5	64.2	80.9	97.1	112.5	128.9	146.7	166.4	189.4	213.6
-10°	31.7	46.3	61.6	78.2	94.4	109.7	125.5	143.2	161.7	184.5	207.6
-11.25°	29.3	43.8	58.6	75.1	91.4	106.6	121.7	139.3	156.8	179.0	201.5
-12.5°	26.6	41.0	55.4	71.6	87.9	103.1	118.1	134.9	152.2	172.8	195.1
-13.75°	24.9	38.0	52.2	67.8	84.0	99.3	114.2	130.1	147.3	166.1	188.1
-15°	23.5	34.6	48.7	63.7	79.7	95.2	109.9	124.9	141.8	158.8	180.5
-16.25°	21.9	31.0	45.0	59.3	75.1	90.7	105.2	119.6	136.0	152.6	172.3
-17.5°	20.3	27.2	40.9	54.7	70.1	85.6	100.2	114.5	129.8	146.1	163.5
-18.75°	18.5	24.6	36.7	50.2	64.8	80.1	95.0	109.0	123.1	139.2	155.2
-20°	16.7	22.7	32.1	45.5	59.2	74.3	89.3	103.2	116.9	131.9	147.6
-21.25°	14.7	20.6	27.3	40.5	53.6	68.2	83.0	97.1	110.5	124.3	139.7



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	12.7	18.5	24.2	35.3	48.2	61.7	76.3	90.6	103.9	117.0	131.3
-23.75°	12.4	16.2	21.9	29.8	42.5	55.1	69.3	83.4	96.9	109.8	122.7
-25°	12.2	13.9	19.5	25.0	36.5	48.9	62.0	75.9	89.7	102.3	114.8
-26.25°	12.1	12.4	16.9	22.4	30.4	42.5	54.6	68.1	81.6	94.6	106.8
-27.5°	12.0	12.3	14.3	19.7	25.0	35.9	47.7	60.0	73.2	86.2	98.5
-28.75°	11.8	12.1	12.4	16.8	22.1	29.0	40.6	52.1	64.5	77.3	89.9
-30°	11.6	12.0	12.3	13.9	19.0	24.1	33.3	44.5	55.6	68.1	80.4
-31.25°	11.5	11.8	12.1	12.4	15.9	20.9	25.8	36.7	47.6	58.6	70.7
-32.5°	11.3	11.6	11.9	12.2	12.7	17.5	22.4	28.8	39.3	49.8	60.7
-33.75°	11.1	11.4	11.7	12.0	12.3	14.1	18.8	23.5	30.9	41.1	51.1
-35°	10.9	11.2	11.5	11.8	12.1	12.4	15.2	19.8	24.2	32.2	41.9
-36.25°	10.7	11.0	11.3	11.6	11.9	12.2	12.4	16.0	20.3	24.6	32.6
-37.5°	10.5	10.8	11.1	11.4	11.7	12.0	12.2	12.5	16.3	20.5	24.6
-38.75°	10.3	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.5	16.3	20.3
-40°	10.1	10.4	10.6	10.9	11.2	11.5	11.8	12.0	12.2	12.5	16.0
-41.25°	9.9	10.2	10.4	10.7	10.9	11.2	11.5	11.8	12.0	12.2	12.4
-42.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	12.0	12.2
-43.75°	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.2	11.4	11.7	11.9
-45°	9.3	9.5	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.4	11.6
-46.25°	9.2	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.1	11.3
-47.5°	9.2	9.2	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0
-48.75°	9.2	9.2	9.2	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
-50°	9.2	9.2	9.2	9.2	9.3	9.5	9.6	9.8	10.0	10.2	10.4
-51.25°	9.0	9.2	9.2	9.2	9.2	9.2	9.4	9.6	9.8	9.9	10.1
-52.5°	8.7	8.9	9.2	9.2	9.2	9.2	9.2	9.3	9.5	9.6	9.8
-53.75°	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.4	9.5
-55°	8.2	8.4	8.6	8.8	9.0	9.2	9.2	9.2	9.2	9.2	9.2
-56.25°	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.2	9.2	9.2
-57.5°	7.7	7.9	8.1	8.2	8.4	8.6	8.8	8.9	9.1	9.2	9.2
-58.75°	7.5	7.7	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9	9.1
-60°	7.3	7.4	7.6	7.7	7.9	8.0	8.2	8.3	8.5	8.6	8.8
-61.25°	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.2	8.3	8.4
-62.5°	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.1
-63.75°	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.6	7.7	7.8
-65°	6.7	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.3	7.4	7.5
-66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.1	7.2
-67.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9
-68.75°	6.3	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-70°	6.0	6.1	6.2	6.3	6.4	6.6	6.7	6.7	6.7	6.7	6.7
-71.25°	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
-72.5°	5.1	5.3	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4
-73.75°	4.6	4.8	4.9	5.1	5.3	5.4	5.6	5.7	5.8	5.9	6.0
-75°	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.5
-76.25°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.8	4.9
-77.5°	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.2



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	3.3	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9
-80°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5
-81.25°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
-82.5°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
-83.75°	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5
-85°	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.8
-86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.1	1.2
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5
85°	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
83.75°	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
81.25°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
80°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9
78.75°	3.9	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.3	4.4	4.4
77.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2
76.25°	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9
75°	5.6	5.8	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3
73.75°	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.6	6.7
72.5°	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
71.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0
68.75°	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2	7.3	7.4
67.5°	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.7
66.25°	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1
65°	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2	8.3	8.4	8.5
63.75°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
62.5°	8.2	8.3	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2
61.25°	8.6	8.7	8.8	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.2
60°	8.9	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
58.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.4	9.5	9.6
57.5°	9.2	9.2	9.2	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9
56.25°	9.2	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
55°	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6
53.75°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.6	10.8	10.9	11.0
52.5°	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.2	11.3	11.4
51.25°	10.3	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
50°	10.6	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.0	12.2
48.75°	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.1	12.2	12.4	12.7
47.5°	11.2	11.4	11.6	11.8	12.0	12.1	12.3	12.4	13.9	16.2	18.5
46.25°	11.5	11.7	11.9	12.1	12.3	12.4	14.3	16.9	19.5	21.9	24.2
45°	11.8	12.0	12.2	12.4	13.9	16.8	19.7	22.4	25.0	29.8	35.3
43.75°	12.1	12.3	12.7	15.9	19.0	22.1	25.0	30.4	36.5	42.5	48.2
42.5°	12.4	14.1	17.5	20.9	24.1	29.0	35.9	42.5	48.9	55.1	61.7
41.25°	15.2	18.8	22.4	25.8	33.3	40.6	47.7	54.6	62.0	69.3	76.3
40°	19.8	23.5	28.8	36.7	44.5	52.1	60.0	68.1	75.9	83.4	90.6
38.75°	24.2	30.9	39.3	47.6	55.6	64.5	73.2	81.6	89.7	96.9	103.9
37.5°	32.2	41.1	49.8	58.6	68.1	77.3	86.2	94.6	102.3	109.8	117.0
36.25°	41.9	51.1	60.7	70.7	80.4	89.9	98.5	106.8	114.8	122.7	131.3
35°	51.5	61.7	72.2	82.5	92.4	101.4	110.2	118.8	128.0	137.3	146.3



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	61.7	72.7	83.5	93.8	103.4	112.8	121.9	132.2	142.2	151.8	161.9
32.5°	72.2	83.5	94.3	104.4	114.3	124.3	135.2	145.8	156.1	168.4	180.8
31.25°	82.5	93.8	104.4	114.8	125.5	137.0	148.3	159.5	173.3	186.6	199.5
30°	92.4	103.4	114.3	125.5	137.6	149.5	161.9	176.6	190.8	204.6	220.1
28.75°	101.4	112.8	124.3	137.0	149.5	162.7	178.2	193.3	208.4	225.2	241.4
27.5°	110.2	121.9	135.2	148.3	161.9	178.2	194.1	210.4	228.2	245.6	262.5
26.25°	118.8	132.2	145.8	159.5	176.6	193.3	210.4	229.2	247.6	266.1	285.8
25°	128.0	142.2	156.1	173.3	190.8	208.4	228.2	247.6	267.3	288.3	308.6
23.75°	137.3	151.8	168.4	186.6	204.6	225.2	245.6	266.1	288.3	309.9	331.8
22.5°	146.3	161.9	180.8	199.5	220.1	241.4	262.5	285.8	308.6	331.8	356.4
21.25°	154.9	173.5	192.8	213.0	235.2	257.1	280.9	304.9	328.9	354.9	380.4
20°	164.6	184.6	204.3	227.0	249.7	273.6	298.6	323.3	350.4	377.3	403.9
18.75°	174.8	195.1	217.0	240.4	263.9	289.9	315.6	343.0	371.2	398.9	427.4
17.5°	184.4	205.1	229.2	253.1	278.9	305.5	332.8	362.1	391.1	420.6	453.1
16.25°	193.5	216.1	240.8	265.7	293.1	320.3	350.2	380.3	410.6	443.3	474.7
15°	202.0	226.6	251.6	278.5	306.5	335.5	366.6	397.5	429.8	464.8	493.5
13.75°	210.7	236.3	261.8	290.5	319.0	350.3	382.1	414.3	449.9	482.1	510.1
12.5°	219.3	245.3	272.4	301.6	331.4	364.0	396.4	430.5	467.2	497.5	524.6
11.25°	227.2	253.5	282.1	311.7	343.4	376.5	410.1	447.0	481.5	511.2	537.6
10°	234.3	260.9	290.9	320.9	354.3	387.9	422.7	461.7	494.0	522.8	549.1
8.75°	240.6	268.3	298.8	329.7	364.0	398.2	434.9	472.8	504.6	533.0	559.4
7.5°	246.1	274.8	305.6	337.8	372.5	407.6	446.1	482.6	514.0	541.8	568.1
6.25°	250.8	280.4	311.5	344.8	379.8	415.6	455.7	490.7	521.3	549.2	575.6
5°	254.7	285.0	316.3	350.5	385.7	422.2	463.1	497.0	527.4	555.3	581.9
3.75°	257.7	288.6	320.0	354.9	390.4	427.4	468.2	502.0	532.1	560.1	586.9
2.5°	259.9	291.2	322.7	358.1	393.8	431.7	471.9	505.5	535.5	563.4	590.6
1.25°	261.2	292.7	324.4	360.1	395.8	434.2	474.1	507.6	537.5	565.4	592.8
0°	261.6	293.3	324.9	360.7	396.5	435.1	474.9	508.4	538.2	566.1	593.6
-1.25°	261.2	292.7	324.4	360.1	395.8	434.2	474.1	507.6	537.5	565.4	592.8
-2.5°	259.9	291.2	322.7	358.1	393.8	431.7	471.9	505.5	535.5	563.4	590.6
-3.75°	257.7	288.6	320.0	354.9	390.4	427.4	468.2	502.0	532.1	560.1	586.9
-5°	254.7	285.0	316.3	350.5	385.7	422.2	463.1	497.0	527.4	555.3	581.9
-6.25°	250.8	280.4	311.5	344.8	379.8	415.6	455.7	490.7	521.3	549.2	575.6
-7.5°	246.1	274.8	305.6	337.8	372.5	407.6	446.1	482.6	514.0	541.8	568.1
-8.75°	240.6	268.3	298.8	329.7	364.0	398.2	434.9	472.8	504.6	533.0	559.4
-10°	234.3	260.9	290.9	320.9	354.3	387.9	422.7	461.7	494.0	522.8	549.1
-11.25°	227.2	253.5	282.1	311.7	343.4	376.5	410.1	447.0	481.5	511.2	537.6
-12.5°	219.3	245.3	272.4	301.6	331.4	364.0	396.4	430.5	467.2	497.5	524.6
-13.75°	210.7	236.3	261.8	290.5	319.0	350.3	382.1	414.3	449.9	482.1	510.1
-15°	202.0	226.6	251.6	278.5	306.5	335.5	366.6	397.5	429.8	464.8	493.5
-16.25°	193.5	216.1	240.8	265.7	293.1	320.3	350.2	380.3	410.6	443.3	474.7
-17.5°	184.4	205.1	229.2	253.1	278.9	305.5	332.8	362.1	391.1	420.6	453.1
-18.75°	174.8	195.1	217.0	240.4	263.9	289.9	315.6	343.0	371.2	398.9	427.4
-20°	164.6	184.6	204.3	227.0	249.7	273.6	298.6	323.3	350.4	377.3	403.9
-21.25°	154.9	173.5	192.8	213.0	235.2	257.1	280.9	304.9	328.9	354.9	380.4



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

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	146.3	161.9	180.8	199.5	220.1	241.4	262.5	285.8	308.6	331.8	356.4
-23.75°	137.3	151.8	168.4	186.6	204.6	225.2	245.6	266.1	288.3	309.9	331.8
-25°	128.0	142.2	156.1	173.3	190.8	208.4	228.2	247.6	267.3	288.3	308.6
-26.25°	118.8	132.2	145.8	159.5	176.6	193.3	210.4	229.2	247.6	266.1	285.8
-27.5°	110.2	121.9	135.2	148.3	161.9	178.2	194.1	210.4	228.2	245.6	262.5
-28.75°	101.4	112.8	124.3	137.0	149.5	162.7	178.2	193.3	208.4	225.2	241.4
-30°	92.4	103.4	114.3	125.5	137.6	149.5	161.9	176.6	190.8	204.6	220.1
-31.25°	82.5	93.8	104.4	114.8	125.5	137.0	148.3	159.5	173.3	186.6	199.5
-32.5°	72.2	83.5	94.3	104.4	114.3	124.3	135.2	145.8	156.1	168.4	180.8
-33.75°	61.7	72.7	83.5	93.8	103.4	112.8	121.9	132.2	142.2	151.8	161.9
-35°	51.5	61.7	72.2	82.5	92.4	101.4	110.2	118.8	128.0	137.3	146.3
-36.25°	41.9	51.1	60.7	70.7	80.4	89.9	98.5	106.8	114.8	122.7	131.3
-37.5°	32.2	41.1	49.8	58.6	68.1	77.3	86.2	94.6	102.3	109.8	117.0
-38.75°	24.2	30.9	39.3	47.6	55.6	64.5	73.2	81.6	89.7	96.9	103.9
-40°	19.8	23.5	28.8	36.7	44.5	52.1	60.0	68.1	75.9	83.4	90.6
-41.25°	15.2	18.8	22.4	25.8	33.3	40.6	47.7	54.6	62.0	69.3	76.3
-42.5°	12.4	14.1	17.5	20.9	24.1	29.0	35.9	42.5	48.9	55.1	61.7
-43.75°	12.1	12.3	12.7	15.9	19.0	22.1	25.0	30.4	36.5	42.5	48.2
-45°	11.8	12.0	12.2	12.4	13.9	16.8	19.7	22.4	25.0	29.8	35.3
-46.25°	11.5	11.7	11.9	12.1	12.3	12.4	14.3	16.9	19.5	21.9	24.2
-47.5°	11.2	11.4	11.6	11.8	12.0	12.1	12.3	12.4	13.9	16.2	18.5
-48.75°	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.1	12.2	12.4	12.7
-50°	10.6	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.0	12.2
-51.25°	10.3	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
-52.5°	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.2	11.3	11.4
-53.75°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.6	10.8	10.9	11.0
-55°	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6
-56.25°	9.2	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
-57.5°	9.2	9.2	9.2	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9
-58.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.3	9.4	9.5	9.6
-60°	8.9	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-61.25°	8.6	8.7	8.8	8.9	9.1	9.2	9.2	9.2	9.2	9.2	9.2
-62.5°	8.2	8.3	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.2
-63.75°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-65°	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2	8.3	8.4	8.5
-66.25°	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1
-67.5°	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.7
-68.75°	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.2	7.3	7.4
-70°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0
-71.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-72.5°	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-73.75°	6.1	6.1	6.2	6.3	6.3	6.4	6.5	6.5	6.6	6.6	6.7
-75°	5.6	5.8	5.8	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3
-76.25°	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9
-77.5°	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.9	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.3	4.4	4.4
-80°	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9
-81.25°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.5
-82.5°	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
-83.75°	2.5	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7
-85°	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2
-86.25°	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	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



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
85°	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5
83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9
82.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
81.25°	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7
80°	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.2
78.75°	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9
77.5°	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7
76.25°	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2
75°	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6
73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
71.25°	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0
70°	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4
68.75°	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8
67.5°	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2
66.25°	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.6
65°	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
63.75°	9.0	9.0	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
61.25°	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.4	9.5
60°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.8	9.9
58.75°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3
57.5°	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.6	10.7
56.25°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
55°	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
53.75°	11.1	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9
52.5°	11.5	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
51.25°	11.9	12.0	12.1	12.2	12.3	12.4	12.5	13.4	14.5	15.5	16.3
50°	12.3	12.4	12.5	14.1	15.7	17.2	18.5	19.8	20.9	21.9	22.8
48.75°	14.7	16.7	18.5	20.3	21.9	23.5	24.9	26.6	29.3	31.7	33.8
47.5°	20.6	22.7	24.6	27.2	31.0	34.6	38.0	41.0	43.8	46.3	48.5
46.25°	27.3	32.1	36.7	40.9	45.0	48.7	52.2	55.4	58.6	61.6	64.2
45°	40.5	45.5	50.2	54.7	59.3	63.7	67.8	71.6	75.1	78.2	80.9
43.75°	53.6	59.2	64.8	70.1	75.1	79.7	84.0	87.9	91.4	94.4	97.1
42.5°	68.2	74.3	80.1	85.6	90.7	95.2	99.3	103.1	106.6	109.7	112.5
41.25°	83.0	89.3	95.0	100.2	105.2	109.9	114.2	118.1	121.7	125.5	128.9
40°	97.1	103.2	109.0	114.5	119.6	124.9	130.1	134.9	139.3	143.2	146.7
38.75°	110.5	116.9	123.1	129.8	136.0	141.8	147.3	152.2	156.8	161.7	166.4
37.5°	124.3	131.9	139.2	146.1	152.6	158.8	166.1	172.8	179.0	184.5	189.4
36.25°	139.7	147.6	155.2	163.5	172.3	180.5	188.1	195.1	201.5	207.6	213.6
35°	154.9	164.6	174.8	184.4	193.5	202.0	210.7	219.3	227.2	234.3	240.6



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	173.5	184.6	195.1	205.1	216.1	226.6	236.3	245.3	253.5	260.9	268.3
32.5°	192.8	204.3	217.0	229.2	240.8	251.6	261.8	272.4	282.1	290.9	298.8
31.25°	213.0	227.0	240.4	253.1	265.7	278.5	290.5	301.6	311.7	320.9	329.7
30°	235.2	249.7	263.9	278.9	293.1	306.5	319.0	331.4	343.4	354.3	364.0
28.75°	257.1	273.6	289.9	305.5	320.3	335.5	350.3	364.0	376.5	387.9	398.2
27.5°	280.9	298.6	315.6	332.8	350.2	366.6	382.1	396.4	410.1	422.7	434.9
26.25°	304.9	323.3	343.0	362.1	380.3	397.5	414.3	430.5	447.0	461.7	472.8
25°	328.9	350.4	371.2	391.1	410.6	429.8	449.9	467.2	481.5	494.0	504.6
23.75°	354.9	377.3	398.9	420.6	443.3	464.8	482.1	497.5	511.2	522.8	533.0
22.5°	380.4	403.9	427.4	453.1	474.7	493.5	510.1	524.6	537.6	549.1	559.4
21.25°	405.5	431.3	459.0	481.4	501.4	519.3	535.0	549.3	562.4	574.0	584.5
20°	431.3	461.0	484.8	506.1	525.2	542.4	558.2	572.6	586.0	598.8	610.4
18.75°	459.0	484.8	507.7	528.1	546.8	564.1	580.1	595.6	610.4	624.3	636.2
17.5°	481.4	506.1	528.1	548.3	567.0	584.7	602.1	619.0	634.4	648.1	661.4
16.25°	501.4	525.2	546.8	567.0	586.2	605.3	624.2	641.2	657.3	672.9	688.1
15°	519.3	542.4	564.1	584.7	605.3	626.0	644.6	663.0	681.3	699.0	715.8
13.75°	535.0	558.2	580.1	602.1	624.2	644.6	664.9	685.6	705.9	725.4	743.9
12.5°	549.3	572.6	595.6	619.0	641.2	663.0	685.6	708.2	730.4	751.7	771.4
11.25°	562.4	586.0	610.4	634.4	657.3	681.3	705.9	730.4	754.4	777.0	796.1
10°	574.0	598.8	624.3	648.1	672.9	699.0	725.4	751.7	777.0	798.8	816.2
8.75°	584.5	610.4	636.2	661.4	688.1	715.8	743.9	771.4	796.1	816.2	833.3
7.5°	594.1	621.0	646.7	673.3	701.8	731.1	760.5	788.2	811.5	831.0	848.0
6.25°	602.3	629.9	656.1	684.4	714.1	744.7	775.1	802.3	824.1	843.4	860.8
5°	609.4	637.0	664.2	693.6	724.4	756.1	786.5	812.4	834.2	853.6	872.0
3.75°	615.0	642.5	670.6	701.1	732.8	765.2	795.5	820.6	842.2	861.9	880.3
2.5°	619.0	646.6	675.4	706.6	739.0	771.8	802.0	826.1	847.7	868.0	886.5
1.25°	621.5	649.0	678.3	709.9	742.7	775.8	805.3	829.4	851.1	871.8	890.0
0°	622.3	649.8	679.4	711.0	743.9	777.2	806.4	830.6	852.2	873.1	891.1
-1.25°	621.5	649.0	678.3	709.9	742.7	775.8	805.3	829.4	851.1	871.8	890.0
-2.5°	619.0	646.6	675.4	706.6	739.0	771.8	802.0	826.1	847.7	868.0	886.5
-3.75°	615.0	642.5	670.6	701.1	732.8	765.2	795.5	820.6	842.2	861.9	880.3
-5°	609.4	637.0	664.2	693.6	724.4	756.1	786.5	812.4	834.2	853.6	872.0
-6.25°	602.3	629.9	656.1	684.4	714.1	744.7	775.1	802.3	824.1	843.4	860.8
-7.5°	594.1	621.0	646.7	673.3	701.8	731.1	760.5	788.2	811.5	831.0	848.0
-8.75°	584.5	610.4	636.2	661.4	688.1	715.8	743.9	771.4	796.1	816.2	833.3
-10°	574.0	598.8	624.3	648.1	672.9	699.0	725.4	751.7	777.0	798.8	816.2
-11.25°	562.4	586.0	610.4	634.4	657.3	681.3	705.9	730.4	754.4	777.0	796.1
-12.5°	549.3	572.6	595.6	619.0	641.2	663.0	685.6	708.2	730.4	751.7	771.4
-13.75°	535.0	558.2	580.1	602.1	624.2	644.6	664.9	685.6	705.9	725.4	743.9
-15°	519.3	542.4	564.1	584.7	605.3	626.0	644.6	663.0	681.3	699.0	715.8
-16.25°	501.4	525.2	546.8	567.0	586.2	605.3	624.2	641.2	657.3	672.9	688.1
-17.5°	481.4	506.1	528.1	548.3	567.0	584.7	602.1	619.0	634.4	648.1	661.4
-18.75°	459.0	484.8	507.7	528.1	546.8	564.1	580.1	595.6	610.4	624.3	636.2
-20°	431.3	461.0	484.8	506.1	525.2	542.4	558.2	572.6	586.0	598.8	610.4
-21.25°	405.5	431.3	459.0	481.4	501.4	519.3	535.0	549.3	562.4	574.0	584.5



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	380.4	403.9	427.4	453.1	474.7	493.5	510.1	524.6	537.6	549.1	559.4
-23.75°	354.9	377.3	398.9	420.6	443.3	464.8	482.1	497.5	511.2	522.8	533.0
-25°	328.9	350.4	371.2	391.1	410.6	429.8	449.9	467.2	481.5	494.0	504.6
-26.25°	304.9	323.3	343.0	362.1	380.3	397.5	414.3	430.5	447.0	461.7	472.8
-27.5°	280.9	298.6	315.6	332.8	350.2	366.6	382.1	396.4	410.1	422.7	434.9
-28.75°	257.1	273.6	289.9	305.5	320.3	335.5	350.3	364.0	376.5	387.9	398.2
-30°	235.2	249.7	263.9	278.9	293.1	306.5	319.0	331.4	343.4	354.3	364.0
-31.25°	213.0	227.0	240.4	253.1	265.7	278.5	290.5	301.6	311.7	320.9	329.7
-32.5°	192.8	204.3	217.0	229.2	240.8	251.6	261.8	272.4	282.1	290.9	298.8
-33.75°	173.5	184.6	195.1	205.1	216.1	226.6	236.3	245.3	253.5	260.9	268.3
-35°	154.9	164.6	174.8	184.4	193.5	202.0	210.7	219.3	227.2	234.3	240.6
-36.25°	139.7	147.6	155.2	163.5	172.3	180.5	188.1	195.1	201.5	207.6	213.6
-37.5°	124.3	131.9	139.2	146.1	152.6	158.8	166.1	172.8	179.0	184.5	189.4
-38.75°	110.5	116.9	123.1	129.8	136.0	141.8	147.3	152.2	156.8	161.7	166.4
-40°	97.1	103.2	109.0	114.5	119.6	124.9	130.1	134.9	139.3	143.2	146.7
-41.25°	83.0	89.3	95.0	100.2	105.2	109.9	114.2	118.1	121.7	125.5	128.9
-42.5°	68.2	74.3	80.1	85.6	90.7	95.2	99.3	103.1	106.6	109.7	112.5
-43.75°	53.6	59.2	64.8	70.1	75.1	79.7	84.0	87.9	91.4	94.4	97.1
-45°	40.5	45.5	50.2	54.7	59.3	63.7	67.8	71.6	75.1	78.2	80.9
-46.25°	27.3	32.1	36.7	40.9	45.0	48.7	52.2	55.4	58.6	61.6	64.2
-47.5°	20.6	22.7	24.6	27.2	31.0	34.6	38.0	41.0	43.8	46.3	48.5
-48.75°	14.7	16.7	18.5	20.3	21.9	23.5	24.9	26.6	29.3	31.7	33.8
-50°	12.3	12.4	12.5	14.1	15.7	17.2	18.5	19.8	20.9	21.9	22.8
-51.25°	11.9	12.0	12.1	12.2	12.3	12.4	12.5	13.4	14.5	15.5	16.3
-52.5°	11.5	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
-53.75°	11.1	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9
-55°	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
-56.25°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
-57.5°	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.6	10.7
-58.75°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3
-60°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.8	9.9
-61.25°	9.2	9.2	9.2	9.2	9.2	9.3	9.3	9.4	9.4	9.4	9.5
-62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-63.75°	9.0	9.0	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-65°	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1
-66.25°	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.6
-67.5°	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.2
-68.75°	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8
-70°	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4
-71.25°	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0
-72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-75°	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6
-76.25°	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2
-77.5°	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9
-80°	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.2
-81.25°	3.5	3.6	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7
-82.5°	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3
-83.75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9
-85°	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5
-86.25°	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6
85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
83.75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
81.25°	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
78.75°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
77.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
76.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
71.25°	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
70°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
68.75°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
67.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
66.25°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
65°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
63.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
61.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
60°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
58.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
57.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
56.25°	11.1	11.2	11.2	11.2	11.2	11.2	11.3	11.2	11.2	11.2	11.2
55°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
53.75°	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
52.5°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
51.25°	17.1	17.7	18.2	18.6	18.9	19.1	19.2	19.1	18.9	18.6	18.2
50°	23.6	24.3	24.8	25.3	25.6	25.7	25.8	25.7	25.6	25.3	24.8
48.75°	35.7	37.2	38.5	39.5	40.2	40.7	40.8	40.7	40.2	39.5	38.5
47.5°	50.4	52.1	53.4	54.5	55.2	55.7	55.8	55.7	55.2	54.5	53.4
46.25°	66.5	68.5	70.0	71.3	72.2	72.7	72.9	72.7	72.2	71.3	70.0
45°	83.3	85.4	87.0	88.3	89.3	89.8	90.0	89.8	89.3	88.3	87.0
43.75°	99.4	101.3	102.9	104.2	105.1	105.6	105.8	105.6	105.1	104.2	102.9
42.5°	114.9	116.9	118.6	119.9	120.8	121.4	121.6	121.4	120.8	119.9	118.6
41.25°	131.8	134.3	136.3	137.9	139.0	139.7	140.0	139.7	139.0	137.9	136.3
40°	149.8	152.4	154.5	156.2	157.3	158.1	158.3	158.1	157.3	156.2	154.5
38.75°	170.5	174.0	176.9	179.2	180.8	181.7	182.1	181.7	180.8	179.2	176.9
37.5°	193.7	197.4	200.4	202.8	204.5	205.5	205.8	205.5	204.5	202.8	200.4
36.25°	218.9	223.4	227.1	230.0	232.0	233.3	233.7	233.3	232.0	230.0	227.1
35°	246.1	250.8	254.7	257.7	259.9	261.2	261.6	261.2	259.9	257.7	254.7



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	274.8	280.4	285.0	288.6	291.2	292.7	293.3	292.7	291.2	288.6	285.0
32.5°	305.6	311.5	316.3	320.0	322.7	324.4	324.9	324.4	322.7	320.0	316.3
31.25°	337.8	344.8	350.5	354.9	358.1	360.1	360.7	360.1	358.1	354.9	350.5
30°	372.5	379.8	385.7	390.4	393.8	395.8	396.5	395.8	393.8	390.4	385.7
28.75°	407.6	415.6	422.2	427.4	431.7	434.2	435.1	434.2	431.7	427.4	422.2
27.5°	446.1	455.7	463.1	468.2	471.9	474.1	474.9	474.1	471.9	468.2	463.1
26.25°	482.6	490.7	497.0	502.0	505.5	507.6	508.4	507.6	505.5	502.0	497.0
25°	514.0	521.3	527.4	532.1	535.5	537.5	538.2	537.5	535.5	532.1	527.4
23.75°	541.8	549.2	555.3	560.1	563.4	565.4	566.1	565.4	563.4	560.1	555.3
22.5°	568.1	575.6	581.9	586.9	590.6	592.8	593.6	592.8	590.6	586.9	581.9
21.25°	594.1	602.3	609.4	615.0	619.0	621.5	622.3	621.5	619.0	615.0	609.4
20°	621.0	629.9	637.0	642.5	646.6	649.0	649.8	649.0	646.6	642.5	637.0
18.75°	646.7	656.1	664.2	670.6	675.4	678.3	679.4	678.3	675.4	670.6	664.2
17.5°	673.3	684.4	693.6	701.1	706.6	709.9	711.0	709.9	706.6	701.1	693.6
16.25°	701.8	714.1	724.4	732.8	739.0	742.7	743.9	742.7	739.0	732.8	724.4
15°	731.1	744.7	756.1	765.2	771.8	775.8	777.2	775.8	771.8	765.2	756.1
13.75°	760.5	775.1	786.5	795.5	802.0	805.3	806.4	805.3	802.0	795.5	786.5
12.5°	788.2	802.3	812.4	820.6	826.1	829.4	830.6	829.4	826.1	820.6	812.4
11.25°	811.5	824.1	834.2	842.2	847.7	851.1	852.2	851.1	847.7	842.2	834.2
10°	831.0	843.4	853.6	861.9	868.0	871.8	873.1	871.8	868.0	861.9	853.6
8.75°	848.0	860.8	872.0	880.3	886.5	890.0	891.1	890.0	886.5	880.3	872.0
7.5°	863.2	876.8	887.9	895.7	901.3	903.8	904.7	903.8	901.3	895.7	887.9
6.25°	876.8	890.1	900.5	906.5	909.3	909.9	910.1	909.9	909.3	906.5	900.5
5°	887.9	900.5	908.3	910.1	909.1	907.7	907.2	907.7	909.1	910.1	908.3
3.75°	895.7	906.5	910.1	908.2	903.9	900.1	898.6	900.1	903.9	908.2	910.1
2.5°	901.3	909.3	909.1	903.9	897.0	891.6	889.7	891.6	897.0	903.9	909.1
1.25°	903.8	909.9	907.7	900.1	891.6	886.0	885.1	886.0	891.6	900.1	907.7
0°	904.7	910.1	907.2	898.6	889.7	885.1	887.2	885.1	889.7	898.6	907.2
-1.25°	903.8	909.9	907.7	900.1	891.6	886.0	885.1	886.0	891.6	900.1	907.7
-2.5°	901.3	909.3	909.1	903.9	897.0	891.6	889.7	891.6	897.0	903.9	909.1
-3.75°	895.7	906.5	910.1	908.2	903.9	900.1	898.6	900.1	903.9	908.2	910.1
-5°	887.9	900.5	908.3	910.1	909.1	907.7	907.2	907.7	909.1	910.1	908.3
-6.25°	876.8	890.1	900.5	906.5	909.3	909.9	910.1	909.9	909.3	906.5	900.5
-7.5°	863.2	876.8	887.9	895.7	901.3	903.8	904.7	903.8	901.3	895.7	887.9
-8.75°	848.0	860.8	872.0	880.3	886.5	890.0	891.1	890.0	886.5	880.3	872.0
-10°	831.0	843.4	853.6	861.9	868.0	871.8	873.1	871.8	868.0	861.9	853.6
-11.25°	811.5	824.1	834.2	842.2	847.7	851.1	852.2	851.1	847.7	842.2	834.2
-12.5°	788.2	802.3	812.4	820.6	826.1	829.4	830.6	829.4	826.1	820.6	812.4
-13.75°	760.5	775.1	786.5	795.5	802.0	805.3	806.4	805.3	802.0	795.5	786.5
-15°	731.1	744.7	756.1	765.2	771.8	775.8	777.2	775.8	771.8	765.2	756.1
-16.25°	701.8	714.1	724.4	732.8	739.0	742.7	743.9	742.7	739.0	732.8	724.4
-17.5°	673.3	684.4	693.6	701.1	706.6	709.9	711.0	709.9	706.6	701.1	693.6
-18.75°	646.7	656.1	664.2	670.6	675.4	678.3	679.4	678.3	675.4	670.6	664.2
-20°	621.0	629.9	637.0	642.5	646.6	649.0	649.8	649.0	646.6	642.5	637.0
-21.25°	594.1	602.3	609.4	615.0	619.0	621.5	622.3	621.5	619.0	615.0	609.4



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	568.1	575.6	581.9	586.9	590.6	592.8	593.6	592.8	590.6	586.9	581.9
-23.75°	541.8	549.2	555.3	560.1	563.4	565.4	566.1	565.4	563.4	560.1	555.3
-25°	514.0	521.3	527.4	532.1	535.5	537.5	538.2	537.5	535.5	532.1	527.4
-26.25°	482.6	490.7	497.0	502.0	505.5	507.6	508.4	507.6	505.5	502.0	497.0
-27.5°	446.1	455.7	463.1	468.2	471.9	474.1	474.9	474.1	471.9	468.2	463.1
-28.75°	407.6	415.6	422.2	427.4	431.7	434.2	435.1	434.2	431.7	427.4	422.2
-30°	372.5	379.8	385.7	390.4	393.8	395.8	396.5	395.8	393.8	390.4	385.7
-31.25°	337.8	344.8	350.5	354.9	358.1	360.1	360.7	360.1	358.1	354.9	350.5
-32.5°	305.6	311.5	316.3	320.0	322.7	324.4	324.9	324.4	322.7	320.0	316.3
-33.75°	274.8	280.4	285.0	288.6	291.2	292.7	293.3	292.7	291.2	288.6	285.0
-35°	246.1	250.8	254.7	257.7	259.9	261.2	261.6	261.2	259.9	257.7	254.7
-36.25°	218.9	223.4	227.1	230.0	232.0	233.3	233.7	233.3	232.0	230.0	227.1
-37.5°	193.7	197.4	200.4	202.8	204.5	205.5	205.8	205.5	204.5	202.8	200.4
-38.75°	170.5	174.0	176.9	179.2	180.8	181.7	182.1	181.7	180.8	179.2	176.9
-40°	149.8	152.4	154.5	156.2	157.3	158.1	158.3	158.1	157.3	156.2	154.5
-41.25°	131.8	134.3	136.3	137.9	139.0	139.7	140.0	139.7	139.0	137.9	136.3
-42.5°	114.9	116.9	118.6	119.9	120.8	121.4	121.6	121.4	120.8	119.9	118.6
-43.75°	99.4	101.3	102.9	104.2	105.1	105.6	105.8	105.6	105.1	104.2	102.9
-45°	83.3	85.4	87.0	88.3	89.3	89.8	90.0	89.8	89.3	88.3	87.0
-46.25°	66.5	68.5	70.0	71.3	72.2	72.7	72.9	72.7	72.2	71.3	70.0
-47.5°	50.4	52.1	53.4	54.5	55.2	55.7	55.8	55.7	55.2	54.5	53.4
-48.75°	35.7	37.2	38.5	39.5	40.2	40.7	40.8	40.7	40.2	39.5	38.5
-50°	23.6	24.3	24.8	25.3	25.6	25.7	25.8	25.7	25.6	25.3	24.8
-51.25°	17.1	17.7	18.2	18.6	18.9	19.1	19.2	19.1	18.9	18.6	18.2
-52.5°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
-53.75°	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
-55°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
-56.25°	11.1	11.2	11.2	11.2	11.2	11.2	11.3	11.2	11.2	11.2	11.2
-57.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-58.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-60°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-61.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-63.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-65°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-66.25°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
-67.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
-68.75°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-70°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-71.25°	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
-72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-76.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
-77.5°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-81.25°	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7
-82.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-83.75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
-85°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.6
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
85°	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3
83.75°	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8
82.5°	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2
81.25°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
80°	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0
78.75°	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6
77.5°	5.8	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4
76.25°	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0
75°	6.7	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4
73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
71.25°	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8
70°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1
68.75°	7.9	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5
67.5°	8.3	8.2	8.2	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9
66.25°	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3
65°	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
63.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.1
62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
61.25°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.2
60°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.4
58.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	10.0	9.9	9.8
57.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2
56.25°	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
55°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.9
53.75°	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4
52.5°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
51.25°	17.7	17.1	16.3	15.5	14.5	13.4	12.5	12.4	12.3	12.2	12.1
50°	24.3	23.6	22.8	21.9	20.9	19.8	18.5	17.2	15.7	14.1	12.5
48.75°	37.2	35.7	33.8	31.7	29.3	26.6	24.9	23.5	21.9	20.3	18.5
47.5°	52.1	50.4	48.5	46.3	43.8	41.0	38.0	34.6	31.0	27.2	24.6
46.25°	68.5	66.5	64.2	61.6	58.6	55.4	52.2	48.7	45.0	40.9	36.7
45°	85.4	83.3	80.9	78.2	75.1	71.6	67.8	63.7	59.3	54.7	50.2
43.75°	101.3	99.4	97.1	94.4	91.4	87.9	84.0	79.7	75.1	70.1	64.8
42.5°	116.9	114.9	112.5	109.7	106.6	103.1	99.3	95.2	90.7	85.6	80.1
41.25°	134.3	131.8	128.9	125.5	121.7	118.1	114.2	109.9	105.2	100.2	95.0
40°	152.4	149.8	146.7	143.2	139.3	134.9	130.1	124.9	119.6	114.5	109.0
38.75°	174.0	170.5	166.4	161.7	156.8	152.2	147.3	141.8	136.0	129.8	123.1
37.5°	197.4	193.7	189.4	184.5	179.0	172.8	166.1	158.8	152.6	146.1	139.2
36.25°	223.4	218.9	213.6	207.6	201.5	195.1	188.1	180.5	172.3	163.5	155.2
35°	250.8	246.1	240.6	234.3	227.2	219.3	210.7	202.0	193.5	184.4	174.8



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	280.4	274.8	268.3	260.9	253.5	245.3	236.3	226.6	216.1	205.1	195.1
32.5°	311.5	305.6	298.8	290.9	282.1	272.4	261.8	251.6	240.8	229.2	217.0
31.25°	344.8	337.8	329.7	320.9	311.7	301.6	290.5	278.5	265.7	253.1	240.4
30°	379.8	372.5	364.0	354.3	343.4	331.4	319.0	306.5	293.1	278.9	263.9
28.75°	415.6	407.6	398.2	387.9	376.5	364.0	350.3	335.5	320.3	305.5	289.9
27.5°	455.7	446.1	434.9	422.7	410.1	396.4	382.1	366.6	350.2	332.8	315.6
26.25°	490.7	482.6	472.8	461.7	447.0	430.5	414.3	397.5	380.3	362.1	343.0
25°	521.3	514.0	504.6	494.0	481.5	467.2	449.9	429.8	410.6	391.1	371.2
23.75°	549.2	541.8	533.0	522.8	511.2	497.5	482.1	464.8	443.3	420.6	398.9
22.5°	575.6	568.1	559.4	549.1	537.6	524.6	510.1	493.5	474.7	453.1	427.4
21.25°	602.3	594.1	584.5	574.0	562.4	549.3	535.0	519.3	501.4	481.4	459.0
20°	629.9	621.0	610.4	598.8	586.0	572.6	558.2	542.4	525.2	506.1	484.8
18.75°	656.1	646.7	636.2	624.3	610.4	595.6	580.1	564.1	546.8	528.1	507.7
17.5°	684.4	673.3	661.4	648.1	634.4	619.0	602.1	584.7	567.0	548.3	528.1
16.25°	714.1	701.8	688.1	672.9	657.3	641.2	624.2	605.3	586.2	567.0	546.8
15°	744.7	731.1	715.8	699.0	681.3	663.0	644.6	626.0	605.3	584.7	564.1
13.75°	775.1	760.5	743.9	725.4	705.9	685.6	664.9	644.6	624.2	602.1	580.1
12.5°	802.3	788.2	771.4	751.7	730.4	708.2	685.6	663.0	641.2	619.0	595.6
11.25°	824.1	811.5	796.1	777.0	754.4	730.4	705.9	681.3	657.3	634.4	610.4
10°	843.4	831.0	816.2	798.8	777.0	751.7	725.4	699.0	672.9	648.1	624.3
8.75°	860.8	848.0	833.3	816.2	796.1	771.4	743.9	715.8	688.1	661.4	636.2
7.5°	876.8	863.2	848.0	831.0	811.5	788.2	760.5	731.1	701.8	673.3	646.7
6.25°	890.1	876.8	860.8	843.4	824.1	802.3	775.1	744.7	714.1	684.4	656.1
5°	900.5	887.9	872.0	853.6	834.2	812.4	786.5	756.1	724.4	693.6	664.2
3.75°	906.5	895.7	880.3	861.9	842.2	820.6	795.5	765.2	732.8	701.1	670.6
2.5°	909.3	901.3	886.5	868.0	847.7	826.1	802.0	771.8	739.0	706.6	675.4
1.25°	909.9	903.8	890.0	871.8	851.1	829.4	805.3	775.8	742.7	709.9	678.3
0°	910.1	904.7	891.1	873.1	852.2	830.6	806.4	777.2	743.9	711.0	679.4
-1.25°	909.9	903.8	890.0	871.8	851.1	829.4	805.3	775.8	742.7	709.9	678.3
-2.5°	909.3	901.3	886.5	868.0	847.7	826.1	802.0	771.8	739.0	706.6	675.4
-3.75°	906.5	895.7	880.3	861.9	842.2	820.6	795.5	765.2	732.8	701.1	670.6
-5°	900.5	887.9	872.0	853.6	834.2	812.4	786.5	756.1	724.4	693.6	664.2
-6.25°	890.1	876.8	860.8	843.4	824.1	802.3	775.1	744.7	714.1	684.4	656.1
-7.5°	876.8	863.2	848.0	831.0	811.5	788.2	760.5	731.1	701.8	673.3	646.7
-8.75°	860.8	848.0	833.3	816.2	796.1	771.4	743.9	715.8	688.1	661.4	636.2
-10°	843.4	831.0	816.2	798.8	777.0	751.7	725.4	699.0	672.9	648.1	624.3
-11.25°	824.1	811.5	796.1	777.0	754.4	730.4	705.9	681.3	657.3	634.4	610.4
-12.5°	802.3	788.2	771.4	751.7	730.4	708.2	685.6	663.0	641.2	619.0	595.6
-13.75°	775.1	760.5	743.9	725.4	705.9	685.6	664.9	644.6	624.2	602.1	580.1
-15°	744.7	731.1	715.8	699.0	681.3	663.0	644.6	626.0	605.3	584.7	564.1
-16.25°	714.1	701.8	688.1	672.9	657.3	641.2	624.2	605.3	586.2	567.0	546.8
-17.5°	684.4	673.3	661.4	648.1	634.4	619.0	602.1	584.7	567.0	548.3	528.1
-18.75°	656.1	646.7	636.2	624.3	610.4	595.6	580.1	564.1	546.8	528.1	507.7
-20°	629.9	621.0	610.4	598.8	586.0	572.6	558.2	542.4	525.2	506.1	484.8
-21.25°	602.3	594.1	584.5	574.0	562.4	549.3	535.0	519.3	501.4	481.4	459.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	575.6	568.1	559.4	549.1	537.6	524.6	510.1	493.5	474.7	453.1	427.4
-23.75°	549.2	541.8	533.0	522.8	511.2	497.5	482.1	464.8	443.3	420.6	398.9
-25°	521.3	514.0	504.6	494.0	481.5	467.2	449.9	429.8	410.6	391.1	371.2
-26.25°	490.7	482.6	472.8	461.7	447.0	430.5	414.3	397.5	380.3	362.1	343.0
-27.5°	455.7	446.1	434.9	422.7	410.1	396.4	382.1	366.6	350.2	332.8	315.6
-28.75°	415.6	407.6	398.2	387.9	376.5	364.0	350.3	335.5	320.3	305.5	289.9
-30°	379.8	372.5	364.0	354.3	343.4	331.4	319.0	306.5	293.1	278.9	263.9
-31.25°	344.8	337.8	329.7	320.9	311.7	301.6	290.5	278.5	265.7	253.1	240.4
-32.5°	311.5	305.6	298.8	290.9	282.1	272.4	261.8	251.6	240.8	229.2	217.0
-33.75°	280.4	274.8	268.3	260.9	253.5	245.3	236.3	226.6	216.1	205.1	195.1
-35°	250.8	246.1	240.6	234.3	227.2	219.3	210.7	202.0	193.5	184.4	174.8
-36.25°	223.4	218.9	213.6	207.6	201.5	195.1	188.1	180.5	172.3	163.5	155.2
-37.5°	197.4	193.7	189.4	184.5	179.0	172.8	166.1	158.8	152.6	146.1	139.2
-38.75°	174.0	170.5	166.4	161.7	156.8	152.2	147.3	141.8	136.0	129.8	123.1
-40°	152.4	149.8	146.7	143.2	139.3	134.9	130.1	124.9	119.6	114.5	109.0
-41.25°	134.3	131.8	128.9	125.5	121.7	118.1	114.2	109.9	105.2	100.2	95.0
-42.5°	116.9	114.9	112.5	109.7	106.6	103.1	99.3	95.2	90.7	85.6	80.1
-43.75°	101.3	99.4	97.1	94.4	91.4	87.9	84.0	79.7	75.1	70.1	64.8
-45°	85.4	83.3	80.9	78.2	75.1	71.6	67.8	63.7	59.3	54.7	50.2
-46.25°	68.5	66.5	64.2	61.6	58.6	55.4	52.2	48.7	45.0	40.9	36.7
-47.5°	52.1	50.4	48.5	46.3	43.8	41.0	38.0	34.6	31.0	27.2	24.6
-48.75°	37.2	35.7	33.8	31.7	29.3	26.6	24.9	23.5	21.9	20.3	18.5
-50°	24.3	23.6	22.8	21.9	20.9	19.8	18.5	17.2	15.7	14.1	12.5
-51.25°	17.7	17.1	16.3	15.5	14.5	13.4	12.5	12.4	12.3	12.2	12.1
-52.5°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
-53.75°	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4
-55°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.9
-56.25°	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
-57.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2
-58.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	10.0	9.9	9.8
-60°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.4
-61.25°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.2
-62.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-63.75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.1
-65°	9.1	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7
-66.25°	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3
-67.5°	8.3	8.2	8.2	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9
-68.75°	7.9	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5
-70°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1
-71.25°	7.1	7.0	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8
-72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-73.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-75°	6.7	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4
-76.25°	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0
-77.5°	5.8	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6
-80°	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0
-81.25°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6
-82.5°	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2
-83.75°	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8
-85°	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3
-86.25°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
85°	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
83.75°	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
82.5°	3.2	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9
81.25°	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3
80°	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
78.75°	4.6	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.1	4.0
77.5°	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5
76.25°	5.9	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2
75°	6.4	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.8
73.75°	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.3	6.2
72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6
71.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
70°	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.7
68.75°	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.8
67.5°	7.8	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.2	7.1
66.25°	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.5
65°	8.6	8.6	8.5	8.4	8.3	8.2	8.1	8.1	8.0	7.9	7.8
63.75°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
62.5°	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
61.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.1	8.9	8.8
60°	9.4	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
58.75°	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.2	9.2	9.2	9.2
57.5°	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.2
56.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
55°	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7
53.75°	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.3	10.1	10.0
52.5°	11.7	11.5	11.4	11.3	11.2	11.0	10.9	10.7	10.6	10.4	10.3
51.25°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.6
50°	12.4	12.3	12.2	12.0	11.9	11.8	11.6	11.4	11.3	11.1	10.9
48.75°	16.7	14.7	12.7	12.4	12.2	12.1	12.0	11.8	11.6	11.5	11.3
47.5°	22.7	20.6	18.5	16.2	13.9	12.4	12.3	12.1	12.0	11.8	11.6
46.25°	32.1	27.3	24.2	21.9	19.5	16.9	14.3	12.4	12.3	12.1	11.9
45°	45.5	40.5	35.3	29.8	25.0	22.4	19.7	16.8	13.9	12.4	12.2
43.75°	59.2	53.6	48.2	42.5	36.5	30.4	25.0	22.1	19.0	15.9	12.7
42.5°	74.3	68.2	61.7	55.1	48.9	42.5	35.9	29.0	24.1	20.9	17.5
41.25°	89.3	83.0	76.3	69.3	62.0	54.6	47.7	40.6	33.3	25.8	22.4
40°	103.2	97.1	90.6	83.4	75.9	68.1	60.0	52.1	44.5	36.7	28.8
38.75°	116.9	110.5	103.9	96.9	89.7	81.6	73.2	64.5	55.6	47.6	39.3
37.5°	131.9	124.3	117.0	109.8	102.3	94.6	86.2	77.3	68.1	58.6	49.8
36.25°	147.6	139.7	131.3	122.7	114.8	106.8	98.5	89.9	80.4	70.7	60.7
35°	164.6	154.9	146.3	137.3	128.0	118.8	110.2	101.4	92.4	82.5	72.2



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

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	184.6	173.5	161.9	151.8	142.2	132.2	121.9	112.8	103.4	93.8	83.5
32.5°	204.3	192.8	180.8	168.4	156.1	145.8	135.2	124.3	114.3	104.4	94.3
31.25°	227.0	213.0	199.5	186.6	173.3	159.5	148.3	137.0	125.5	114.8	104.4
30°	249.7	235.2	220.1	204.6	190.8	176.6	161.9	149.5	137.6	125.5	114.3
28.75°	273.6	257.1	241.4	225.2	208.4	193.3	178.2	162.7	149.5	137.0	124.3
27.5°	298.6	280.9	262.5	245.6	228.2	210.4	194.1	178.2	161.9	148.3	135.2
26.25°	323.3	304.9	285.8	266.1	247.6	229.2	210.4	193.3	176.6	159.5	145.8
25°	350.4	328.9	308.6	288.3	267.3	247.6	228.2	208.4	190.8	173.3	156.1
23.75°	377.3	354.9	331.8	309.9	288.3	266.1	245.6	225.2	204.6	186.6	168.4
22.5°	403.9	380.4	356.4	331.8	308.6	285.8	262.5	241.4	220.1	199.5	180.8
21.25°	431.3	405.5	380.4	354.9	328.9	304.9	280.9	257.1	235.2	213.0	192.8
20°	461.0	431.3	403.9	377.3	350.4	323.3	298.6	273.6	249.7	227.0	204.3
18.75°	484.8	459.0	427.4	398.9	371.2	343.0	315.6	289.9	263.9	240.4	217.0
17.5°	506.1	481.4	453.1	420.6	391.1	362.1	332.8	305.5	278.9	253.1	229.2
16.25°	525.2	501.4	474.7	443.3	410.6	380.3	350.2	320.3	293.1	265.7	240.8
15°	542.4	519.3	493.5	464.8	429.8	397.5	366.6	335.5	306.5	278.5	251.6
13.75°	558.2	535.0	510.1	482.1	449.9	414.3	382.1	350.3	319.0	290.5	261.8
12.5°	572.6	549.3	524.6	497.5	467.2	430.5	396.4	364.0	331.4	301.6	272.4
11.25°	586.0	562.4	537.6	511.2	481.5	447.0	410.1	376.5	343.4	311.7	282.1
10°	598.8	574.0	549.1	522.8	494.0	461.7	422.7	387.9	354.3	320.9	290.9
8.75°	610.4	584.5	559.4	533.0	504.6	472.8	434.9	398.2	364.0	329.7	298.8
7.5°	621.0	594.1	568.1	541.8	514.0	482.6	446.1	407.6	372.5	337.8	305.6
6.25°	629.9	602.3	575.6	549.2	521.3	490.7	455.7	415.6	379.8	344.8	311.5
5°	637.0	609.4	581.9	555.3	527.4	497.0	463.1	422.2	385.7	350.5	316.3
3.75°	642.5	615.0	586.9	560.1	532.1	502.0	468.2	427.4	390.4	354.9	320.0
2.5°	646.6	619.0	590.6	563.4	535.5	505.5	471.9	431.7	393.8	358.1	322.7
1.25°	649.0	621.5	592.8	565.4	537.5	507.6	474.1	434.2	395.8	360.1	324.4
0°	649.8	622.3	593.6	566.1	538.2	508.4	474.9	435.1	396.5	360.7	324.9
-1.25°	649.0	621.5	592.8	565.4	537.5	507.6	474.1	434.2	395.8	360.1	324.4
-2.5°	646.6	619.0	590.6	563.4	535.5	505.5	471.9	431.7	393.8	358.1	322.7
-3.75°	642.5	615.0	586.9	560.1	532.1	502.0	468.2	427.4	390.4	354.9	320.0
-5°	637.0	609.4	581.9	555.3	527.4	497.0	463.1	422.2	385.7	350.5	316.3
-6.25°	629.9	602.3	575.6	549.2	521.3	490.7	455.7	415.6	379.8	344.8	311.5
-7.5°	621.0	594.1	568.1	541.8	514.0	482.6	446.1	407.6	372.5	337.8	305.6
-8.75°	610.4	584.5	559.4	533.0	504.6	472.8	434.9	398.2	364.0	329.7	298.8
-10°	598.8	574.0	549.1	522.8	494.0	461.7	422.7	387.9	354.3	320.9	290.9
-11.25°	586.0	562.4	537.6	511.2	481.5	447.0	410.1	376.5	343.4	311.7	282.1
-12.5°	572.6	549.3	524.6	497.5	467.2	430.5	396.4	364.0	331.4	301.6	272.4
-13.75°	558.2	535.0	510.1	482.1	449.9	414.3	382.1	350.3	319.0	290.5	261.8
-15°	542.4	519.3	493.5	464.8	429.8	397.5	366.6	335.5	306.5	278.5	251.6
-16.25°	525.2	501.4	474.7	443.3	410.6	380.3	350.2	320.3	293.1	265.7	240.8
-17.5°	506.1	481.4	453.1	420.6	391.1	362.1	332.8	305.5	278.9	253.1	229.2
-18.75°	484.8	459.0	427.4	398.9	371.2	343.0	315.6	289.9	263.9	240.4	217.0
-20°	461.0	431.3	403.9	377.3	350.4	323.3	298.6	273.6	249.7	227.0	204.3
-21.25°	431.3	405.5	380.4	354.9	328.9	304.9	280.9	257.1	235.2	213.0	192.8



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	403.9	380.4	356.4	331.8	308.6	285.8	262.5	241.4	220.1	199.5	180.8
-23.75°	377.3	354.9	331.8	309.9	288.3	266.1	245.6	225.2	204.6	186.6	168.4
-25°	350.4	328.9	308.6	288.3	267.3	247.6	228.2	208.4	190.8	173.3	156.1
-26.25°	323.3	304.9	285.8	266.1	247.6	229.2	210.4	193.3	176.6	159.5	145.8
-27.5°	298.6	280.9	262.5	245.6	228.2	210.4	194.1	178.2	161.9	148.3	135.2
-28.75°	273.6	257.1	241.4	225.2	208.4	193.3	178.2	162.7	149.5	137.0	124.3
-30°	249.7	235.2	220.1	204.6	190.8	176.6	161.9	149.5	137.6	125.5	114.3
-31.25°	227.0	213.0	199.5	186.6	173.3	159.5	148.3	137.0	125.5	114.8	104.4
-32.5°	204.3	192.8	180.8	168.4	156.1	145.8	135.2	124.3	114.3	104.4	94.3
-33.75°	184.6	173.5	161.9	151.8	142.2	132.2	121.9	112.8	103.4	93.8	83.5
-35°	164.6	154.9	146.3	137.3	128.0	118.8	110.2	101.4	92.4	82.5	72.2
-36.25°	147.6	139.7	131.3	122.7	114.8	106.8	98.5	89.9	80.4	70.7	60.7
-37.5°	131.9	124.3	117.0	109.8	102.3	94.6	86.2	77.3	68.1	58.6	49.8
-38.75°	116.9	110.5	103.9	96.9	89.7	81.6	73.2	64.5	55.6	47.6	39.3
-40°	103.2	97.1	90.6	83.4	75.9	68.1	60.0	52.1	44.5	36.7	28.8
-41.25°	89.3	83.0	76.3	69.3	62.0	54.6	47.7	40.6	33.3	25.8	22.4
-42.5°	74.3	68.2	61.7	55.1	48.9	42.5	35.9	29.0	24.1	20.9	17.5
-43.75°	59.2	53.6	48.2	42.5	36.5	30.4	25.0	22.1	19.0	15.9	12.7
-45°	45.5	40.5	35.3	29.8	25.0	22.4	19.7	16.8	13.9	12.4	12.2
-46.25°	32.1	27.3	24.2	21.9	19.5	16.9	14.3	12.4	12.3	12.1	11.9
-47.5°	22.7	20.6	18.5	16.2	13.9	12.4	12.3	12.1	12.0	11.8	11.6
-48.75°	16.7	14.7	12.7	12.4	12.2	12.1	12.0	11.8	11.6	11.5	11.3
-50°	12.4	12.3	12.2	12.0	11.9	11.8	11.6	11.4	11.3	11.1	10.9
-51.25°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.6
-52.5°	11.7	11.5	11.4	11.3	11.2	11.0	10.9	10.7	10.6	10.4	10.3
-53.75°	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.3	10.1	10.0
-55°	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7
-56.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
-57.5°	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.2
-58.75°	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.2	9.2	9.2	9.2
-60°	9.4	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-61.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.1	8.9	8.8
-62.5°	9.2	9.2	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
-63.75°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-65°	8.6	8.6	8.5	8.4	8.3	8.2	8.1	8.1	8.0	7.9	7.8
-66.25°	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.5
-67.5°	7.8	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.2	7.1
-68.75°	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.8
-70°	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7	6.7
-71.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-72.5°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6
-73.75°	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.3	6.2
-75°	6.4	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0	5.9	5.8
-76.25°	5.9	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2
-77.5°	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	4.6	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.1	4.1	4.0
-80°	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
-81.25°	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3
-82.5°	3.2	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9
-83.75°	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
-85°	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
-86.25°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	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):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
85°	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.4
83.75°	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0
82.5°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
81.25°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
80°	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
78.75°	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5	3.4
77.5°	4.4	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.8	3.7
76.25°	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	4.0
75°	5.8	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4
73.75°	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.1	4.9
72.5°	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5
71.25°	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9
70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.3	6.2
68.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5
67.5°	7.0	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7
66.25°	7.4	7.3	7.2	7.1	7.0	6.9	6.7	6.7	6.7	6.7	6.7
65°	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.8	6.7	6.7
63.75°	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.2	7.1	6.9	6.8
62.5°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.1
61.25°	8.7	8.6	8.4	8.3	8.2	8.0	7.9	7.7	7.6	7.5	7.3
60°	9.0	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.6
58.75°	9.2	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8
57.5°	9.2	9.2	9.2	9.2	9.1	8.9	8.8	8.6	8.4	8.2	8.1
56.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.1	8.9	8.7	8.5	8.3
55°	9.5	9.4	9.2	9.2	9.2	9.2	9.2	9.2	9.0	8.8	8.6
53.75°	9.8	9.7	9.5	9.4	9.2	9.2	9.2	9.2	9.2	9.1	8.9
52.5°	10.1	10.0	9.8	9.6	9.5	9.3	9.2	9.2	9.2	9.2	9.2
51.25°	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.2	9.2	9.2
50°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.3	9.2	9.2
48.75°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.2
47.5°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3
46.25°	11.7	11.5	11.3	11.1	10.8	10.6	10.4	10.2	10.0	9.8	9.5
45°	12.0	11.8	11.6	11.4	11.1	10.9	10.7	10.5	10.2	10.0	9.8
43.75°	12.3	12.1	11.9	11.7	11.4	11.2	10.9	10.7	10.5	10.2	10.0
42.5°	14.1	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.5	10.2
41.25°	18.8	15.2	12.4	12.2	12.0	11.8	11.5	11.2	10.9	10.7	10.4
40°	23.5	19.8	16.0	12.5	12.2	12.0	11.8	11.5	11.2	10.9	10.6
38.75°	30.9	24.2	20.3	16.3	12.5	12.2	12.0	11.7	11.4	11.1	10.8
37.5°	41.1	32.2	24.6	20.5	16.3	12.5	12.2	12.0	11.7	11.4	11.1
36.25°	51.1	41.9	32.6	24.6	20.3	16.0	12.4	12.2	11.9	11.6	11.3
35°	61.7	51.5	41.9	32.2	24.2	19.8	15.2	12.4	12.1	11.8	11.5

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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	72.7	61.7	51.1	41.1	30.9	23.5	18.8	14.1	12.3	12.0	11.7
32.5°	83.5	72.2	60.7	49.8	39.3	28.8	22.4	17.5	12.7	12.2	11.9
31.25°	93.8	82.5	70.7	58.6	47.6	36.7	25.8	20.9	15.9	12.4	12.1
30°	103.4	92.4	80.4	68.1	55.6	44.5	33.3	24.1	19.0	13.9	12.3
28.75°	112.8	101.4	89.9	77.3	64.5	52.1	40.6	29.0	22.1	16.8	12.4
27.5°	121.9	110.2	98.5	86.2	73.2	60.0	47.7	35.9	25.0	19.7	14.3
26.25°	132.2	118.8	106.8	94.6	81.6	68.1	54.6	42.5	30.4	22.4	16.9
25°	142.2	128.0	114.8	102.3	89.7	75.9	62.0	48.9	36.5	25.0	19.5
23.75°	151.8	137.3	122.7	109.8	96.9	83.4	69.3	55.1	42.5	29.8	21.9
22.5°	161.9	146.3	131.3	117.0	103.9	90.6	76.3	61.7	48.2	35.3	24.2
21.25°	173.5	154.9	139.7	124.3	110.5	97.1	83.0	68.2	53.6	40.5	27.3
20°	184.6	164.6	147.6	131.9	116.9	103.2	89.3	74.3	59.2	45.5	32.1
18.75°	195.1	174.8	155.2	139.2	123.1	109.0	95.0	80.1	64.8	50.2	36.7
17.5°	205.1	184.4	163.5	146.1	129.8	114.5	100.2	85.6	70.1	54.7	40.9
16.25°	216.1	193.5	172.3	152.6	136.0	119.6	105.2	90.7	75.1	59.3	45.0
15°	226.6	202.0	180.5	158.8	141.8	124.9	109.9	95.2	79.7	63.7	48.7
13.75°	236.3	210.7	188.1	166.1	147.3	130.1	114.2	99.3	84.0	67.8	52.2
12.5°	245.3	219.3	195.1	172.8	152.2	134.9	118.1	103.1	87.9	71.6	55.4
11.25°	253.5	227.2	201.5	179.0	156.8	139.3	121.7	106.6	91.4	75.1	58.6
10°	260.9	234.3	207.6	184.5	161.7	143.2	125.5	109.7	94.4	78.2	61.6
8.75°	268.3	240.6	213.6	189.4	166.4	146.7	128.9	112.5	97.1	80.9	64.2
7.5°	274.8	246.1	218.9	193.7	170.5	149.8	131.8	114.9	99.4	83.3	66.5
6.25°	280.4	250.8	223.4	197.4	174.0	152.4	134.3	116.9	101.3	85.4	68.5
5°	285.0	254.7	227.1	200.4	176.9	154.5	136.3	118.6	102.9	87.0	70.0
3.75°	288.6	257.7	230.0	202.8	179.2	156.2	137.9	119.9	104.2	88.3	71.3
2.5°	291.2	259.9	232.0	204.5	180.8	157.3	139.0	120.8	105.1	89.3	72.2
1.25°	292.7	261.2	233.3	205.5	181.7	158.1	139.7	121.4	105.6	89.8	72.7
0°	293.3	261.6	233.7	205.8	182.1	158.3	140.0	121.6	105.8	90.0	72.9
-1.25°	292.7	261.2	233.3	205.5	181.7	158.1	139.7	121.4	105.6	89.8	72.7
-2.5°	291.2	259.9	232.0	204.5	180.8	157.3	139.0	120.8	105.1	89.3	72.2
-3.75°	288.6	257.7	230.0	202.8	179.2	156.2	137.9	119.9	104.2	88.3	71.3
-5°	285.0	254.7	227.1	200.4	176.9	154.5	136.3	118.6	102.9	87.0	70.0
-6.25°	280.4	250.8	223.4	197.4	174.0	152.4	134.3	116.9	101.3	85.4	68.5
-7.5°	274.8	246.1	218.9	193.7	170.5	149.8	131.8	114.9	99.4	83.3	66.5
-8.75°	268.3	240.6	213.6	189.4	166.4	146.7	128.9	112.5	97.1	80.9	64.2
-10°	260.9	234.3	207.6	184.5	161.7	143.2	125.5	109.7	94.4	78.2	61.6
-11.25°	253.5	227.2	201.5	179.0	156.8	139.3	121.7	106.6	91.4	75.1	58.6
-12.5°	245.3	219.3	195.1	172.8	152.2	134.9	118.1	103.1	87.9	71.6	55.4
-13.75°	236.3	210.7	188.1	166.1	147.3	130.1	114.2	99.3	84.0	67.8	52.2
-15°	226.6	202.0	180.5	158.8	141.8	124.9	109.9	95.2	79.7	63.7	48.7
-16.25°	216.1	193.5	172.3	152.6	136.0	119.6	105.2	90.7	75.1	59.3	45.0
-17.5°	205.1	184.4	163.5	146.1	129.8	114.5	100.2	85.6	70.1	54.7	40.9
-18.75°	195.1	174.8	155.2	139.2	123.1	109.0	95.0	80.1	64.8	50.2	36.7
-20°	184.6	164.6	147.6	131.9	116.9	103.2	89.3	74.3	59.2	45.5	32.1
-21.25°	173.5	154.9	139.7	124.3	110.5	97.1	83.0	68.2	53.6	40.5	27.3



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	161.9	146.3	131.3	117.0	103.9	90.6	76.3	61.7	48.2	35.3	24.2
-23.75°	151.8	137.3	122.7	109.8	96.9	83.4	69.3	55.1	42.5	29.8	21.9
-25°	142.2	128.0	114.8	102.3	89.7	75.9	62.0	48.9	36.5	25.0	19.5
-26.25°	132.2	118.8	106.8	94.6	81.6	68.1	54.6	42.5	30.4	22.4	16.9
-27.5°	121.9	110.2	98.5	86.2	73.2	60.0	47.7	35.9	25.0	19.7	14.3
-28.75°	112.8	101.4	89.9	77.3	64.5	52.1	40.6	29.0	22.1	16.8	12.4
-30°	103.4	92.4	80.4	68.1	55.6	44.5	33.3	24.1	19.0	13.9	12.3
-31.25°	93.8	82.5	70.7	58.6	47.6	36.7	25.8	20.9	15.9	12.4	12.1
-32.5°	83.5	72.2	60.7	49.8	39.3	28.8	22.4	17.5	12.7	12.2	11.9
-33.75°	72.7	61.7	51.1	41.1	30.9	23.5	18.8	14.1	12.3	12.0	11.7
-35°	61.7	51.5	41.9	32.2	24.2	19.8	15.2	12.4	12.1	11.8	11.5
-36.25°	51.1	41.9	32.6	24.6	20.3	16.0	12.4	12.2	11.9	11.6	11.3
-37.5°	41.1	32.2	24.6	20.5	16.3	12.5	12.2	12.0	11.7	11.4	11.1
-38.75°	30.9	24.2	20.3	16.3	12.5	12.2	12.0	11.7	11.4	11.1	10.8
-40°	23.5	19.8	16.0	12.5	12.2	12.0	11.8	11.5	11.2	10.9	10.6
-41.25°	18.8	15.2	12.4	12.2	12.0	11.8	11.5	11.2	10.9	10.7	10.4
-42.5°	14.1	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.5	10.2
-43.75°	12.3	12.1	11.9	11.7	11.4	11.2	10.9	10.7	10.5	10.2	10.0
-45°	12.0	11.8	11.6	11.4	11.1	10.9	10.7	10.5	10.2	10.0	9.8
-46.25°	11.7	11.5	11.3	11.1	10.8	10.6	10.4	10.2	10.0	9.8	9.5
-47.5°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3
-48.75°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.2
-50°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.3	9.2	9.2
-51.25°	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.2	9.2	9.2
-52.5°	10.1	10.0	9.8	9.6	9.5	9.3	9.2	9.2	9.2	9.2	9.2
-53.75°	9.8	9.7	9.5	9.4	9.2	9.2	9.2	9.2	9.2	9.1	8.9
-55°	9.5	9.4	9.2	9.2	9.2	9.2	9.2	9.2	9.0	8.8	8.6
-56.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.1	8.9	8.7	8.5	8.3
-57.5°	9.2	9.2	9.2	9.2	9.1	8.9	8.8	8.6	8.4	8.2	8.1
-58.75°	9.2	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8
-60°	9.0	8.9	8.8	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.6
-61.25°	8.7	8.6	8.4	8.3	8.2	8.0	7.9	7.7	7.6	7.5	7.3
-62.5°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.1
-63.75°	8.0	7.9	7.8	7.7	7.6	7.4	7.3	7.2	7.1	6.9	6.8
-65°	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9	6.8	6.7	6.7
-66.25°	7.4	7.3	7.2	7.1	7.0	6.9	6.7	6.7	6.7	6.7	6.7
-67.5°	7.0	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-68.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5
-70°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.3	6.2
-71.25°	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9
-72.5°	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5
-73.75°	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.1	4.9
-75°	5.8	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4
-76.25°	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	4.0
-77.5°	4.4	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.8	3.7



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5	3.4
-80°	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
-81.25°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
-82.5°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
-83.75°	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1	2.0
-85°	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.4
-86.25°	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	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):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
85°	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.9	0.8
83.75°	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2
82.5°	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6
81.25°	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.1
80°	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5
78.75°	3.3	3.3	3.2	3.1	3.1	3.0	3.0	2.9	2.8	2.8	2.7
77.5°	3.6	3.6	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9
76.25°	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1
75°	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3
73.75°	4.8	4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.5
72.5°	5.3	5.1	4.9	4.7	4.6	4.4	4.2	4.1	3.9	3.8	3.7
71.25°	5.8	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9
70°	6.1	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.1
68.75°	6.4	6.3	6.1	6.0	5.9	5.7	5.5	5.2	5.0	4.7	4.5
67.5°	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.7	5.4	5.1	4.9
66.25°	6.7	6.7	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.5	5.2
65°	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.0	5.9	5.6
63.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.2	6.1	5.9
62.5°	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.1
61.25°	7.2	7.0	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3
60°	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.5
58.75°	7.7	7.5	7.3	7.2	7.0	6.8	6.7	6.7	6.7	6.7	6.7
57.5°	7.9	7.7	7.6	7.4	7.2	7.0	6.8	6.7	6.7	6.7	6.7
56.25°	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.7	6.7	6.7
55°	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.7	6.7
53.75°	8.7	8.5	8.2	8.1	7.9	7.6	7.4	7.2	7.0	6.8	6.7
52.5°	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.8
51.25°	9.2	9.0	8.7	8.5	8.3	8.1	7.8	7.6	7.4	7.2	6.9
50°	9.2	9.2	9.0	8.7	8.5	8.2	8.0	7.8	7.6	7.3	7.1
48.75°	9.2	9.2	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.5	7.3
47.5°	9.2	9.2	9.2	9.2	8.9	8.7	8.4	8.2	7.9	7.7	7.4
46.25°	9.3	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.1	7.8	7.6
45°	9.5	9.3	9.2	9.2	9.2	9.1	8.8	8.5	8.2	8.0	7.7
43.75°	9.7	9.5	9.3	9.2	9.2	9.2	9.0	8.7	8.4	8.1	7.9
42.5°	10.0	9.7	9.5	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.0
41.25°	10.2	9.9	9.6	9.4	9.2	9.2	9.2	9.1	8.8	8.5	8.2
40°	10.4	10.1	9.8	9.6	9.3	9.2	9.2	9.2	8.9	8.6	8.3
38.75°	10.6	10.3	10.0	9.8	9.5	9.2	9.2	9.2	9.1	8.8	8.5
37.5°	10.8	10.5	10.2	9.9	9.6	9.4	9.2	9.2	9.2	8.9	8.6
36.25°	11.0	10.7	10.4	10.1	9.8	9.5	9.2	9.2	9.2	9.1	8.8
35°	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.2	9.2	9.2	8.9



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

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.2	9.2	9.2	9.0
32.5°	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.2	9.2	9.2
31.25°	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.2	9.2	9.2
30°	12.0	11.6	11.3	10.9	10.6	10.3	9.9	9.6	9.3	9.2	9.2
28.75°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.2	9.2
27.5°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.8	9.5	9.2	9.2
26.25°	12.4	12.1	11.8	11.4	11.0	10.6	10.3	10.0	9.6	9.3	9.2
25°	13.9	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.4	9.2
23.75°	16.2	12.4	12.0	11.7	11.3	10.9	10.5	10.2	9.8	9.5	9.2
22.5°	18.5	12.7	12.2	11.8	11.4	11.0	10.6	10.3	9.9	9.6	9.2
21.25°	20.6	14.7	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3
20°	22.7	16.7	12.4	12.0	11.7	11.3	10.8	10.5	10.1	9.7	9.4
18.75°	24.6	18.5	12.5	12.1	11.8	11.4	10.9	10.6	10.2	9.8	9.4
17.5°	27.2	20.3	14.1	12.2	11.9	11.5	11.0	10.6	10.3	9.9	9.5
16.25°	31.0	21.9	15.7	12.3	11.9	11.6	11.1	10.7	10.3	10.0	9.6
15°	34.6	23.5	17.2	12.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
13.75°	38.0	24.9	18.5	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.7
12.5°	41.0	26.6	19.8	13.4	12.2	11.8	11.4	10.9	10.5	10.1	9.8
11.25°	43.8	29.3	20.9	14.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
10°	46.3	31.7	21.9	15.5	12.3	11.9	11.5	11.0	10.6	10.2	9.8
8.75°	48.5	33.8	22.8	16.3	12.3	11.9	11.5	11.1	10.7	10.3	9.9
7.5°	50.4	35.7	23.6	17.1	12.4	12.0	11.6	11.1	10.7	10.3	9.9
6.25°	52.1	37.2	24.3	17.7	12.4	12.0	11.6	11.2	10.7	10.3	9.9
5°	53.4	38.5	24.8	18.2	12.4	12.0	11.6	11.2	10.8	10.4	10.0
3.75°	54.5	39.5	25.3	18.6	12.5	12.1	11.7	11.2	10.8	10.4	10.0
2.5°	55.2	40.2	25.6	18.9	12.5	12.1	11.7	11.2	10.8	10.4	10.0
1.25°	55.7	40.7	25.7	19.1	12.5	12.1	11.7	11.2	10.8	10.4	10.0
0°	55.8	40.8	25.8	19.2	12.5	12.1	11.7	11.3	10.8	10.4	10.0
-1.25°	55.7	40.7	25.7	19.1	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-2.5°	55.2	40.2	25.6	18.9	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-3.75°	54.5	39.5	25.3	18.6	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-5°	53.4	38.5	24.8	18.2	12.4	12.0	11.6	11.2	10.8	10.4	10.0
-6.25°	52.1	37.2	24.3	17.7	12.4	12.0	11.6	11.2	10.7	10.3	9.9
-7.5°	50.4	35.7	23.6	17.1	12.4	12.0	11.6	11.1	10.7	10.3	9.9
-8.75°	48.5	33.8	22.8	16.3	12.3	11.9	11.5	11.1	10.7	10.3	9.9
-10°	46.3	31.7	21.9	15.5	12.3	11.9	11.5	11.0	10.6	10.2	9.8
-11.25°	43.8	29.3	20.9	14.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-12.5°	41.0	26.6	19.8	13.4	12.2	11.8	11.4	10.9	10.5	10.1	9.8
-13.75°	38.0	24.9	18.5	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.7
-15°	34.6	23.5	17.2	12.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-16.25°	31.0	21.9	15.7	12.3	11.9	11.6	11.1	10.7	10.3	10.0	9.6
-17.5°	27.2	20.3	14.1	12.2	11.9	11.5	11.0	10.6	10.3	9.9	9.5
-18.75°	24.6	18.5	12.5	12.1	11.8	11.4	10.9	10.6	10.2	9.8	9.4
-20°	22.7	16.7	12.4	12.0	11.7	11.3	10.8	10.5	10.1	9.7	9.4
-21.25°	20.6	14.7	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	18.5	12.7	12.2	11.8	11.4	11.0	10.6	10.3	9.9	9.6	9.2
-23.75°	16.2	12.4	12.0	11.7	11.3	10.9	10.5	10.2	9.8	9.5	9.2
-25°	13.9	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.4	9.2
-26.25°	12.4	12.1	11.8	11.4	11.0	10.6	10.3	10.0	9.6	9.3	9.2
-27.5°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.8	9.5	9.2	9.2
-28.75°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.2	9.2
-30°	12.0	11.6	11.3	10.9	10.6	10.3	9.9	9.6	9.3	9.2	9.2
-31.25°	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.2	9.2	9.2
-32.5°	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.2	9.2	9.2
-33.75°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.2	9.2	9.2	9.0
-35°	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.2	9.2	9.2	8.9
-36.25°	11.0	10.7	10.4	10.1	9.8	9.5	9.2	9.2	9.2	9.1	8.8
-37.5°	10.8	10.5	10.2	9.9	9.6	9.4	9.2	9.2	9.2	8.9	8.6
-38.75°	10.6	10.3	10.0	9.8	9.5	9.2	9.2	9.2	9.1	8.8	8.5
-40°	10.4	10.1	9.8	9.6	9.3	9.2	9.2	9.2	8.9	8.6	8.3
-41.25°	10.2	9.9	9.6	9.4	9.2	9.2	9.2	9.1	8.8	8.5	8.2
-42.5°	10.0	9.7	9.5	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.0
-43.75°	9.7	9.5	9.3	9.2	9.2	9.2	9.0	8.7	8.4	8.1	7.9
-45°	9.5	9.3	9.2	9.2	9.2	9.1	8.8	8.5	8.2	8.0	7.7
-46.25°	9.3	9.2	9.2	9.2	9.2	8.9	8.6	8.3	8.1	7.8	7.6
-47.5°	9.2	9.2	9.2	9.2	8.9	8.7	8.4	8.2	7.9	7.7	7.4
-48.75°	9.2	9.2	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.5	7.3
-50°	9.2	9.2	9.0	8.7	8.5	8.2	8.0	7.8	7.6	7.3	7.1
-51.25°	9.2	9.0	8.7	8.5	8.3	8.1	7.8	7.6	7.4	7.2	6.9
-52.5°	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.8
-53.75°	8.7	8.5	8.2	8.1	7.9	7.6	7.4	7.2	7.0	6.8	6.7
-55°	8.4	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.8	6.7	6.7
-56.25°	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.7	6.7	6.7
-57.5°	7.9	7.7	7.6	7.4	7.2	7.0	6.8	6.7	6.7	6.7	6.7
-58.75°	7.7	7.5	7.3	7.2	7.0	6.8	6.7	6.7	6.7	6.7	6.7
-60°	7.4	7.3	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.5
-61.25°	7.2	7.0	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3
-62.5°	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.1
-63.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.4	6.2	6.1	5.9
-65°	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.0	5.9	5.6
-66.25°	6.7	6.7	6.7	6.6	6.4	6.3	6.1	6.0	5.8	5.5	5.2
-67.5°	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.7	5.4	5.1	4.9
-68.75°	6.4	6.3	6.1	6.0	5.9	5.7	5.5	5.2	5.0	4.7	4.5
-70°	6.1	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.1
-71.25°	5.8	5.6	5.4	5.2	5.0	4.8	4.6	4.4	4.2	4.1	3.9
-72.5°	5.3	5.1	4.9	4.7	4.6	4.4	4.2	4.1	3.9	3.8	3.7
-73.75°	4.8	4.6	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.5
-75°	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3
-76.25°	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.2	3.1
-77.5°	3.6	3.6	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	3.3	3.3	3.2	3.1	3.1	3.0	3.0	2.9	2.8	2.8	2.7
-80°	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.6	2.5
-81.25°	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.4	2.3	2.2	2.1
-82.5°	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6
-83.75°	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2
-85°	1.4	1.3	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.9	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	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):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
83.75°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	1.5	1.4	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7	0.7
81.25°	2.0	1.8	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.8
80°	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0
78.75°	2.6	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.2
77.5°	2.8	2.7	2.7	2.6	2.5	2.3	2.2	2.0	1.8	1.6	1.5
76.25°	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.3	2.1	1.9	1.7
75°	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.1	1.9
73.75°	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.2
72.5°	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4
71.25°	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6
70°	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0	2.9	2.8	2.7
68.75°	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.8
67.5°	4.6	4.3	4.1	4.0	3.8	3.6	3.5	3.3	3.2	3.0	2.9
66.25°	4.9	4.7	4.4	4.1	4.0	3.8	3.6	3.5	3.3	3.1	3.0
65°	5.3	5.0	4.7	4.4	4.1	4.0	3.8	3.6	3.4	3.2	3.1
63.75°	5.7	5.3	5.0	4.7	4.4	4.1	3.9	3.7	3.5	3.4	3.2
62.5°	5.9	5.7	5.3	5.0	4.7	4.3	4.1	3.9	3.7	3.5	3.3
61.25°	6.1	5.9	5.7	5.3	4.9	4.6	4.2	4.0	3.8	3.6	3.4
60°	6.3	6.1	5.9	5.6	5.2	4.9	4.5	4.1	3.9	3.7	3.5
58.75°	6.5	6.3	6.1	5.9	5.5	5.1	4.7	4.3	4.1	3.8	3.6
57.5°	6.7	6.5	6.2	6.0	5.8	5.4	5.0	4.6	4.2	3.9	3.7
56.25°	6.7	6.7	6.4	6.2	6.0	5.7	5.2	4.8	4.4	4.1	3.8
55°	6.7	6.7	6.6	6.4	6.1	5.9	5.5	5.0	4.6	4.2	3.9
53.75°	6.7	6.7	6.7	6.5	6.3	6.0	5.7	5.3	4.8	4.4	4.0
52.5°	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.5	5.0	4.6	4.1
51.25°	6.7	6.7	6.7	6.7	6.6	6.3	6.0	5.7	5.2	4.7	4.3
50°	6.9	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.4	4.9	4.4
48.75°	7.0	6.8	6.7	6.7	6.7	6.6	6.3	6.0	5.6	5.1	4.6
47.5°	7.2	6.9	6.7	6.7	6.7	6.7	6.4	6.1	5.8	5.3	4.8
46.25°	7.3	7.1	6.8	6.7	6.7	6.7	6.5	6.2	5.9	5.5	4.9
45°	7.5	7.2	6.9	6.7	6.7	6.7	6.6	6.3	6.0	5.7	5.1
43.75°	7.6	7.3	7.1	6.8	6.7	6.7	6.7	6.4	6.1	5.8	5.3
42.5°	7.7	7.5	7.2	6.9	6.7	6.7	6.7	6.6	6.2	5.9	5.4
41.25°	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.7	6.3	6.0	5.6
40°	8.0	7.7	7.4	7.1	6.9	6.7	6.7	6.7	6.4	6.1	5.7
38.75°	8.2	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.5	6.2	5.8
37.5°	8.3	8.0	7.7	7.4	7.1	6.8	6.7	6.7	6.6	6.3	5.9
36.25°	8.4	8.1	7.8	7.5	7.2	6.9	6.7	6.7	6.7	6.4	6.0
35°	8.6	8.2	7.9	7.6	7.3	6.9	6.7	6.7	6.7	6.4	6.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	8.7	8.3	8.0	7.7	7.4	7.0	6.7	6.7	6.7	6.5	6.1
32.5°	8.8	8.5	8.1	7.8	7.5	7.1	6.8	6.7	6.7	6.6	6.2
31.25°	8.9	8.6	8.2	7.9	7.5	7.2	6.9	6.7	6.7	6.7	6.3
30°	9.1	8.7	8.3	8.0	7.6	7.3	7.0	6.7	6.7	6.7	6.3
28.75°	9.2	8.8	8.4	8.1	7.7	7.4	7.0	6.7	6.7	6.7	6.4
27.5°	9.2	8.9	8.5	8.1	7.8	7.4	7.1	6.8	6.7	6.7	6.5
26.25°	9.2	9.0	8.6	8.2	7.9	7.5	7.2	6.8	6.7	6.7	6.5
25°	9.2	9.1	8.7	8.3	8.0	7.6	7.2	6.9	6.7	6.7	6.6
23.75°	9.2	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.7	6.7	6.6
22.5°	9.2	9.2	8.9	8.5	8.1	7.7	7.4	7.0	6.7	6.7	6.7
21.25°	9.2	9.2	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.7	6.7
20°	9.2	9.2	9.0	8.6	8.2	7.8	7.5	7.1	6.7	6.7	6.7
18.75°	9.2	9.2	9.1	8.7	8.3	7.9	7.5	7.1	6.8	6.7	6.7
17.5°	9.2	9.2	9.2	8.8	8.3	7.9	7.6	7.2	6.8	6.7	6.7
16.25°	9.2	9.2	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.7	6.7
15°	9.3	9.2	9.2	8.9	8.4	8.0	7.7	7.3	6.9	6.7	6.7
13.75°	9.3	9.2	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.7	6.7
12.5°	9.4	9.2	9.2	9.0	8.5	8.1	7.7	7.3	7.0	6.7	6.7
11.25°	9.4	9.2	9.2	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.7
10°	9.4	9.2	9.2	9.1	8.6	8.2	7.8	7.4	7.0	6.7	6.7
8.75°	9.5	9.2	9.2	9.1	8.6	8.2	7.8	7.4	7.0	6.7	6.7
7.5°	9.5	9.2	9.2	9.1	8.7	8.2	7.8	7.4	7.0	6.7	6.7
6.25°	9.5	9.2	9.2	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.7
5°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
3.75°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
2.5°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
1.25°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
0°	9.6	9.2	9.2	9.2	8.8	8.3	7.9	7.5	7.1	6.7	6.7
-1.25°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
-2.5°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
-3.75°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
-5°	9.6	9.2	9.2	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.7
-6.25°	9.5	9.2	9.2	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.7
-7.5°	9.5	9.2	9.2	9.1	8.7	8.2	7.8	7.4	7.0	6.7	6.7
-8.75°	9.5	9.2	9.2	9.1	8.6	8.2	7.8	7.4	7.0	6.7	6.7
-10°	9.4	9.2	9.2	9.1	8.6	8.2	7.8	7.4	7.0	6.7	6.7
-11.25°	9.4	9.2	9.2	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.7
-12.5°	9.4	9.2	9.2	9.0	8.5	8.1	7.7	7.3	7.0	6.7	6.7
-13.75°	9.3	9.2	9.2	8.9	8.5	8.1	7.7	7.3	6.9	6.7	6.7
-15°	9.3	9.2	9.2	8.9	8.4	8.0	7.7	7.3	6.9	6.7	6.7
-16.25°	9.2	9.2	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.7	6.7
-17.5°	9.2	9.2	9.2	8.8	8.3	7.9	7.6	7.2	6.8	6.7	6.7
-18.75°	9.2	9.2	9.1	8.7	8.3	7.9	7.5	7.1	6.8	6.7	6.7
-20°	9.2	9.2	9.0	8.6	8.2	7.8	7.5	7.1	6.7	6.7	6.7
-21.25°	9.2	9.2	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.7	6.7



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	9.2	9.2	8.9	8.5	8.1	7.7	7.4	7.0	6.7	6.7	6.7
-23.75°	9.2	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.7	6.7	6.6
-25°	9.2	9.1	8.7	8.3	8.0	7.6	7.2	6.9	6.7	6.7	6.6
-26.25°	9.2	9.0	8.6	8.2	7.9	7.5	7.2	6.8	6.7	6.7	6.5
-27.5°	9.2	8.9	8.5	8.1	7.8	7.4	7.1	6.8	6.7	6.7	6.5
-28.75°	9.2	8.8	8.4	8.1	7.7	7.4	7.0	6.7	6.7	6.7	6.4
-30°	9.1	8.7	8.3	8.0	7.6	7.3	7.0	6.7	6.7	6.7	6.3
-31.25°	8.9	8.6	8.2	7.9	7.5	7.2	6.9	6.7	6.7	6.7	6.3
-32.5°	8.8	8.5	8.1	7.8	7.5	7.1	6.8	6.7	6.7	6.6	6.2
-33.75°	8.7	8.3	8.0	7.7	7.4	7.0	6.7	6.7	6.7	6.5	6.1
-35°	8.6	8.2	7.9	7.6	7.3	6.9	6.7	6.7	6.7	6.4	6.1
-36.25°	8.4	8.1	7.8	7.5	7.2	6.9	6.7	6.7	6.7	6.4	6.0
-37.5°	8.3	8.0	7.7	7.4	7.1	6.8	6.7	6.7	6.6	6.3	5.9
-38.75°	8.2	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.5	6.2	5.8
-40°	8.0	7.7	7.4	7.1	6.9	6.7	6.7	6.7	6.4	6.1	5.7
-41.25°	7.9	7.6	7.3	7.0	6.7	6.7	6.7	6.7	6.3	6.0	5.6
-42.5°	7.7	7.5	7.2	6.9	6.7	6.7	6.7	6.6	6.2	5.9	5.4
-43.75°	7.6	7.3	7.1	6.8	6.7	6.7	6.7	6.4	6.1	5.8	5.3
-45°	7.5	7.2	6.9	6.7	6.7	6.7	6.6	6.3	6.0	5.7	5.1
-46.25°	7.3	7.1	6.8	6.7	6.7	6.7	6.5	6.2	5.9	5.5	4.9
-47.5°	7.2	6.9	6.7	6.7	6.7	6.7	6.4	6.1	5.8	5.3	4.8
-48.75°	7.0	6.8	6.7	6.7	6.7	6.6	6.3	6.0	5.6	5.1	4.6
-50°	6.9	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.4	4.9	4.4
-51.25°	6.7	6.7	6.7	6.7	6.6	6.3	6.0	5.7	5.2	4.7	4.3
-52.5°	6.7	6.7	6.7	6.7	6.4	6.1	5.9	5.5	5.0	4.6	4.1
-53.75°	6.7	6.7	6.7	6.5	6.3	6.0	5.7	5.3	4.8	4.4	4.0
-55°	6.7	6.7	6.6	6.4	6.1	5.9	5.5	5.0	4.6	4.2	3.9
-56.25°	6.7	6.7	6.4	6.2	6.0	5.7	5.2	4.8	4.4	4.1	3.8
-57.5°	6.7	6.5	6.2	6.0	5.8	5.4	5.0	4.6	4.2	3.9	3.7
-58.75°	6.5	6.3	6.1	5.9	5.5	5.1	4.7	4.3	4.1	3.8	3.6
-60°	6.3	6.1	5.9	5.6	5.2	4.9	4.5	4.1	3.9	3.7	3.5
-61.25°	6.1	5.9	5.7	5.3	4.9	4.6	4.2	4.0	3.8	3.6	3.4
-62.5°	5.9	5.7	5.3	5.0	4.7	4.3	4.1	3.9	3.7	3.5	3.3
-63.75°	5.7	5.3	5.0	4.7	4.4	4.1	3.9	3.7	3.5	3.4	3.2
-65°	5.3	5.0	4.7	4.4	4.1	4.0	3.8	3.6	3.4	3.2	3.1
-66.25°	4.9	4.7	4.4	4.1	4.0	3.8	3.6	3.5	3.3	3.1	3.0
-67.5°	4.6	4.3	4.1	4.0	3.8	3.6	3.5	3.3	3.2	3.0	2.9
-68.75°	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.8
-70°	4.0	3.9	3.7	3.6	3.5	3.3	3.2	3.0	2.9	2.8	2.7
-71.25°	3.8	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.8	2.7	2.6
-72.5°	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4
-73.75°	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.2
-75°	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3	2.1	1.9
-76.25°	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.3	2.1	1.9	1.7
-77.5°	2.8	2.7	2.7	2.6	2.5	2.3	2.2	2.0	1.8	1.6	1.5



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	2.6	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.5	1.4	1.2
-80°	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0
-81.25°	2.0	1.8	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.8
-82.5°	1.5	1.4	1.4	1.3	1.1	1.0	0.9	0.8	0.8	0.7	0.7
-83.75°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-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°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
80°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
78.75°	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
77.5°	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
76.25°	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
75°	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2
73.75°	1.9	1.7	1.5	1.2	1.0	0.8	0.7	0.6	0.4	0.3	0.2
72.5°	2.1	1.9	1.6	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.2
71.25°	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.6	0.5	0.4	0.3
70°	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.7	0.5	0.4	0.3
68.75°	2.6	2.5	2.2	1.9	1.6	1.2	0.9	0.7	0.6	0.4	0.3
67.5°	2.7	2.6	2.3	2.0	1.7	1.4	1.0	0.8	0.6	0.5	0.3
66.25°	2.8	2.7	2.5	2.2	1.8	1.5	1.1	0.8	0.6	0.5	0.3
65°	2.9	2.7	2.6	2.3	2.0	1.6	1.3	0.9	0.7	0.5	0.3
63.75°	3.0	2.8	2.7	2.5	2.1	1.7	1.4	1.0	0.7	0.5	0.4
62.5°	3.1	2.9	2.7	2.6	2.2	1.8	1.4	1.1	0.7	0.6	0.4
61.25°	3.2	3.0	2.8	2.6	2.4	2.0	1.5	1.1	0.8	0.6	0.4
60°	3.3	3.1	2.9	2.7	2.5	2.1	1.6	1.2	0.8	0.6	0.4
58.75°	3.4	3.2	3.0	2.8	2.6	2.2	1.7	1.3	0.9	0.6	0.4
57.5°	3.5	3.2	3.0	2.8	2.6	2.3	1.8	1.4	0.9	0.6	0.4
56.25°	3.6	3.3	3.1	2.9	2.7	2.4	1.9	1.5	1.0	0.7	0.4
55°	3.7	3.4	3.2	3.0	2.7	2.5	2.0	1.5	1.0	0.7	0.5
53.75°	3.8	3.5	3.3	3.0	2.8	2.6	2.1	1.6	1.1	0.7	0.5
52.5°	3.9	3.6	3.3	3.1	2.8	2.6	2.2	1.7	1.2	0.7	0.5
51.25°	4.0	3.7	3.4	3.1	2.9	2.6	2.3	1.8	1.2	0.8	0.5
50°	4.0	3.8	3.5	3.2	3.0	2.7	2.4	1.8	1.3	0.8	0.5
48.75°	4.1	3.8	3.6	3.3	3.0	2.7	2.5	1.9	1.3	0.8	0.5
47.5°	4.2	3.9	3.6	3.3	3.1	2.8	2.5	2.0	1.4	0.8	0.5
46.25°	4.4	4.0	3.7	3.4	3.1	2.8	2.6	2.0	1.4	0.9	0.6
45°	4.5	4.1	3.8	3.5	3.2	2.9	2.6	2.1	1.5	0.9	0.6
43.75°	4.7	4.2	3.8	3.5	3.2	2.9	2.6	2.2	1.6	0.9	0.6
42.5°	4.8	4.3	3.9	3.6	3.3	3.0	2.7	2.2	1.6	1.0	0.6
41.25°	5.0	4.4	4.0	3.6	3.3	3.0	2.7	2.3	1.7	1.0	0.6
40°	5.1	4.5	4.0	3.7	3.4	3.0	2.7	2.4	1.7	1.1	0.6
38.75°	5.3	4.6	4.1	3.8	3.4	3.1	2.8	2.4	1.8	1.1	0.6
37.5°	5.4	4.8	4.2	3.8	3.5	3.1	2.8	2.5	1.8	1.1	0.6
36.25°	5.5	4.9	4.2	3.9	3.5	3.2	2.8	2.5	1.8	1.2	0.6
35°	5.6	5.0	4.3	3.9	3.5	3.2	2.9	2.5	1.9	1.2	0.7



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	5.8	5.1	4.4	4.0	3.6	3.2	2.9	2.6	1.9	1.2	0.7
32.5°	5.8	5.2	4.5	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
31.25°	5.9	5.3	4.6	4.1	3.7	3.3	3.0	2.6	2.0	1.3	0.7
30°	6.0	5.4	4.7	4.1	3.7	3.3	3.0	2.6	2.0	1.3	0.7
28.75°	6.0	5.5	4.8	4.1	3.8	3.4	3.0	2.7	2.1	1.3	0.7
27.5°	6.1	5.6	4.9	4.2	3.8	3.4	3.0	2.7	2.1	1.4	0.7
26.25°	6.1	5.7	5.0	4.2	3.8	3.4	3.1	2.7	2.1	1.4	0.7
25°	6.2	5.8	5.0	4.3	3.9	3.5	3.1	2.7	2.2	1.4	0.7
23.75°	6.2	5.8	5.1	4.4	3.9	3.5	3.1	2.7	2.2	1.4	0.7
22.5°	6.3	5.9	5.2	4.4	3.9	3.5	3.1	2.7	2.2	1.5	0.7
21.25°	6.3	5.9	5.2	4.5	4.0	3.5	3.1	2.8	2.3	1.5	0.7
20°	6.4	5.9	5.3	4.6	4.0	3.6	3.2	2.8	2.3	1.5	0.8
18.75°	6.4	6.0	5.4	4.6	4.0	3.6	3.2	2.8	2.3	1.5	0.8
17.5°	6.4	6.0	5.4	4.7	4.0	3.6	3.2	2.8	2.3	1.5	0.8
16.25°	6.5	6.0	5.5	4.7	4.1	3.6	3.2	2.8	2.4	1.5	0.8
15°	6.5	6.1	5.5	4.8	4.1	3.6	3.2	2.8	2.4	1.6	0.8
13.75°	6.5	6.1	5.6	4.8	4.1	3.7	3.2	2.8	2.4	1.6	0.8
12.5°	6.6	6.1	5.6	4.8	4.1	3.7	3.2	2.9	2.4	1.6	0.8
11.25°	6.6	6.2	5.6	4.9	4.1	3.7	3.3	2.9	2.4	1.6	0.8
10°	6.6	6.2	5.7	4.9	4.1	3.7	3.3	2.9	2.4	1.6	0.8
8.75°	6.6	6.2	5.7	4.9	4.2	3.7	3.3	2.9	2.5	1.6	0.8
7.5°	6.7	6.2	5.7	4.9	4.2	3.7	3.3	2.9	2.5	1.6	0.8
6.25°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
5°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
3.75°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
2.5°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
1.25°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
0°	6.7	6.3	5.8	5.0	4.2	3.8	3.3	2.9	2.5	1.7	0.8
-1.25°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-2.5°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-3.75°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-5°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-6.25°	6.7	6.2	5.8	5.0	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-7.5°	6.7	6.2	5.7	4.9	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-8.75°	6.6	6.2	5.7	4.9	4.2	3.7	3.3	2.9	2.5	1.6	0.8
-10°	6.6	6.2	5.7	4.9	4.1	3.7	3.3	2.9	2.4	1.6	0.8
-11.25°	6.6	6.2	5.6	4.9	4.1	3.7	3.3	2.9	2.4	1.6	0.8
-12.5°	6.6	6.1	5.6	4.8	4.1	3.7	3.2	2.9	2.4	1.6	0.8
-13.75°	6.5	6.1	5.6	4.8	4.1	3.7	3.2	2.8	2.4	1.6	0.8
-15°	6.5	6.1	5.5	4.8	4.1	3.6	3.2	2.8	2.4	1.6	0.8
-16.25°	6.5	6.0	5.5	4.7	4.1	3.6	3.2	2.8	2.4	1.5	0.8
-17.5°	6.4	6.0	5.4	4.7	4.0	3.6	3.2	2.8	2.3	1.5	0.8
-18.75°	6.4	6.0	5.4	4.6	4.0	3.6	3.2	2.8	2.3	1.5	0.8
-20°	6.4	5.9	5.3	4.6	4.0	3.6	3.2	2.8	2.3	1.5	0.8
-21.25°	6.3	5.9	5.2	4.5	4.0	3.5	3.1	2.8	2.3	1.5	0.7



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	6.3	5.9	5.2	4.4	3.9	3.5	3.1	2.7	2.2	1.5	0.7
-23.75°	6.2	5.8	5.1	4.4	3.9	3.5	3.1	2.7	2.2	1.4	0.7
-25°	6.2	5.8	5.0	4.3	3.9	3.5	3.1	2.7	2.2	1.4	0.7
-26.25°	6.1	5.7	5.0	4.2	3.8	3.4	3.1	2.7	2.1	1.4	0.7
-27.5°	6.1	5.6	4.9	4.2	3.8	3.4	3.0	2.7	2.1	1.4	0.7
-28.75°	6.0	5.5	4.8	4.1	3.8	3.4	3.0	2.7	2.1	1.3	0.7
-30°	6.0	5.4	4.7	4.1	3.7	3.3	3.0	2.6	2.0	1.3	0.7
-31.25°	5.9	5.3	4.6	4.1	3.7	3.3	3.0	2.6	2.0	1.3	0.7
-32.5°	5.8	5.2	4.5	4.0	3.6	3.3	2.9	2.6	2.0	1.3	0.7
-33.75°	5.8	5.1	4.4	4.0	3.6	3.2	2.9	2.6	1.9	1.2	0.7
-35°	5.6	5.0	4.3	3.9	3.5	3.2	2.9	2.5	1.9	1.2	0.7
-36.25°	5.5	4.9	4.2	3.9	3.5	3.2	2.8	2.5	1.8	1.2	0.6
-37.5°	5.4	4.8	4.2	3.8	3.5	3.1	2.8	2.5	1.8	1.1	0.6
-38.75°	5.3	4.6	4.1	3.8	3.4	3.1	2.8	2.4	1.8	1.1	0.6
-40°	5.1	4.5	4.0	3.7	3.4	3.0	2.7	2.4	1.7	1.1	0.6
-41.25°	5.0	4.4	4.0	3.6	3.3	3.0	2.7	2.3	1.7	1.0	0.6
-42.5°	4.8	4.3	3.9	3.6	3.3	3.0	2.7	2.2	1.6	1.0	0.6
-43.75°	4.7	4.2	3.8	3.5	3.2	2.9	2.6	2.2	1.6	0.9	0.6
-45°	4.5	4.1	3.8	3.5	3.2	2.9	2.6	2.1	1.5	0.9	0.6
-46.25°	4.4	4.0	3.7	3.4	3.1	2.8	2.6	2.0	1.4	0.9	0.6
-47.5°	4.2	3.9	3.6	3.3	3.1	2.8	2.5	2.0	1.4	0.8	0.5
-48.75°	4.1	3.8	3.6	3.3	3.0	2.7	2.5	1.9	1.3	0.8	0.5
-50°	4.0	3.8	3.5	3.2	3.0	2.7	2.4	1.8	1.3	0.8	0.5
-51.25°	4.0	3.7	3.4	3.1	2.9	2.6	2.3	1.8	1.2	0.8	0.5
-52.5°	3.9	3.6	3.3	3.1	2.8	2.6	2.2	1.7	1.2	0.7	0.5
-53.75°	3.8	3.5	3.3	3.0	2.8	2.6	2.1	1.6	1.1	0.7	0.5
-55°	3.7	3.4	3.2	3.0	2.7	2.5	2.0	1.5	1.0	0.7	0.5
-56.25°	3.6	3.3	3.1	2.9	2.7	2.4	1.9	1.5	1.0	0.7	0.4
-57.5°	3.5	3.2	3.0	2.8	2.6	2.3	1.8	1.4	0.9	0.6	0.4
-58.75°	3.4	3.2	3.0	2.8	2.6	2.2	1.7	1.3	0.9	0.6	0.4
-60°	3.3	3.1	2.9	2.7	2.5	2.1	1.6	1.2	0.8	0.6	0.4
-61.25°	3.2	3.0	2.8	2.6	2.4	2.0	1.5	1.1	0.8	0.6	0.4
-62.5°	3.1	2.9	2.7	2.6	2.2	1.8	1.4	1.1	0.7	0.6	0.4
-63.75°	3.0	2.8	2.7	2.5	2.1	1.7	1.4	1.0	0.7	0.5	0.4
-65°	2.9	2.7	2.6	2.3	2.0	1.6	1.3	0.9	0.7	0.5	0.3
-66.25°	2.8	2.7	2.5	2.2	1.8	1.5	1.1	0.8	0.6	0.5	0.3
-67.5°	2.7	2.6	2.3	2.0	1.7	1.4	1.0	0.8	0.6	0.5	0.3
-68.75°	2.6	2.5	2.2	1.9	1.6	1.2	0.9	0.7	0.6	0.4	0.3
-70°	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.7	0.5	0.4	0.3
-71.25°	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.6	0.5	0.4	0.3
-72.5°	2.1	1.9	1.6	1.4	1.1	0.9	0.7	0.6	0.5	0.4	0.2
-73.75°	1.9	1.7	1.5	1.2	1.0	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-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: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.0	0.0
86.25°	0.0	0.0
85°	0.0	0.0
83.75°	0.0	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	0.0
77.5°	0.1	0.0
76.25°	0.1	0.0
75°	0.1	0.0
73.75°	0.1	0.0
72.5°	0.1	0.0
71.25°	0.1	0.0
70°	0.1	0.0
68.75°	0.1	0.0
67.5°	0.2	0.0
66.25°	0.2	0.0
65°	0.2	0.0
63.75°	0.2	0.0
62.5°	0.2	0.0
61.25°	0.2	0.0
60°	0.2	0.0
58.75°	0.2	0.0
57.5°	0.2	0.0
56.25°	0.2	0.0
55°	0.2	0.0
53.75°	0.2	0.0
52.5°	0.2	0.0
51.25°	0.3	0.0
50°	0.3	0.0
48.75°	0.3	0.0
47.5°	0.3	0.0
46.25°	0.3	0.0
45°	0.3	0.0
43.75°	0.3	0.0
42.5°	0.3	0.0
41.25°	0.3	0.0
40°	0.3	0.0
38.75°	0.3	0.0
37.5°	0.3	0.0
36.25°	0.3	0.0
35°	0.3	0.0



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.3	0.0
32.5°	0.3	0.0
31.25°	0.3	0.0
30°	0.3	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.4	0.0
23.75°	0.4	0.0
22.5°	0.4	0.0
21.25°	0.4	0.0
20°	0.4	0.0
18.75°	0.4	0.0
17.5°	0.4	0.0
16.25°	0.4	0.0
15°	0.4	0.0
13.75°	0.4	0.0
12.5°	0.4	0.0
11.25°	0.4	0.0
10°	0.4	0.0
8.75°	0.4	0.0
7.5°	0.4	0.0
6.25°	0.4	0.0
5°	0.4	0.0
3.75°	0.4	0.0
2.5°	0.4	0.0
1.25°	0.4	0.0
0°	0.4	0.0
-1.25°	0.4	0.0
-2.5°	0.4	0.0
-3.75°	0.4	0.0
-5°	0.4	0.0
-6.25°	0.4	0.0
-7.5°	0.4	0.0
-8.75°	0.4	0.0
-10°	0.4	0.0
-11.25°	0.4	0.0
-12.5°	0.4	0.0
-13.75°	0.4	0.0
-15°	0.4	0.0
-16.25°	0.4	0.0
-17.5°	0.4	0.0
-18.75°	0.4	0.0
-20°	0.4	0.0
-21.25°	0.4	0.0



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.4	0.0
-23.75°	0.4	0.0
-25°	0.4	0.0
-26.25°	0.4	0.0
-27.5°	0.4	0.0
-28.75°	0.4	0.0
-30°	0.3	0.0
-31.25°	0.3	0.0
-32.5°	0.3	0.0
-33.75°	0.3	0.0
-35°	0.3	0.0
-36.25°	0.3	0.0
-37.5°	0.3	0.0
-38.75°	0.3	0.0
-40°	0.3	0.0
-41.25°	0.3	0.0
-42.5°	0.3	0.0
-43.75°	0.3	0.0
-45°	0.3	0.0
-46.25°	0.3	0.0
-47.5°	0.3	0.0
-48.75°	0.3	0.0
-50°	0.3	0.0
-51.25°	0.3	0.0
-52.5°	0.2	0.0
-53.75°	0.2	0.0
-55°	0.2	0.0
-56.25°	0.2	0.0
-57.5°	0.2	0.0
-58.75°	0.2	0.0
-60°	0.2	0.0
-61.25°	0.2	0.0
-62.5°	0.2	0.0
-63.75°	0.2	0.0
-65°	0.2	0.0
-66.25°	0.2	0.0
-67.5°	0.2	0.0
-68.75°	0.1	0.0
-70°	0.1	0.0
-71.25°	0.1	0.0
-72.5°	0.1	0.0
-73.75°	0.1	0.0
-75°	0.1	0.0
-76.25°	0.1	0.0
-77.5°	0.1	0.0



REPORT NUMBER: P220336 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.1	0.0
-80°	0.1	0.0
-81.25°	0.1	0.0
-82.5°	0.1	0.0
-83.75°	0.0	0.0
-85°	0.0	0.0
-86.25°	0.0	0.0
-87.5°	0.0	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)