

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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

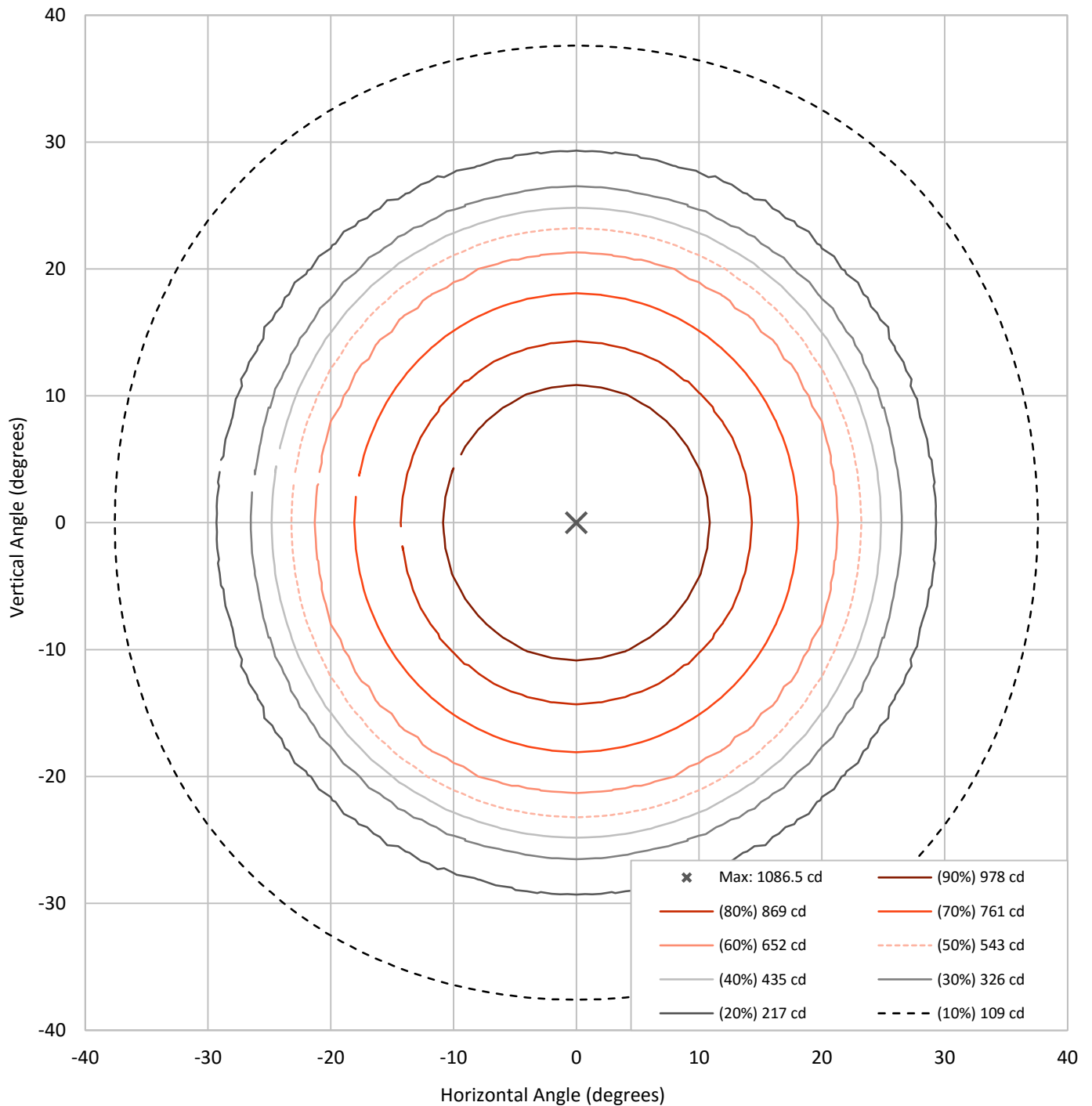
Test Method: LM-79-08  
Report Number: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/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:	731.3 lumens	Max Intensity:	1086.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	74.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	420.1 lumens	Field Lumens:	598.6 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	9.8		
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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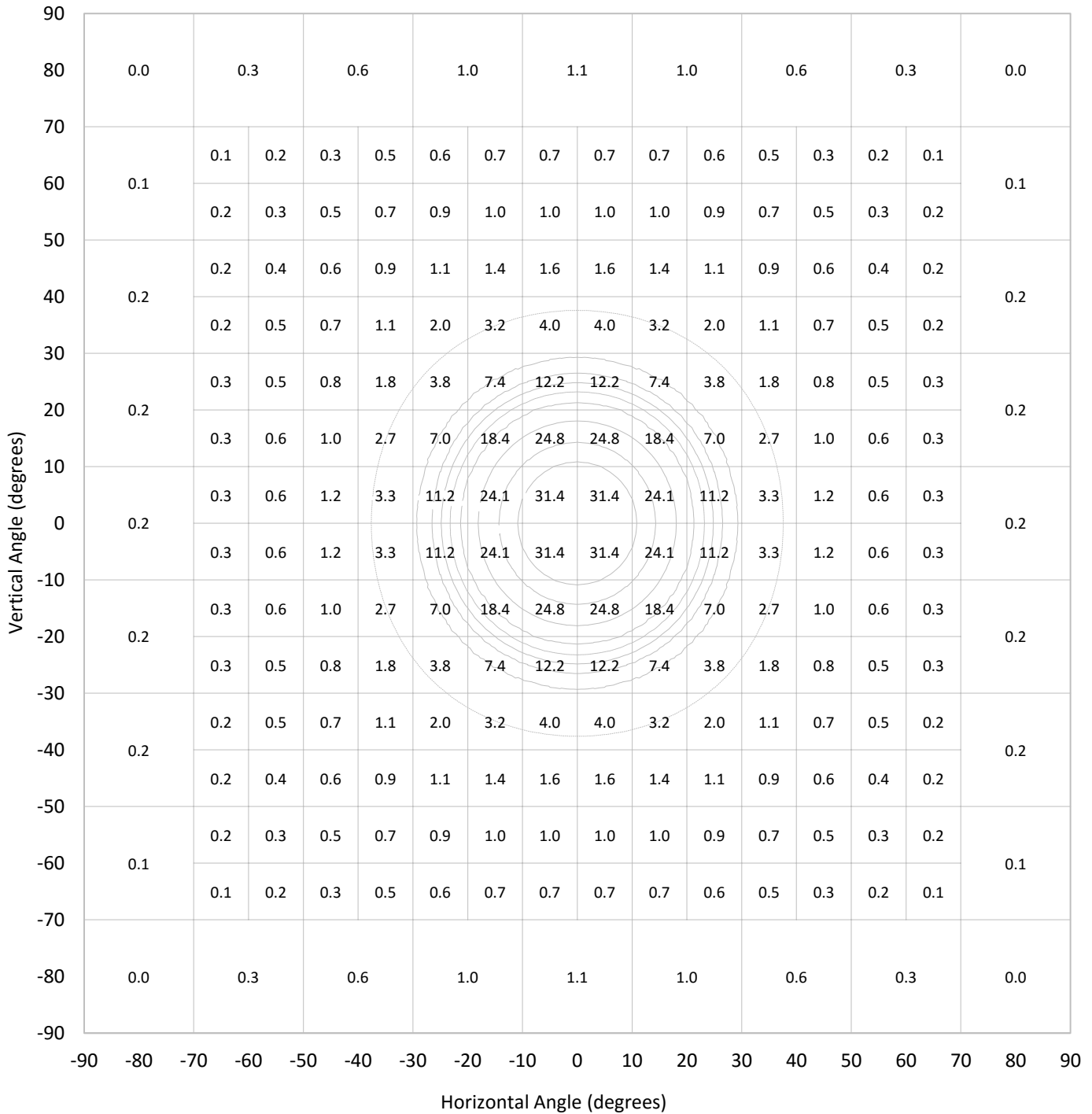
### Iso-Candela Plot





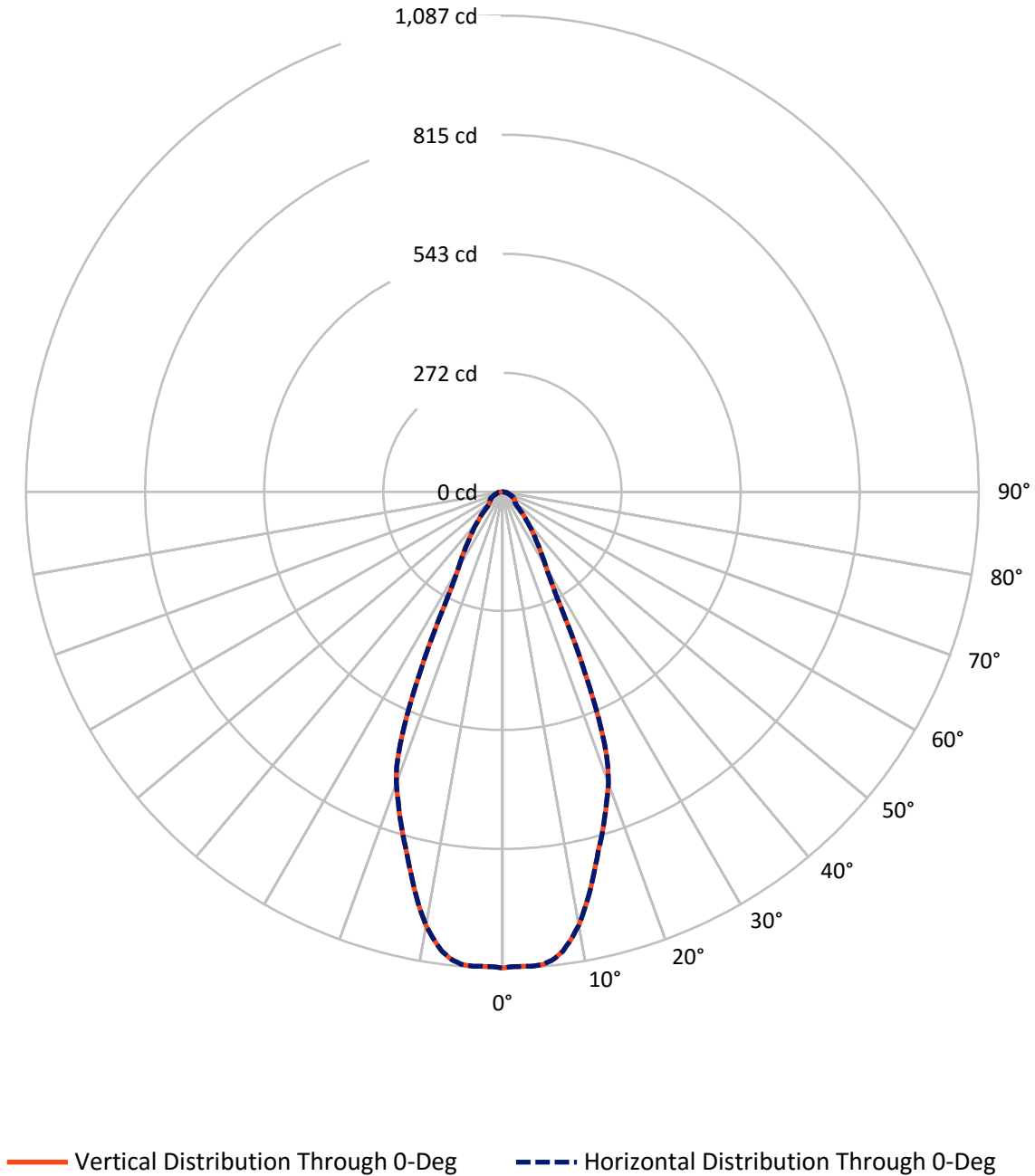
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### Lumen Table



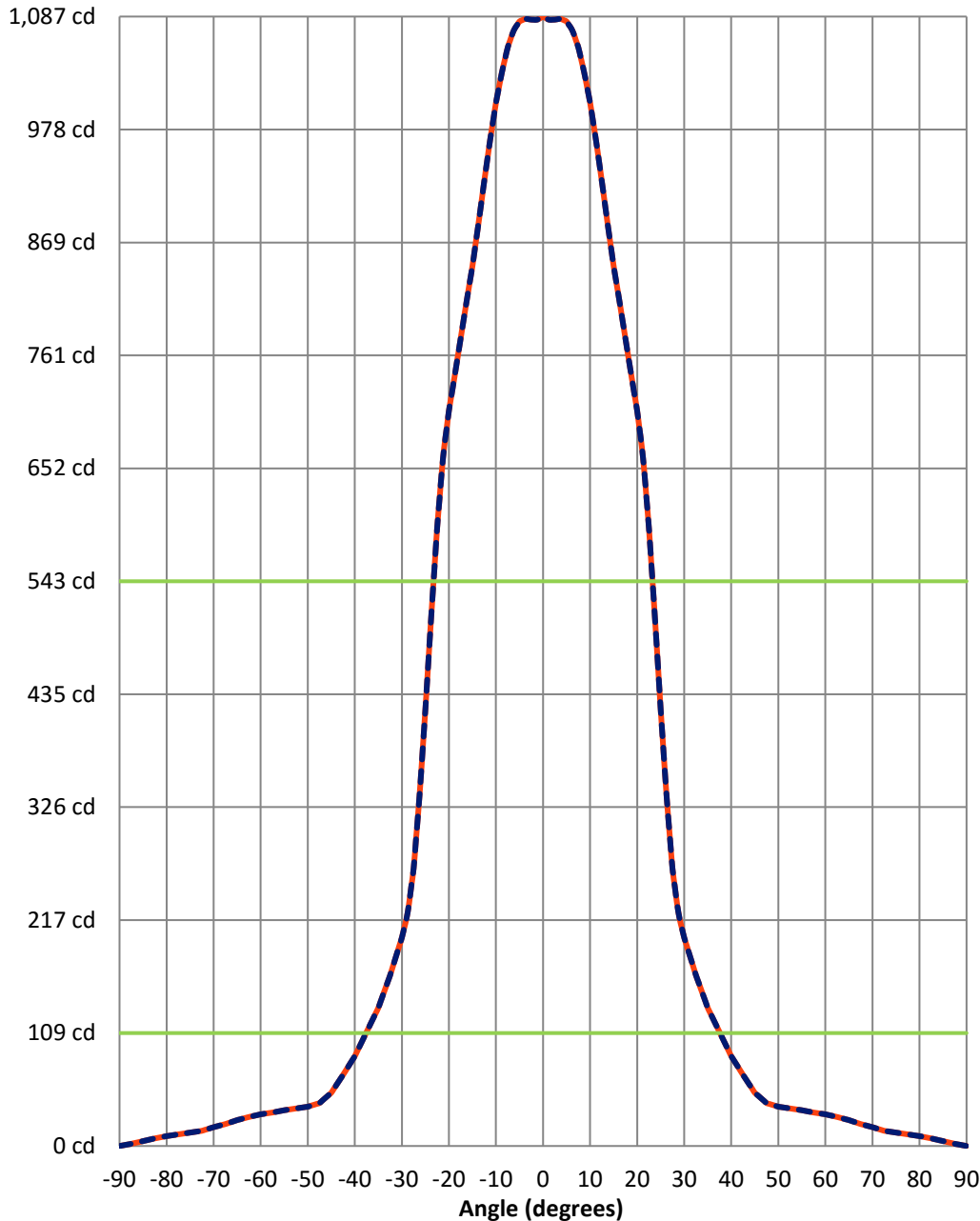
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.5°  
 V Angle: 46.5°  
 Lumens: 420.1  
 Efficiency: 57.4%

**Field:**  
 H Angle: 75.2°  
 V Angle: 75.2°  
 Lumens: 598.6  
 Efficiency: 81.8%

**Spill:**  
 Lumens: 132.7  
 Efficiency: 18.2%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
86.25°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
83.75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
82.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
81.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
80°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
78.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.8
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.4	2.8	3.1
72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.6	3.0	3.4
71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.8	3.2	3.6
70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.5	3.9
68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.8	3.3	3.7	4.2
67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.5	4.0	4.4
66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.2	3.7	4.2	4.7
65°	0.0	0.4	0.9	1.3	1.8	2.2	2.8	3.3	3.9	4.4	5.0
63.75°	0.0	0.5	0.9	1.4	1.9	2.4	2.9	3.5	4.1	4.6	5.2
62.5°	0.0	0.5	1.0	1.5	1.9	2.5	3.1	3.7	4.3	4.9	5.5
61.25°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.9	4.5	5.1	5.7
60°	0.0	0.5	1.0	1.6	2.1	2.7	3.4	4.0	4.7	5.3	6.0
58.75°	0.0	0.5	1.1	1.6	2.2	2.9	3.5	4.2	4.9	5.5	6.2
57.5°	0.0	0.6	1.1	1.7	2.3	3.0	3.7	4.4	5.1	5.8	6.4
56.25°	0.0	0.6	1.2	1.7	2.4	3.1	3.8	4.5	5.3	6.0	6.7
55°	0.0	0.6	1.2	1.8	2.5	3.2	4.0	4.7	5.4	6.2	6.9
53.75°	0.0	0.6	1.2	1.9	2.6	3.3	4.1	4.9	5.6	6.4	7.1
52.5°	0.0	0.6	1.3	1.9	2.7	3.5	4.2	5.0	5.8	6.6	7.4
51.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.4	5.2	6.0	6.8	7.6
50°	0.0	0.7	1.3	2.0	2.8	3.7	4.5	5.3	6.2	7.0	7.7
48.75°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.5	6.3	7.2	7.9
47.5°	0.0	0.7	1.4	2.1	3.0	3.9	4.8	5.6	6.5	7.4	8.1
46.25°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.5	8.3
45°	0.0	0.7	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.7	8.4
43.75°	0.0	0.8	1.5	2.3	3.3	4.2	5.1	6.1	7.0	7.8	8.6
42.5°	0.0	0.8	1.5	2.4	3.3	4.3	5.2	6.2	7.1	8.0	8.8
41.25°	0.0	0.8	1.6	2.4	3.4	4.4	5.4	6.3	7.3	8.1	8.9
40°	0.0	0.8	1.6	2.5	3.5	4.5	5.5	6.5	7.4	8.3	9.1
38.75°	0.0	0.8	1.6	2.5	3.6	4.6	5.6	6.6	7.5	8.4	9.3
37.5°	0.0	0.8	1.7	2.6	3.6	4.7	5.7	6.7	7.7	8.5	9.4
36.25°	0.0	0.8	1.7	2.6	3.7	4.7	5.8	6.8	7.8	8.7	9.5
35°	0.0	0.9	1.7	2.7	3.8	4.8	5.9	6.9	7.9	8.8	9.6



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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	0.9	1.7	2.7	3.8	4.9	6.0	7.1	8.0	8.9	9.7
32.5°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.2	8.1	9.0	9.9
31.25°	0.0	0.9	1.8	2.8	3.9	5.1	6.2	7.3	8.2	9.1	10.0
30°	0.0	0.9	1.8	2.9	4.0	5.1	6.3	7.4	8.3	9.3	10.0
28.75°	0.0	0.9	1.8	2.9	4.1	5.2	6.3	7.4	8.4	9.4	10.1
27.5°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.5	8.5	9.5	10.2
26.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.6	8.6	9.6	10.3
25°	0.0	1.0	1.9	3.0	4.2	5.4	6.6	7.7	8.7	9.6	10.4
23.75°	0.0	1.0	1.9	3.1	4.3	5.4	6.6	7.7	8.7	9.7	10.5
22.5°	0.0	1.0	1.9	3.1	4.3	5.5	6.7	7.8	8.8	9.8	10.5
21.25°	0.0	1.0	2.0	3.1	4.3	5.6	6.8	7.9	8.9	9.8	10.6
20°	0.0	1.0	2.0	3.2	4.4	5.6	6.8	7.9	9.0	9.9	10.7
18.75°	0.0	1.0	2.0	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.7
17.5°	0.0	1.0	2.0	3.2	4.5	5.7	6.9	8.0	9.1	10.0	10.8
16.25°	0.0	1.0	2.0	3.2	4.5	5.7	7.0	8.1	9.1	10.0	10.9
15°	0.0	1.0	2.0	3.3	4.5	5.8	7.0	8.1	9.2	10.1	10.9
13.75°	0.0	1.0	2.0	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
12.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.1	8.2	9.3	10.2	11.0
11.25°	0.0	1.0	2.1	3.3	4.6	5.9	7.1	8.3	9.3	10.2	11.0
10°	0.0	1.0	2.1	3.3	4.6	5.9	7.2	8.3	9.4	10.2	11.1
8.75°	0.0	1.0	2.1	3.4	4.6	5.9	7.2	8.3	9.4	10.3	11.1
7.5°	0.0	1.0	2.1	3.4	4.7	5.9	7.2	8.3	9.4	10.3	11.1
6.25°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.1
5°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
3.75°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
2.5°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
1.25°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
0°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-1.25°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-2.5°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-3.75°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-5°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-6.25°	0.0	1.0	2.1	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.1
-7.5°	0.0	1.0	2.1	3.4	4.7	5.9	7.2	8.3	9.4	10.3	11.1
-8.75°	0.0	1.0	2.1	3.4	4.6	5.9	7.2	8.3	9.4	10.3	11.1
-10°	0.0	1.0	2.1	3.3	4.6	5.9	7.2	8.3	9.4	10.2	11.1
-11.25°	0.0	1.0	2.1	3.3	4.6	5.9	7.1	8.3	9.3	10.2	11.0
-12.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.1	8.2	9.3	10.2	11.0
-13.75°	0.0	1.0	2.0	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
-15°	0.0	1.0	2.0	3.3	4.5	5.8	7.0	8.1	9.2	10.1	10.9
-16.25°	0.0	1.0	2.0	3.2	4.5	5.7	7.0	8.1	9.1	10.0	10.9
-17.5°	0.0	1.0	2.0	3.2	4.5	5.7	6.9	8.0	9.1	10.0	10.8
-18.75°	0.0	1.0	2.0	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.7
-20°	0.0	1.0	2.0	3.2	4.4	5.6	6.8	7.9	9.0	9.9	10.7
-21.25°	0.0	1.0	2.0	3.1	4.3	5.6	6.8	7.9	8.9	9.8	10.6





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	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.0	1.9	3.1	4.3	5.5	6.7	7.8	8.8	9.8	10.5
-23.75°	0.0	1.0	1.9	3.1	4.3	5.4	6.6	7.7	8.7	9.7	10.5
-25°	0.0	1.0	1.9	3.0	4.2	5.4	6.6	7.7	8.7	9.6	10.4
-26.25°	0.0	0.9	1.9	3.0	4.2	5.3	6.5	7.6	8.6	9.6	10.3
-27.5°	0.0	0.9	1.9	3.0	4.1	5.3	6.4	7.5	8.5	9.5	10.2
-28.75°	0.0	0.9	1.8	2.9	4.1	5.2	6.3	7.4	8.4	9.4	10.1
-30°	0.0	0.9	1.8	2.9	4.0	5.1	6.3	7.4	8.3	9.3	10.0
-31.25°	0.0	0.9	1.8	2.8	3.9	5.1	6.2	7.3	8.2	9.1	10.0
-32.5°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.2	8.1	9.0	9.9
-33.75°	0.0	0.9	1.7	2.7	3.8	4.9	6.0	7.1	8.0	8.9	9.7
-35°	0.0	0.9	1.7	2.7	3.8	4.8	5.9	6.9	7.9	8.8	9.6
-36.25°	0.0	0.8	1.7	2.6	3.7	4.7	5.8	6.8	7.8	8.7	9.5
-37.5°	0.0	0.8	1.7	2.6	3.6	4.7	5.7	6.7	7.7	8.5	9.4
-38.75°	0.0	0.8	1.6	2.5	3.6	4.6	5.6	6.6	7.5	8.4	9.3
-40°	0.0	0.8	1.6	2.5	3.5	4.5	5.5	6.5	7.4	8.3	9.1
-41.25°	0.0	0.8	1.6	2.4	3.4	4.4	5.4	6.3	7.3	8.1	8.9
-42.5°	0.0	0.8	1.5	2.4	3.3	4.3	5.2	6.2	7.1	8.0	8.8
-43.75°	0.0	0.8	1.5	2.3	3.3	4.2	5.1	6.1	7.0	7.8	8.6
-45°	0.0	0.7	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.7	8.4
-46.25°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.5	8.3
-47.5°	0.0	0.7	1.4	2.1	3.0	3.9	4.8	5.6	6.5	7.4	8.1
-48.75°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.5	6.3	7.2	7.9
-50°	0.0	0.7	1.3	2.0	2.8	3.7	4.5	5.3	6.2	7.0	7.7
-51.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.4	5.2	6.0	6.8	7.6
-52.5°	0.0	0.6	1.3	1.9	2.7	3.5	4.2	5.0	5.8	6.6	7.4
-53.75°	0.0	0.6	1.2	1.9	2.6	3.3	4.1	4.9	5.6	6.4	7.1
-55°	0.0	0.6	1.2	1.8	2.5	3.2	4.0	4.7	5.4	6.2	6.9
-56.25°	0.0	0.6	1.2	1.7	2.4	3.1	3.8	4.5	5.3	6.0	6.7
-57.5°	0.0	0.6	1.1	1.7	2.3	3.0	3.7	4.4	5.1	5.8	6.4
-58.75°	0.0	0.5	1.1	1.6	2.2	2.9	3.5	4.2	4.9	5.5	6.2
-60°	0.0	0.5	1.0	1.6	2.1	2.7	3.4	4.0	4.7	5.3	6.0
-61.25°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.9	4.5	5.1	5.7
-62.5°	0.0	0.5	1.0	1.5	1.9	2.5	3.1	3.7	4.3	4.9	5.5
-63.75°	0.0	0.5	0.9	1.4	1.9	2.4	2.9	3.5	4.1	4.6	5.2
-65°	0.0	0.4	0.9	1.3	1.8	2.2	2.8	3.3	3.9	4.4	5.0
-66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.2	3.7	4.2	4.7
-67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.5	4.0	4.4
-68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.8	3.3	3.7	4.2
-70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.5	3.9
-71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.8	3.2	3.6
-72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.6	3.0	3.4
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.4	2.8	3.1
-75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.8
-76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
-77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3



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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°
-78.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-80°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-81.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-82.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
-83.75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
-86.25°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-88.75°	0.0	0.0	0.0	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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9
86.25°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4
85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
83.75°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.4
82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9
81.25°	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5
80°	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.1
78.75°	2.3	2.5	2.8	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6
77.5°	2.6	2.8	3.1	3.4	3.6	3.9	4.2	4.4	4.7	5.0	5.2
76.25°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5	5.8
75°	3.2	3.5	3.8	4.1	4.5	4.8	5.1	5.4	5.7	6.0	6.3
73.75°	3.5	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.2	6.6	6.9
72.5°	3.8	4.1	4.5	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.4
71.25°	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.6	7.9
70°	4.3	4.8	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.0	8.4
68.75°	4.6	5.1	5.6	6.0	6.5	6.9	7.3	7.7	8.1	8.5	8.8
67.5°	4.9	5.4	5.9	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3
66.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.5	8.9	9.3	9.7
65°	5.5	6.0	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.0
63.75°	5.8	6.3	6.9	7.4	7.9	8.4	8.8	9.3	9.7	10.0	10.4
62.5°	6.1	6.6	7.2	7.7	8.2	8.7	9.2	9.6	10.0	10.4	10.7
61.25°	6.3	6.9	7.5	8.0	8.5	9.0	9.5	9.9	10.3	10.7	11.1
60°	6.6	7.2	7.8	8.3	8.8	9.4	9.8	10.2	10.6	11.0	11.4
58.75°	6.9	7.5	8.0	8.6	9.1	9.6	10.1	10.5	10.9	11.3	11.7
57.5°	7.1	7.7	8.3	8.9	9.5	9.9	10.3	10.8	11.2	11.6	12.0
56.25°	7.4	8.0	8.6	9.2	9.7	10.1	10.6	11.0	11.5	11.9	12.4
55°	7.6	8.2	8.8	9.4	9.9	10.4	10.9	11.3	11.8	12.2	12.7
53.75°	7.8	8.4	9.1	9.7	10.2	10.6	11.1	11.6	12.1	12.5	13.0
52.5°	8.0	8.7	9.3	9.9	10.4	10.9	11.4	11.9	12.4	12.8	13.3
51.25°	8.2	8.9	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6
50°	8.4	9.1	9.7	10.3	10.8	11.3	11.9	12.4	12.9	13.4	13.9
48.75°	8.6	9.3	9.9	10.5	11.0	11.6	12.1	12.6	13.2	13.7	14.2
47.5°	8.8	9.5	10.1	10.7	11.2	11.8	12.3	12.9	13.4	14.0	14.5
46.25°	9.0	9.7	10.3	10.9	11.4	12.0	12.6	13.1	13.7	14.3	15.0
45°	9.2	9.9	10.5	11.0	11.6	12.2	12.8	13.4	14.0	14.5	15.6
43.75°	9.4	10.0	10.6	11.2	11.8	12.4	13.0	13.6	14.2	15.0	16.2
42.5°	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.5	16.7
41.25°	9.7	10.3	11.0	11.6	12.2	12.8	13.5	14.1	14.8	16.0	17.3
40°	9.8	10.5	11.1	11.8	12.4	13.0	13.7	14.3	15.3	16.5	17.8
38.75°	10.0	10.6	11.3	11.9	12.6	13.2	13.9	14.5	15.7	17.0	18.3
37.5°	10.1	10.8	11.4	12.1	12.7	13.4	14.1	14.8	16.2	17.5	18.8
36.25°	10.2	10.9	11.6	12.2	12.9	13.6	14.3	15.3	16.6	18.0	19.2
35°	10.3	11.0	11.7	12.4	13.1	13.8	14.4	15.7	17.1	18.4	19.6



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	10.5	11.2	11.8	12.5	13.2	13.9	14.7	16.1	17.5	18.8	20.0
32.5°	10.6	11.3	12.0	12.7	13.4	14.1	15.0	16.5	17.9	19.2	20.4
31.25°	10.7	11.4	12.1	12.8	13.5	14.3	15.4	16.8	18.3	19.5	20.8
30°	10.8	11.5	12.2	13.0	13.7	14.4	15.7	17.2	18.6	19.9	21.1
28.75°	10.9	11.6	12.4	13.1	13.8	14.6	16.0	17.5	18.9	20.2	21.6
27.5°	11.0	11.7	12.5	13.2	14.0	14.8	16.4	17.9	19.2	20.5	22.0
26.25°	11.1	11.8	12.6	13.3	14.1	15.1	16.7	18.2	19.5	20.8	22.4
25°	11.2	11.9	12.7	13.5	14.2	15.4	16.9	18.5	19.8	21.1	22.8
23.75°	11.2	12.0	12.8	13.6	14.3	15.6	17.2	18.7	20.1	21.5	23.2
22.5°	11.3	12.1	12.9	13.7	14.4	15.9	17.5	18.9	20.3	21.8	23.6
21.25°	11.4	12.2	13.0	13.8	14.6	16.1	17.7	19.2	20.6	22.2	23.9
20°	11.5	12.3	13.1	13.9	14.7	16.3	18.0	19.4	20.8	22.5	24.2
18.75°	11.5	12.3	13.1	13.9	14.9	16.6	18.2	19.6	21.0	22.8	24.5
17.5°	11.6	12.4	13.2	14.0	15.1	16.8	18.4	19.8	21.2	23.0	24.8
16.25°	11.7	12.5	13.3	14.1	15.3	16.9	18.5	20.0	21.5	23.3	25.1
15°	11.7	12.5	13.4	14.2	15.4	17.1	18.7	20.1	21.7	23.5	25.2
13.75°	11.8	12.6	13.4	14.2	15.6	17.3	18.8	20.3	21.9	23.7	25.4
12.5°	11.8	12.7	13.5	14.3	15.7	17.4	19.0	20.4	22.1	23.9	25.6
11.25°	11.9	12.7	13.5	14.4	15.8	17.5	19.1	20.6	22.3	24.1	25.8
10°	11.9	12.7	13.6	14.4	15.9	17.7	19.2	20.7	22.4	24.3	25.9
8.75°	11.9	12.8	13.6	14.5	16.0	17.8	19.3	20.8	22.6	24.4	26.0
7.5°	12.0	12.8	13.7	14.5	16.1	17.9	19.4	20.9	22.7	24.6	26.1
6.25°	12.0	12.8	13.7	14.5	16.2	17.9	19.4	20.9	22.8	24.7	26.2
5°	12.0	12.9	13.7	14.6	16.2	18.0	19.5	21.0	22.9	24.7	26.3
3.75°	12.0	12.9	13.7	14.6	16.3	18.0	19.5	21.0	22.9	24.8	26.3
2.5°	12.0	12.9	13.7	14.6	16.3	18.1	19.6	21.1	23.0	24.9	26.4
1.25°	12.0	12.9	13.7	14.6	16.3	18.1	19.6	21.1	23.0	24.9	26.4
0°	12.1	12.9	13.8	14.6	16.4	18.1	19.6	21.1	23.0	24.9	26.4
-1.25°	12.0	12.9	13.7	14.6	16.3	18.1	19.6	21.1	23.0	24.9	26.4
-2.5°	12.0	12.9	13.7	14.6	16.3	18.1	19.6	21.1	23.0	24.9	26.4
-3.75°	12.0	12.9	13.7	14.6	16.3	18.0	19.5	21.0	22.9	24.8	26.3
-5°	12.0	12.9	13.7	14.6	16.2	18.0	19.5	21.0	22.9	24.7	26.3
-6.25°	12.0	12.8	13.7	14.5	16.2	17.9	19.4	20.9	22.8	24.7	26.2
-7.5°	12.0	12.8	13.7	14.5	16.1	17.9	19.4	20.9	22.7	24.6	26.1
-8.75°	11.9	12.8	13.6	14.5	16.0	17.8	19.3	20.8	22.6	24.4	26.0
-10°	11.9	12.7	13.6	14.4	15.9	17.7	19.2	20.7	22.4	24.3	25.9
-11.25°	11.9	12.7	13.5	14.4	15.8	17.5	19.1	20.6	22.3	24.1	25.8
-12.5°	11.8	12.7	13.5	14.3	15.7	17.4	19.0	20.4	22.1	23.9	25.6
-13.75°	11.8	12.6	13.4	14.2	15.6	17.3	18.8	20.3	21.9	23.7	25.4
-15°	11.7	12.5	13.4	14.2	15.4	17.1	18.7	20.1	21.7	23.5	25.2
-16.25°	11.7	12.5	13.3	14.1	15.3	16.9	18.5	20.0	21.5	23.3	25.1
-17.5°	11.6	12.4	13.2	14.0	15.1	16.8	18.4	19.8	21.2	23.0	24.8
-18.75°	11.5	12.3	13.1	13.9	14.9	16.6	18.2	19.6	21.0	22.8	24.5
-20°	11.5	12.3	13.1	13.9	14.7	16.3	18.0	19.4	20.8	22.5	24.2
-21.25°	11.4	12.2	13.0	13.8	14.6	16.1	17.7	19.2	20.6	22.2	23.9



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	11.3	12.1	12.9	13.7	14.4	15.9	17.5	18.9	20.3	21.8	23.6
-23.75°	11.2	12.0	12.8	13.6	14.3	15.6	17.2	18.7	20.1	21.5	23.2
-25°	11.2	11.9	12.7	13.5	14.2	15.4	16.9	18.5	19.8	21.1	22.8
-26.25°	11.1	11.8	12.6	13.3	14.1	15.1	16.7	18.2	19.5	20.8	22.4
-27.5°	11.0	11.7	12.5	13.2	14.0	14.8	16.4	17.9	19.2	20.5	22.0
-28.75°	10.9	11.6	12.4	13.1	13.8	14.6	16.0	17.5	18.9	20.2	21.6
-30°	10.8	11.5	12.2	13.0	13.7	14.4	15.7	17.2	18.6	19.9	21.1
-31.25°	10.7	11.4	12.1	12.8	13.5	14.3	15.4	16.8	18.3	19.5	20.8
-32.5°	10.6	11.3	12.0	12.7	13.4	14.1	15.0	16.5	17.9	19.2	20.4
-33.75°	10.5	11.2	11.8	12.5	13.2	13.9	14.7	16.1	17.5	18.8	20.0
-35°	10.3	11.0	11.7	12.4	13.1	13.8	14.4	15.7	17.1	18.4	19.6
-36.25°	10.2	10.9	11.6	12.2	12.9	13.6	14.3	15.3	16.6	18.0	19.2
-37.5°	10.1	10.8	11.4	12.1	12.7	13.4	14.1	14.8	16.2	17.5	18.8
-38.75°	10.0	10.6	11.3	11.9	12.6	13.2	13.9	14.5	15.7	17.0	18.3
-40°	9.8	10.5	11.1	11.8	12.4	13.0	13.7	14.3	15.3	16.5	17.8
-41.25°	9.7	10.3	11.0	11.6	12.2	12.8	13.5	14.1	14.8	16.0	17.3
-42.5°	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.5	16.7
-43.75°	9.4	10.0	10.6	11.2	11.8	12.4	13.0	13.6	14.2	15.0	16.2
-45°	9.2	9.9	10.5	11.0	11.6	12.2	12.8	13.4	14.0	14.5	15.6
-46.25°	9.0	9.7	10.3	10.9	11.4	12.0	12.6	13.1	13.7	14.3	15.0
-47.5°	8.8	9.5	10.1	10.7	11.2	11.8	12.3	12.9	13.4	14.0	14.5
-48.75°	8.6	9.3	9.9	10.5	11.0	11.6	12.1	12.6	13.2	13.7	14.2
-50°	8.4	9.1	9.7	10.3	10.8	11.3	11.9	12.4	12.9	13.4	13.9
-51.25°	8.2	8.9	9.6	10.1	10.6	11.1	11.6	12.1	12.6	13.1	13.6
-52.5°	8.0	8.7	9.3	9.9	10.4	10.9	11.4	11.9	12.4	12.8	13.3
-53.75°	7.8	8.4	9.1	9.7	10.2	10.6	11.1	11.6	12.1	12.5	13.0
-55°	7.6	8.2	8.8	9.4	9.9	10.4	10.9	11.3	11.8	12.2	12.7
-56.25°	7.4	8.0	8.6	9.2	9.7	10.1	10.6	11.0	11.5	11.9	12.4
-57.5°	7.1	7.7	8.3	8.9	9.5	9.9	10.3	10.8	11.2	11.6	12.0
-58.75°	6.9	7.5	8.0	8.6	9.1	9.6	10.1	10.5	10.9	11.3	11.7
-60°	6.6	7.2	7.8	8.3	8.8	9.4	9.8	10.2	10.6	11.0	11.4
-61.25°	6.3	6.9	7.5	8.0	8.5	9.0	9.5	9.9	10.3	10.7	11.1
-62.5°	6.1	6.6	7.2	7.7	8.2	8.7	9.2	9.6	10.0	10.4	10.7
-63.75°	5.8	6.3	6.9	7.4	7.9	8.4	8.8	9.3	9.7	10.0	10.4
-65°	5.5	6.0	6.6	7.1	7.6	8.0	8.5	8.9	9.3	9.7	10.0
-66.25°	5.2	5.7	6.2	6.7	7.2	7.7	8.1	8.5	8.9	9.3	9.7
-67.5°	4.9	5.4	5.9	6.4	6.8	7.3	7.7	8.1	8.5	8.9	9.3
-68.75°	4.6	5.1	5.6	6.0	6.5	6.9	7.3	7.7	8.1	8.5	8.8
-70°	4.3	4.8	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.0	8.4
-71.25°	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.8	7.2	7.6	7.9
-72.5°	3.8	4.1	4.5	4.9	5.3	5.6	6.0	6.4	6.7	7.1	7.4
-73.75°	3.5	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.2	6.6	6.9
-75°	3.2	3.5	3.8	4.1	4.5	4.8	5.1	5.4	5.7	6.0	6.3
-76.25°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5	5.8
-77.5°	2.6	2.8	3.1	3.4	3.6	3.9	4.2	4.4	4.7	5.0	5.2



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	2.3	2.5	2.8	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6
-80°	2.0	2.2	2.4	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.1
-81.25°	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5
-82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9
-83.75°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.4
-85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
-86.25°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4
-87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9
-88.75°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
-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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7
87.5°	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3
86.25°	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0
85°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8
83.75°	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7
82.5°	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5
81.25°	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3
80°	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2
78.75°	4.9	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	7.0
77.5°	5.5	5.7	6.0	6.2	6.4	6.7	6.9	7.1	7.4	7.6	7.7
76.25°	6.1	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4
75°	6.6	6.9	7.2	7.5	7.7	8.0	8.2	8.4	8.7	8.9	9.1
73.75°	7.2	7.5	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.6	9.7
72.5°	7.7	8.0	8.3	8.6	8.9	9.2	9.4	9.7	9.9	10.1	10.3
71.25°	8.2	8.5	8.8	9.1	9.5	9.7	9.9	10.2	10.4	10.6	10.8
70°	8.7	9.0	9.4	9.6	9.9	10.1	10.4	10.6	10.9	11.1	11.3
68.75°	9.2	9.5	9.8	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.9
67.5°	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.6	11.9	12.1	12.4
66.25°	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.6	12.9
65°	10.4	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4
63.75°	10.7	11.1	11.4	11.7	12.0	12.4	12.7	13.0	13.3	13.6	13.9
62.5°	11.1	11.4	11.8	12.1	12.5	12.8	13.1	13.5	13.8	14.1	14.4
61.25°	11.4	11.8	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.6	15.3
60°	11.8	12.2	12.5	12.9	13.3	13.7	14.0	14.4	14.9	15.6	16.3
58.75°	12.1	12.5	12.9	13.3	13.7	14.1	14.5	15.1	15.9	16.6	17.4
57.5°	12.5	12.9	13.3	13.7	14.1	14.5	15.2	16.0	16.8	17.6	18.3
56.25°	12.8	13.2	13.7	14.1	14.5	15.3	16.1	17.0	17.8	18.5	19.2
55°	13.1	13.6	14.0	14.5	15.2	16.1	17.0	17.9	18.6	19.3	20.1
53.75°	13.5	13.9	14.4	15.1	16.0	17.0	17.9	18.7	19.4	20.2	20.9
52.5°	13.8	14.3	14.9	15.9	16.8	17.8	18.6	19.4	20.2	21.0	21.9
51.25°	14.1	14.6	15.6	16.6	17.6	18.5	19.3	20.2	21.0	22.0	23.0
50°	14.4	15.3	16.3	17.4	18.3	19.2	20.1	20.9	21.9	23.0	24.0
48.75°	14.9	16.0	17.0	18.1	19.0	19.9	20.8	21.8	22.9	23.9	25.0
47.5°	15.5	16.6	17.7	18.7	19.6	20.6	21.6	22.7	23.8	24.9	25.8
46.25°	16.2	17.3	18.4	19.3	20.3	21.2	22.4	23.6	24.7	25.7	26.6
45°	16.8	17.9	18.9	19.9	20.9	22.1	23.3	24.5	25.5	26.4	27.3
43.75°	17.4	18.5	19.5	20.5	21.6	22.9	24.1	25.2	26.2	27.2	28.1
42.5°	18.0	19.0	20.1	21.1	22.4	23.7	24.9	25.9	26.9	27.9	28.7
41.25°	18.5	19.5	20.6	21.8	23.1	24.4	25.6	26.6	27.6	28.5	29.4
40°	19.0	20.0	21.1	22.5	23.8	25.1	26.2	27.2	28.2	29.1	30.0
38.75°	19.4	20.5	21.8	23.2	24.6	25.7	26.8	27.9	28.8	29.7	30.6
37.5°	19.9	21.0	22.4	23.8	25.2	26.3	27.4	28.4	29.3	30.3	30.9
36.25°	20.3	21.6	23.0	24.5	25.7	26.8	28.0	28.9	29.9	30.7	31.3
35°	20.8	22.2	23.7	25.1	26.2	27.4	28.4	29.4	30.4	31.1	31.7



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°
33.75°	21.2	22.7	24.2	25.6	26.7	27.9	28.9	29.9	30.8	31.4	32.1
32.5°	21.7	23.3	24.8	26.0	27.2	28.4	29.4	30.4	31.1	31.8	32.5
31.25°	22.2	23.8	25.3	26.5	27.7	28.8	29.8	30.7	31.4	32.1	32.9
30°	22.7	24.3	25.7	26.9	28.1	29.2	30.3	31.0	31.7	32.5	33.4
28.75°	23.2	24.8	26.1	27.4	28.5	29.6	30.6	31.3	32.0	32.9	33.8
27.5°	23.7	25.2	26.5	27.8	28.9	30.0	30.9	31.6	32.4	33.3	34.2
26.25°	24.1	25.6	26.9	28.1	29.3	30.4	31.2	31.9	32.7	33.7	34.5
25°	24.5	25.9	27.2	28.5	29.6	30.7	31.4	32.1	33.1	34.0	34.8
23.75°	24.9	26.2	27.6	28.8	29.9	30.9	31.6	32.4	33.4	34.4	35.1
22.5°	25.2	26.6	27.9	29.1	30.3	31.1	31.9	32.7	33.7	34.6	35.4
21.25°	25.5	26.9	28.2	29.4	30.5	31.3	32.1	33.0	34.0	34.9	35.6
20°	25.8	27.1	28.4	29.6	30.7	31.5	32.3	33.3	34.3	35.1	35.9
18.75°	26.0	27.4	28.7	29.9	30.9	31.7	32.5	33.6	34.5	35.3	36.1
17.5°	26.3	27.7	28.9	30.1	31.1	31.9	32.8	33.8	34.7	35.5	36.3
16.25°	26.5	27.9	29.1	30.4	31.2	32.0	33.0	34.0	34.9	35.7	36.5
15°	26.7	28.1	29.3	30.5	31.4	32.2	33.2	34.3	35.1	35.9	36.7
13.75°	26.9	28.3	29.5	30.7	31.5	32.3	33.4	34.4	35.3	36.1	36.9
12.5°	27.1	28.4	29.7	30.8	31.6	32.5	33.6	34.6	35.4	36.2	37.0
11.25°	27.2	28.6	29.8	30.9	31.7	32.7	33.7	34.7	35.5	36.4	37.2
10°	27.4	28.7	30.0	31.0	31.8	32.8	33.9	34.8	35.6	36.5	37.3
8.75°	27.5	28.8	30.1	31.1	31.9	32.9	34.0	34.9	35.8	36.6	37.4
7.5°	27.6	28.9	30.2	31.1	32.0	33.0	34.1	35.0	35.8	36.7	37.5
6.25°	27.7	29.0	30.3	31.2	32.1	33.1	34.2	35.1	35.9	36.8	37.6
5°	27.8	29.1	30.4	31.3	32.1	33.2	34.3	35.1	36.0	36.8	37.7
3.75°	27.8	29.1	30.4	31.3	32.1	33.2	34.3	35.2	36.0	36.9	37.7
2.5°	27.9	29.2	30.5	31.3	32.2	33.3	34.4	35.2	36.1	36.9	37.8
1.25°	27.9	29.2	30.5	31.3	32.2	33.3	34.4	35.2	36.1	36.9	37.8
0°	27.9	29.2	30.5	31.4	32.2	33.3	34.4	35.3	36.1	37.0	37.8
-1.25°	27.9	29.2	30.5	31.3	32.2	33.3	34.4	35.2	36.1	36.9	37.8
-2.5°	27.9	29.2	30.5	31.3	32.2	33.3	34.4	35.2	36.1	36.9	37.8
-3.75°	27.8	29.1	30.4	31.3	32.1	33.2	34.3	35.2	36.0	36.9	37.7
-5°	27.8	29.1	30.4	31.3	32.1	33.2	34.3	35.1	36.0	36.8	37.7
-6.25°	27.7	29.0	30.3	31.2	32.1	33.1	34.2	35.1	35.9	36.8	37.6
-7.5°	27.6	28.9	30.2	31.1	32.0	33.0	34.1	35.0	35.8	36.7	37.5
-8.75°	27.5	28.8	30.1	31.1	31.9	32.9	34.0	34.9	35.8	36.6	37.4
-10°	27.4	28.7	30.0	31.0	31.8	32.8	33.9	34.8	35.6	36.5	37.3
-11.25°	27.2	28.6	29.8	30.9	31.7	32.7	33.7	34.7	35.5	36.4	37.2
-12.5°	27.1	28.4	29.7	30.8	31.6	32.5	33.6	34.6	35.4	36.2	37.0
-13.75°	26.9	28.3	29.5	30.7	31.5	32.3	33.4	34.4	35.3	36.1	36.9
-15°	26.7	28.1	29.3	30.5	31.4	32.2	33.2	34.3	35.1	35.9	36.7
-16.25°	26.5	27.9	29.1	30.4	31.2	32.0	33.0	34.0	34.9	35.7	36.5
-17.5°	26.3	27.7	28.9	30.1	31.1	31.9	32.8	33.8	34.7	35.5	36.3
-18.75°	26.0	27.4	28.7	29.9	30.9	31.7	32.5	33.6	34.5	35.3	36.1
-20°	25.8	27.1	28.4	29.6	30.7	31.5	32.3	33.3	34.3	35.1	35.9
-21.25°	25.5	26.9	28.2	29.4	30.5	31.3	32.1	33.0	34.0	34.9	35.6





REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°
-22.5°	25.2	26.6	27.9	29.1	30.3	31.1	31.9	32.7	33.7	34.6	35.4
-23.75°	24.9	26.2	27.6	28.8	29.9	30.9	31.6	32.4	33.4	34.4	35.1
-25°	24.5	25.9	27.2	28.5	29.6	30.7	31.4	32.1	33.1	34.0	34.8
-26.25°	24.1	25.6	26.9	28.1	29.3	30.4	31.2	31.9	32.7	33.7	34.5
-27.5°	23.7	25.2	26.5	27.8	28.9	30.0	30.9	31.6	32.4	33.3	34.2
-28.75°	23.2	24.8	26.1	27.4	28.5	29.6	30.6	31.3	32.0	32.9	33.8
-30°	22.7	24.3	25.7	26.9	28.1	29.2	30.3	31.0	31.7	32.5	33.4
-31.25°	22.2	23.8	25.3	26.5	27.7	28.8	29.8	30.7	31.4	32.1	32.9
-32.5°	21.7	23.3	24.8	26.0	27.2	28.4	29.4	30.4	31.1	31.8	32.5
-33.75°	21.2	22.7	24.2	25.6	26.7	27.9	28.9	29.9	30.8	31.4	32.1
-35°	20.8	22.2	23.7	25.1	26.2	27.4	28.4	29.4	30.4	31.1	31.7
-36.25°	20.3	21.6	23.0	24.5	25.7	26.8	28.0	28.9	29.9	30.7	31.3
-37.5°	19.9	21.0	22.4	23.8	25.2	26.3	27.4	28.4	29.3	30.3	30.9
-38.75°	19.4	20.5	21.8	23.2	24.6	25.7	26.8	27.9	28.8	29.7	30.6
-40°	19.0	20.0	21.1	22.5	23.8	25.1	26.2	27.2	28.2	29.1	30.0
-41.25°	18.5	19.5	20.6	21.8	23.1	24.4	25.6	26.6	27.6	28.5	29.4
-42.5°	18.0	19.0	20.1	21.1	22.4	23.7	24.9	25.9	26.9	27.9	28.7
-43.75°	17.4	18.5	19.5	20.5	21.6	22.9	24.1	25.2	26.2	27.2	28.1
-45°	16.8	17.9	18.9	19.9	20.9	22.1	23.3	24.5	25.5	26.4	27.3
-46.25°	16.2	17.3	18.4	19.3	20.3	21.2	22.4	23.6	24.7	25.7	26.6
-47.5°	15.5	16.6	17.7	18.7	19.6	20.6	21.6	22.7	23.8	24.9	25.8
-48.75°	14.9	16.0	17.0	18.1	19.0	19.9	20.8	21.8	22.9	23.9	25.0
-50°	14.4	15.3	16.3	17.4	18.3	19.2	20.1	20.9	21.9	23.0	24.0
-51.25°	14.1	14.6	15.6	16.6	17.6	18.5	19.3	20.2	21.0	22.0	23.0
-52.5°	13.8	14.3	14.9	15.9	16.8	17.8	18.6	19.4	20.2	21.0	21.9
-53.75°	13.5	13.9	14.4	15.1	16.0	17.0	17.9	18.7	19.4	20.2	20.9
-55°	13.1	13.6	14.0	14.5	15.2	16.1	17.0	17.9	18.6	19.3	20.1
-56.25°	12.8	13.2	13.7	14.1	14.5	15.3	16.1	17.0	17.8	18.5	19.2
-57.5°	12.5	12.9	13.3	13.7	14.1	14.5	15.2	16.0	16.8	17.6	18.3
-58.75°	12.1	12.5	12.9	13.3	13.7	14.1	14.5	15.1	15.9	16.6	17.4
-60°	11.8	12.2	12.5	12.9	13.3	13.7	14.0	14.4	14.9	15.6	16.3
-61.25°	11.4	11.8	12.2	12.5	12.9	13.2	13.6	13.9	14.3	14.6	15.3
-62.5°	11.1	11.4	11.8	12.1	12.5	12.8	13.1	13.5	13.8	14.1	14.4
-63.75°	10.7	11.1	11.4	11.7	12.0	12.4	12.7	13.0	13.3	13.6	13.9
-65°	10.4	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4
-66.25°	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.6	12.9
-67.5°	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.6	11.9	12.1	12.4
-68.75°	9.2	9.5	9.8	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.9
-70°	8.7	9.0	9.4	9.6	9.9	10.1	10.4	10.6	10.9	11.1	11.3
-71.25°	8.2	8.5	8.8	9.1	9.5	9.7	9.9	10.2	10.4	10.6	10.8
-72.5°	7.7	8.0	8.3	8.6	8.9	9.2	9.4	9.7	9.9	10.1	10.3
-73.75°	7.2	7.5	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.6	9.7
-75°	6.6	6.9	7.2	7.5	7.7	8.0	8.2	8.4	8.7	8.9	9.1
-76.25°	6.1	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4
-77.5°	5.5	5.7	6.0	6.2	6.4	6.7	6.9	7.1	7.4	7.6	7.7



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	4.9	5.1	5.3	5.5	5.8	6.0	6.2	6.4	6.6	6.8	7.0
-80°	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2
-81.25°	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3
-82.5°	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5
-83.75°	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.5	3.6	3.7
-85°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8
-86.25°	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0
-87.5°	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3
-88.75°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
86.25°	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6
85°	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.6	3.7
83.75°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7
82.5°	4.6	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8
81.25°	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8
80°	6.3	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.5	7.7	7.8
78.75°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.7
77.5°	7.9	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.3	9.4	9.5
76.25°	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.8	10.0	10.1	10.2
75°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9
73.75°	9.9	10.1	10.3	10.5	10.6	10.8	11.0	11.1	11.3	11.4	11.6
72.5°	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.2
71.25°	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.7	12.9
70°	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6
68.75°	12.1	12.3	12.6	12.8	13.0	13.2	13.5	13.7	13.9	14.1	14.3
67.5°	12.6	12.9	13.1	13.4	13.6	13.8	14.1	14.3	14.5	14.8	15.3
66.25°	13.2	13.4	13.7	14.0	14.2	14.4	14.8	15.3	15.7	16.2	16.6
65°	13.7	14.0	14.3	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
63.75°	14.2	14.5	15.0	15.6	16.2	16.7	17.3	17.8	18.3	18.8	19.2
62.5°	14.9	15.5	16.2	16.8	17.4	18.0	18.5	19.0	19.4	19.9	20.3
61.25°	16.0	16.6	17.3	17.9	18.5	19.0	19.5	20.0	20.5	21.0	21.6
60°	17.0	17.7	18.4	18.9	19.5	20.1	20.6	21.1	21.8	22.4	23.0
58.75°	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.5	23.2	23.8	24.5
57.5°	19.0	19.6	20.3	20.9	21.6	22.4	23.1	23.8	24.6	25.2	25.7
56.25°	19.9	20.6	21.2	22.1	22.9	23.7	24.4	25.1	25.7	26.3	26.8
55°	20.8	21.6	22.4	23.3	24.1	24.9	25.6	26.2	26.8	27.4	28.0
53.75°	21.8	22.7	23.6	24.5	25.2	25.9	26.6	27.2	27.9	28.4	28.9
52.5°	22.9	23.8	24.7	25.5	26.2	26.9	27.6	28.2	28.8	29.3	29.9
51.25°	23.9	24.9	25.7	26.4	27.2	27.9	28.5	29.1	29.7	30.3	30.7
50°	25.0	25.8	26.6	27.3	28.1	28.7	29.4	30.0	30.6	30.9	31.3
48.75°	25.8	26.6	27.5	28.2	28.9	29.5	30.2	30.7	31.1	31.5	31.9
47.5°	26.6	27.5	28.3	29.0	29.7	30.4	30.9	31.3	31.7	32.1	32.7
46.25°	27.5	28.3	29.0	29.7	30.5	30.9	31.4	31.9	32.3	32.9	33.4
45°	28.2	29.0	29.7	30.5	31.0	31.5	31.9	32.5	33.1	33.6	34.2
43.75°	28.9	29.7	30.5	31.0	31.5	32.0	32.5	33.2	33.8	34.4	34.8
42.5°	29.5	30.4	30.9	31.5	32.0	32.6	33.2	33.9	34.5	34.9	35.4
41.25°	30.2	30.9	31.4	31.9	32.5	33.2	33.9	34.5	35.0	35.5	36.0
40°	30.7	31.3	31.9	32.5	33.2	33.9	34.5	35.0	35.5	36.1	36.5
38.75°	31.1	31.7	32.3	33.1	33.8	34.5	35.0	35.5	36.1	36.6	37.1
37.5°	31.5	32.1	32.9	33.6	34.4	34.9	35.5	36.1	36.6	37.1	37.6
36.25°	31.9	32.7	33.4	34.2	34.8	35.4	36.0	36.5	37.1	37.6	38.6
35°	32.4	33.2	34.0	34.7	35.3	35.9	36.5	37.0	37.6	38.5	39.7



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	32.9	33.7	34.5	35.1	35.7	36.3	36.9	37.5	38.4	39.6	40.8
32.5°	33.3	34.2	34.9	35.5	36.1	36.7	37.4	38.1	39.4	40.6	42.7
31.25°	33.8	34.6	35.2	35.9	36.5	37.2	37.8	39.1	40.3	42.1	45.6
30°	34.2	34.9	35.6	36.3	36.9	37.6	38.7	40.0	41.3	44.9	48.4
28.75°	34.6	35.3	36.0	36.7	37.3	38.2	39.5	40.9	43.8	47.5	51.2
27.5°	34.9	35.6	36.3	37.0	37.7	39.0	40.4	42.5	46.3	50.1	55.8
26.25°	35.3	36.0	36.7	37.4	38.3	39.8	41.2	44.9	48.8	53.7	60.3
25°	35.6	36.3	37.0	37.7	39.1	40.5	43.1	47.1	51.1	57.9	64.7
23.75°	35.8	36.6	37.3	38.3	39.7	41.2	45.2	49.3	55.0	62.0	68.9
22.5°	36.1	36.9	37.6	38.9	40.4	43.0	47.2	51.5	58.7	65.9	73.2
21.25°	36.4	37.1	38.0	39.5	41.0	44.9	49.2	55.0	62.4	69.7	77.3
20°	36.6	37.4	38.5	40.1	42.3	46.7	51.0	58.4	65.8	73.5	81.2
18.75°	36.9	37.6	39.1	40.6	43.9	48.3	53.9	61.5	69.1	77.0	84.9
17.5°	37.1	38.0	39.6	41.2	45.4	49.9	56.8	64.5	72.4	80.4	89.0
16.25°	37.3	38.4	40.0	42.3	46.9	51.6	59.5	67.3	75.5	83.6	93.2
15°	37.5	38.8	40.5	43.6	48.2	54.0	62.0	70.0	78.3	86.6	97.2
13.75°	37.7	39.2	40.9	44.8	49.5	56.3	64.3	72.6	81.0	90.2	100.9
12.5°	37.9	39.6	41.2	45.9	50.6	58.3	66.5	74.9	83.4	93.5	104.4
11.25°	38.2	39.9	42.1	46.9	52.0	60.2	68.5	77.1	85.7	96.5	107.5
10°	38.5	40.2	43.0	47.8	53.6	61.9	70.3	79.0	88.1	99.2	110.3
8.75°	38.7	40.4	43.7	48.6	55.0	63.4	72.0	80.7	90.4	101.6	112.9
7.5°	39.0	40.7	44.4	49.3	56.3	64.7	73.4	82.2	92.4	103.7	115.1
6.25°	39.1	40.9	45.0	49.9	57.4	65.9	74.6	83.5	94.1	105.5	116.9
5°	39.3	41.0	45.4	50.3	58.2	66.8	75.6	84.5	95.5	107.0	118.5
3.75°	39.4	41.1	45.8	50.7	58.9	67.5	76.4	85.3	96.6	108.1	119.7
2.5°	39.5	41.2	46.0	51.0	59.4	68.0	77.0	85.9	97.4	108.9	120.6
1.25°	39.5	41.3	46.2	51.1	59.7	68.3	77.3	86.3	97.8	109.4	121.1
0°	39.6	41.3	46.3	51.2	59.8	68.4	77.4	86.4	98.0	109.6	121.3
-1.25°	39.5	41.3	46.2	51.1	59.7	68.3	77.3	86.3	97.8	109.4	121.1
-2.5°	39.5	41.2	46.0	51.0	59.4	68.0	77.0	85.9	97.4	108.9	120.6
-3.75°	39.4	41.1	45.8	50.7	58.9	67.5	76.4	85.3	96.6	108.1	119.7
-5°	39.3	41.0	45.4	50.3	58.2	66.8	75.6	84.5	95.5	107.0	118.5
-6.25°	39.1	40.9	45.0	49.9	57.4	65.9	74.6	83.5	94.1	105.5	116.9
-7.5°	39.0	40.7	44.4	49.3	56.3	64.7	73.4	82.2	92.4	103.7	115.1
-8.75°	38.7	40.4	43.7	48.6	55.0	63.4	72.0	80.7	90.4	101.6	112.9
-10°	38.5	40.2	43.0	47.8	53.6	61.9	70.3	79.0	88.1	99.2	110.3
-11.25°	38.2	39.9	42.1	46.9	52.0	60.2	68.5	77.1	85.7	96.5	107.5
-12.5°	37.9	39.6	41.2	45.9	50.6	58.3	66.5	74.9	83.4	93.5	104.4
-13.75°	37.7	39.2	40.9	44.8	49.5	56.3	64.3	72.6	81.0	90.2	100.9
-15°	37.5	38.8	40.5	43.6	48.2	54.0	62.0	70.0	78.3	86.6	97.2
-16.25°	37.3	38.4	40.0	42.3	46.9	51.6	59.5	67.3	75.5	83.6	93.2
-17.5°	37.1	38.0	39.6	41.2	45.4	49.9	56.8	64.5	72.4	80.4	89.0
-18.75°	36.9	37.6	39.1	40.6	43.9	48.3	53.9	61.5	69.1	77.0	84.9
-20°	36.6	37.4	38.5	40.1	42.3	46.7	51.0	58.4	65.8	73.5	81.2
-21.25°	36.4	37.1	38.0	39.5	41.0	44.9	49.2	55.0	62.4	69.7	77.3



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	36.1	36.9	37.6	38.9	40.4	43.0	47.2	51.5	58.7	65.9	73.2
-23.75°	35.8	36.6	37.3	38.3	39.7	41.2	45.2	49.3	55.0	62.0	68.9
-25°	35.6	36.3	37.0	37.7	39.1	40.5	43.1	47.1	51.1	57.9	64.7
-26.25°	35.3	36.0	36.7	37.4	38.3	39.8	41.2	44.9	48.8	53.7	60.3
-27.5°	34.9	35.6	36.3	37.0	37.7	39.0	40.4	42.5	46.3	50.1	55.8
-28.75°	34.6	35.3	36.0	36.7	37.3	38.2	39.5	40.9	43.8	47.5	51.2
-30°	34.2	34.9	35.6	36.3	36.9	37.6	38.7	40.0	41.3	44.9	48.4
-31.25°	33.8	34.6	35.2	35.9	36.5	37.2	37.8	39.1	40.3	42.1	45.6
-32.5°	33.3	34.2	34.9	35.5	36.1	36.7	37.4	38.1	39.4	40.6	42.7
-33.75°	32.9	33.7	34.5	35.1	35.7	36.3	36.9	37.5	38.4	39.6	40.8
-35°	32.4	33.2	34.0	34.7	35.3	35.9	36.5	37.0	37.6	38.5	39.7
-36.25°	31.9	32.7	33.4	34.2	34.8	35.4	36.0	36.5	37.1	37.6	38.6
-37.5°	31.5	32.1	32.9	33.6	34.4	34.9	35.5	36.1	36.6	37.1	37.6
-38.75°	31.1	31.7	32.3	33.1	33.8	34.5	35.0	35.5	36.1	36.6	37.1
-40°	30.7	31.3	31.9	32.5	33.2	33.9	34.5	35.0	35.5	36.1	36.5
-41.25°	30.2	30.9	31.4	31.9	32.5	33.2	33.9	34.5	35.0	35.5	36.0
-42.5°	29.5	30.4	30.9	31.5	32.0	32.6	33.2	33.9	34.5	34.9	35.4
-43.75°	28.9	29.7	30.5	31.0	31.5	32.0	32.5	33.2	33.8	34.4	34.8
-45°	28.2	29.0	29.7	30.5	31.0	31.5	31.9	32.5	33.1	33.6	34.2
-46.25°	27.5	28.3	29.0	29.7	30.5	30.9	31.4	31.9	32.3	32.9	33.4
-47.5°	26.6	27.5	28.3	29.0	29.7	30.4	30.9	31.3	31.7	32.1	32.7
-48.75°	25.8	26.6	27.5	28.2	28.9	29.5	30.2	30.7	31.1	31.5	31.9
-50°	25.0	25.8	26.6	27.3	28.1	28.7	29.4	30.0	30.6	30.9	31.3
-51.25°	23.9	24.9	25.7	26.4	27.2	27.9	28.5	29.1	29.7	30.3	30.7
-52.5°	22.9	23.8	24.7	25.5	26.2	26.9	27.6	28.2	28.8	29.3	29.9
-53.75°	21.8	22.7	23.6	24.5	25.2	25.9	26.6	27.2	27.9	28.4	28.9
-55°	20.8	21.6	22.4	23.3	24.1	24.9	25.6	26.2	26.8	27.4	28.0
-56.25°	19.9	20.6	21.2	22.1	22.9	23.7	24.4	25.1	25.7	26.3	26.8
-57.5°	19.0	19.6	20.3	20.9	21.6	22.4	23.1	23.8	24.6	25.2	25.7
-58.75°	18.1	18.7	19.3	19.9	20.5	21.1	21.8	22.5	23.2	23.8	24.5
-60°	17.0	17.7	18.4	18.9	19.5	20.1	20.6	21.1	21.8	22.4	23.0
-61.25°	16.0	16.6	17.3	17.9	18.5	19.0	19.5	20.0	20.5	21.0	21.6
-62.5°	14.9	15.5	16.2	16.8	17.4	18.0	18.5	19.0	19.4	19.9	20.3
-63.75°	14.2	14.5	15.0	15.6	16.2	16.7	17.3	17.8	18.3	18.8	19.2
-65°	13.7	14.0	14.3	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0
-66.25°	13.2	13.4	13.7	14.0	14.2	14.4	14.8	15.3	15.7	16.2	16.6
-67.5°	12.6	12.9	13.1	13.4	13.6	13.8	14.1	14.3	14.5	14.8	15.3
-68.75°	12.1	12.3	12.6	12.8	13.0	13.2	13.5	13.7	13.9	14.1	14.3
-70°	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6
-71.25°	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.7	12.9
-72.5°	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.2
-73.75°	9.9	10.1	10.3	10.5	10.6	10.8	11.0	11.1	11.3	11.4	11.6
-75°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.8	10.9
-76.25°	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.8	10.0	10.1	10.2
-77.5°	7.9	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.3	9.4	9.5



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.7
-80°	6.3	6.5	6.7	6.8	7.0	7.1	7.3	7.4	7.5	7.7	7.8
-81.25°	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8
-82.5°	4.6	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8
-83.75°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7
-85°	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.6	3.7
-86.25°	2.1	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6
-87.5°	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
-88.75°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
87.5°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
86.25°	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1
85°	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
83.75°	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.4	5.5
82.5°	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7
81.25°	6.9	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.7	7.8
80°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.8
78.75°	8.8	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.6	9.7	9.8
77.5°	9.6	9.7	9.9	10.0	10.0	10.1	10.2	10.3	10.4	10.5	10.5
76.25°	10.3	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
75°	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1
73.75°	11.7	11.8	12.0	12.1	12.2	12.4	12.5	12.6	12.7	12.8	12.9
72.5°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.3	13.5	13.6	13.7
71.25°	13.1	13.2	13.4	13.5	13.7	13.8	14.0	14.1	14.2	14.3	14.4
70°	13.8	13.9	14.1	14.3	14.4	14.6	14.8	15.1	15.4	15.6	15.9
68.75°	14.4	14.7	15.0	15.4	15.7	16.0	16.4	16.7	16.9	17.2	17.5
67.5°	15.7	16.1	16.5	16.8	17.2	17.5	17.9	18.2	18.5	18.7	18.9
66.25°	17.1	17.5	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.3
65°	18.4	18.8	19.2	19.5	19.9	20.2	20.5	20.8	21.1	21.5	21.8
63.75°	19.6	20.0	20.4	20.8	21.1	21.6	22.0	22.4	22.8	23.2	23.6
62.5°	20.8	21.2	21.7	22.2	22.7	23.2	23.7	24.1	24.5	24.9	25.2
61.25°	22.2	22.7	23.3	23.8	24.3	24.8	25.2	25.6	25.9	26.2	26.6
60°	23.7	24.2	24.8	25.3	25.7	26.1	26.5	26.9	27.2	27.6	27.9
58.75°	25.1	25.6	26.0	26.5	26.9	27.4	27.8	28.1	28.5	28.8	29.1
57.5°	26.2	26.7	27.2	27.7	28.1	28.5	28.9	29.3	29.6	29.9	30.3
56.25°	27.4	27.9	28.4	28.8	29.2	29.6	30.0	30.4	30.7	30.9	31.1
55°	28.4	28.9	29.4	29.8	30.3	30.6	30.9	31.2	31.4	31.6	31.9
53.75°	29.4	29.9	30.4	30.7	31.0	31.3	31.6	31.9	32.1	32.4	32.7
52.5°	30.4	30.8	31.1	31.4	31.7	32.0	32.4	32.7	33.1	33.4	33.7
51.25°	31.1	31.4	31.8	32.1	32.5	32.9	33.3	33.7	34.0	34.4	34.6
50°	31.7	32.1	32.5	32.9	33.4	33.8	34.2	34.5	34.8	35.1	35.4
48.75°	32.4	32.9	33.3	33.8	34.2	34.6	34.9	35.3	35.6	35.8	36.1
47.5°	33.2	33.7	34.2	34.6	34.9	35.3	35.6	36.0	36.3	36.6	36.9
46.25°	34.0	34.5	34.9	35.2	35.6	36.0	36.3	36.7	37.0	37.3	37.6
45°	34.7	35.1	35.5	35.9	36.3	36.7	37.0	37.4	37.7	38.3	38.9
43.75°	35.3	35.7	36.1	36.5	36.9	37.3	37.7	38.3	39.1	39.7	40.4
42.5°	35.9	36.3	36.7	37.2	37.6	38.2	39.0	39.8	40.5	41.2	43.0
41.25°	36.5	36.9	37.4	37.8	38.7	39.5	40.4	41.2	43.1	45.2	47.2
40°	37.0	37.5	38.1	39.1	40.0	40.9	42.5	44.9	47.1	49.3	51.5
38.75°	37.6	38.4	39.4	40.3	41.3	43.8	46.3	48.8	51.1	55.0	58.7
37.5°	38.5	39.6	40.6	42.1	44.9	47.5	50.1	53.7	57.9	62.0	65.9
36.25°	39.7	40.8	42.7	45.6	48.4	51.2	55.8	60.3	64.7	68.9	73.2
35°	40.8	43.0	46.0	49.0	52.5	57.4	62.2	66.9	71.5	76.1	80.5



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	43.0	46.2	49.3	53.3	58.5	63.6	68.5	73.6	78.5	83.2	88.2
32.5°	46.0	49.3	53.5	59.0	64.4	69.7	75.1	80.3	85.3	91.3	97.4
31.25°	49.0	53.3	59.0	64.7	70.3	76.0	81.5	87.0	93.7	100.2	106.5
30°	52.5	58.5	64.4	70.3	76.3	82.1	88.2	95.3	102.3	109.0	115.6
28.75°	57.4	63.6	69.7	76.0	82.1	88.6	96.1	103.5	110.7	117.7	124.5
27.5°	62.2	68.5	75.1	81.5	88.2	96.1	103.9	111.5	119.0	126.2	133.3
26.25°	66.9	73.6	80.3	87.0	95.3	103.5	111.5	119.4	127.1	135.1	144.9
25°	71.5	78.5	85.3	93.7	102.3	110.7	119.0	127.1	135.7	146.1	156.2
23.75°	76.1	83.2	91.3	100.2	109.0	117.7	126.2	135.1	146.1	156.8	167.7
22.5°	80.5	88.2	97.4	106.5	115.6	124.5	133.3	144.9	156.2	167.7	180.1
21.25°	84.7	93.8	103.3	112.6	121.9	131.0	142.4	154.3	166.2	179.4	192.2
20°	89.5	99.2	108.9	118.5	127.9	138.8	151.2	163.4	177.1	190.7	204.5
18.75°	94.4	104.4	114.3	124.1	134.0	146.9	159.6	173.4	187.6	201.8	217.8
17.5°	99.2	109.3	119.4	129.4	141.5	154.6	168.2	183.0	197.6	213.8	237.9
16.25°	103.6	113.9	124.2	134.9	148.5	161.9	177.0	192.2	208.3	230.2	266.8
15°	107.8	118.3	128.7	141.3	155.1	169.6	185.3	200.9	219.6	250.5	301.0
13.75°	111.6	122.3	133.0	147.2	161.3	177.0	193.1	210.3	235.3	279.0	340.2
12.5°	115.2	126.1	138.2	152.7	167.5	184.0	200.3	220.2	254.5	310.4	380.2
11.25°	118.5	129.5	143.1	157.7	173.5	190.3	208.0	233.1	277.9	342.8	418.4
10°	121.5	132.6	147.4	162.2	179.0	196.1	215.0	245.5	302.1	374.9	455.5
8.75°	124.1	136.2	151.3	166.6	184.0	201.4	223.6	263.7	327.2	404.8	488.9
7.5°	126.4	139.5	154.7	170.7	188.3	206.6	232.4	279.7	349.4	431.8	517.2
6.25°	128.4	142.2	157.6	174.2	191.9	211.0	239.9	294.3	370.5	455.7	541.3
5°	130.0	144.5	159.9	177.1	195.0	214.7	247.7	309.2	388.2	475.6	561.4
3.75°	131.3	146.3	161.8	179.4	197.3	217.8	256.1	320.9	402.1	491.2	575.9
2.5°	132.2	147.5	163.1	181.0	199.0	221.1	262.1	329.3	412.1	502.0	586.3
1.25°	132.7	148.3	163.9	182.0	200.1	223.1	265.8	334.3	418.1	508.4	592.6
0°	132.9	148.6	164.2	182.3	200.4	223.8	267.0	336.0	420.1	510.6	594.7
-1.25°	132.7	148.3	163.9	182.0	200.1	223.1	265.8	334.3	418.1	508.4	592.6
-2.5°	132.2	147.5	163.1	181.0	199.0	221.1	262.1	329.3	412.1	502.0	586.3
-3.75°	131.3	146.3	161.8	179.4	197.3	217.8	256.1	320.9	402.1	491.2	575.9
-5°	130.0	144.5	159.9	177.1	195.0	214.7	247.7	309.2	388.2	475.6	561.4
-6.25°	128.4	142.2	157.6	174.2	191.9	211.0	239.9	294.3	370.5	455.7	541.3
-7.5°	126.4	139.5	154.7	170.7	188.3	206.6	232.4	279.7	349.4	431.8	517.2
-8.75°	124.1	136.2	151.3	166.6	184.0	201.4	223.6	263.7	327.2	404.8	488.9
-10°	121.5	132.6	147.4	162.2	179.0	196.1	215.0	245.5	302.1	374.9	455.5
-11.25°	118.5	129.5	143.1	157.7	173.5	190.3	208.0	233.1	277.9	342.8	418.4
-12.5°	115.2	126.1	138.2	152.7	167.5	184.0	200.3	220.2	254.5	310.4	380.2
-13.75°	111.6	122.3	133.0	147.2	161.3	177.0	193.1	210.3	235.3	279.0	340.2
-15°	107.8	118.3	128.7	141.3	155.1	169.6	185.3	200.9	219.6	250.5	301.0
-16.25°	103.6	113.9	124.2	134.9	148.5	161.9	177.0	192.2	208.3	230.2	266.8
-17.5°	99.2	109.3	119.4	129.4	141.5	154.6	168.2	183.0	197.6	213.8	237.9
-18.75°	94.4	104.4	114.3	124.1	134.0	146.9	159.6	173.4	187.6	201.8	217.8
-20°	89.5	99.2	108.9	118.5	127.9	138.8	151.2	163.4	177.1	190.7	204.5
-21.25°	84.7	93.8	103.3	112.6	121.9	131.0	142.4	154.3	166.2	179.4	192.2





REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	80.5	88.2	97.4	106.5	115.6	124.5	133.3	144.9	156.2	167.7	180.1
-23.75°	76.1	83.2	91.3	100.2	109.0	117.7	126.2	135.1	146.1	156.8	167.7
-25°	71.5	78.5	85.3	93.7	102.3	110.7	119.0	127.1	135.7	146.1	156.2
-26.25°	66.9	73.6	80.3	87.0	95.3	103.5	111.5	119.4	127.1	135.1	144.9
-27.5°	62.2	68.5	75.1	81.5	88.2	96.1	103.9	111.5	119.0	126.2	133.3
-28.75°	57.4	63.6	69.7	76.0	82.1	88.6	96.1	103.5	110.7	117.7	124.5
-30°	52.5	58.5	64.4	70.3	76.3	82.1	88.2	95.3	102.3	109.0	115.6
-31.25°	49.0	53.3	59.0	64.7	70.3	76.0	81.5	87.0	93.7	100.2	106.5
-32.5°	46.0	49.3	53.5	59.0	64.4	69.7	75.1	80.3	85.3	91.3	97.4
-33.75°	43.0	46.2	49.3	53.3	58.5	63.6	68.5	73.6	78.5	83.2	88.2
-35°	40.8	43.0	46.0	49.0	52.5	57.4	62.2	66.9	71.5	76.1	80.5
-36.25°	39.7	40.8	42.7	45.6	48.4	51.2	55.8	60.3	64.7	68.9	73.2
-37.5°	38.5	39.6	40.6	42.1	44.9	47.5	50.1	53.7	57.9	62.0	65.9
-38.75°	37.6	38.4	39.4	40.3	41.3	43.8	46.3	48.8	51.1	55.0	58.7
-40°	37.0	37.5	38.1	39.1	40.0	40.9	42.5	44.9	47.1	49.3	51.5
-41.25°	36.5	36.9	37.4	37.8	38.7	39.5	40.4	41.2	43.1	45.2	47.2
-42.5°	35.9	36.3	36.7	37.2	37.6	38.2	39.0	39.8	40.5	41.2	43.0
-43.75°	35.3	35.7	36.1	36.5	36.9	37.3	37.7	38.3	39.1	39.7	40.4
-45°	34.7	35.1	35.5	35.9	36.3	36.7	37.0	37.4	37.7	38.3	38.9
-46.25°	34.0	34.5	34.9	35.2	35.6	36.0	36.3	36.7	37.0	37.3	37.6
-47.5°	33.2	33.7	34.2	34.6	34.9	35.3	35.6	36.0	36.3	36.6	36.9
-48.75°	32.4	32.9	33.3	33.8	34.2	34.6	34.9	35.3	35.6	35.8	36.1
-50°	31.7	32.1	32.5	32.9	33.4	33.8	34.2	34.5	34.8	35.1	35.4
-51.25°	31.1	31.4	31.8	32.1	32.5	32.9	33.3	33.7	34.0	34.4	34.6
-52.5°	30.4	30.8	31.1	31.4	31.7	32.0	32.4	32.7	33.1	33.4	33.7
-53.75°	29.4	29.9	30.4	30.7	31.0	31.3	31.6	31.9	32.1	32.4	32.7
-55°	28.4	28.9	29.4	29.8	30.3	30.6	30.9	31.2	31.4	31.6	31.9
-56.25°	27.4	27.9	28.4	28.8	29.2	29.6	30.0	30.4	30.7	30.9	31.1
-57.5°	26.2	26.7	27.2	27.7	28.1	28.5	28.9	29.3	29.6	29.9	30.3
-58.75°	25.1	25.6	26.0	26.5	26.9	27.4	27.8	28.1	28.5	28.8	29.1
-60°	23.7	24.2	24.8	25.3	25.7	26.1	26.5	26.9	27.2	27.6	27.9
-61.25°	22.2	22.7	23.3	23.8	24.3	24.8	25.2	25.6	25.9	26.2	26.6
-62.5°	20.8	21.2	21.7	22.2	22.7	23.2	23.7	24.1	24.5	24.9	25.2
-63.75°	19.6	20.0	20.4	20.8	21.1	21.6	22.0	22.4	22.8	23.2	23.6
-65°	18.4	18.8	19.2	19.5	19.9	20.2	20.5	20.8	21.1	21.5	21.8
-66.25°	17.1	17.5	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.3
-67.5°	15.7	16.1	16.5	16.8	17.2	17.5	17.9	18.2	18.5	18.7	18.9
-68.75°	14.4	14.7	15.0	15.4	15.7	16.0	16.4	16.7	16.9	17.2	17.5
-70°	13.8	13.9	14.1	14.3	14.4	14.6	14.8	15.1	15.4	15.6	15.9
-71.25°	13.1	13.2	13.4	13.5	13.7	13.8	14.0	14.1	14.2	14.3	14.4
-72.5°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.3	13.5	13.6	13.7
-73.75°	11.7	11.8	12.0	12.1	12.2	12.4	12.5	12.6	12.7	12.8	12.9
-75°	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1
-76.25°	10.3	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
-77.5°	9.6	9.7	9.9	10.0	10.0	10.1	10.2	10.3	10.4	10.5	10.5



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	8.8	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.6	9.7	9.8
-80°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.7	8.8
-81.25°	6.9	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.7	7.7	7.8
-82.5°	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7
-83.75°	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.4	5.5
-85°	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3
-86.25°	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1
-87.5°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
86.25°	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4
85°	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6
83.75°	5.6	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
82.5°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2
81.25°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
80°	8.9	9.0	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
78.75°	9.8	9.9	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.2	10.3
77.5°	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.0	11.1	11.1
76.25°	11.4	11.5	11.5	11.6	11.7	11.7	11.8	11.8	11.9	11.9	11.9
75°	12.2	12.3	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.7	12.8
73.75°	13.0	13.1	13.1	13.2	13.3	13.4	13.4	13.5	13.5	13.6	13.6
72.5°	13.8	13.9	13.9	14.0	14.1	14.2	14.2	14.3	14.4	14.4	14.5
71.25°	14.6	14.7	14.9	15.1	15.3	15.4	15.6	15.7	15.8	15.9	16.0
70°	16.1	16.3	16.6	16.8	16.9	17.1	17.3	17.4	17.5	17.7	17.8
68.75°	17.7	18.0	18.2	18.4	18.5	18.7	18.8	19.0	19.1	19.2	19.3
67.5°	19.2	19.4	19.6	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.8
66.25°	20.6	20.8	21.0	21.2	21.5	21.7	21.9	22.1	22.3	22.4	22.6
65°	22.2	22.5	22.8	23.0	23.3	23.5	23.7	23.9	24.1	24.3	24.4
63.75°	23.9	24.2	24.5	24.8	25.1	25.2	25.4	25.6	25.8	25.9	26.0
62.5°	25.5	25.8	26.0	26.3	26.5	26.7	26.9	27.1	27.2	27.4	27.5
61.25°	26.9	27.1	27.4	27.7	27.9	28.1	28.3	28.4	28.6	28.7	28.8
60°	28.2	28.4	28.7	28.9	29.1	29.3	29.5	29.7	29.8	30.0	30.1
58.75°	29.4	29.6	29.9	30.1	30.4	30.5	30.7	30.8	30.9	31.0	31.1
57.5°	30.5	30.7	30.9	31.1	31.2	31.4	31.5	31.6	31.7	31.8	31.9
56.25°	31.3	31.5	31.7	31.9	32.0	32.2	32.3	32.5	32.7	32.8	32.9
55°	32.1	32.3	32.5	32.8	33.0	33.2	33.4	33.6	33.7	33.9	34.0
53.75°	33.0	33.3	33.6	33.8	34.0	34.3	34.4	34.6	34.7	34.8	34.9
52.5°	34.0	34.3	34.5	34.7	34.9	35.1	35.3	35.4	35.5	35.6	35.8
51.25°	34.9	35.1	35.3	35.5	35.7	35.9	36.1	36.2	36.4	36.5	36.6
50°	35.6	35.9	36.1	36.3	36.5	36.7	36.9	37.0	37.2	37.3	37.4
48.75°	36.4	36.6	36.9	37.1	37.3	37.5	37.7	37.9	38.2	38.5	38.7
47.5°	37.1	37.4	37.6	38.0	38.4	38.8	39.2	39.6	39.9	40.2	40.4
46.25°	38.0	38.5	39.1	39.6	40.0	40.5	40.9	41.2	42.1	43.0	43.7
45°	39.5	40.1	40.6	41.2	42.3	43.6	44.8	45.9	46.9	47.8	48.6
43.75°	41.0	42.3	43.9	45.4	46.9	48.2	49.5	50.6	52.0	53.6	55.0
42.5°	44.9	46.7	48.3	49.9	51.6	54.0	56.3	58.3	60.2	61.9	63.4
41.25°	49.2	51.0	53.9	56.8	59.5	62.0	64.3	66.5	68.5	70.3	72.0
40°	55.0	58.4	61.5	64.5	67.3	70.0	72.6	74.9	77.1	79.0	80.7
38.75°	62.4	65.8	69.1	72.4	75.5	78.3	81.0	83.4	85.7	88.1	90.4
37.5°	69.7	73.5	77.0	80.4	83.6	86.6	90.2	93.5	96.5	99.2	101.6
36.25°	77.3	81.2	84.9	89.0	93.2	97.2	100.9	104.4	107.5	110.3	112.9
35°	84.7	89.5	94.4	99.2	103.6	107.8	111.6	115.2	118.5	121.5	124.1



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	93.8	99.2	104.4	109.3	113.9	118.3	122.3	126.1	129.5	132.6	136.2
32.5°	103.3	108.9	114.3	119.4	124.2	128.7	133.0	138.2	143.1	147.4	151.3
31.25°	112.6	118.5	124.1	129.4	134.9	141.3	147.2	152.7	157.7	162.2	166.6
30°	121.9	127.9	134.0	141.5	148.5	155.1	161.3	167.5	173.5	179.0	184.0
28.75°	131.0	138.8	146.9	154.6	161.9	169.6	177.0	184.0	190.3	196.1	201.4
27.5°	142.4	151.2	159.6	168.2	177.0	185.3	193.1	200.3	208.0	215.0	223.6
26.25°	154.3	163.4	173.4	183.0	192.2	200.9	210.3	220.2	233.1	245.5	263.7
25°	166.2	177.1	187.6	197.6	208.3	219.6	235.3	254.5	277.9	302.1	327.2
23.75°	179.4	190.7	201.8	213.8	230.2	250.5	279.0	310.4	342.8	374.9	404.8
22.5°	192.2	204.5	217.8	237.9	266.8	301.0	340.2	380.2	418.4	455.5	488.9
21.25°	205.4	220.8	242.5	277.8	319.5	364.4	410.7	456.2	498.6	535.9	568.9
20°	220.8	244.2	283.3	330.7	381.7	433.7	485.2	531.6	573.4	609.4	638.4
18.75°	242.5	283.3	334.5	390.4	448.0	504.2	555.6	600.4	638.3	667.7	687.7
17.5°	277.8	330.7	390.4	452.8	513.6	569.5	618.7	656.6	685.1	704.9	720.7
16.25°	319.5	381.7	448.0	513.6	574.0	627.7	667.7	694.8	716.0	734.1	751.4
15°	364.4	433.7	504.2	569.5	627.7	671.4	699.7	722.7	743.7	763.8	782.3
13.75°	410.7	485.2	555.6	618.7	667.7	699.7	724.9	748.6	771.4	792.8	812.4
12.5°	456.2	531.6	600.4	656.6	694.8	722.7	748.6	774.0	798.1	820.6	840.7
11.25°	498.6	573.4	638.3	685.1	716.0	743.7	771.4	798.1	823.3	846.4	871.2
10°	535.9	609.4	667.7	704.9	734.1	763.8	792.8	820.6	846.4	874.7	902.6
8.75°	568.9	638.4	687.7	720.7	751.4	782.3	812.4	840.7	871.2	902.6	932.9
7.5°	596.1	660.8	702.8	734.6	766.9	798.8	829.6	860.8	894.7	928.7	960.0
6.25°	619.5	678.6	714.7	747.2	780.4	813.2	844.5	879.6	916.1	951.6	982.9
5°	636.2	688.8	724.0	757.7	791.7	825.1	858.7	896.3	934.7	970.4	1001.7
3.75°	648.1	696.8	731.5	766.1	800.7	834.4	870.4	909.7	949.3	984.7	1015.3
2.5°	656.6	702.6	737.0	772.1	807.2	841.1	879.0	919.7	959.5	995.1	1025.3
1.25°	661.8	706.1	740.4	775.8	811.1	845.2	884.4	925.8	965.8	1001.4	1031.0
0°	663.6	707.3	741.5	777.0	812.4	846.6	886.3	927.9	967.9	1003.6	1032.9
-1.25°	661.8	706.1	740.4	775.8	811.1	845.2	884.4	925.8	965.8	1001.4	1031.0
-2.5°	656.6	702.6	737.0	772.1	807.2	841.1	879.0	919.7	959.5	995.1	1025.3
-3.75°	648.1	696.8	731.5	766.1	800.7	834.4	870.4	909.7	949.3	984.7	1015.3
-5°	636.2	688.8	724.0	757.7	791.7	825.1	858.7	896.3	934.7	970.4	1001.7
-6.25°	619.5	678.6	714.7	747.2	780.4	813.2	844.5	879.6	916.1	951.6	982.9
-7.5°	596.1	660.8	702.8	734.6	766.9	798.8	829.6	860.8	894.7	928.7	960.0
-8.75°	568.9	638.4	687.7	720.7	751.4	782.3	812.4	840.7	871.2	902.6	932.9
-10°	535.9	609.4	667.7	704.9	734.1	763.8	792.8	820.6	846.4	874.7	902.6
-11.25°	498.6	573.4	638.3	685.1	716.0	743.7	771.4	798.1	823.3	846.4	871.2
-12.5°	456.2	531.6	600.4	656.6	694.8	722.7	748.6	774.0	798.1	820.6	840.7
-13.75°	410.7	485.2	555.6	618.7	667.7	699.7	724.9	748.6	771.4	792.8	812.4
-15°	364.4	433.7	504.2	569.5	627.7	671.4	699.7	722.7	743.7	763.8	782.3
-16.25°	319.5	381.7	448.0	513.6	574.0	627.7	667.7	694.8	716.0	734.1	751.4
-17.5°	277.8	330.7	390.4	452.8	513.6	569.5	618.7	656.6	685.1	704.9	720.7
-18.75°	242.5	283.3	334.5	390.4	448.0	504.2	555.6	600.4	638.3	667.7	687.7
-20°	220.8	244.2	283.3	330.7	381.7	433.7	485.2	531.6	573.4	609.4	638.4
-21.25°	205.4	220.8	242.5	277.8	319.5	364.4	410.7	456.2	498.6	535.9	568.9



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 CATALOG NUMBER: 1003-[A1, 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°
-22.5°	192.2	204.5	217.8	237.9	266.8	301.0	340.2	380.2	418.4	455.5	488.9
-23.75°	179.4	190.7	201.8	213.8	230.2	250.5	279.0	310.4	342.8	374.9	404.8
-25°	166.2	177.1	187.6	197.6	208.3	219.6	235.3	254.5	277.9	302.1	327.2
-26.25°	154.3	163.4	173.4	183.0	192.2	200.9	210.3	220.2	233.1	245.5	263.7
-27.5°	142.4	151.2	159.6	168.2	177.0	185.3	193.1	200.3	208.0	215.0	223.6
-28.75°	131.0	138.8	146.9	154.6	161.9	169.6	177.0	184.0	190.3	196.1	201.4
-30°	121.9	127.9	134.0	141.5	148.5	155.1	161.3	167.5	173.5	179.0	184.0
-31.25°	112.6	118.5	124.1	129.4	134.9	141.3	147.2	152.7	157.7	162.2	166.6
-32.5°	103.3	108.9	114.3	119.4	124.2	128.7	133.0	138.2	143.1	147.4	151.3
-33.75°	93.8	99.2	104.4	109.3	113.9	118.3	122.3	126.1	129.5	132.6	136.2
-35°	84.7	89.5	94.4	99.2	103.6	107.8	111.6	115.2	118.5	121.5	124.1
-36.25°	77.3	81.2	84.9	89.0	93.2	97.2	100.9	104.4	107.5	110.3	112.9
-37.5°	69.7	73.5	77.0	80.4	83.6	86.6	90.2	93.5	96.5	99.2	101.6
-38.75°	62.4	65.8	69.1	72.4	75.5	78.3	81.0	83.4	85.7	88.1	90.4
-40°	55.0	58.4	61.5	64.5	67.3	70.0	72.6	74.9	77.1	79.0	80.7
-41.25°	49.2	51.0	53.9	56.8	59.5	62.0	64.3	66.5	68.5	70.3	72.0
-42.5°	44.9	46.7	48.3	49.9	51.6	54.0	56.3	58.3	60.2	61.9	63.4
-43.75°	41.0	42.3	43.9	45.4	46.9	48.2	49.5	50.6	52.0	53.6	55.0
-45°	39.5	40.1	40.6	41.2	42.3	43.6	44.8	45.9	46.9	47.8	48.6
-46.25°	38.0	38.5	39.1	39.6	40.0	40.5	40.9	41.2	42.1	43.0	43.7
-47.5°	37.1	37.4	37.6	38.0	38.4	38.8	39.2	39.6	39.9	40.2	40.4
-48.75°	36.4	36.6	36.9	37.1	37.3	37.5	37.7	37.9	38.2	38.5	38.7
-50°	35.6	35.9	36.1	36.3	36.5	36.7	36.9	37.0	37.2	37.3	37.4
-51.25°	34.9	35.1	35.3	35.5	35.7	35.9	36.1	36.2	36.4	36.5	36.6
-52.5°	34.0	34.3	34.5	34.7	34.9	35.1	35.3	35.4	35.5	35.6	35.8
-53.75°	33.0	33.3	33.6	33.8	34.0	34.3	34.4	34.6	34.7	34.8	34.9
-55°	32.1	32.3	32.5	32.8	33.0	33.2	33.4	33.6	33.7	33.9	34.0
-56.25°	31.3	31.5	31.7	31.9	32.0	32.2	32.3	32.5	32.7	32.8	32.9
-57.5°	30.5	30.7	30.9	31.1	31.2	31.4	31.5	31.6	31.7	31.8	31.9
-58.75°	29.4	29.6	29.9	30.1	30.4	30.5	30.7	30.8	30.9	31.0	31.1
-60°	28.2	28.4	28.7	28.9	29.1	29.3	29.5	29.7	29.8	30.0	30.1
-61.25°	26.9	27.1	27.4	27.7	27.9	28.1	28.3	28.4	28.6	28.7	28.8
-62.5°	25.5	25.8	26.0	26.3	26.5	26.7	26.9	27.1	27.2	27.4	27.5
-63.75°	23.9	24.2	24.5	24.8	25.1	25.2	25.4	25.6	25.8	25.9	26.0
-65°	22.2	22.5	22.8	23.0	23.3	23.5	23.7	23.9	24.1	24.3	24.4
-66.25°	20.6	20.8	21.0	21.2	21.5	21.7	21.9	22.1	22.3	22.4	22.6
-67.5°	19.2	19.4	19.6	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.8
-68.75°	17.7	18.0	18.2	18.4	18.5	18.7	18.8	19.0	19.1	19.2	19.3
-70°	16.1	16.3	16.6	16.8	16.9	17.1	17.3	17.4	17.5	17.7	17.8
-71.25°	14.6	14.7	14.9	15.1	15.3	15.4	15.6	15.7	15.8	15.9	16.0
-72.5°	13.8	13.9	13.9	14.0	14.1	14.2	14.2	14.3	14.4	14.4	14.5
-73.75°	13.0	13.1	13.1	13.2	13.3	13.4	13.4	13.5	13.5	13.6	13.6
-75°	12.2	12.3	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.7	12.8
-76.25°	11.4	11.5	11.5	11.6	11.7	11.7	11.8	11.8	11.9	11.9	11.9
-77.5°	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.0	11.1	11.1



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	9.8	9.9	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.2	10.3
-80°	8.9	9.0	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-81.25°	7.9	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
-82.5°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2
-83.75°	5.6	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
-85°	4.3	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6
-86.25°	3.1	3.2	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4
-87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
86.25°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
83.75°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
82.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
81.25°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
80°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
78.75°	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.3	10.3	10.3	10.3
77.5°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
76.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.0	12.0	12.0	12.0
75°	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
73.75°	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
72.5°	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
71.25°	16.1	16.2	16.2	16.3	16.3	16.3	16.4	16.3	16.3	16.3	16.2
70°	17.9	17.9	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.0	18.0
68.75°	19.4	19.4	19.5	19.5	19.6	19.6	19.6	19.6	19.6	19.5	19.5
67.5°	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.0	21.0
66.25°	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.9
65°	24.6	24.7	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.7
63.75°	26.1	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
62.5°	27.6	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.8
61.25°	28.9	29.0	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.1	29.1
60°	30.2	30.3	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.4	30.4
58.75°	31.1	31.2	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
57.5°	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
56.25°	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.2	33.2
55°	34.1	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.3	34.3
53.75°	35.0	35.1	35.1	35.2	35.2	35.2	35.3	35.2	35.2	35.2	35.1
52.5°	35.8	35.9	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.0	36.0
51.25°	36.7	36.8	36.8	36.9	36.9	36.9	37.0	36.9	36.9	36.9	36.8
50°	37.5	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.7	37.7
48.75°	39.0	39.1	39.3	39.4	39.5	39.5	39.6	39.5	39.5	39.4	39.3
47.5°	40.7	40.9	41.0	41.1	41.2	41.3	41.3	41.3	41.2	41.1	41.0
46.25°	44.4	45.0	45.4	45.8	46.0	46.2	46.3	46.2	46.0	45.8	45.4
45°	49.3	49.9	50.3	50.7	51.0	51.1	51.2	51.1	51.0	50.7	50.3
43.75°	56.3	57.4	58.2	58.9	59.4	59.7	59.8	59.7	59.4	58.9	58.2
42.5°	64.7	65.9	66.8	67.5	68.0	68.3	68.4	68.3	68.0	67.5	66.8
41.25°	73.4	74.6	75.6	76.4	77.0	77.3	77.4	77.3	77.0	76.4	75.6
40°	82.2	83.5	84.5	85.3	85.9	86.3	86.4	86.3	85.9	85.3	84.5
38.75°	92.4	94.1	95.5	96.6	97.4	97.8	98.0	97.8	97.4	96.6	95.5
37.5°	103.7	105.5	107.0	108.1	108.9	109.4	109.6	109.4	108.9	108.1	107.0
36.25°	115.1	116.9	118.5	119.7	120.6	121.1	121.3	121.1	120.6	119.7	118.5
35°	126.4	128.4	130.0	131.3	132.2	132.7	132.9	132.7	132.2	131.3	130.0



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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°	139.5	142.2	144.5	146.3	147.5	148.3	148.6	148.3	147.5	146.3	144.5
32.5°	154.7	157.6	159.9	161.8	163.1	163.9	164.2	163.9	163.1	161.8	159.9
31.25°	170.7	174.2	177.1	179.4	181.0	182.0	182.3	182.0	181.0	179.4	177.1
30°	188.3	191.9	195.0	197.3	199.0	200.1	200.4	200.1	199.0	197.3	195.0
28.75°	206.6	211.0	214.7	217.8	221.1	223.1	223.8	223.1	221.1	217.8	214.7
27.5°	232.4	239.9	247.7	256.1	262.1	265.8	267.0	265.8	262.1	256.1	247.7
26.25°	279.7	294.3	309.2	320.9	329.3	334.3	336.0	334.3	329.3	320.9	309.2
25°	349.4	370.5	388.2	402.1	412.1	418.1	420.1	418.1	412.1	402.1	388.2
23.75°	431.8	455.7	475.6	491.2	502.0	508.4	510.6	508.4	502.0	491.2	475.6
22.5°	517.2	541.3	561.4	575.9	586.3	592.6	594.7	592.6	586.3	575.9	561.4
21.25°	596.1	619.5	636.2	648.1	656.6	661.8	663.6	661.8	656.6	648.1	636.2
20°	660.8	678.6	688.8	696.8	702.6	706.1	707.3	706.1	702.6	696.8	688.8
18.75°	702.8	714.7	724.0	731.5	737.0	740.4	741.5	740.4	737.0	731.5	724.0
17.5°	734.6	747.2	757.7	766.1	772.1	775.8	777.0	775.8	772.1	766.1	757.7
16.25°	766.9	780.4	791.7	800.7	807.2	811.1	812.4	811.1	807.2	800.7	791.7
15°	798.8	813.2	825.1	834.4	841.1	845.2	846.6	845.2	841.1	834.4	825.1
13.75°	829.6	844.5	858.7	870.4	879.0	884.4	886.3	884.4	879.0	870.4	858.7
12.5°	860.8	879.6	896.3	909.7	919.7	925.8	927.9	925.8	919.7	909.7	896.3
11.25°	894.7	916.1	934.7	949.3	959.5	965.8	967.9	965.8	959.5	949.3	934.7
10°	928.7	951.6	970.4	984.7	995.1	1001.4	1003.6	1001.4	995.1	984.7	970.4
8.75°	960.0	982.9	1001.7	1015.3	1025.3	1031.0	1032.9	1031.0	1025.3	1015.3	1001.7
7.5°	987.0	1009.6	1027.5	1040.7	1050.3	1055.2	1056.9	1055.2	1050.3	1040.7	1027.5
6.25°	1009.6	1031.2	1048.7	1060.4	1068.0	1072.0	1073.4	1072.0	1068.0	1060.4	1048.7
5°	1027.5	1048.7	1063.9	1073.4	1078.5	1080.9	1081.8	1080.9	1078.5	1073.4	1063.9
3.75°	1040.7	1060.4	1073.4	1080.1	1083.1	1084.4	1084.4	1084.4	1083.1	1080.1	1073.4
2.5°	1050.3	1068.0	1078.5	1083.1	1084.4	1084.1	1083.6	1084.1	1084.4	1083.1	1078.5
1.25°	1055.2	1072.0	1080.9	1084.4	1084.1	1082.9	1083.3	1082.9	1084.1	1084.4	1080.9
0°	1056.9	1073.4	1081.8	1084.4	1083.6	1083.3	1086.5	1083.3	1083.6	1084.4	1081.8
-1.25°	1055.2	1072.0	1080.9	1084.4	1084.1	1082.9	1083.3	1082.9	1084.1	1084.4	1080.9
-2.5°	1050.3	1068.0	1078.5	1083.1	1084.4	1084.1	1083.6	1084.1	1084.4	1083.1	1078.5
-3.75°	1040.7	1060.4	1073.4	1080.1	1083.1	1084.4	1084.4	1084.4	1083.1	1080.1	1073.4
-5°	1027.5	1048.7	1063.9	1073.4	1078.5	1080.9	1081.8	1080.9	1078.5	1073.4	1063.9
-6.25°	1009.6	1031.2	1048.7	1060.4	1068.0	1072.0	1073.4	1072.0	1068.0	1060.4	1048.7
-7.5°	987.0	1009.6	1027.5	1040.7	1050.3	1055.2	1056.9	1055.2	1050.3	1040.7	1027.5
-8.75°	960.0	982.9	1001.7	1015.3	1025.3	1031.0	1032.9	1031.0	1025.3	1015.3	1001.7
-10°	928.7	951.6	970.4	984.7	995.1	1001.4	1003.6	1001.4	995.1	984.7	970.4
-11.25°	894.7	916.1	934.7	949.3	959.5	965.8	967.9	965.8	959.5	949.3	934.7
-12.5°	860.8	879.6	896.3	909.7	919.7	925.8	927.9	925.8	919.7	909.7	896.3
-13.75°	829.6	844.5	858.7	870.4	879.0	884.4	886.3	884.4	879.0	870.4	858.7
-15°	798.8	813.2	825.1	834.4	841.1	845.2	846.6	845.2	841.1	834.4	825.1
-16.25°	766.9	780.4	791.7	800.7	807.2	811.1	812.4	811.1	807.2	800.7	791.7
-17.5°	734.6	747.2	757.7	766.1	772.1	775.8	777.0	775.8	772.1	766.1	757.7
-18.75°	702.8	714.7	724.0	731.5	737.0	740.4	741.5	740.4	737.0	731.5	724.0
-20°	660.8	678.6	688.8	696.8	702.6	706.1	707.3	706.1	702.6	696.8	688.8
-21.25°	596.1	619.5	636.2	648.1	656.6	661.8	663.6	661.8	656.6	648.1	636.2





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 CATALOG NUMBER: 1003-[A1, 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°
-22.5°	517.2	541.3	561.4	575.9	586.3	592.6	594.7	592.6	586.3	575.9	561.4
-23.75°	431.8	455.7	475.6	491.2	502.0	508.4	510.6	508.4	502.0	491.2	475.6
-25°	349.4	370.5	388.2	402.1	412.1	418.1	420.1	418.1	412.1	402.1	388.2
-26.25°	279.7	294.3	309.2	320.9	329.3	334.3	336.0	334.3	329.3	320.9	309.2
-27.5°	232.4	239.9	247.7	256.1	262.1	265.8	267.0	265.8	262.1	256.1	247.7
-28.75°	206.6	211.0	214.7	217.8	221.1	223.1	223.8	223.1	221.1	217.8	214.7
-30°	188.3	191.9	195.0	197.3	199.0	200.1	200.4	200.1	199.0	197.3	195.0
-31.25°	170.7	174.2	177.1	179.4	181.0	182.0	182.3	182.0	181.0	179.4	177.1
-32.5°	154.7	157.6	159.9	161.8	163.1	163.9	164.2	163.9	163.1	161.8	159.9
-33.75°	139.5	142.2	144.5	146.3	147.5	148.3	148.6	148.3	147.5	146.3	144.5
-35°	126.4	128.4	130.0	131.3	132.2	132.7	132.9	132.7	132.2	131.3	130.0
-36.25°	115.1	116.9	118.5	119.7	120.6	121.1	121.3	121.1	120.6	119.7	118.5
-37.5°	103.7	105.5	107.0	108.1	108.9	109.4	109.6	109.4	108.9	108.1	107.0
-38.75°	92.4	94.1	95.5	96.6	97.4	97.8	98.0	97.8	97.4	96.6	95.5
-40°	82.2	83.5	84.5	85.3	85.9	86.3	86.4	86.3	85.9	85.3	84.5
-41.25°	73.4	74.6	75.6	76.4	77.0	77.3	77.4	77.3	77.0	76.4	75.6
-42.5°	64.7	65.9	66.8	67.5	68.0	68.3	68.4	68.3	68.0	67.5	66.8
-43.75°	56.3	57.4	58.2	58.9	59.4	59.7	59.8	59.7	59.4	58.9	58.2
-45°	49.3	49.9	50.3	50.7	51.0	51.1	51.2	51.1	51.0	50.7	50.3
-46.25°	44.4	45.0	45.4	45.8	46.0	46.2	46.3	46.2	46.0	45.8	45.4
-47.5°	40.7	40.9	41.0	41.1	41.2	41.3	41.3	41.3	41.2	41.1	41.0
-48.75°	39.0	39.1	39.3	39.4	39.5	39.5	39.6	39.5	39.5	39.4	39.3
-50°	37.5	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.7	37.7
-51.25°	36.7	36.8	36.8	36.9	36.9	36.9	37.0	36.9	36.9	36.9	36.8
-52.5°	35.8	35.9	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.0	36.0
-53.75°	35.0	35.1	35.1	35.2	35.2	35.2	35.3	35.2	35.2	35.2	35.1
-55°	34.1	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.3	34.3
-56.25°	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.2	33.2
-57.5°	32.0	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
-58.75°	31.1	31.2	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
-60°	30.2	30.3	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.4	30.4
-61.25°	28.9	29.0	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.1	29.1
-62.5°	27.6	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.8
-63.75°	26.1	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
-65°	24.6	24.7	24.7	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.7
-66.25°	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.9
-67.5°	20.9	20.9	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.0	21.0
-68.75°	19.4	19.4	19.5	19.5	19.6	19.6	19.6	19.6	19.6	19.5	19.5
-70°	17.9	17.9	18.0	18.0	18.1	18.1	18.1	18.1	18.1	18.0	18.0
-71.25°	16.1	16.2	16.2	16.3	16.3	16.3	16.4	16.3	16.3	16.3	16.2
-72.5°	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
-73.75°	13.7	13.7	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
-75°	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
-76.25°	12.0	12.0	12.0	12.0	12.0	12.0	12.1	12.0	12.0	12.0	12.0
-77.5°	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2



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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°	10.3	10.3	10.3	10.3	10.3	10.3	10.4	10.3	10.3	10.3	10.3
-80°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-81.25°	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-82.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
-83.75°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
-86.25°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
86.25°	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
85°	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4
83.75°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.7
82.5°	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9
81.25°	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0
80°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
78.75°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.1	10.0	10.0	9.9
77.5°	11.1	11.1	11.1	11.1	11.0	11.0	11.0	10.9	10.9	10.8	10.7
76.25°	12.0	12.0	11.9	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5
75°	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.4	12.3
73.75°	13.7	13.7	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1
72.5°	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9
71.25°	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.4	15.3	15.1	14.9
70°	17.9	17.9	17.8	17.7	17.5	17.4	17.3	17.1	16.9	16.8	16.6
68.75°	19.4	19.4	19.3	19.2	19.1	19.0	18.8	18.7	18.5	18.4	18.2
67.5°	20.9	20.9	20.8	20.7	20.6	20.4	20.3	20.1	20.0	19.8	19.6
66.25°	22.8	22.7	22.6	22.4	22.3	22.1	21.9	21.7	21.5	21.2	21.0
65°	24.7	24.6	24.4	24.3	24.1	23.9	23.7	23.5	23.3	23.0	22.8
63.75°	26.2	26.1	26.0	25.9	25.8	25.6	25.4	25.2	25.1	24.8	24.5
62.5°	27.7	27.6	27.5	27.4	27.2	27.1	26.9	26.7	26.5	26.3	26.0
61.25°	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.1	27.9	27.7	27.4
60°	30.3	30.2	30.1	30.0	29.8	29.7	29.5	29.3	29.1	28.9	28.7
58.75°	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.5	30.4	30.1	29.9
57.5°	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.2	31.1	30.9
56.25°	33.1	33.0	32.9	32.8	32.7	32.5	32.3	32.2	32.0	31.9	31.7
55°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.8	32.5
53.75°	35.1	35.0	34.9	34.8	34.7	34.6	34.4	34.3	34.0	33.8	33.6
52.5°	35.9	35.8	35.8	35.6	35.5	35.4	35.3	35.1	34.9	34.7	34.5
51.25°	36.8	36.7	36.6	36.5	36.4	36.2	36.1	35.9	35.7	35.5	35.3
50°	37.6	37.5	37.4	37.3	37.2	37.0	36.9	36.7	36.5	36.3	36.1
48.75°	39.1	39.0	38.7	38.5	38.2	37.9	37.7	37.5	37.3	37.1	36.9
47.5°	40.9	40.7	40.4	40.2	39.9	39.6	39.2	38.8	38.4	38.0	37.6
46.25°	45.0	44.4	43.7	43.0	42.1	41.2	40.9	40.5	40.0	39.6	39.1
45°	49.9	49.3	48.6	47.8	46.9	45.9	44.8	43.6	42.3	41.2	40.6
43.75°	57.4	56.3	55.0	53.6	52.0	50.6	49.5	48.2	46.9	45.4	43.9
42.5°	65.9	64.7	63.4	61.9	60.2	58.3	56.3	54.0	51.6	49.9	48.3
41.25°	74.6	73.4	72.0	70.3	68.5	66.5	64.3	62.0	59.5	56.8	53.9
40°	83.5	82.2	80.7	79.0	77.1	74.9	72.6	70.0	67.3	64.5	61.5
38.75°	94.1	92.4	90.4	88.1	85.7	83.4	81.0	78.3	75.5	72.4	69.1
37.5°	105.5	103.7	101.6	99.2	96.5	93.5	90.2	86.6	83.6	80.4	77.0
36.25°	116.9	115.1	112.9	110.3	107.5	104.4	100.9	97.2	93.2	89.0	84.9
35°	128.4	126.4	124.1	121.5	118.5	115.2	111.6	107.8	103.6	99.2	94.4



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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°
33.75°	142.2	139.5	136.2	132.6	129.5	126.1	122.3	118.3	113.9	109.3	104.4
32.5°	157.6	154.7	151.3	147.4	143.1	138.2	133.0	128.7	124.2	119.4	114.3
31.25°	174.2	170.7	166.6	162.2	157.7	152.7	147.2	141.3	134.9	129.4	124.1
30°	191.9	188.3	184.0	179.0	173.5	167.5	161.3	155.1	148.5	141.5	134.0
28.75°	211.0	206.6	201.4	196.1	190.3	184.0	177.0	169.6	161.9	154.6	146.9
27.5°	239.9	232.4	223.6	215.0	208.0	200.3	193.1	185.3	177.0	168.2	159.6
26.25°	294.3	279.7	263.7	245.5	233.1	220.2	210.3	200.9	192.2	183.0	173.4
25°	370.5	349.4	327.2	302.1	277.9	254.5	235.3	219.6	208.3	197.6	187.6
23.75°	455.7	431.8	404.8	374.9	342.8	310.4	279.0	250.5	230.2	213.8	201.8
22.5°	541.3	517.2	488.9	455.5	418.4	380.2	340.2	301.0	266.8	237.9	217.8
21.25°	619.5	596.1	568.9	535.9	498.6	456.2	410.7	364.4	319.5	277.8	242.5
20°	678.6	660.8	638.4	609.4	573.4	531.6	485.2	433.7	381.7	330.7	283.3
18.75°	714.7	702.8	687.7	667.7	638.3	600.4	555.6	504.2	448.0	390.4	334.5
17.5°	747.2	734.6	720.7	704.9	685.1	656.6	618.7	569.5	513.6	452.8	390.4
16.25°	780.4	766.9	751.4	734.1	716.0	694.8	667.7	627.7	574.0	513.6	448.0
15°	813.2	798.8	782.3	763.8	743.7	722.7	699.7	671.4	627.7	569.5	504.2
13.75°	844.5	829.6	812.4	792.8	771.4	748.6	724.9	699.7	667.7	618.7	555.6
12.5°	879.6	860.8	840.7	820.6	798.1	774.0	748.6	722.7	694.8	656.6	600.4
11.25°	916.1	894.7	871.2	846.4	823.3	798.1	771.4	743.7	716.0	685.1	638.3
10°	951.6	928.7	902.6	874.7	846.4	820.6	792.8	763.8	734.1	704.9	667.7
8.75°	982.9	960.0	932.9	902.6	871.2	840.7	812.4	782.3	751.4	720.7	687.7
7.5°	1009.6	987.0	960.0	928.7	894.7	860.8	829.6	798.8	766.9	734.6	702.8
6.25°	1031.2	1009.6	982.9	951.6	916.1	879.6	844.5	813.2	780.4	747.2	714.7
5°	1048.7	1027.5	1001.7	970.4	934.7	896.3	858.7	825.1	791.7	757.7	724.0
3.75°	1060.4	1040.7	1015.3	984.7	949.3	909.7	870.4	834.4	800.7	766.1	731.5
2.5°	1068.0	1050.3	1025.3	995.1	959.5	919.7	879.0	841.1	807.2	772.1	737.0
1.25°	1072.0	1055.2	1031.0	1001.4	965.8	925.8	884.4	845.2	811.1	775.8	740.4
0°	1073.4	1056.9	1032.9	1003.6	967.9	927.9	886.3	846.6	812.4	777.0	741.5
-1.25°	1072.0	1055.2	1031.0	1001.4	965.8	925.8	884.4	845.2	811.1	775.8	740.4
-2.5°	1068.0	1050.3	1025.3	995.1	959.5	919.7	879.0	841.1	807.2	772.1	737.0
-3.75°	1060.4	1040.7	1015.3	984.7	949.3	909.7	870.4	834.4	800.7	766.1	731.5
-5°	1048.7	1027.5	1001.7	970.4	934.7	896.3	858.7	825.1	791.7	757.7	724.0
-6.25°	1031.2	1009.6	982.9	951.6	916.1	879.6	844.5	813.2	780.4	747.2	714.7
-7.5°	1009.6	987.0	960.0	928.7	894.7	860.8	829.6	798.8	766.9	734.6	702.8
-8.75°	982.9	960.0	932.9	902.6	871.2	840.7	812.4	782.3	751.4	720.7	687.7
-10°	951.6	928.7	902.6	874.7	846.4	820.6	792.8	763.8	734.1	704.9	667.7
-11.25°	916.1	894.7	871.2	846.4	823.3	798.1	771.4	743.7	716.0	685.1	638.3
-12.5°	879.6	860.8	840.7	820.6	798.1	774.0	748.6	722.7	694.8	656.6	600.4
-13.75°	844.5	829.6	812.4	792.8	771.4	748.6	724.9	699.7	667.7	618.7	555.6
-15°	813.2	798.8	782.3	763.8	743.7	722.7	699.7	671.4	627.7	569.5	504.2
-16.25°	780.4	766.9	751.4	734.1	716.0	694.8	667.7	627.7	574.0	513.6	448.0
-17.5°	747.2	734.6	720.7	704.9	685.1	656.6	618.7	569.5	513.6	452.8	390.4
-18.75°	714.7	702.8	687.7	667.7	638.3	600.4	555.6	504.2	448.0	390.4	334.5
-20°	678.6	660.8	638.4	609.4	573.4	531.6	485.2	433.7	381.7	330.7	283.3
-21.25°	619.5	596.1	568.9	535.9	498.6	456.2	410.7	364.4	319.5	277.8	242.5

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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°	541.3	517.2	488.9	455.5	418.4	380.2	340.2	301.0	266.8	237.9	217.8
-23.75°	455.7	431.8	404.8	374.9	342.8	310.4	279.0	250.5	230.2	213.8	201.8
-25°	370.5	349.4	327.2	302.1	277.9	254.5	235.3	219.6	208.3	197.6	187.6
-26.25°	294.3	279.7	263.7	245.5	233.1	220.2	210.3	200.9	192.2	183.0	173.4
-27.5°	239.9	232.4	223.6	215.0	208.0	200.3	193.1	185.3	177.0	168.2	159.6
-28.75°	211.0	206.6	201.4	196.1	190.3	184.0	177.0	169.6	161.9	154.6	146.9
-30°	191.9	188.3	184.0	179.0	173.5	167.5	161.3	155.1	148.5	141.5	134.0
-31.25°	174.2	170.7	166.6	162.2	157.7	152.7	147.2	141.3	134.9	129.4	124.1
-32.5°	157.6	154.7	151.3	147.4	143.1	138.2	133.0	128.7	124.2	119.4	114.3
-33.75°	142.2	139.5	136.2	132.6	129.5	126.1	122.3	118.3	113.9	109.3	104.4
-35°	128.4	126.4	124.1	121.5	118.5	115.2	111.6	107.8	103.6	99.2	94.4
-36.25°	116.9	115.1	112.9	110.3	107.5	104.4	100.9	97.2	93.2	89.0	84.9
-37.5°	105.5	103.7	101.6	99.2	96.5	93.5	90.2	86.6	83.6	80.4	77.0
-38.75°	94.1	92.4	90.4	88.1	85.7	83.4	81.0	78.3	75.5	72.4	69.1
-40°	83.5	82.2	80.7	79.0	77.1	74.9	72.6	70.0	67.3	64.5	61.5
-41.25°	74.6	73.4	72.0	70.3	68.5	66.5	64.3	62.0	59.5	56.8	53.9
-42.5°	65.9	64.7	63.4	61.9	60.2	58.3	56.3	54.0	51.6	49.9	48.3
-43.75°	57.4	56.3	55.0	53.6	52.0	50.6	49.5	48.2	46.9	45.4	43.9
-45°	49.9	49.3	48.6	47.8	46.9	45.9	44.8	43.6	42.3	41.2	40.6
-46.25°	45.0	44.4	43.7	43.0	42.1	41.2	40.9	40.5	40.0	39.6	39.1
-47.5°	40.9	40.7	40.4	40.2	39.9	39.6	39.2	38.8	38.4	38.0	37.6
-48.75°	39.1	39.0	38.7	38.5	38.2	37.9	37.7	37.5	37.3	37.1	36.9
-50°	37.6	37.5	37.4	37.3	37.2	37.0	36.9	36.7	36.5	36.3	36.1
-51.25°	36.8	36.7	36.6	36.5	36.4	36.2	36.1	35.9	35.7	35.5	35.3
-52.5°	35.9	35.8	35.8	35.6	35.5	35.4	35.3	35.1	34.9	34.7	34.5
-53.75°	35.1	35.0	34.9	34.8	34.7	34.6	34.4	34.3	34.0	33.8	33.6
-55°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.8	32.5
-56.25°	33.1	33.0	32.9	32.8	32.7	32.5	32.3	32.2	32.0	31.9	31.7
-57.5°	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.4	31.2	31.1	30.9
-58.75°	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.5	30.4	30.1	29.9
-60°	30.3	30.2	30.1	30.0	29.8	29.7	29.5	29.3	29.1	28.9	28.7
-61.25°	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.1	27.9	27.7	27.4
-62.5°	27.7	27.6	27.5	27.4	27.2	27.1	26.9	26.7	26.5	26.3	26.0
-63.75°	26.2	26.1	26.0	25.9	25.8	25.6	25.4	25.2	25.1	24.8	24.5
-65°	24.7	24.6	24.4	24.3	24.1	23.9	23.7	23.5	23.3	23.0	22.8
-66.25°	22.8	22.7	22.6	22.4	22.3	22.1	21.9	21.7	21.5	21.2	21.0
-67.5°	20.9	20.9	20.8	20.7	20.6	20.4	20.3	20.1	20.0	19.8	19.6
-68.75°	19.4	19.4	19.3	19.2	19.1	19.0	18.8	18.7	18.5	18.4	18.2
-70°	17.9	17.9	17.8	17.7	17.5	17.4	17.3	17.1	16.9	16.8	16.6
-71.25°	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.4	15.3	15.1	14.9
-72.5°	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.2	14.1	14.0	13.9
-73.75°	13.7	13.7	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1
-75°	12.8	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.4	12.3
-76.25°	12.0	12.0	11.9	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5
-77.5°	11.1	11.1	11.1	11.1	11.0	11.0	11.0	10.9	10.9	10.8	10.7



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**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°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.1	10.0	10.0	9.9
-80°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
-81.25°	8.4	8.3	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0
-82.5°	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9
-83.75°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.7
-85°	4.7	4.7	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4
-86.25°	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-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: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
86.25°	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8
85°	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.9
83.75°	5.6	5.6	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0
82.5°	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1
81.25°	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.2
80°	9.0	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1
78.75°	9.9	9.8	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.1	9.0
77.5°	10.7	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0	10.0	9.9
76.25°	11.5	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
75°	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3
73.75°	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.2	12.1	12.0
72.5°	13.9	13.8	13.7	13.6	13.5	13.3	13.2	13.1	13.0	12.8	12.7
71.25°	14.7	14.6	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.4
70°	16.3	16.1	15.9	15.6	15.4	15.1	14.8	14.6	14.4	14.3	14.1
68.75°	18.0	17.7	17.5	17.2	16.9	16.7	16.4	16.0	15.7	15.4	15.0
67.5°	19.4	19.2	18.9	18.7	18.5	18.2	17.9	17.5	17.2	16.8	16.5
66.25°	20.8	20.6	20.3	20.1	19.8	19.5	19.2	18.9	18.6	18.3	17.9
65°	22.5	22.2	21.8	21.5	21.1	20.8	20.5	20.2	19.9	19.5	19.2
63.75°	24.2	23.9	23.6	23.2	22.8	22.4	22.0	21.6	21.1	20.8	20.4
62.5°	25.8	25.5	25.2	24.9	24.5	24.1	23.7	23.2	22.7	22.2	21.7
61.25°	27.1	26.9	26.6	26.2	25.9	25.6	25.2	24.8	24.3	23.8	23.3
60°	28.4	28.2	27.9	27.6	27.2	26.9	26.5	26.1	25.7	25.3	24.8
58.75°	29.6	29.4	29.1	28.8	28.5	28.1	27.8	27.4	26.9	26.5	26.0
57.5°	30.7	30.5	30.3	29.9	29.6	29.3	28.9	28.5	28.1	27.7	27.2
56.25°	31.5	31.3	31.1	30.9	30.7	30.4	30.0	29.6	29.2	28.8	28.4
55°	32.3	32.1	31.9	31.6	31.4	31.2	30.9	30.6	30.3	29.8	29.4
53.75°	33.3	33.0	32.7	32.4	32.1	31.9	31.6	31.3	31.0	30.7	30.4
52.5°	34.3	34.0	33.7	33.4	33.1	32.7	32.4	32.0	31.7	31.4	31.1
51.25°	35.1	34.9	34.6	34.4	34.0	33.7	33.3	32.9	32.5	32.1	31.8
50°	35.9	35.6	35.4	35.1	34.8	34.5	34.2	33.8	33.4	32.9	32.5
48.75°	36.6	36.4	36.1	35.8	35.6	35.3	34.9	34.6	34.2	33.8	33.3
47.5°	37.4	37.1	36.9	36.6	36.3	36.0	35.6	35.3	34.9	34.6	34.2
46.25°	38.5	38.0	37.6	37.3	37.0	36.7	36.3	36.0	35.6	35.2	34.9
45°	40.1	39.5	38.9	38.3	37.7	37.4	37.0	36.7	36.3	35.9	35.5
43.75°	42.3	41.0	40.4	39.7	39.1	38.3	37.7	37.3	36.9	36.5	36.1
42.5°	46.7	44.9	43.0	41.2	40.5	39.8	39.0	38.2	37.6	37.2	36.7
41.25°	51.0	49.2	47.2	45.2	43.1	41.2	40.4	39.5	38.7	37.8	37.4
40°	58.4	55.0	51.5	49.3	47.1	44.9	42.5	40.9	40.0	39.1	38.1
38.75°	65.8	62.4	58.7	55.0	51.1	48.8	46.3	43.8	41.3	40.3	39.4
37.5°	73.5	69.7	65.9	62.0	57.9	53.7	50.1	47.5	44.9	42.1	40.6
36.25°	81.2	77.3	73.2	68.9	64.7	60.3	55.8	51.2	48.4	45.6	42.7
35°	89.5	84.7	80.5	76.1	71.5	66.9	62.2	57.4	52.5	49.0	46.0



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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°
33.75°	99.2	93.8	88.2	83.2	78.5	73.6	68.5	63.6	58.5	53.3	49.3
32.5°	108.9	103.3	97.4	91.3	85.3	80.3	75.1	69.7	64.4	59.0	53.5
31.25°	118.5	112.6	106.5	100.2	93.7	87.0	81.5	76.0	70.3	64.7	59.0
30°	127.9	121.9	115.6	109.0	102.3	95.3	88.2	82.1	76.3	70.3	64.4
28.75°	138.8	131.0	124.5	117.7	110.7	103.5	96.1	88.6	82.1	76.0	69.7
27.5°	151.2	142.4	133.3	126.2	119.0	111.5	103.9	96.1	88.2	81.5	75.1
26.25°	163.4	154.3	144.9	135.1	127.1	119.4	111.5	103.5	95.3	87.0	80.3
25°	177.1	166.2	156.2	146.1	135.7	127.1	119.0	110.7	102.3	93.7	85.3
23.75°	190.7	179.4	167.7	156.8	146.1	135.1	126.2	117.7	109.0	100.2	91.3
22.5°	204.5	192.2	180.1	167.7	156.2	144.9	133.3	124.5	115.6	106.5	97.4
21.25°	220.8	205.4	192.2	179.4	166.2	154.3	142.4	131.0	121.9	112.6	103.3
20°	244.2	220.8	204.5	190.7	177.1	163.4	151.2	138.8	127.9	118.5	108.9
18.75°	283.3	242.5	217.8	201.8	187.6	173.4	159.6	146.9	134.0	124.1	114.3
17.5°	330.7	277.8	237.9	213.8	197.6	183.0	168.2	154.6	141.5	129.4	119.4
16.25°	381.7	319.5	266.8	230.2	208.3	192.2	177.0	161.9	148.5	134.9	124.2
15°	433.7	364.4	301.0	250.5	219.6	200.9	185.3	169.6	155.1	141.3	128.7
13.75°	485.2	410.7	340.2	279.0	235.3	210.3	193.1	177.0	161.3	147.2	133.0
12.5°	531.6	456.2	380.2	310.4	254.5	220.2	200.3	184.0	167.5	152.7	138.2
11.25°	573.4	498.6	418.4	342.8	277.9	233.1	208.0	190.3	173.5	157.7	143.1
10°	609.4	535.9	455.5	374.9	302.1	245.5	215.0	196.1	179.0	162.2	147.4
8.75°	638.4	568.9	488.9	404.8	327.2	263.7	223.6	201.4	184.0	166.6	151.3
7.5°	660.8	596.1	517.2	431.8	349.4	279.7	232.4	206.6	188.3	170.7	154.7
6.25°	678.6	619.5	541.3	455.7	370.5	294.3	239.9	211.0	191.9	174.2	157.6
5°	688.8	636.2	561.4	475.6	388.2	309.2	247.7	214.7	195.0	177.1	159.9
3.75°	696.8	648.1	575.9	491.2	402.1	320.9	256.1	217.8	197.3	179.4	161.8
2.5°	702.6	656.6	586.3	502.0	412.1	329.3	262.1	221.1	199.0	181.0	163.1
1.25°	706.1	661.8	592.6	508.4	418.1	334.3	265.8	223.1	200.1	182.0	163.9
0°	707.3	663.6	594.7	510.6	420.1	336.0	267.0	223.8	200.4	182.3	164.2
-1.25°	706.1	661.8	592.6	508.4	418.1	334.3	265.8	223.1	200.1	182.0	163.9
-2.5°	702.6	656.6	586.3	502.0	412.1	329.3	262.1	221.1	199.0	181.0	163.1
-3.75°	696.8	648.1	575.9	491.2	402.1	320.9	256.1	217.8	197.3	179.4	161.8
-5°	688.8	636.2	561.4	475.6	388.2	309.2	247.7	214.7	195.0	177.1	159.9
-6.25°	678.6	619.5	541.3	455.7	370.5	294.3	239.9	211.0	191.9	174.2	157.6
-7.5°	660.8	596.1	517.2	431.8	349.4	279.7	232.4	206.6	188.3	170.7	154.7
-8.75°	638.4	568.9	488.9	404.8	327.2	263.7	223.6	201.4	184.0	166.6	151.3
-10°	609.4	535.9	455.5	374.9	302.1	245.5	215.0	196.1	179.0	162.2	147.4
-11.25°	573.4	498.6	418.4	342.8	277.9	233.1	208.0	190.3	173.5	157.7	143.1
-12.5°	531.6	456.2	380.2	310.4	254.5	220.2	200.3	184.0	167.5	152.7	138.2
-13.75°	485.2	410.7	340.2	279.0	235.3	210.3	193.1	177.0	161.3	147.2	133.0
-15°	433.7	364.4	301.0	250.5	219.6	200.9	185.3	169.6	155.1	141.3	128.7
-16.25°	381.7	319.5	266.8	230.2	208.3	192.2	177.0	161.9	148.5	134.9	124.2
-17.5°	330.7	277.8	237.9	213.8	197.6	183.0	168.2	154.6	141.5	129.4	119.4
-18.75°	283.3	242.5	217.8	201.8	187.6	173.4	159.6	146.9	134.0	124.1	114.3
-20°	244.2	220.8	204.5	190.7	177.1	163.4	151.2	138.8	127.9	118.5	108.9
-21.25°	220.8	205.4	192.2	179.4	166.2	154.3	142.4	131.0	121.9	112.6	103.3





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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°	204.5	192.2	180.1	167.7	156.2	144.9	133.3	124.5	115.6	106.5	97.4
-23.75°	190.7	179.4	167.7	156.8	146.1	135.1	126.2	117.7	109.0	100.2	91.3
-25°	177.1	166.2	156.2	146.1	135.7	127.1	119.0	110.7	102.3	93.7	85.3
-26.25°	163.4	154.3	144.9	135.1	127.1	119.4	111.5	103.5	95.3	87.0	80.3
-27.5°	151.2	142.4	133.3	126.2	119.0	111.5	103.9	96.1	88.2	81.5	75.1
-28.75°	138.8	131.0	124.5	117.7	110.7	103.5	96.1	88.6	82.1	76.0	69.7
-30°	127.9	121.9	115.6	109.0	102.3	95.3	88.2	82.1	76.3	70.3	64.4
-31.25°	118.5	112.6	106.5	100.2	93.7	87.0	81.5	76.0	70.3	64.7	59.0
-32.5°	108.9	103.3	97.4	91.3	85.3	80.3	75.1	69.7	64.4	59.0	53.5
-33.75°	99.2	93.8	88.2	83.2	78.5	73.6	68.5	63.6	58.5	53.3	49.3
-35°	89.5	84.7	80.5	76.1	71.5	66.9	62.2	57.4	52.5	49.0	46.0
-36.25°	81.2	77.3	73.2	68.9	64.7	60.3	55.8	51.2	48.4	45.6	42.7
-37.5°	73.5	69.7	65.9	62.0	57.9	53.7	50.1	47.5	44.9	42.1	40.6
-38.75°	65.8	62.4	58.7	55.0	51.1	48.8	46.3	43.8	41.3	40.3	39.4
-40°	58.4	55.0	51.5	49.3	47.1	44.9	42.5	40.9	40.0	39.1	38.1
-41.25°	51.0	49.2	47.2	45.2	43.1	41.2	40.4	39.5	38.7	37.8	37.4
-42.5°	46.7	44.9	43.0	41.2	40.5	39.8	39.0	38.2	37.6	37.2	36.7
-43.75°	42.3	41.0	40.4	39.7	39.1	38.3	37.7	37.3	36.9	36.5	36.1
-45°	40.1	39.5	38.9	38.3	37.7	37.4	37.0	36.7	36.3	35.9	35.5
-46.25°	38.5	38.0	37.6	37.3	37.0	36.7	36.3	36.0	35.6	35.2	34.9
-47.5°	37.4	37.1	36.9	36.6	36.3	36.0	35.6	35.3	34.9	34.6	34.2
-48.75°	36.6	36.4	36.1	35.8	35.6	35.3	34.9	34.6	34.2	33.8	33.3
-50°	35.9	35.6	35.4	35.1	34.8	34.5	34.2	33.8	33.4	32.9	32.5
-51.25°	35.1	34.9	34.6	34.4	34.0	33.7	33.3	32.9	32.5	32.1	31.8
-52.5°	34.3	34.0	33.7	33.4	33.1	32.7	32.4	32.0	31.7	31.4	31.1
-53.75°	33.3	33.0	32.7	32.4	32.1	31.9	31.6	31.3	31.0	30.7	30.4
-55°	32.3	32.1	31.9	31.6	31.4	31.2	30.9	30.6	30.3	29.8	29.4
-56.25°	31.5	31.3	31.1	30.9	30.7	30.4	30.0	29.6	29.2	28.8	28.4
-57.5°	30.7	30.5	30.3	29.9	29.6	29.3	28.9	28.5	28.1	27.7	27.2
-58.75°	29.6	29.4	29.1	28.8	28.5	28.1	27.8	27.4	26.9	26.5	26.0
-60°	28.4	28.2	27.9	27.6	27.2	26.9	26.5	26.1	25.7	25.3	24.8
-61.25°	27.1	26.9	26.6	26.2	25.9	25.6	25.2	24.8	24.3	23.8	23.3
-62.5°	25.8	25.5	25.2	24.9	24.5	24.1	23.7	23.2	22.7	22.2	21.7
-63.75°	24.2	23.9	23.6	23.2	22.8	22.4	22.0	21.6	21.1	20.8	20.4
-65°	22.5	22.2	21.8	21.5	21.1	20.8	20.5	20.2	19.9	19.5	19.2
-66.25°	20.8	20.6	20.3	20.1	19.8	19.5	19.2	18.9	18.6	18.3	17.9
-67.5°	19.4	19.2	18.9	18.7	18.5	18.2	17.9	17.5	17.2	16.8	16.5
-68.75°	18.0	17.7	17.5	17.2	16.9	16.7	16.4	16.0	15.7	15.4	15.0
-70°	16.3	16.1	15.9	15.6	15.4	15.1	14.8	14.6	14.4	14.3	14.1
-71.25°	14.7	14.6	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.4
-72.5°	13.9	13.8	13.7	13.6	13.5	13.3	13.2	13.1	13.0	12.8	12.7
-73.75°	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.2	12.1	12.0
-75°	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3
-76.25°	11.5	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
-77.5°	10.7	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0	10.0	9.9



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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°	9.9	9.8	9.8	9.7	9.6	9.6	9.5	9.4	9.3	9.1	9.0
-80°	9.0	8.9	8.8	8.7	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-81.25°	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4	7.4	7.3	7.2
-82.5°	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.3	6.2	6.1
-83.75°	5.6	5.6	5.5	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0
-85°	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.9
-86.25°	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8
-87.5°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-88.75°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
87.5°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5
86.25°	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
85°	3.8	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.3	3.2	3.1
83.75°	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0
82.5°	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9
81.25°	7.1	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8
80°	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	7.0	6.8	6.7
78.75°	8.9	8.8	8.7	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5
77.5°	9.7	9.6	9.5	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.3
76.25°	10.5	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.4	9.2	9.0
75°	11.2	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.7
73.75°	11.8	11.7	11.6	11.4	11.3	11.1	11.0	10.8	10.6	10.5	10.3
72.5°	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.9
71.25°	13.2	13.1	12.9	12.7	12.6	12.4	12.2	12.0	11.8	11.6	11.4
70°	13.9	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.2	12.0
68.75°	14.7	14.4	14.3	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.6
67.5°	16.1	15.7	15.3	14.8	14.5	14.3	14.1	13.8	13.6	13.4	13.1
66.25°	17.5	17.1	16.6	16.2	15.7	15.3	14.8	14.4	14.2	14.0	13.7
65°	18.8	18.4	18.0	17.5	17.0	16.5	16.0	15.5	15.0	14.5	14.3
63.75°	20.0	19.6	19.2	18.8	18.3	17.8	17.3	16.7	16.2	15.6	15.0
62.5°	21.2	20.8	20.3	19.9	19.4	19.0	18.5	18.0	17.4	16.8	16.2
61.25°	22.7	22.2	21.6	21.0	20.5	20.0	19.5	19.0	18.5	17.9	17.3
60°	24.2	23.7	23.0	22.4	21.8	21.1	20.6	20.1	19.5	18.9	18.4
58.75°	25.6	25.1	24.5	23.8	23.2	22.5	21.8	21.1	20.5	19.9	19.3
57.5°	26.7	26.2	25.7	25.2	24.6	23.8	23.1	22.4	21.6	20.9	20.3
56.25°	27.9	27.4	26.8	26.3	25.7	25.1	24.4	23.7	22.9	22.1	21.2
55°	28.9	28.4	28.0	27.4	26.8	26.2	25.6	24.9	24.1	23.3	22.4
53.75°	29.9	29.4	28.9	28.4	27.9	27.2	26.6	25.9	25.2	24.5	23.6
52.5°	30.8	30.4	29.9	29.3	28.8	28.2	27.6	26.9	26.2	25.5	24.7
51.25°	31.4	31.1	30.7	30.3	29.7	29.1	28.5	27.9	27.2	26.4	25.7
50°	32.1	31.7	31.3	30.9	30.6	30.0	29.4	28.7	28.1	27.3	26.6
48.75°	32.9	32.4	31.9	31.5	31.1	30.7	30.2	29.5	28.9	28.2	27.5
47.5°	33.7	33.2	32.7	32.1	31.7	31.3	30.9	30.4	29.7	29.0	28.3
46.25°	34.5	34.0	33.4	32.9	32.3	31.9	31.4	30.9	30.5	29.7	29.0
45°	35.1	34.7	34.2	33.6	33.1	32.5	31.9	31.5	31.0	30.5	29.7
43.75°	35.7	35.3	34.8	34.4	33.8	33.2	32.5	32.0	31.5	31.0	30.5
42.5°	36.3	35.9	35.4	34.9	34.5	33.9	33.2	32.6	32.0	31.5	30.9
41.25°	36.9	36.5	36.0	35.5	35.0	34.5	33.9	33.2	32.5	31.9	31.4
40°	37.5	37.0	36.5	36.1	35.5	35.0	34.5	33.9	33.2	32.5	31.9
38.75°	38.4	37.6	37.1	36.6	36.1	35.5	35.0	34.5	33.8	33.1	32.3
37.5°	39.6	38.5	37.6	37.1	36.6	36.1	35.5	34.9	34.4	33.6	32.9
36.25°	40.8	39.7	38.6	37.6	37.1	36.5	36.0	35.4	34.8	34.2	33.4
35°	43.0	40.8	39.7	38.5	37.6	37.0	36.5	35.9	35.3	34.7	34.0



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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°
33.75°	46.2	43.0	40.8	39.6	38.4	37.5	36.9	36.3	35.7	35.1	34.5
32.5°	49.3	46.0	42.7	40.6	39.4	38.1	37.4	36.7	36.1	35.5	34.9
31.25°	53.3	49.0	45.6	42.1	40.3	39.1	37.8	37.2	36.5	35.9	35.2
30°	58.5	52.5	48.4	44.9	41.3	40.0	38.7	37.6	36.9	36.3	35.6
28.75°	63.6	57.4	51.2	47.5	43.8	40.9	39.5	38.2	37.3	36.7	36.0
27.5°	68.5	62.2	55.8	50.1	46.3	42.5	40.4	39.0	37.7	37.0	36.3
26.25°	73.6	66.9	60.3	53.7	48.8	44.9	41.2	39.8	38.3	37.4	36.7
25°	78.5	71.5	64.7	57.9	51.1	47.1	43.1	40.5	39.1	37.7	37.0
23.75°	83.2	76.1	68.9	62.0	55.0	49.3	45.2	41.2	39.7	38.3	37.3
22.5°	88.2	80.5	73.2	65.9	58.7	51.5	47.2	43.0	40.4	38.9	37.6
21.25°	93.8	84.7	77.3	69.7	62.4	55.0	49.2	44.9	41.0	39.5	38.0
20°	99.2	89.5	81.2	73.5	65.8	58.4	51.0	46.7	42.3	40.1	38.5
18.75°	104.4	94.4	84.9	77.0	69.1	61.5	53.9	48.3	43.9	40.6	39.1
17.5°	109.3	99.2	89.0	80.4	72.4	64.5	56.8	49.9	45.4	41.2	39.6
16.25°	113.9	103.6	93.2	83.6	75.5	67.3	59.5	51.6	46.9	42.3	40.0
15°	118.3	107.8	97.2	86.6	78.3	70.0	62.0	54.0	48.2	43.6	40.5
13.75°	122.3	111.6	100.9	90.2	81.0	72.6	64.3	56.3	49.5	44.8	40.9
12.5°	126.1	115.2	104.4	93.5	83.4	74.9	66.5	58.3	50.6	45.9	41.2
11.25°	129.5	118.5	107.5	96.5	85.7	77.1	68.5	60.2	52.0	46.9	42.1
10°	132.6	121.5	110.3	99.2	88.1	79.0	70.3	61.9	53.6	47.8	43.0
8.75°	136.2	124.1	112.9	101.6	90.4	80.7	72.0	63.4	55.0	48.6	43.7
7.5°	139.5	126.4	115.1	103.7	92.4	82.2	73.4	64.7	56.3	49.3	44.4
6.25°	142.2	128.4	116.9	105.5	94.1	83.5	74.6	65.9	57.4	49.9	45.0
5°	144.5	130.0	118.5	107.0	95.5	84.5	75.6	66.8	58.2	50.3	45.4
3.75°	146.3	131.3	119.7	108.1	96.6	85.3	76.4	67.5	58.9	50.7	45.8
2.5°	147.5	132.2	120.6	108.9	97.4	85.9	77.0	68.0	59.4	51.0	46.0
1.25°	148.3	132.7	121.1	109.4	97.8	86.3	77.3	68.3	59.7	51.1	46.2
0°	148.6	132.9	121.3	109.6	98.0	86.4	77.4	68.4	59.8	51.2	46.3
-1.25°	148.3	132.7	121.1	109.4	97.8	86.3	77.3	68.3	59.7	51.1	46.2
-2.5°	147.5	132.2	120.6	108.9	97.4	85.9	77.0	68.0	59.4	51.0	46.0
-3.75°	146.3	131.3	119.7	108.1	96.6	85.3	76.4	67.5	58.9	50.7	45.8
-5°	144.5	130.0	118.5	107.0	95.5	84.5	75.6	66.8	58.2	50.3	45.4
-6.25°	142.2	128.4	116.9	105.5	94.1	83.5	74.6	65.9	57.4	49.9	45.0
-7.5°	139.5	126.4	115.1	103.7	92.4	82.2	73.4	64.7	56.3	49.3	44.4
-8.75°	136.2	124.1	112.9	101.6	90.4	80.7	72.0	63.4	55.0	48.6	43.7
-10°	132.6	121.5	110.3	99.2	88.1	79.0	70.3	61.9	53.6	47.8	43.0
-11.25°	129.5	118.5	107.5	96.5	85.7	77.1	68.5	60.2	52.0	46.9	42.1
-12.5°	126.1	115.2	104.4	93.5	83.4	74.9	66.5	58.3	50.6	45.9	41.2
-13.75°	122.3	111.6	100.9	90.2	81.0	72.6	64.3	56.3	49.5	44.8	40.9
-15°	118.3	107.8	97.2	86.6	78.3	70.0	62.0	54.0	48.2	43.6	40.5
-16.25°	113.9	103.6	93.2	83.6	75.5	67.3	59.5	51.6	46.9	42.3	40.0
-17.5°	109.3	99.2	89.0	80.4	72.4	64.5	56.8	49.9	45.4	41.2	39.6
-18.75°	104.4	94.4	84.9	77.0	69.1	61.5	53.9	48.3	43.9	40.6	39.1
-20°	99.2	89.5	81.2	73.5	65.8	58.4	51.0	46.7	42.3	40.1	38.5
-21.25°	93.8	84.7	77.3	69.7	62.4	55.0	49.2	44.9	41.0	39.5	38.0



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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°
-22.5°	88.2	80.5	73.2	65.9	58.7	51.5	47.2	43.0	40.4	38.9	37.6
-23.75°	83.2	76.1	68.9	62.0	55.0	49.3	45.2	41.2	39.7	38.3	37.3
-25°	78.5	71.5	64.7	57.9	51.1	47.1	43.1	40.5	39.1	37.7	37.0
-26.25°	73.6	66.9	60.3	53.7	48.8	44.9	41.2	39.8	38.3	37.4	36.7
-27.5°	68.5	62.2	55.8	50.1	46.3	42.5	40.4	39.0	37.7	37.0	36.3
-28.75°	63.6	57.4	51.2	47.5	43.8	40.9	39.5	38.2	37.3	36.7	36.0
-30°	58.5	52.5	48.4	44.9	41.3	40.0	38.7	37.6	36.9	36.3	35.6
-31.25°	53.3	49.0	45.6	42.1	40.3	39.1	37.8	37.2	36.5	35.9	35.2
-32.5°	49.3	46.0	42.7	40.6	39.4	38.1	37.4	36.7	36.1	35.5	34.9
-33.75°	46.2	43.0	40.8	39.6	38.4	37.5	36.9	36.3	35.7	35.1	34.5
-35°	43.0	40.8	39.7	38.5	37.6	37.0	36.5	35.9	35.3	34.7	34.0
-36.25°	40.8	39.7	38.6	37.6	37.1	36.5	36.0	35.4	34.8	34.2	33.4
-37.5°	39.6	38.5	37.6	37.1	36.6	36.1	35.5	34.9	34.4	33.6	32.9
-38.75°	38.4	37.6	37.1	36.6	36.1	35.5	35.0	34.5	33.8	33.1	32.3
-40°	37.5	37.0	36.5	36.1	35.5	35.0	34.5	33.9	33.2	32.5	31.9
-41.25°	36.9	36.5	36.0	35.5	35.0	34.5	33.9	33.2	32.5	31.9	31.4
-42.5°	36.3	35.9	35.4	34.9	34.5	33.9	33.2	32.6	32.0	31.5	30.9
-43.75°	35.7	35.3	34.8	34.4	33.8	33.2	32.5	32.0	31.5	31.0	30.5
-45°	35.1	34.7	34.2	33.6	33.1	32.5	31.9	31.5	31.0	30.5	29.7
-46.25°	34.5	34.0	33.4	32.9	32.3	31.9	31.4	30.9	30.5	29.7	29.0
-47.5°	33.7	33.2	32.7	32.1	31.7	31.3	30.9	30.4	29.7	29.0	28.3
-48.75°	32.9	32.4	31.9	31.5	31.1	30.7	30.2	29.5	28.9	28.2	27.5
-50°	32.1	31.7	31.3	30.9	30.6	30.0	29.4	28.7	28.1	27.3	26.6
-51.25°	31.4	31.1	30.7	30.3	29.7	29.1	28.5	27.9	27.2	26.4	25.7
-52.5°	30.8	30.4	29.9	29.3	28.8	28.2	27.6	26.9	26.2	25.5	24.7
-53.75°	29.9	29.4	28.9	28.4	27.9	27.2	26.6	25.9	25.2	24.5	23.6
-55°	28.9	28.4	28.0	27.4	26.8	26.2	25.6	24.9	24.1	23.3	22.4
-56.25°	27.9	27.4	26.8	26.3	25.7	25.1	24.4	23.7	22.9	22.1	21.2
-57.5°	26.7	26.2	25.7	25.2	24.6	23.8	23.1	22.4	21.6	20.9	20.3
-58.75°	25.6	25.1	24.5	23.8	23.2	22.5	21.8	21.1	20.5	19.9	19.3
-60°	24.2	23.7	23.0	22.4	21.8	21.1	20.6	20.1	19.5	18.9	18.4
-61.25°	22.7	22.2	21.6	21.0	20.5	20.0	19.5	19.0	18.5	17.9	17.3
-62.5°	21.2	20.8	20.3	19.9	19.4	19.0	18.5	18.0	17.4	16.8	16.2
-63.75°	20.0	19.6	19.2	18.8	18.3	17.8	17.3	16.7	16.2	15.6	15.0
-65°	18.8	18.4	18.0	17.5	17.0	16.5	16.0	15.5	15.0	14.5	14.3
-66.25°	17.5	17.1	16.6	16.2	15.7	15.3	14.8	14.4	14.2	14.0	13.7
-67.5°	16.1	15.7	15.3	14.8	14.5	14.3	14.1	13.8	13.6	13.4	13.1
-68.75°	14.7	14.4	14.3	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.6
-70°	13.9	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.2	12.0
-71.25°	13.2	13.1	12.9	12.7	12.6	12.4	12.2	12.0	11.8	11.6	11.4
-72.5°	12.5	12.4	12.2	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.9
-73.75°	11.8	11.7	11.6	11.4	11.3	11.1	11.0	10.8	10.6	10.5	10.3
-75°	11.2	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.9	9.7
-76.25°	10.5	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.4	9.2	9.0
-77.5°	9.7	9.6	9.5	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.3



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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°
-78.75°	8.9	8.8	8.7	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5
-80°	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	7.0	6.8	6.7
-81.25°	7.1	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8
-82.5°	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9
-83.75°	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0
-85°	3.8	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.3	3.2	3.1
-86.25°	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
-87.5°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-88.75°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	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°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5
87.5°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0
86.25°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
85°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
83.75°	3.9	3.8	3.7	3.6	3.5	3.3	3.2	3.1	3.0	2.9	2.7
82.5°	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.5	3.4
81.25°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.0
80°	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.3	5.1	4.9	4.7
78.75°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.3
77.5°	8.1	7.9	7.7	7.6	7.4	7.1	6.9	6.7	6.4	6.2	6.0
76.25°	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6
75°	9.5	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2
73.75°	10.1	9.9	9.7	9.6	9.3	9.1	8.8	8.6	8.3	8.0	7.8
72.5°	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3
71.25°	11.2	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.1	8.8
70°	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.1	9.9	9.6	9.4
68.75°	12.3	12.1	11.9	11.6	11.4	11.1	10.9	10.6	10.3	10.1	9.8
67.5°	12.9	12.6	12.4	12.1	11.9	11.6	11.3	11.0	10.8	10.5	10.2
66.25°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.6
65°	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.9	11.6	11.3	11.0
63.75°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.0	11.7	11.4
62.5°	15.5	14.9	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.1	11.8
61.25°	16.6	16.0	15.3	14.6	14.3	13.9	13.6	13.2	12.9	12.5	12.2
60°	17.7	17.0	16.3	15.6	14.9	14.4	14.0	13.7	13.3	12.9	12.5
58.75°	18.7	18.1	17.4	16.6	15.9	15.1	14.5	14.1	13.7	13.3	12.9
57.5°	19.6	19.0	18.3	17.6	16.8	16.0	15.2	14.5	14.1	13.7	13.3
56.25°	20.6	19.9	19.2	18.5	17.8	17.0	16.1	15.3	14.5	14.1	13.7
55°	21.6	20.8	20.1	19.3	18.6	17.9	17.0	16.1	15.2	14.5	14.0
53.75°	22.7	21.8	20.9	20.2	19.4	18.7	17.9	17.0	16.0	15.1	14.4
52.5°	23.8	22.9	21.9	21.0	20.2	19.4	18.6	17.8	16.8	15.9	14.9
51.25°	24.9	23.9	23.0	22.0	21.0	20.2	19.3	18.5	17.6	16.6	15.6
50°	25.8	25.0	24.0	23.0	21.9	20.9	20.1	19.2	18.3	17.4	16.3
48.75°	26.6	25.8	25.0	23.9	22.9	21.8	20.8	19.9	19.0	18.1	17.0
47.5°	27.5	26.6	25.8	24.9	23.8	22.7	21.6	20.6	19.6	18.7	17.7
46.25°	28.3	27.5	26.6	25.7	24.7	23.6	22.4	21.2	20.3	19.3	18.4
45°	29.0	28.2	27.3	26.4	25.5	24.5	23.3	22.1	20.9	19.9	18.9
43.75°	29.7	28.9	28.1	27.2	26.2	25.2	24.1	22.9	21.6	20.5	19.5
42.5°	30.4	29.5	28.7	27.9	26.9	25.9	24.9	23.7	22.4	21.1	20.1
41.25°	30.9	30.2	29.4	28.5	27.6	26.6	25.6	24.4	23.1	21.8	20.6
40°	31.3	30.7	30.0	29.1	28.2	27.2	26.2	25.1	23.8	22.5	21.1
38.75°	31.7	31.1	30.6	29.7	28.8	27.9	26.8	25.7	24.6	23.2	21.8
37.5°	32.1	31.5	30.9	30.3	29.3	28.4	27.4	26.3	25.2	23.8	22.4
36.25°	32.7	31.9	31.3	30.7	29.9	28.9	28.0	26.8	25.7	24.5	23.0
35°	33.2	32.4	31.7	31.1	30.4	29.4	28.4	27.4	26.2	25.1	23.7



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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°
33.75°	33.7	32.9	32.1	31.4	30.8	29.9	28.9	27.9	26.7	25.6	24.2
32.5°	34.2	33.3	32.5	31.8	31.1	30.4	29.4	28.4	27.2	26.0	24.8
31.25°	34.6	33.8	32.9	32.1	31.4	30.7	29.8	28.8	27.7	26.5	25.3
30°	34.9	34.2	33.4	32.5	31.7	31.0	30.3	29.2	28.1	26.9	25.7
28.75°	35.3	34.6	33.8	32.9	32.0	31.3	30.6	29.6	28.5	27.4	26.1
27.5°	35.6	34.9	34.2	33.3	32.4	31.6	30.9	30.0	28.9	27.8	26.5
26.25°	36.0	35.3	34.5	33.7	32.7	31.9	31.2	30.4	29.3	28.1	26.9
25°	36.3	35.6	34.8	34.0	33.1	32.1	31.4	30.7	29.6	28.5	27.2
23.75°	36.6	35.8	35.1	34.4	33.4	32.4	31.6	30.9	29.9	28.8	27.6
22.5°	36.9	36.1	35.4	34.6	33.7	32.7	31.9	31.1	30.3	29.1	27.9
21.25°	37.1	36.4	35.6	34.9	34.0	33.0	32.1	31.3	30.5	29.4	28.2
20°	37.4	36.6	35.9	35.1	34.3	33.3	32.3	31.5	30.7	29.6	28.4
18.75°	37.6	36.9	36.1	35.3	34.5	33.6	32.5	31.7	30.9	29.9	28.7
17.5°	38.0	37.1	36.3	35.5	34.7	33.8	32.8	31.9	31.1	30.1	28.9
16.25°	38.4	37.3	36.5	35.7	34.9	34.0	33.0	32.0	31.2	30.4	29.1
15°	38.8	37.5	36.7	35.9	35.1	34.3	33.2	32.2	31.4	30.5	29.3
13.75°	39.2	37.7	36.9	36.1	35.3	34.4	33.4	32.3	31.5	30.7	29.5
12.5°	39.6	37.9	37.0	36.2	35.4	34.6	33.6	32.5	31.6	30.8	29.7
11.25°	39.9	38.2	37.2	36.4	35.5	34.7	33.7	32.7	31.7	30.9	29.8
10°	40.2	38.5	37.3	36.5	35.6	34.8	33.9	32.8	31.8	31.0	30.0
8.75°	40.4	38.7	37.4	36.6	35.8	34.9	34.0	32.9	31.9	31.1	30.1
7.5°	40.7	39.0	37.5	36.7	35.8	35.0	34.1	33.0	32.0	31.1	30.2
6.25°	40.9	39.1	37.6	36.8	35.9	35.1	34.2	33.1	32.1	31.2	30.3
5°	41.0	39.3	37.7	36.8	36.0	35.1	34.3	33.2	32.1	31.3	30.4
3.75°	41.1	39.4	37.7	36.9	36.0	35.2	34.3	33.2	32.1	31.3	30.4
2.5°	41.2	39.5	37.8	36.9	36.1	35.2	34.4	33.3	32.2	31.3	30.5
1.25°	41.3	39.5	37.8	36.9	36.1	35.2	34.4	33.3	32.2	31.3	30.5
0°	41.3	39.6	37.8	37.0	36.1	35.3	34.4	33.3	32.2	31.4	30.5
-1.25°	41.3	39.5	37.8	36.9	36.1	35.2	34.4	33.3	32.2	31.3	30.5
-2.5°	41.2	39.5	37.8	36.9	36.1	35.2	34.4	33.3	32.2	31.3	30.5
-3.75°	41.1	39.4	37.7	36.9	36.0	35.2	34.3	33.2	32.1	31.3	30.4
-5°	41.0	39.3	37.7	36.8	36.0	35.1	34.3	33.2	32.1	31.3	30.4
-6.25°	40.9	39.1	37.6	36.8	35.9	35.1	34.2	33.1	32.1	31.2	30.3
-7.5°	40.7	39.0	37.5	36.7	35.8	35.0	34.1	33.0	32.0	31.1	30.2
-8.75°	40.4	38.7	37.4	36.6	35.8	34.9	34.0	32.9	31.9	31.1	30.1
-10°	40.2	38.5	37.3	36.5	35.6	34.8	33.9	32.8	31.8	31.0	30.0
-11.25°	39.9	38.2	37.2	36.4	35.5	34.7	33.7	32.7	31.7	30.9	29.8
-12.5°	39.6	37.9	37.0	36.2	35.4	34.6	33.6	32.5	31.6	30.8	29.7
-13.75°	39.2	37.7	36.9	36.1	35.3	34.4	33.4	32.3	31.5	30.7	29.5
-15°	38.8	37.5	36.7	35.9	35.1	34.3	33.2	32.2	31.4	30.5	29.3
-16.25°	38.4	37.3	36.5	35.7	34.9	34.0	33.0	32.0	31.2	30.4	29.1
-17.5°	38.0	37.1	36.3	35.5	34.7	33.8	32.8	31.9	31.1	30.1	28.9
-18.75°	37.6	36.9	36.1	35.3	34.5	33.6	32.5	31.7	30.9	29.9	28.7
-20°	37.4	36.6	35.9	35.1	34.3	33.3	32.3	31.5	30.7	29.6	28.4
-21.25°	37.1	36.4	35.6	34.9	34.0	33.0	32.1	31.3	30.5	29.4	28.2





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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°	36.9	36.1	35.4	34.6	33.7	32.7	31.9	31.1	30.3	29.1	27.9
-23.75°	36.6	35.8	35.1	34.4	33.4	32.4	31.6	30.9	29.9	28.8	27.6
-25°	36.3	35.6	34.8	34.0	33.1	32.1	31.4	30.7	29.6	28.5	27.2
-26.25°	36.0	35.3	34.5	33.7	32.7	31.9	31.2	30.4	29.3	28.1	26.9
-27.5°	35.6	34.9	34.2	33.3	32.4	31.6	30.9	30.0	28.9	27.8	26.5
-28.75°	35.3	34.6	33.8	32.9	32.0	31.3	30.6	29.6	28.5	27.4	26.1
-30°	34.9	34.2	33.4	32.5	31.7	31.0	30.3	29.2	28.1	26.9	25.7
-31.25°	34.6	33.8	32.9	32.1	31.4	30.7	29.8	28.8	27.7	26.5	25.3
-32.5°	34.2	33.3	32.5	31.8	31.1	30.4	29.4	28.4	27.2	26.0	24.8
-33.75°	33.7	32.9	32.1	31.4	30.8	29.9	28.9	27.9	26.7	25.6	24.2
-35°	33.2	32.4	31.7	31.1	30.4	29.4	28.4	27.4	26.2	25.1	23.7
-36.25°	32.7	31.9	31.3	30.7	29.9	28.9	28.0	26.8	25.7	24.5	23.0
-37.5°	32.1	31.5	30.9	30.3	29.3	28.4	27.4	26.3	25.2	23.8	22.4
-38.75°	31.7	31.1	30.6	29.7	28.8	27.9	26.8	25.7	24.6	23.2	21.8
-40°	31.3	30.7	30.0	29.1	28.2	27.2	26.2	25.1	23.8	22.5	21.1
-41.25°	30.9	30.2	29.4	28.5	27.6	26.6	25.6	24.4	23.1	21.8	20.6
-42.5°	30.4	29.5	28.7	27.9	26.9	25.9	24.9	23.7	22.4	21.1	20.1
-43.75°	29.7	28.9	28.1	27.2	26.2	25.2	24.1	22.9	21.6	20.5	19.5
-45°	29.0	28.2	27.3	26.4	25.5	24.5	23.3	22.1	20.9	19.9	18.9
-46.25°	28.3	27.5	26.6	25.7	24.7	23.6	22.4	21.2	20.3	19.3	18.4
-47.5°	27.5	26.6	25.8	24.9	23.8	22.7	21.6	20.6	19.6	18.7	17.7
-48.75°	26.6	25.8	25.0	23.9	22.9	21.8	20.8	19.9	19.0	18.1	17.0
-50°	25.8	25.0	24.0	23.0	21.9	20.9	20.1	19.2	18.3	17.4	16.3
-51.25°	24.9	23.9	23.0	22.0	21.0	20.2	19.3	18.5	17.6	16.6	15.6
-52.5°	23.8	22.9	21.9	21.0	20.2	19.4	18.6	17.8	16.8	15.9	14.9
-53.75°	22.7	21.8	20.9	20.2	19.4	18.7	17.9	17.0	16.0	15.1	14.4
-55°	21.6	20.8	20.1	19.3	18.6	17.9	17.0	16.1	15.2	14.5	14.0
-56.25°	20.6	19.9	19.2	18.5	17.8	17.0	16.1	15.3	14.5	14.1	13.7
-57.5°	19.6	19.0	18.3	17.6	16.8	16.0	15.2	14.5	14.1	13.7	13.3
-58.75°	18.7	18.1	17.4	16.6	15.9	15.1	14.5	14.1	13.7	13.3	12.9
-60°	17.7	17.0	16.3	15.6	14.9	14.4	14.0	13.7	13.3	12.9	12.5
-61.25°	16.6	16.0	15.3	14.6	14.3	13.9	13.6	13.2	12.9	12.5	12.2
-62.5°	15.5	14.9	14.4	14.1	13.8	13.5	13.1	12.8	12.5	12.1	11.8
-63.75°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.0	11.7	11.4
-65°	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.9	11.6	11.3	11.0
-66.25°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.6
-67.5°	12.9	12.6	12.4	12.1	11.9	11.6	11.3	11.0	10.8	10.5	10.2
-68.75°	12.3	12.1	11.9	11.6	11.4	11.1	10.9	10.6	10.3	10.1	9.8
-70°	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.1	9.9	9.6	9.4
-71.25°	11.2	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.1	8.8
-72.5°	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2	8.9	8.6	8.3
-73.75°	10.1	9.9	9.7	9.6	9.3	9.1	8.8	8.6	8.3	8.0	7.8
-75°	9.5	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2
-76.25°	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.1	6.9	6.6
-77.5°	8.1	7.9	7.7	7.6	7.4	7.1	6.9	6.7	6.4	6.2	6.0



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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°
-78.75°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.5	5.3
-80°	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.3	5.1	4.9	4.7
-81.25°	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.0
-82.5°	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.5	3.4
-83.75°	3.9	3.8	3.7	3.6	3.5	3.3	3.2	3.1	3.0	2.9	2.7
-85°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
-86.25°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
-87.5°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0
-88.75°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5
-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°	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6
86.25°	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9
85°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
83.75°	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
82.5°	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.8
81.25°	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2	2.0
80°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.4
78.75°	5.1	4.9	4.6	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.8
77.5°	5.7	5.5	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.4	3.1
76.25°	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.5
75°	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8
73.75°	7.5	7.2	6.9	6.6	6.2	5.9	5.6	5.2	4.9	4.5	4.2
72.5°	8.0	7.7	7.4	7.1	6.7	6.4	6.0	5.6	5.3	4.9	4.5
71.25°	8.5	8.2	7.9	7.6	7.2	6.8	6.5	6.1	5.7	5.3	4.9
70°	9.0	8.7	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.6	5.2
68.75°	9.5	9.2	8.8	8.5	8.1	7.7	7.3	6.9	6.5	6.0	5.6
67.5°	9.9	9.6	9.3	8.9	8.5	8.1	7.7	7.3	6.8	6.4	5.9
66.25°	10.3	10.0	9.7	9.3	8.9	8.5	8.1	7.7	7.2	6.7	6.2
65°	10.7	10.4	10.0	9.7	9.3	8.9	8.5	8.0	7.6	7.1	6.6
63.75°	11.1	10.7	10.4	10.0	9.7	9.3	8.8	8.4	7.9	7.4	6.9
62.5°	11.4	11.1	10.7	10.4	10.0	9.6	9.2	8.7	8.2	7.7	7.2
61.25°	11.8	11.4	11.1	10.7	10.3	9.9	9.5	9.0	8.5	8.0	7.5
60°	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	8.8	8.3	7.8
58.75°	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.6	9.1	8.6	8.0
57.5°	12.9	12.5	12.0	11.6	11.2	10.8	10.3	9.9	9.5	8.9	8.3
56.25°	13.2	12.8	12.4	11.9	11.5	11.0	10.6	10.1	9.7	9.2	8.6
55°	13.6	13.1	12.7	12.2	11.8	11.3	10.9	10.4	9.9	9.4	8.8
53.75°	13.9	13.5	13.0	12.5	12.1	11.6	11.1	10.6	10.2	9.7	9.1
52.5°	14.3	13.8	13.3	12.8	12.4	11.9	11.4	10.9	10.4	9.9	9.3
51.25°	14.6	14.1	13.6	13.1	12.6	12.1	11.6	11.1	10.6	10.1	9.6
50°	15.3	14.4	13.9	13.4	12.9	12.4	11.9	11.3	10.8	10.3	9.7
48.75°	16.0	14.9	14.2	13.7	13.2	12.6	12.1	11.6	11.0	10.5	9.9
47.5°	16.6	15.5	14.5	14.0	13.4	12.9	12.3	11.8	11.2	10.7	10.1
46.25°	17.3	16.2	15.0	14.3	13.7	13.1	12.6	12.0	11.4	10.9	10.3
45°	17.9	16.8	15.6	14.5	14.0	13.4	12.8	12.2	11.6	11.0	10.5
43.75°	18.5	17.4	16.2	15.0	14.2	13.6	13.0	12.4	11.8	11.2	10.6
42.5°	19.0	18.0	16.7	15.5	14.4	13.8	13.2	12.6	12.0	11.4	10.8
41.25°	19.5	18.5	17.3	16.0	14.8	14.1	13.5	12.8	12.2	11.6	11.0
40°	20.0	19.0	17.8	16.5	15.3	14.3	13.7	13.0	12.4	11.8	11.1
38.75°	20.5	19.4	18.3	17.0	15.7	14.5	13.9	13.2	12.6	11.9	11.3
37.5°	21.0	19.9	18.8	17.5	16.2	14.8	14.1	13.4	12.7	12.1	11.4
36.25°	21.6	20.3	19.2	18.0	16.6	15.3	14.3	13.6	12.9	12.2	11.6
35°	22.2	20.8	19.6	18.4	17.1	15.7	14.4	13.8	13.1	12.4	11.7



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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°
33.75°	22.7	21.2	20.0	18.8	17.5	16.1	14.7	13.9	13.2	12.5	11.8
32.5°	23.3	21.7	20.4	19.2	17.9	16.5	15.0	14.1	13.4	12.7	12.0
31.25°	23.8	22.2	20.8	19.5	18.3	16.8	15.4	14.3	13.5	12.8	12.1
30°	24.3	22.7	21.1	19.9	18.6	17.2	15.7	14.4	13.7	13.0	12.2
28.75°	24.8	23.2	21.6	20.2	18.9	17.5	16.0	14.6	13.8	13.1	12.4
27.5°	25.2	23.7	22.0	20.5	19.2	17.9	16.4	14.8	14.0	13.2	12.5
26.25°	25.6	24.1	22.4	20.8	19.5	18.2	16.7	15.1	14.1	13.3	12.6
25°	25.9	24.5	22.8	21.1	19.8	18.5	16.9	15.4	14.2	13.5	12.7
23.75°	26.2	24.9	23.2	21.5	20.1	18.7	17.2	15.6	14.3	13.6	12.8
22.5°	26.6	25.2	23.6	21.8	20.3	18.9	17.5	15.9	14.4	13.7	12.9
21.25°	26.9	25.5	23.9	22.2	20.6	19.2	17.7	16.1	14.6	13.8	13.0
20°	27.1	25.8	24.2	22.5	20.8	19.4	18.0	16.3	14.7	13.9	13.1
18.75°	27.4	26.0	24.5	22.8	21.0	19.6	18.2	16.6	14.9	13.9	13.1
17.5°	27.7	26.3	24.8	23.0	21.2	19.8	18.4	16.8	15.1	14.0	13.2
16.25°	27.9	26.5	25.1	23.3	21.5	20.0	18.5	16.9	15.3	14.1	13.3
15°	28.1	26.7	25.2	23.5	21.7	20.1	18.7	17.1	15.4	14.2	13.4
13.75°	28.3	26.9	25.4	23.7	21.9	20.3	18.8	17.3	15.6	14.2	13.4
12.5°	28.4	27.1	25.6	23.9	22.1	20.4	19.0	17.4	15.7	14.3	13.5
11.25°	28.6	27.2	25.8	24.1	22.3	20.6	19.1	17.5	15.8	14.4	13.5
10°	28.7	27.4	25.9	24.3	22.4	20.7	19.2	17.7	15.9	14.4	13.6
8.75°	28.8	27.5	26.0	24.4	22.6	20.8	19.3	17.8	16.0	14.5	13.6
7.5°	28.9	27.6	26.1	24.6	22.7	20.9	19.4	17.9	16.1	14.5	13.7
6.25°	29.0	27.7	26.2	24.7	22.8	20.9	19.4	17.9	16.2	14.5	13.7
5°	29.1	27.8	26.3	24.7	22.9	21.0	19.5	18.0	16.2	14.6	13.7
3.75°	29.1	27.8	26.3	24.8	22.9	21.0	19.5	18.0	16.3	14.6	13.7
2.5°	29.2	27.9	26.4	24.9	23.0	21.1	19.6	18.1	16.3	14.6	13.7
1.25°	29.2	27.9	26.4	24.9	23.0	21.1	19.6	18.1	16.3	14.6	13.7
0°	29.2	27.9	26.4	24.9	23.0	21.1	19.6	18.1	16.4	14.6	13.8
-1.25°	29.2	27.9	26.4	24.9	23.0	21.1	19.6	18.1	16.3	14.6	13.7
-2.5°	29.2	27.9	26.4	24.9	23.0	21.1	19.6	18.1	16.3	14.6	13.7
-3.75°	29.1	27.8	26.3	24.8	22.9	21.0	19.5	18.0	16.3	14.6	13.7
-5°	29.1	27.8	26.3	24.7	22.9	21.0	19.5	18.0	16.2	14.6	13.7
-6.25°	29.0	27.7	26.2	24.7	22.8	20.9	19.4	17.9	16.2	14.5	13.7
-7.5°	28.9	27.6	26.1	24.6	22.7	20.9	19.4	17.9	16.1	14.5	13.7
-8.75°	28.8	27.5	26.0	24.4	22.6	20.8	19.3	17.8	16.0	14.5	13.6
-10°	28.7	27.4	25.9	24.3	22.4	20.7	19.2	17.7	15.9	14.4	13.6
-11.25°	28.6	27.2	25.8	24.1	22.3	20.6	19.1	17.5	15.8	14.4	13.5
-12.5°	28.4	27.1	25.6	23.9	22.1	20.4	19.0	17.4	15.7	14.3	13.5
-13.75°	28.3	26.9	25.4	23.7	21.9	20.3	18.8	17.3	15.6	14.2	13.4
-15°	28.1	26.7	25.2	23.5	21.7	20.1	18.7	17.1	15.4	14.2	13.4
-16.25°	27.9	26.5	25.1	23.3	21.5	20.0	18.5	16.9	15.3	14.1	13.3
-17.5°	27.7	26.3	24.8	23.0	21.2	19.8	18.4	16.8	15.1	14.0	13.2
-18.75°	27.4	26.0	24.5	22.8	21.0	19.6	18.2	16.6	14.9	13.9	13.1
-20°	27.1	25.8	24.2	22.5	20.8	19.4	18.0	16.3	14.7	13.9	13.1
-21.25°	26.9	25.5	23.9	22.2	20.6	19.2	17.7	16.1	14.6	13.8	13.0



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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°
-22.5°	26.6	25.2	23.6	21.8	20.3	18.9	17.5	15.9	14.4	13.7	12.9
-23.75°	26.2	24.9	23.2	21.5	20.1	18.7	17.2	15.6	14.3	13.6	12.8
-25°	25.9	24.5	22.8	21.1	19.8	18.5	16.9	15.4	14.2	13.5	12.7
-26.25°	25.6	24.1	22.4	20.8	19.5	18.2	16.7	15.1	14.1	13.3	12.6
-27.5°	25.2	23.7	22.0	20.5	19.2	17.9	16.4	14.8	14.0	13.2	12.5
-28.75°	24.8	23.2	21.6	20.2	18.9	17.5	16.0	14.6	13.8	13.1	12.4
-30°	24.3	22.7	21.1	19.9	18.6	17.2	15.7	14.4	13.7	13.0	12.2
-31.25°	23.8	22.2	20.8	19.5	18.3	16.8	15.4	14.3	13.5	12.8	12.1
-32.5°	23.3	21.7	20.4	19.2	17.9	16.5	15.0	14.1	13.4	12.7	12.0
-33.75°	22.7	21.2	20.0	18.8	17.5	16.1	14.7	13.9	13.2	12.5	11.8
-35°	22.2	20.8	19.6	18.4	17.1	15.7	14.4	13.8	13.1	12.4	11.7
-36.25°	21.6	20.3	19.2	18.0	16.6	15.3	14.3	13.6	12.9	12.2	11.6
-37.5°	21.0	19.9	18.8	17.5	16.2	14.8	14.1	13.4	12.7	12.1	11.4
-38.75°	20.5	19.4	18.3	17.0	15.7	14.5	13.9	13.2	12.6	11.9	11.3
-40°	20.0	19.0	17.8	16.5	15.3	14.3	13.7	13.0	12.4	11.8	11.1
-41.25°	19.5	18.5	17.3	16.0	14.8	14.1	13.5	12.8	12.2	11.6	11.0
-42.5°	19.0	18.0	16.7	15.5	14.4	13.8	13.2	12.6	12.0	11.4	10.8
-43.75°	18.5	17.4	16.2	15.0	14.2	13.6	13.0	12.4	11.8	11.2	10.6
-45°	17.9	16.8	15.6	14.5	14.0	13.4	12.8	12.2	11.6	11.0	10.5
-46.25°	17.3	16.2	15.0	14.3	13.7	13.1	12.6	12.0	11.4	10.9	10.3
-47.5°	16.6	15.5	14.5	14.0	13.4	12.9	12.3	11.8	11.2	10.7	10.1
-48.75°	16.0	14.9	14.2	13.7	13.2	12.6	12.1	11.6	11.0	10.5	9.9
-50°	15.3	14.4	13.9	13.4	12.9	12.4	11.9	11.3	10.8	10.3	9.7
-51.25°	14.6	14.1	13.6	13.1	12.6	12.1	11.6	11.1	10.6	10.1	9.6
-52.5°	14.3	13.8	13.3	12.8	12.4	11.9	11.4	10.9	10.4	9.9	9.3
-53.75°	13.9	13.5	13.0	12.5	12.1	11.6	11.1	10.6	10.2	9.7	9.1
-55°	13.6	13.1	12.7	12.2	11.8	11.3	10.9	10.4	9.9	9.4	8.8
-56.25°	13.2	12.8	12.4	11.9	11.5	11.0	10.6	10.1	9.7	9.2	8.6
-57.5°	12.9	12.5	12.0	11.6	11.2	10.8	10.3	9.9	9.5	8.9	8.3
-58.75°	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.6	9.1	8.6	8.0
-60°	12.2	11.8	11.4	11.0	10.6	10.2	9.8	9.4	8.8	8.3	7.8
-61.25°	11.8	11.4	11.1	10.7	10.3	9.9	9.5	9.0	8.5	8.0	7.5
-62.5°	11.4	11.1	10.7	10.4	10.0	9.6	9.2	8.7	8.2	7.7	7.2
-63.75°	11.1	10.7	10.4	10.0	9.7	9.3	8.8	8.4	7.9	7.4	6.9
-65°	10.7	10.4	10.0	9.7	9.3	8.9	8.5	8.0	7.6	7.1	6.6
-66.25°	10.3	10.0	9.7	9.3	8.9	8.5	8.1	7.7	7.2	6.7	6.2
-67.5°	9.9	9.6	9.3	8.9	8.5	8.1	7.7	7.3	6.8	6.4	5.9
-68.75°	9.5	9.2	8.8	8.5	8.1	7.7	7.3	6.9	6.5	6.0	5.6
-70°	9.0	8.7	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.6	5.2
-71.25°	8.5	8.2	7.9	7.6	7.2	6.8	6.5	6.1	5.7	5.3	4.9
-72.5°	8.0	7.7	7.4	7.1	6.7	6.4	6.0	5.6	5.3	4.9	4.5
-73.75°	7.5	7.2	6.9	6.6	6.2	5.9	5.6	5.2	4.9	4.5	4.2
-75°	6.9	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8
-76.25°	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.5
-77.5°	5.7	5.5	5.2	5.0	4.7	4.4	4.2	3.9	3.6	3.4	3.1



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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°
-78.75°	5.1	4.9	4.6	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.8
-80°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.4
-81.25°	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2	2.0
-82.5°	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.8
-83.75°	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
-85°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
-86.25°	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9
-87.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6
-88.75°	0.5	0.5	0.5	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):**

	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°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
87.5°	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
86.25°	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
85°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
83.75°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
82.5°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
81.25°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
80°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
78.75°	2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
77.5°	2.8	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
76.25°	3.2	2.9	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
75°	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.4	1.1	0.8	0.5
73.75°	3.8	3.5	3.1	2.8	2.4	2.0	1.8	1.5	1.2	0.9	0.6
72.5°	4.1	3.8	3.4	3.0	2.6	2.2	1.9	1.6	1.3	0.9	0.6
71.25°	4.5	4.1	3.6	3.2	2.8	2.4	2.0	1.7	1.3	1.0	0.7
70°	4.8	4.3	3.9	3.5	3.0	2.6	2.2	1.8	1.4	1.1	0.7
68.75°	5.1	4.6	4.2	3.7	3.3	2.8	2.3	1.9	1.5	1.1	0.8
67.5°	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.6	1.2	0.8
66.25°	5.7	5.2	4.7	4.2	3.7	3.2	2.6	2.1	1.7	1.3	0.8
65°	6.0	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.8	1.3	0.9
63.75°	6.3	5.8	5.2	4.6	4.1	3.5	2.9	2.4	1.9	1.4	0.9
62.5°	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.5	1.0
61.25°	6.9	6.3	5.7	5.1	4.5	3.9	3.2	2.6	2.0	1.5	1.0
60°	7.2	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.1	1.6	1.0
58.75°	7.5	6.9	6.2	5.5	4.9	4.2	3.5	2.9	2.2	1.6	1.1
57.5°	7.7	7.1	6.4	5.8	5.1	4.4	3.7	3.0	2.3	1.7	1.1
56.25°	8.0	7.4	6.7	6.0	5.3	4.5	3.8	3.1	2.4	1.7	1.2
55°	8.2	7.6	6.9	6.2	5.4	4.7	4.0	3.2	2.5	1.8	1.2
53.75°	8.4	7.8	7.1	6.4	5.6	4.9	4.1	3.3	2.6	1.9	1.2
52.5°	8.7	8.0	7.4	6.6	5.8	5.0	4.2	3.5	2.7	1.9	1.3
51.25°	8.9	8.2	7.6	6.8	6.0	5.2	4.4	3.6	2.8	2.0	1.3
50°	9.1	8.4	7.7	7.0	6.2	5.3	4.5	3.7	2.8	2.0	1.3
48.75°	9.3	8.6	7.9	7.2	6.3	5.5	4.6	3.8	2.9	2.1	1.4
47.5°	9.5	8.8	8.1	7.4	6.5	5.6	4.8	3.9	3.0	2.1	1.4
46.25°	9.7	9.0	8.3	7.5	6.7	5.8	4.9	4.0	3.1	2.2	1.5
45°	9.9	9.2	8.4	7.7	6.8	5.9	5.0	4.1	3.2	2.3	1.5
43.75°	10.0	9.4	8.6	7.8	7.0	6.1	5.1	4.2	3.3	2.3	1.5
42.5°	10.2	9.6	8.8	8.0	7.1	6.2	5.2	4.3	3.3	2.4	1.5
41.25°	10.3	9.7	8.9	8.1	7.3	6.3	5.4	4.4	3.4	2.4	1.6
40°	10.5	9.8	9.1	8.3	7.4	6.5	5.5	4.5	3.5	2.5	1.6
38.75°	10.6	10.0	9.3	8.4	7.5	6.6	5.6	4.6	3.6	2.5	1.6
37.5°	10.8	10.1	9.4	8.5	7.7	6.7	5.7	4.7	3.6	2.6	1.7
36.25°	10.9	10.2	9.5	8.7	7.8	6.8	5.8	4.7	3.7	2.6	1.7
35°	11.0	10.3	9.6	8.8	7.9	6.9	5.9	4.8	3.8	2.7	1.7



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, 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°	11.2	10.5	9.7	8.9	8.0	7.1	6.0	4.9	3.8	2.7	1.7
32.5°	11.3	10.6	9.9	9.0	8.1	7.2	6.1	5.0	3.9	2.8	1.8
31.25°	11.4	10.7	10.0	9.1	8.2	7.3	6.2	5.1	3.9	2.8	1.8
30°	11.5	10.8	10.0	9.3	8.3	7.4	6.3	5.1	4.0	2.9	1.8
28.75°	11.6	10.9	10.1	9.4	8.4	7.4	6.3	5.2	4.1	2.9	1.8
27.5°	11.7	11.0	10.2	9.5	8.5	7.5	6.4	5.3	4.1	3.0	1.9
26.25°	11.8	11.1	10.3	9.6	8.6	7.6	6.5	5.3	4.2	3.0	1.9
25°	11.9	11.2	10.4	9.6	8.7	7.7	6.6	5.4	4.2	3.0	1.9
23.75°	12.0	11.2	10.5	9.7	8.7	7.7	6.6	5.4	4.3	3.1	1.9
22.5°	12.1	11.3	10.5	9.8	8.8	7.8	6.7	5.5	4.3	3.1	1.9
21.25°	12.2	11.4	10.6	9.8	8.9	7.9	6.8	5.6	4.3	3.1	2.0
20°	12.3	11.5	10.7	9.9	9.0	7.9	6.8	5.6	4.4	3.2	2.0
18.75°	12.3	11.5	10.7	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.0
17.5°	12.4	11.6	10.8	10.0	9.1	8.0	6.9	5.7	4.5	3.2	2.0
16.25°	12.5	11.7	10.9	10.0	9.1	8.1	7.0	5.7	4.5	3.2	2.0
15°	12.5	11.7	10.9	10.1	9.2	8.1	7.0	5.8	4.5	3.3	2.0
13.75°	12.6	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.0
12.5°	12.7	11.8	11.0	10.2	9.3	8.2	7.1	5.8	4.6	3.3	2.1
11.25°	12.7	11.9	11.0	10.2	9.3	8.3	7.1	5.9	4.6	3.3	2.1
10°	12.7	11.9	11.1	10.2	9.4	8.3	7.2	5.9	4.6	3.3	2.1
8.75°	12.8	11.9	11.1	10.3	9.4	8.3	7.2	5.9	4.6	3.4	2.1
7.5°	12.8	12.0	11.1	10.3	9.4	8.3	7.2	5.9	4.7	3.4	2.1
6.25°	12.8	12.0	11.1	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.1
5°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
3.75°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
2.5°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
1.25°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
0°	12.9	12.1	11.2	10.4	9.5	8.4	7.3	6.0	4.7	3.4	2.1
-1.25°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
-2.5°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
-3.75°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
-5°	12.9	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.1
-6.25°	12.8	12.0	11.1	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.1
-7.5°	12.8	12.0	11.1	10.3	9.4	8.3	7.2	5.9	4.7	3.4	2.1
-8.75°	12.8	11.9	11.1	10.3	9.4	8.3	7.2	5.9	4.6	3.4	2.1
-10°	12.7	11.9	11.1	10.2	9.4	8.3	7.2	5.9	4.6	3.3	2.1
-11.25°	12.7	11.9	11.0	10.2	9.3	8.3	7.1	5.9	4.6	3.3	2.1
-12.5°	12.7	11.8	11.0	10.2	9.3	8.2	7.1	5.8	4.6	3.3	2.1
-13.75°	12.6	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.0
-15°	12.5	11.7	10.9	10.1	9.2	8.1	7.0	5.8	4.5	3.3	2.0
-16.25°	12.5	11.7	10.9	10.0	9.1	8.1	7.0	5.7	4.5	3.2	2.0
-17.5°	12.4	11.6	10.8	10.0	9.1	8.0	6.9	5.7	4.5	3.2	2.0
-18.75°	12.3	11.5	10.7	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.0
-20°	12.3	11.5	10.7	9.9	9.0	7.9	6.8	5.6	4.4	3.2	2.0
-21.25°	12.2	11.4	10.6	9.8	8.9	7.9	6.8	5.6	4.3	3.1	2.0





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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°
-22.5°	12.1	11.3	10.5	9.8	8.8	7.8	6.7	5.5	4.3	3.1	1.9
-23.75°	12.0	11.2	10.5	9.7	8.7	7.7	6.6	5.4	4.3	3.1	1.9
-25°	11.9	11.2	10.4	9.6	8.7	7.7	6.6	5.4	4.2	3.0	1.9
-26.25°	11.8	11.1	10.3	9.6	8.6	7.6	6.5	5.3	4.2	3.0	1.9
-27.5°	11.7	11.0	10.2	9.5	8.5	7.5	6.4	5.3	4.1	3.0	1.9
-28.75°	11.6	10.9	10.1	9.4	8.4	7.4	6.3	5.2	4.1	2.9	1.8
-30°	11.5	10.8	10.0	9.3	8.3	7.4	6.3	5.1	4.0	2.9	1.8
-31.25°	11.4	10.7	10.0	9.1	8.2	7.3	6.2	5.1	3.9	2.8	1.8
-32.5°	11.3	10.6	9.9	9.0	8.1	7.2	6.1	5.0	3.9	2.8	1.8
-33.75°	11.2	10.5	9.7	8.9	8.0	7.1	6.0	4.9	3.8	2.7	1.7
-35°	11.0	10.3	9.6	8.8	7.9	6.9	5.9	4.8	3.8	2.7	1.7
-36.25°	10.9	10.2	9.5	8.7	7.8	6.8	5.8	4.7	3.7	2.6	1.7
-37.5°	10.8	10.1	9.4	8.5	7.7	6.7	5.7	4.7	3.6	2.6	1.7
-38.75°	10.6	10.0	9.3	8.4	7.5	6.6	5.6	4.6	3.6	2.5	1.6
-40°	10.5	9.8	9.1	8.3	7.4	6.5	5.5	4.5	3.5	2.5	1.6
-41.25°	10.3	9.7	8.9	8.1	7.3	6.3	5.4	4.4	3.4	2.4	1.6
-42.5°	10.2	9.6	8.8	8.0	7.1	6.2	5.2	4.3	3.3	2.4	1.5
-43.75°	10.0	9.4	8.6	7.8	7.0	6.1	5.1	4.2	3.3	2.3	1.5
-45°	9.9	9.2	8.4	7.7	6.8	5.9	5.0	4.1	3.2	2.3	1.5
-46.25°	9.7	9.0	8.3	7.5	6.7	5.8	4.9	4.0	3.1	2.2	1.5
-47.5°	9.5	8.8	8.1	7.4	6.5	5.6	4.8	3.9	3.0	2.1	1.4
-48.75°	9.3	8.6	7.9	7.2	6.3	5.5	4.6	3.8	2.9	2.1	1.4
-50°	9.1	8.4	7.7	7.0	6.2	5.3	4.5	3.7	2.8	2.0	1.3
-51.25°	8.9	8.2	7.6	6.8	6.0	5.2	4.4	3.6	2.8	2.0	1.3
-52.5°	8.7	8.0	7.4	6.6	5.8	5.0	4.2	3.5	2.7	1.9	1.3
-53.75°	8.4	7.8	7.1	6.4	5.6	4.9	4.1	3.3	2.6	1.9	1.2
-55°	8.2	7.6	6.9	6.2	5.4	4.7	4.0	3.2	2.5	1.8	1.2
-56.25°	8.0	7.4	6.7	6.0	5.3	4.5	3.8	3.1	2.4	1.7	1.2
-57.5°	7.7	7.1	6.4	5.8	5.1	4.4	3.7	3.0	2.3	1.7	1.1
-58.75°	7.5	6.9	6.2	5.5	4.9	4.2	3.5	2.9	2.2	1.6	1.1
-60°	7.2	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.1	1.6	1.0
-61.25°	6.9	6.3	5.7	5.1	4.5	3.9	3.2	2.6	2.0	1.5	1.0
-62.5°	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.5	1.0
-63.75°	6.3	5.8	5.2	4.6	4.1	3.5	2.9	2.4	1.9	1.4	0.9
-65°	6.0	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.8	1.3	0.9
-66.25°	5.7	5.2	4.7	4.2	3.7	3.2	2.6	2.1	1.7	1.3	0.8
-67.5°	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.6	1.2	0.8
-68.75°	5.1	4.6	4.2	3.7	3.3	2.8	2.3	1.9	1.5	1.1	0.8
-70°	4.8	4.3	3.9	3.5	3.0	2.6	2.2	1.8	1.4	1.1	0.7
-71.25°	4.5	4.1	3.6	3.2	2.8	2.4	2.0	1.7	1.3	1.0	0.7
-72.5°	4.1	3.8	3.4	3.0	2.6	2.2	1.9	1.6	1.3	0.9	0.6
-73.75°	3.8	3.5	3.1	2.8	2.4	2.0	1.8	1.5	1.2	0.9	0.6
-75°	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.4	1.1	0.8	0.5
-76.25°	3.2	2.9	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
-77.5°	2.8	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5



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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°
-78.75°	2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-80°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-81.25°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-82.5°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-83.75°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-85°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
-86.25°	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-87.5°	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-88.75°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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



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**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°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.2	0.0
77.5°	0.2	0.0
76.25°	0.2	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.3	0.0
71.25°	0.3	0.0
70°	0.4	0.0
68.75°	0.4	0.0
67.5°	0.4	0.0
66.25°	0.4	0.0
65°	0.4	0.0
63.75°	0.5	0.0
62.5°	0.5	0.0
61.25°	0.5	0.0
60°	0.5	0.0
58.75°	0.5	0.0
57.5°	0.6	0.0
56.25°	0.6	0.0
55°	0.6	0.0
53.75°	0.6	0.0
52.5°	0.6	0.0
51.25°	0.7	0.0
50°	0.7	0.0
48.75°	0.7	0.0
47.5°	0.7	0.0
46.25°	0.7	0.0
45°	0.7	0.0
43.75°	0.8	0.0
42.5°	0.8	0.0
41.25°	0.8	0.0
40°	0.8	0.0
38.75°	0.8	0.0
37.5°	0.8	0.0
36.25°	0.8	0.0
35°	0.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.9	0.0
32.5°	0.9	0.0
31.25°	0.9	0.0
30°	0.9	0.0
28.75°	0.9	0.0
27.5°	0.9	0.0
26.25°	0.9	0.0
25°	1.0	0.0
23.75°	1.0	0.0
22.5°	1.0	0.0
21.25°	1.0	0.0
20°	1.0	0.0
18.75°	1.0	0.0
17.5°	1.0	0.0
16.25°	1.0	0.0
15°	1.0	0.0
13.75°	1.0	0.0
12.5°	1.0	0.0
11.25°	1.0	0.0
10°	1.0	0.0
8.75°	1.0	0.0
7.5°	1.0	0.0
6.25°	1.0	0.0
5°	1.0	0.0
3.75°	1.0	0.0
2.5°	1.0	0.0
1.25°	1.0	0.0
0°	1.0	0.0
-1.25°	1.0	0.0
-2.5°	1.0	0.0
-3.75°	1.0	0.0
-5°	1.0	0.0
-6.25°	1.0	0.0
-7.5°	1.0	0.0
-8.75°	1.0	0.0
-10°	1.0	0.0
-11.25°	1.0	0.0
-12.5°	1.0	0.0
-13.75°	1.0	0.0
-15°	1.0	0.0
-16.25°	1.0	0.0
-17.5°	1.0	0.0
-18.75°	1.0	0.0
-20°	1.0	0.0
-21.25°	1.0	0.0



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	1.0	0.0
-23.75°	1.0	0.0
-25°	1.0	0.0
-26.25°	0.9	0.0
-27.5°	0.9	0.0
-28.75°	0.9	0.0
-30°	0.9	0.0
-31.25°	0.9	0.0
-32.5°	0.9	0.0
-33.75°	0.9	0.0
-35°	0.9	0.0
-36.25°	0.8	0.0
-37.5°	0.8	0.0
-38.75°	0.8	0.0
-40°	0.8	0.0
-41.25°	0.8	0.0
-42.5°	0.8	0.0
-43.75°	0.8	0.0
-45°	0.7	0.0
-46.25°	0.7	0.0
-47.5°	0.7	0.0
-48.75°	0.7	0.0
-50°	0.7	0.0
-51.25°	0.7	0.0
-52.5°	0.6	0.0
-53.75°	0.6	0.0
-55°	0.6	0.0
-56.25°	0.6	0.0
-57.5°	0.6	0.0
-58.75°	0.5	0.0
-60°	0.5	0.0
-61.25°	0.5	0.0
-62.5°	0.5	0.0
-63.75°	0.5	0.0
-65°	0.4	0.0
-66.25°	0.4	0.0
-67.5°	0.4	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.3	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.2	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220492 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.2	0.0
-80°	0.2	0.0
-81.25°	0.2	0.0
-82.5°	0.1	0.0
-83.75°	0.1	0.0
-85°	0.1	0.0
-86.25°	0.1	0.0
-87.5°	0.0	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)