

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: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

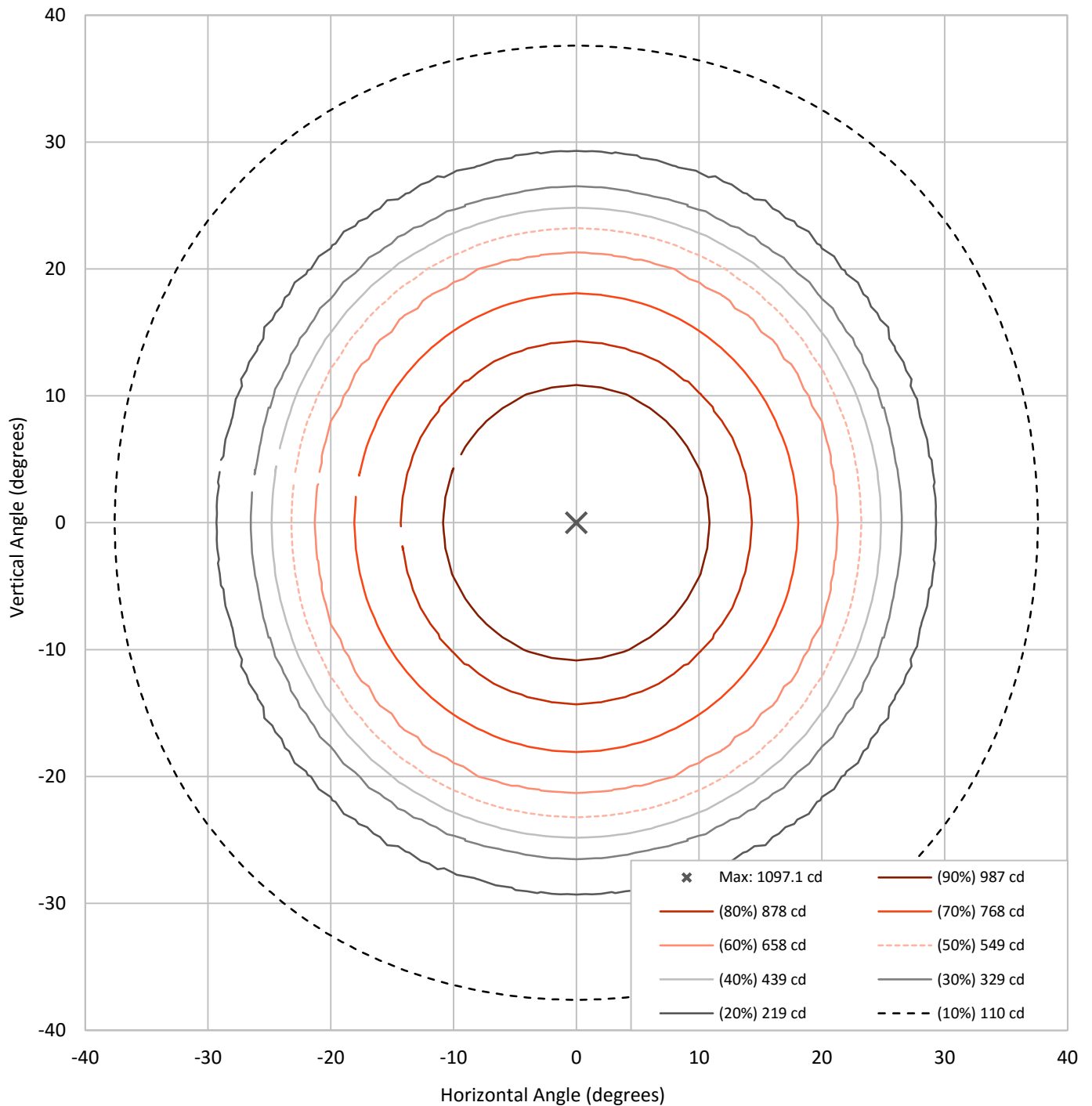
Test Method: LM-79-08  
Report Number: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	738.5 lumens	Max Intensity:	1097.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.4 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:	424.2 lumens	Field Lumens:	604.4 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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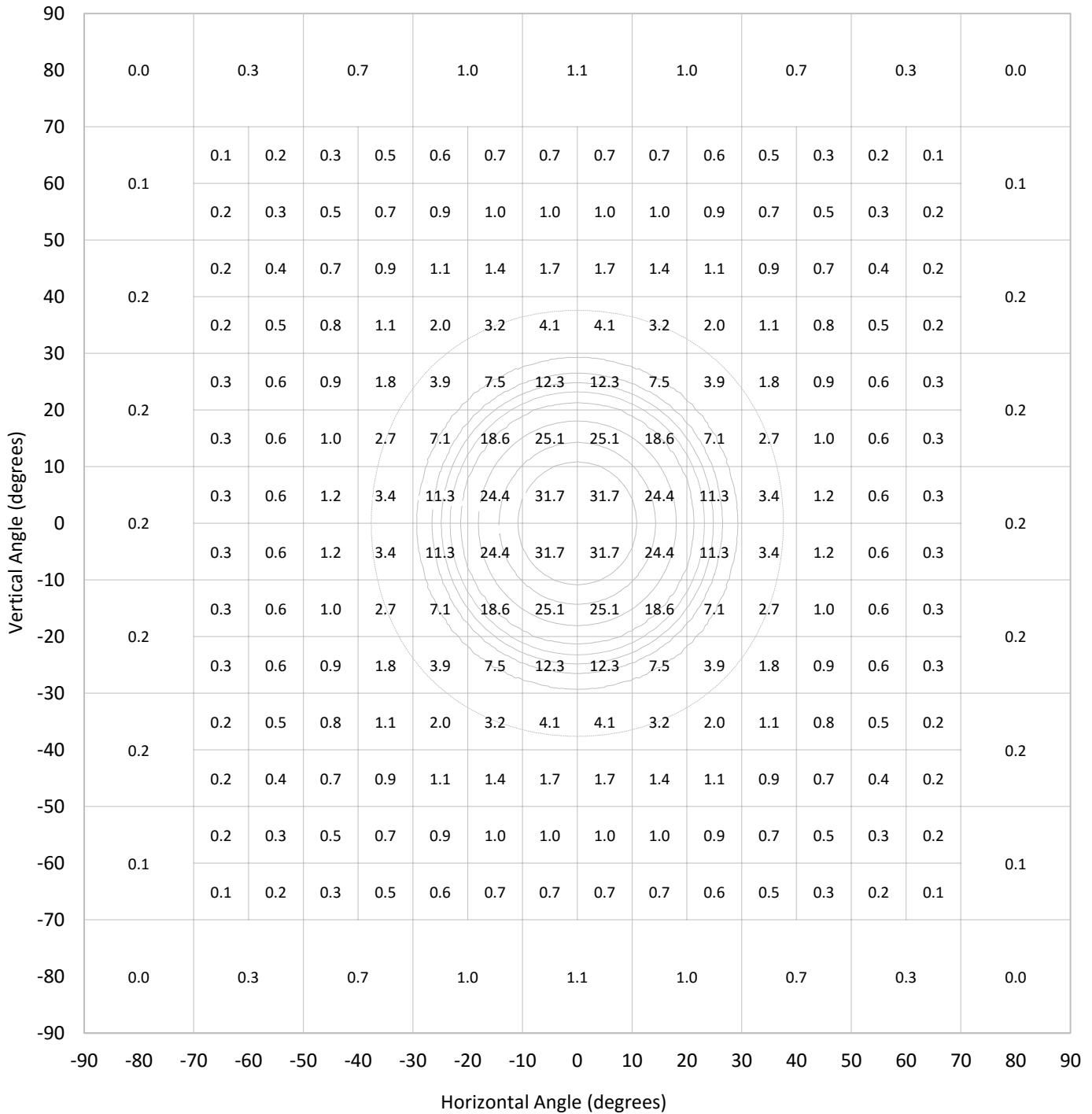
### Iso-Candela Plot





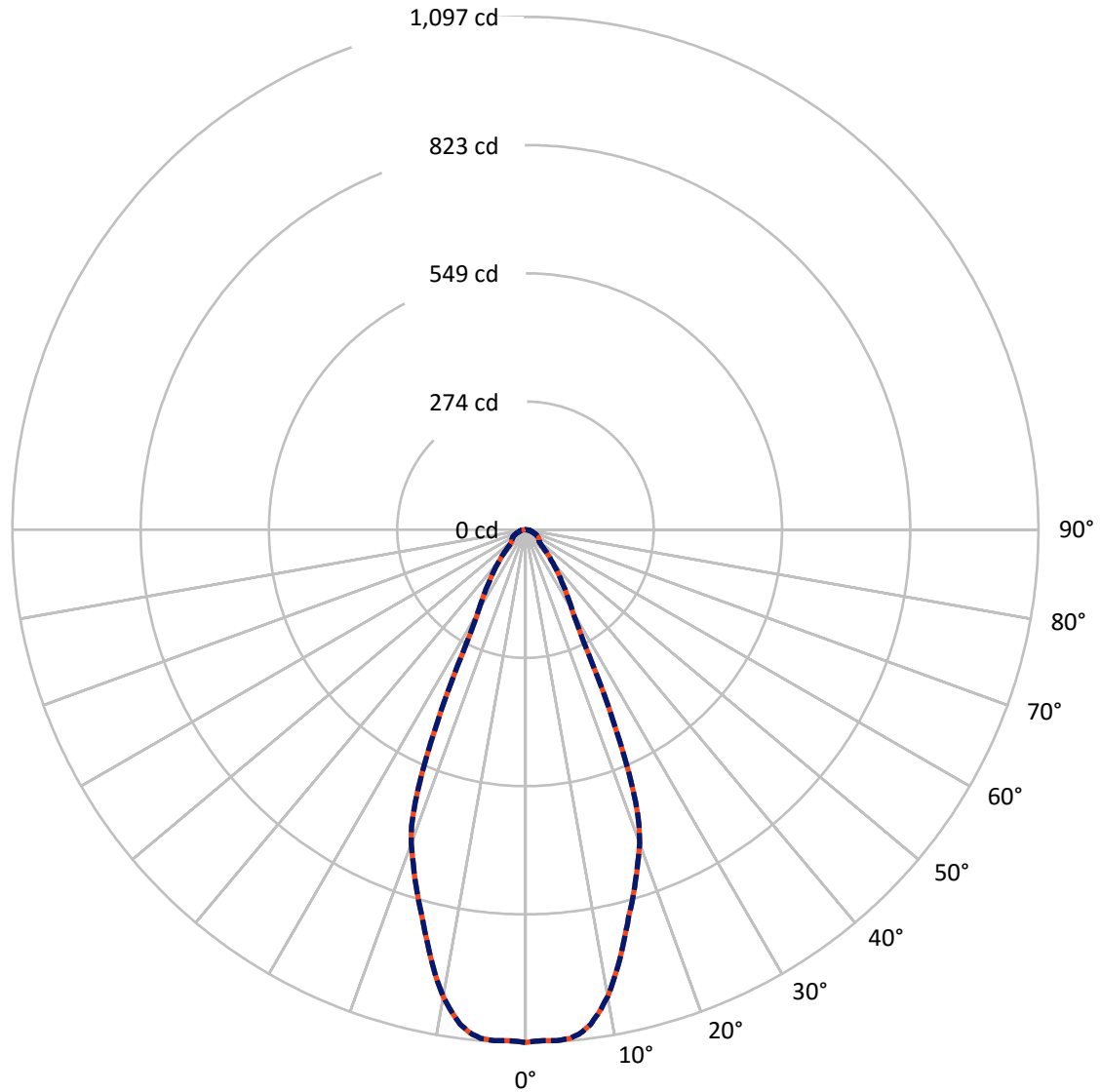
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### Lumen Table



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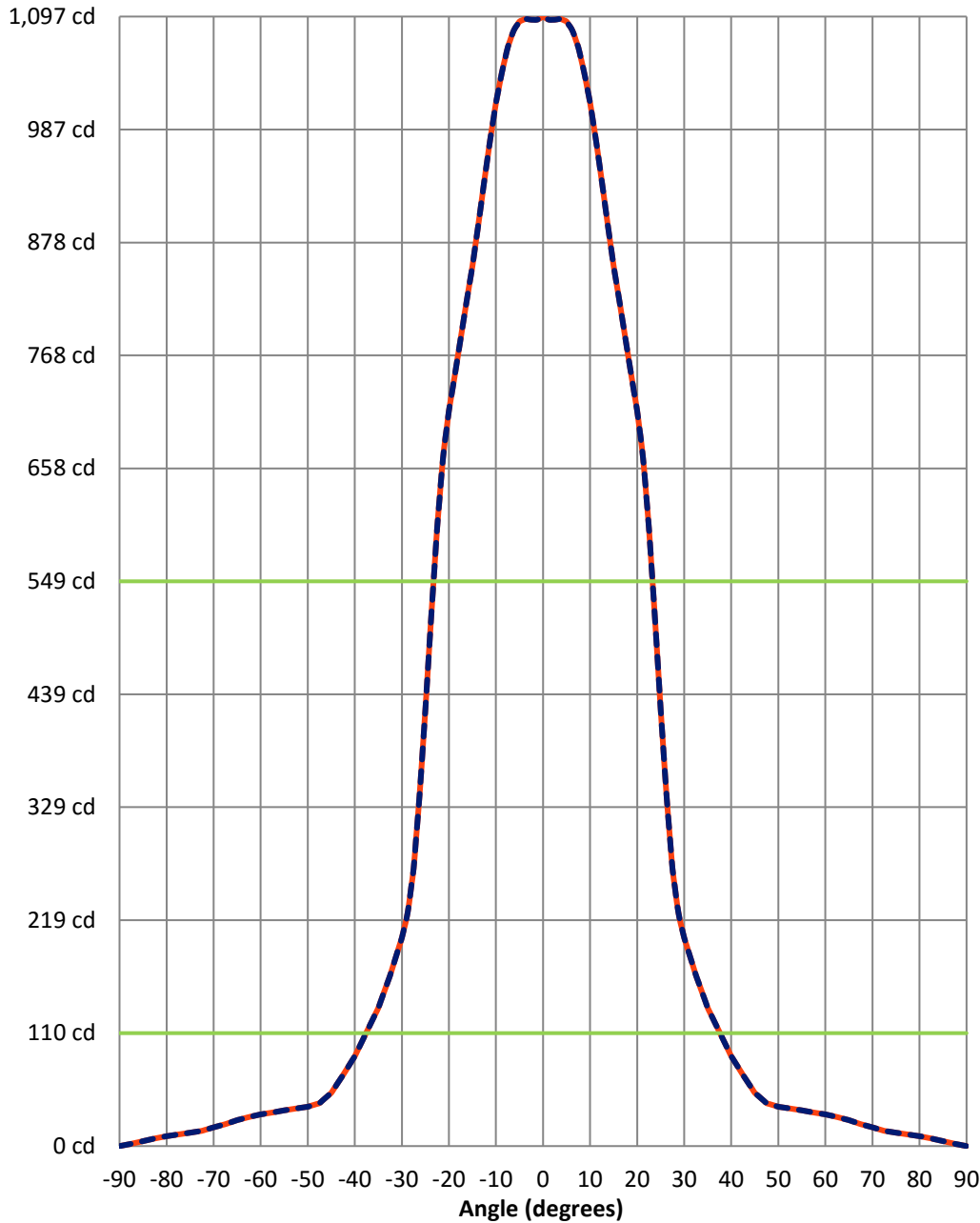
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 46.5°  
 V Angle: 46.5°  
 Lumens: 424.2  
 Efficiency: 57.4%

**Field:**  
 H Angle: 75.2°  
 V Angle: 75.2°  
 Lumens: 604.4  
 Efficiency: 81.8%

**Spill:**  
 Lumens: 134.1  
 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	0.4	0.4	0.5	0.6	0.6	0.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
78.75°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7
75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.9	3.2
72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7
70°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.6	4.0
68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.6	4.1	4.5
66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.3	3.8	4.3	4.8
65°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.4	4.0	4.5	5.1
63.75°	0.0	0.5	1.0	1.5	1.9	2.5	3.0	3.6	4.2	4.7	5.3
62.5°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	5.0	5.6
61.25°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.0	4.6	5.2	5.8
60°	0.0	0.5	1.1	1.6	2.2	2.8	3.5	4.1	4.8	5.4	6.1
58.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.6	4.3	5.0	5.6	6.3
57.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.8	4.5	5.2	5.9	6.5
56.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.4	6.1	6.8
55°	0.0	0.6	1.3	1.9	2.6	3.3	4.1	4.8	5.5	6.3	7.0
53.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.2	5.0	5.7	6.5	7.2
52.5°	0.0	0.7	1.3	2.0	2.8	3.6	4.3	5.1	5.9	6.7	7.5
51.25°	0.0	0.7	1.4	2.1	2.9	3.7	4.5	5.3	6.1	6.9	7.7
50°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.4	6.3	7.1	7.8
48.75°	0.0	0.7	1.5	2.2	3.0	3.9	4.7	5.6	6.4	7.3	8.0
47.5°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.7	6.6	7.5	8.2
46.25°	0.0	0.8	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.6	8.4
45°	0.0	0.8	1.6	2.4	3.3	4.2	5.1	6.0	6.9	7.8	8.5
43.75°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.1	7.9	8.7
42.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.3	6.3	7.2	8.1	8.9
41.25°	0.0	0.8	1.7	2.5	3.5	4.5	5.5	6.4	7.4	8.2	9.0
40°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.5	8.4	9.2
38.75°	0.0	0.9	1.7	2.6	3.7	4.7	5.7	6.7	7.6	8.5	9.4
37.5°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.8	7.8	8.6	9.5
36.25°	0.0	0.9	1.8	2.7	3.8	4.8	5.9	6.9	7.9	8.8	9.6
35°	0.0	0.9	1.8	2.8	3.9	4.9	6.0	7.0	8.0	8.9	9.7



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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	1.8	2.8	3.9	5.0	6.1	7.2	8.1	9.0	9.8
32.5°	0.0	0.9	1.9	2.9	4.0	5.1	6.2	7.3	8.2	9.1	10.0
31.25°	0.0	0.9	1.9	2.9	4.0	5.2	6.3	7.4	8.3	9.2	10.1
30°	0.0	1.0	1.9	3.0	4.1	5.2	6.4	7.5	8.4	9.4	10.1
28.75°	0.0	1.0	1.9	3.0	4.2	5.3	6.4	7.5	8.5	9.5	10.2
27.5°	0.0	1.0	2.0	3.1	4.2	5.4	6.5	7.6	8.6	9.6	10.3
26.25°	0.0	1.0	2.0	3.1	4.3	5.4	6.6	7.7	8.7	9.7	10.4
25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.8	8.8	9.7	10.5
23.75°	0.0	1.0	2.0	3.2	4.4	5.5	6.7	7.8	8.8	9.8	10.6
22.5°	0.0	1.0	2.0	3.2	4.4	5.6	6.8	7.9	8.9	9.9	10.6
21.25°	0.0	1.0	2.1	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.7
20°	0.0	1.0	2.1	3.3	4.5	5.7	6.9	8.0	9.1	10.0	10.8
18.75°	0.0	1.0	2.1	3.3	4.5	5.8	7.0	8.1	9.1	10.0	10.8
17.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.0	8.1	9.2	10.1	10.9
16.25°	0.0	1.1	2.1	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
15°	0.0	1.1	2.1	3.4	4.6	5.9	7.1	8.2	9.3	10.2	11.0
13.75°	0.0	1.1	2.1	3.4	4.7	5.9	7.2	8.3	9.3	10.2	11.1
12.5°	0.0	1.1	2.1	3.4	4.7	5.9	7.2	8.3	9.4	10.3	11.1
11.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.2	8.4	9.4	10.3	11.1
10°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
8.75°	0.0	1.1	2.2	3.5	4.7	6.0	7.3	8.4	9.5	10.4	11.2
7.5°	0.0	1.1	2.2	3.5	4.8	6.0	7.3	8.4	9.5	10.4	11.2
6.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.5	10.4	11.2
5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
3.75°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
2.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
1.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
0°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.5	11.3
-1.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
-2.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
-3.75°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
-5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.6	10.4	11.3
-6.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.5	10.4	11.2
-7.5°	0.0	1.1	2.2	3.5	4.8	6.0	7.3	8.4	9.5	10.4	11.2
-8.75°	0.0	1.1	2.2	3.5	4.7	6.0	7.3	8.4	9.5	10.4	11.2
-10°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.4	9.5	10.3	11.2
-11.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.2	8.4	9.4	10.3	11.1
-12.5°	0.0	1.1	2.1	3.4	4.7	5.9	7.2	8.3	9.4	10.3	11.1
-13.75°	0.0	1.1	2.1	3.4	4.7	5.9	7.2	8.3	9.3	10.2	11.1
-15°	0.0	1.1	2.1	3.4	4.6	5.9	7.1	8.2	9.3	10.2	11.0
-16.25°	0.0	1.1	2.1	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
-17.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.0	8.1	9.2	10.1	10.9
-18.75°	0.0	1.0	2.1	3.3	4.5	5.8	7.0	8.1	9.1	10.0	10.8
-20°	0.0	1.0	2.1	3.3	4.5	5.7	6.9	8.0	9.1	10.0	10.8
-21.25°	0.0	1.0	2.1	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.7





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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	2.0	3.2	4.4	5.6	6.8	7.9	8.9	9.9	10.6
-23.75°	0.0	1.0	2.0	3.2	4.4	5.5	6.7	7.8	8.8	9.8	10.6
-25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.8	8.8	9.7	10.5
-26.25°	0.0	1.0	2.0	3.1	4.3	5.4	6.6	7.7	8.7	9.7	10.4
-27.5°	0.0	1.0	2.0	3.1	4.2	5.4	6.5	7.6	8.6	9.6	10.3
-28.75°	0.0	1.0	1.9	3.0	4.2	5.3	6.4	7.5	8.5	9.5	10.2
-30°	0.0	1.0	1.9	3.0	4.1	5.2	6.4	7.5	8.4	9.4	10.1
-31.25°	0.0	0.9	1.9	2.9	4.0	5.2	6.3	7.4	8.3	9.2	10.1
-32.5°	0.0	0.9	1.9	2.9	4.0	5.1	6.2	7.3	8.2	9.1	10.0
-33.75°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.2	8.1	9.0	9.8
-35°	0.0	0.9	1.8	2.8	3.9	4.9	6.0	7.0	8.0	8.9	9.7
-36.25°	0.0	0.9	1.8	2.7	3.8	4.8	5.9	6.9	7.9	8.8	9.6
-37.5°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.8	7.8	8.6	9.5
-38.75°	0.0	0.9	1.7	2.6	3.7	4.7	5.7	6.7	7.6	8.5	9.4
-40°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.5	8.4	9.2
-41.25°	0.0	0.8	1.7	2.5	3.5	4.5	5.5	6.4	7.4	8.2	9.0
-42.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.3	6.3	7.2	8.1	8.9
-43.75°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.1	7.9	8.7
-45°	0.0	0.8	1.6	2.4	3.3	4.2	5.1	6.0	6.9	7.8	8.5
-46.25°	0.0	0.8	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.6	8.4
-47.5°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.7	6.6	7.5	8.2
-48.75°	0.0	0.7	1.5	2.2	3.0	3.9	4.7	5.6	6.4	7.3	8.0
-50°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.4	6.3	7.1	7.8
-51.25°	0.0	0.7	1.4	2.1	2.9	3.7	4.5	5.3	6.1	6.9	7.7
-52.5°	0.0	0.7	1.3	2.0	2.8	3.6	4.3	5.1	5.9	6.7	7.5
-53.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.2	5.0	5.7	6.5	7.2
-55°	0.0	0.6	1.3	1.9	2.6	3.3	4.1	4.8	5.5	6.3	7.0
-56.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.4	6.1	6.8
-57.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.8	4.5	5.2	5.9	6.5
-58.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.6	4.3	5.0	5.6	6.3
-60°	0.0	0.5	1.1	1.6	2.2	2.8	3.5	4.1	4.8	5.4	6.1
-61.25°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.0	4.6	5.2	5.8
-62.5°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	5.0	5.6
-63.75°	0.0	0.5	1.0	1.5	1.9	2.5	3.0	3.6	4.2	4.7	5.3
-65°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.4	4.0	4.5	5.1
-66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.3	3.8	4.3	4.8
-67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.6	4.1	4.5
-68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
-70°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.6	4.0
-71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7
-72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.9	3.2
-75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
-76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7
-77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4



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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	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	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: P220491 (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°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
82.5°	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
81.25°	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6
80°	2.1	2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2
78.75°	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7
77.5°	2.7	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.3
76.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
75°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4
73.75°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.7	7.0
72.5°	3.9	4.2	4.6	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.5
71.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
70°	4.4	4.9	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.1	8.5
68.75°	4.7	5.2	5.7	6.1	6.6	7.0	7.4	7.8	8.2	8.6	8.9
67.5°	5.0	5.5	6.0	6.5	6.9	7.4	7.8	8.2	8.6	9.0	9.4
66.25°	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.6	9.0	9.4	9.8
65°	5.6	6.1	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.8	10.1
63.75°	5.9	6.4	7.0	7.5	8.0	8.5	8.9	9.4	9.8	10.1	10.5
62.5°	6.2	6.7	7.3	7.8	8.3	8.8	9.3	9.7	10.1	10.5	10.8
61.25°	6.4	7.0	7.6	8.1	8.6	9.1	9.6	10.0	10.4	10.8	11.2
60°	6.7	7.3	7.9	8.4	8.9	9.5	9.9	10.3	10.7	11.1	11.5
58.75°	7.0	7.6	8.1	8.7	9.2	9.7	10.2	10.6	11.0	11.4	11.8
57.5°	7.2	7.8	8.4	9.0	9.6	10.0	10.4	10.9	11.3	11.7	12.1
56.25°	7.5	8.1	8.7	9.3	9.8	10.2	10.7	11.1	11.6	12.0	12.5
55°	7.7	8.3	8.9	9.5	10.0	10.5	11.0	11.4	11.9	12.3	12.8
53.75°	7.9	8.5	9.2	9.8	10.3	10.7	11.2	11.7	12.2	12.6	13.1
52.5°	8.1	8.8	9.4	10.0	10.5	11.0	11.5	12.0	12.5	12.9	13.4
51.25°	8.3	9.0	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8
50°	8.5	9.2	9.8	10.4	10.9	11.4	12.0	12.5	13.0	13.5	14.1
48.75°	8.7	9.4	10.0	10.6	11.1	11.7	12.2	12.7	13.3	13.8	14.4
47.5°	8.9	9.6	10.2	10.8	11.3	11.9	12.4	13.0	13.6	14.1	14.7
46.25°	9.1	9.8	10.4	11.0	11.5	12.1	12.7	13.2	13.8	14.4	15.2
45°	9.3	10.0	10.6	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.8
43.75°	9.5	10.1	10.7	11.3	11.9	12.5	13.1	13.8	14.4	15.2	16.3
42.5°	9.7	10.3	10.9	11.5	12.1	12.7	13.4	14.0	14.6	15.7	16.9
41.25°	9.8	10.4	11.1	11.7	12.3	12.9	13.6	14.2	15.0	16.2	17.4
40°	9.9	10.6	11.2	11.9	12.5	13.1	13.8	14.5	15.4	16.7	17.9
38.75°	10.1	10.7	11.4	12.0	12.7	13.3	14.0	14.7	15.9	17.2	18.4
37.5°	10.2	10.9	11.5	12.2	12.8	13.5	14.2	15.0	16.3	17.6	18.9
36.25°	10.3	11.0	11.7	12.3	13.0	13.7	14.4	15.4	16.8	18.1	19.3
35°	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.8	17.2	18.5	19.7



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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°	10.6	11.3	11.9	12.6	13.4	14.1	14.9	16.2	17.6	18.9	20.2
32.5°	10.7	11.4	12.1	12.8	13.5	14.3	15.2	16.6	18.0	19.3	20.6
31.25°	10.8	11.5	12.2	12.9	13.7	14.4	15.5	17.0	18.4	19.7	20.9
30°	10.9	11.6	12.3	13.1	13.8	14.6	15.9	17.3	18.7	20.0	21.3
28.75°	11.0	11.7	12.5	13.2	14.0	14.8	16.2	17.7	19.0	20.4	21.8
27.5°	11.1	11.8	12.6	13.3	14.1	15.0	16.5	18.0	19.4	20.7	22.2
26.25°	11.2	11.9	12.7	13.5	14.3	15.3	16.8	18.3	19.7	21.0	22.7
25°	11.3	12.0	12.8	13.6	14.4	15.6	17.1	18.6	19.9	21.3	23.1
23.75°	11.3	12.1	12.9	13.7	14.5	15.8	17.3	18.8	20.2	21.7	23.5
22.5°	11.4	12.2	13.0	13.8	14.6	16.1	17.6	19.1	20.5	22.1	23.8
21.25°	11.5	12.3	13.1	13.9	14.8	16.3	17.8	19.3	20.7	22.4	24.2
20°	11.6	12.4	13.2	14.0	14.9	16.5	18.1	19.5	21.0	22.7	24.5
18.75°	11.6	12.4	13.3	14.1	15.1	16.7	18.3	19.7	21.2	23.0	24.8
17.5°	11.7	12.5	13.3	14.2	15.3	16.9	18.5	19.9	21.4	23.3	25.1
16.25°	11.8	12.6	13.4	14.3	15.4	17.1	18.6	20.1	21.7	23.5	25.4
15°	11.8	12.6	13.5	14.4	15.6	17.2	18.8	20.3	21.9	23.8	25.5
13.75°	11.9	12.7	13.6	14.4	15.7	17.4	19.0	20.5	22.1	24.0	25.7
12.5°	11.9	12.8	13.6	14.5	15.9	17.5	19.1	20.6	22.3	24.2	25.9
11.25°	12.0	12.8	13.7	14.6	16.0	17.7	19.2	20.7	22.5	24.4	26.1
10°	12.0	12.8	13.7	14.6	16.1	17.8	19.3	20.9	22.7	24.6	26.2
8.75°	12.0	12.9	13.8	14.6	16.2	17.9	19.4	21.0	22.8	24.7	26.3
7.5°	12.1	12.9	13.8	14.7	16.3	18.0	19.5	21.0	22.9	24.8	26.4
6.25°	12.1	12.9	13.8	14.7	16.3	18.0	19.6	21.1	23.0	25.0	26.5
5°	12.1	13.0	13.9	14.8	16.4	18.1	19.6	21.2	23.1	25.0	26.6
3.75°	12.1	13.0	13.9	14.8	16.4	18.1	19.7	21.2	23.2	25.1	26.6
2.5°	12.1	13.0	13.9	14.8	16.5	18.2	19.7	21.3	23.2	25.2	26.7
1.25°	12.1	13.0	13.9	14.8	16.5	18.2	19.7	21.3	23.2	25.2	26.7
0°	12.2	13.0	13.9	14.8	16.5	18.2	19.8	21.3	23.3	25.2	26.7
-1.25°	12.1	13.0	13.9	14.8	16.5	18.2	19.7	21.3	23.2	25.2	26.7
-2.5°	12.1	13.0	13.9	14.8	16.5	18.2	19.7	21.3	23.2	25.2	26.7
-3.75°	12.1	13.0	13.9	14.8	16.4	18.1	19.7	21.2	23.2	25.1	26.6
-5°	12.1	13.0	13.9	14.8	16.4	18.1	19.6	21.2	23.1	25.0	26.6
-6.25°	12.1	12.9	13.8	14.7	16.3	18.0	19.6	21.1	23.0	25.0	26.5
-7.5°	12.1	12.9	13.8	14.7	16.3	18.0	19.5	21.0	22.9	24.8	26.4
-8.75°	12.0	12.9	13.8	14.6	16.2	17.9	19.4	21.0	22.8	24.7	26.3
-10°	12.0	12.8	13.7	14.6	16.1	17.8	19.3	20.9	22.7	24.6	26.2
-11.25°	12.0	12.8	13.7	14.6	16.0	17.7	19.2	20.7	22.5	24.4	26.1
-12.5°	11.9	12.8	13.6	14.5	15.9	17.5	19.1	20.6	22.3	24.2	25.9
-13.75°	11.9	12.7	13.6	14.4	15.7	17.4	19.0	20.5	22.1	24.0	25.7
-15°	11.8	12.6	13.5	14.4	15.6	17.2	18.8	20.3	21.9	23.8	25.5
-16.25°	11.8	12.6	13.4	14.3	15.4	17.1	18.6	20.1	21.7	23.5	25.4
-17.5°	11.7	12.5	13.3	14.2	15.3	16.9	18.5	19.9	21.4	23.3	25.1
-18.75°	11.6	12.4	13.3	14.1	15.1	16.7	18.3	19.7	21.2	23.0	24.8
-20°	11.6	12.4	13.2	14.0	14.9	16.5	18.1	19.5	21.0	22.7	24.5
-21.25°	11.5	12.3	13.1	13.9	14.8	16.3	17.8	19.3	20.7	22.4	24.2



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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°	11.4	12.2	13.0	13.8	14.6	16.1	17.6	19.1	20.5	22.1	23.8
-23.75°	11.3	12.1	12.9	13.7	14.5	15.8	17.3	18.8	20.2	21.7	23.5
-25°	11.3	12.0	12.8	13.6	14.4	15.6	17.1	18.6	19.9	21.3	23.1
-26.25°	11.2	11.9	12.7	13.5	14.3	15.3	16.8	18.3	19.7	21.0	22.7
-27.5°	11.1	11.8	12.6	13.3	14.1	15.0	16.5	18.0	19.4	20.7	22.2
-28.75°	11.0	11.7	12.5	13.2	14.0	14.8	16.2	17.7	19.0	20.4	21.8
-30°	10.9	11.6	12.3	13.1	13.8	14.6	15.9	17.3	18.7	20.0	21.3
-31.25°	10.8	11.5	12.2	12.9	13.7	14.4	15.5	17.0	18.4	19.7	20.9
-32.5°	10.7	11.4	12.1	12.8	13.5	14.3	15.2	16.6	18.0	19.3	20.6
-33.75°	10.6	11.3	11.9	12.6	13.4	14.1	14.9	16.2	17.6	18.9	20.2
-35°	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.8	17.2	18.5	19.7
-36.25°	10.3	11.0	11.7	12.3	13.0	13.7	14.4	15.4	16.8	18.1	19.3
-37.5°	10.2	10.9	11.5	12.2	12.8	13.5	14.2	15.0	16.3	17.6	18.9
-38.75°	10.1	10.7	11.4	12.0	12.7	13.3	14.0	14.7	15.9	17.2	18.4
-40°	9.9	10.6	11.2	11.9	12.5	13.1	13.8	14.5	15.4	16.7	17.9
-41.25°	9.8	10.4	11.1	11.7	12.3	12.9	13.6	14.2	15.0	16.2	17.4
-42.5°	9.7	10.3	10.9	11.5	12.1	12.7	13.4	14.0	14.6	15.7	16.9
-43.75°	9.5	10.1	10.7	11.3	11.9	12.5	13.1	13.8	14.4	15.2	16.3
-45°	9.3	10.0	10.6	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.8
-46.25°	9.1	9.8	10.4	11.0	11.5	12.1	12.7	13.2	13.8	14.4	15.2
-47.5°	8.9	9.6	10.2	10.8	11.3	11.9	12.4	13.0	13.6	14.1	14.7
-48.75°	8.7	9.4	10.0	10.6	11.1	11.7	12.2	12.7	13.3	13.8	14.4
-50°	8.5	9.2	9.8	10.4	10.9	11.4	12.0	12.5	13.0	13.5	14.1
-51.25°	8.3	9.0	9.7	10.2	10.7	11.2	11.7	12.2	12.7	13.2	13.8
-52.5°	8.1	8.8	9.4	10.0	10.5	11.0	11.5	12.0	12.5	12.9	13.4
-53.75°	7.9	8.5	9.2	9.8	10.3	10.7	11.2	11.7	12.2	12.6	13.1
-55°	7.7	8.3	8.9	9.5	10.0	10.5	11.0	11.4	11.9	12.3	12.8
-56.25°	7.5	8.1	8.7	9.3	9.8	10.2	10.7	11.1	11.6	12.0	12.5
-57.5°	7.2	7.8	8.4	9.0	9.6	10.0	10.4	10.9	11.3	11.7	12.1
-58.75°	7.0	7.6	8.1	8.7	9.2	9.7	10.2	10.6	11.0	11.4	11.8
-60°	6.7	7.3	7.9	8.4	8.9	9.5	9.9	10.3	10.7	11.1	11.5
-61.25°	6.4	7.0	7.6	8.1	8.6	9.1	9.6	10.0	10.4	10.8	11.2
-62.5°	6.2	6.7	7.3	7.8	8.3	8.8	9.3	9.7	10.1	10.5	10.8
-63.75°	5.9	6.4	7.0	7.5	8.0	8.5	8.9	9.4	9.8	10.1	10.5
-65°	5.6	6.1	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.8	10.1
-66.25°	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.6	9.0	9.4	9.8
-67.5°	5.0	5.5	6.0	6.5	6.9	7.4	7.8	8.2	8.6	9.0	9.4
-68.75°	4.7	5.2	5.7	6.1	6.6	7.0	7.4	7.8	8.2	8.6	8.9
-70°	4.4	4.9	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.1	8.5
-71.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
-72.5°	3.9	4.2	4.6	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.5
-73.75°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.3	6.7	7.0
-75°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4
-76.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
-77.5°	2.7	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.3



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7
-80°	2.1	2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2
-81.25°	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6
-82.5°	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
-83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
-85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
-86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
-87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
-88.75°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	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



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
85°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9
83.75°	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8
82.5°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
81.25°	3.8	4.0	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.4
80°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3
78.75°	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1
77.5°	5.6	5.8	6.1	6.3	6.5	6.8	7.0	7.2	7.5	7.7	7.8
76.25°	6.2	6.4	6.7	7.0	7.2	7.5	7.7	7.9	8.1	8.3	8.5
75°	6.7	7.0	7.3	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.2
73.75°	7.3	7.6	7.9	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.8
72.5°	7.8	8.1	8.4	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4
71.25°	8.3	8.6	8.9	9.2	9.6	9.8	10.0	10.3	10.5	10.7	10.9
70°	8.8	9.1	9.5	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.4
68.75°	9.3	9.6	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0
67.5°	9.7	10.0	10.3	10.6	10.9	11.1	11.4	11.7	12.0	12.2	12.5
66.25°	10.1	10.4	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0
65°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5
63.75°	10.8	11.2	11.5	11.8	12.1	12.5	12.8	13.1	13.4	13.8	14.1
62.5°	11.2	11.5	11.9	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.6
61.25°	11.5	11.9	12.3	12.6	13.0	13.4	13.7	14.1	14.5	14.8	15.5
60°	11.9	12.3	12.6	13.0	13.4	13.8	14.2	14.6	15.1	15.8	16.5
58.75°	12.2	12.6	13.0	13.4	13.9	14.3	14.7	15.3	16.0	16.8	17.5
57.5°	12.6	13.0	13.4	13.9	14.3	14.7	15.4	16.2	17.0	17.7	18.5
56.25°	12.9	13.4	13.8	14.3	14.7	15.5	16.3	17.1	17.9	18.6	19.3
55°	13.3	13.7	14.2	14.7	15.4	16.3	17.1	18.0	18.7	19.5	20.2
53.75°	13.6	14.1	14.6	15.3	16.2	17.1	18.0	18.8	19.6	20.3	21.1
52.5°	14.0	14.5	15.1	16.0	17.0	17.9	18.7	19.6	20.4	21.2	22.1
51.25°	14.3	14.8	15.8	16.8	17.7	18.6	19.5	20.3	21.2	22.2	23.2
50°	14.6	15.5	16.5	17.5	18.5	19.3	20.2	21.1	22.1	23.2	24.3
48.75°	15.1	16.1	17.2	18.2	19.1	20.0	21.0	22.0	23.1	24.2	25.3
47.5°	15.7	16.8	17.8	18.8	19.8	20.7	21.8	22.9	24.1	25.2	26.1
46.25°	16.3	17.4	18.5	19.5	20.4	21.4	22.7	23.9	25.0	26.0	26.9
45°	16.9	18.0	19.1	20.1	21.1	22.3	23.5	24.8	25.8	26.7	27.6
43.75°	17.5	18.6	19.7	20.7	21.8	23.1	24.4	25.5	26.5	27.5	28.4
42.5°	18.1	19.2	20.2	21.3	22.6	23.9	25.2	26.2	27.2	28.2	29.0
41.25°	18.6	19.7	20.8	22.0	23.4	24.7	25.9	26.9	27.9	28.8	29.7
40°	19.1	20.2	21.3	22.7	24.1	25.4	26.5	27.5	28.5	29.4	30.3
38.75°	19.6	20.7	22.0	23.4	24.8	26.0	27.1	28.2	29.1	30.0	30.9
37.5°	20.0	21.2	22.7	24.1	25.5	26.6	27.7	28.7	29.6	30.6	31.3
36.25°	20.5	21.8	23.3	24.8	26.0	27.1	28.3	29.2	30.2	31.0	31.7
35°	21.0	22.4	23.9	25.4	26.5	27.7	28.7	29.7	30.7	31.4	32.1



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	21.4	23.0	24.5	25.9	27.0	28.2	29.2	30.2	31.1	31.8	32.5
32.5°	22.0	23.5	25.1	26.3	27.5	28.7	29.7	30.7	31.4	32.1	32.9
31.25°	22.5	24.1	25.6	26.8	28.0	29.1	30.1	31.1	31.8	32.5	33.3
30°	23.0	24.6	26.0	27.2	28.4	29.5	30.6	31.4	32.1	32.9	33.7
28.75°	23.5	25.1	26.4	27.7	28.8	29.9	30.9	31.7	32.4	33.3	34.1
27.5°	23.9	25.5	26.8	28.1	29.2	30.3	31.2	32.0	32.8	33.6	34.5
26.25°	24.4	25.9	27.2	28.4	29.6	30.7	31.5	32.3	33.1	34.0	34.8
25°	24.8	26.2	27.5	28.8	29.9	31.0	31.8	32.5	33.4	34.3	35.2
23.75°	25.2	26.5	27.9	29.1	30.2	31.2	32.0	32.8	33.7	34.7	35.4
22.5°	25.5	26.9	28.2	29.4	30.6	31.4	32.2	33.1	34.0	34.9	35.7
21.25°	25.8	27.2	28.5	29.7	30.8	31.7	32.5	33.4	34.3	35.2	36.0
20°	26.1	27.4	28.7	29.9	31.0	31.9	32.7	33.7	34.6	35.4	36.3
18.75°	26.3	27.7	29.0	30.2	31.2	32.1	32.9	33.9	34.8	35.7	36.5
17.5°	26.6	28.0	29.2	30.4	31.4	32.2	33.2	34.1	35.1	35.9	36.7
16.25°	26.8	28.2	29.4	30.7	31.6	32.4	33.4	34.4	35.2	36.1	36.9
15°	27.0	28.4	29.6	30.9	31.7	32.6	33.6	34.6	35.4	36.3	37.1
13.75°	27.2	28.6	29.8	31.0	31.9	32.7	33.7	34.7	35.6	36.5	37.3
12.5°	27.4	28.7	30.0	31.1	32.0	32.9	33.9	34.9	35.8	36.6	37.4
11.25°	27.5	28.9	30.1	31.2	32.1	33.0	34.1	35.0	35.9	36.8	37.6
10°	27.7	29.0	30.3	31.3	32.2	33.2	34.2	35.1	36.0	36.9	37.7
8.75°	27.8	29.1	30.4	31.4	32.3	33.3	34.3	35.2	36.1	37.0	37.8
7.5°	27.9	29.2	30.5	31.5	32.4	33.4	34.4	35.3	36.2	37.1	37.9
6.25°	28.0	29.3	30.6	31.6	32.4	33.5	34.5	35.4	36.3	37.2	38.0
5°	28.1	29.4	30.7	31.6	32.5	33.5	34.6	35.5	36.4	37.2	38.1
3.75°	28.1	29.4	30.7	31.6	32.5	33.6	34.6	35.5	36.4	37.3	38.1
2.5°	28.2	29.5	30.8	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
1.25°	28.2	29.5	30.8	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
0°	28.2	29.5	30.8	31.7	32.6	33.7	34.7	35.6	36.5	37.4	38.2
-1.25°	28.2	29.5	30.8	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
-2.5°	28.2	29.5	30.8	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
-3.75°	28.1	29.4	30.7	31.6	32.5	33.6	34.6	35.5	36.4	37.3	38.1
-5°	28.1	29.4	30.7	31.6	32.5	33.5	34.6	35.5	36.4	37.2	38.1
-6.25°	28.0	29.3	30.6	31.6	32.4	33.5	34.5	35.4	36.3	37.2	38.0
-7.5°	27.9	29.2	30.5	31.5	32.4	33.4	34.4	35.3	36.2	37.1	37.9
-8.75°	27.8	29.1	30.4	31.4	32.3	33.3	34.3	35.2	36.1	37.0	37.8
-10°	27.7	29.0	30.3	31.3	32.2	33.2	34.2	35.1	36.0	36.9	37.7
-11.25°	27.5	28.9	30.1	31.2	32.1	33.0	34.1	35.0	35.9	36.8	37.6
-12.5°	27.4	28.7	30.0	31.1	32.0	32.9	33.9	34.9	35.8	36.6	37.4
-13.75°	27.2	28.6	29.8	31.0	31.9	32.7	33.7	34.7	35.6	36.5	37.3
-15°	27.0	28.4	29.6	30.9	31.7	32.6	33.6	34.6	35.4	36.3	37.1
-16.25°	26.8	28.2	29.4	30.7	31.6	32.4	33.4	34.4	35.2	36.1	36.9
-17.5°	26.6	28.0	29.2	30.4	31.4	32.2	33.2	34.1	35.1	35.9	36.7
-18.75°	26.3	27.7	29.0	30.2	31.2	32.1	32.9	33.9	34.8	35.7	36.5
-20°	26.1	27.4	28.7	29.9	31.0	31.9	32.7	33.7	34.6	35.4	36.3
-21.25°	25.8	27.2	28.5	29.7	30.8	31.7	32.5	33.4	34.3	35.2	36.0





REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	25.5	26.9	28.2	29.4	30.6	31.4	32.2	33.1	34.0	34.9	35.7
-23.75°	25.2	26.5	27.9	29.1	30.2	31.2	32.0	32.8	33.7	34.7	35.4
-25°	24.8	26.2	27.5	28.8	29.9	31.0	31.8	32.5	33.4	34.3	35.2
-26.25°	24.4	25.9	27.2	28.4	29.6	30.7	31.5	32.3	33.1	34.0	34.8
-27.5°	23.9	25.5	26.8	28.1	29.2	30.3	31.2	32.0	32.8	33.6	34.5
-28.75°	23.5	25.1	26.4	27.7	28.8	29.9	30.9	31.7	32.4	33.3	34.1
-30°	23.0	24.6	26.0	27.2	28.4	29.5	30.6	31.4	32.1	32.9	33.7
-31.25°	22.5	24.1	25.6	26.8	28.0	29.1	30.1	31.1	31.8	32.5	33.3
-32.5°	22.0	23.5	25.1	26.3	27.5	28.7	29.7	30.7	31.4	32.1	32.9
-33.75°	21.4	23.0	24.5	25.9	27.0	28.2	29.2	30.2	31.1	31.8	32.5
-35°	21.0	22.4	23.9	25.4	26.5	27.7	28.7	29.7	30.7	31.4	32.1
-36.25°	20.5	21.8	23.3	24.8	26.0	27.1	28.3	29.2	30.2	31.0	31.7
-37.5°	20.0	21.2	22.7	24.1	25.5	26.6	27.7	28.7	29.6	30.6	31.3
-38.75°	19.6	20.7	22.0	23.4	24.8	26.0	27.1	28.2	29.1	30.0	30.9
-40°	19.1	20.2	21.3	22.7	24.1	25.4	26.5	27.5	28.5	29.4	30.3
-41.25°	18.6	19.7	20.8	22.0	23.4	24.7	25.9	26.9	27.9	28.8	29.7
-42.5°	18.1	19.2	20.2	21.3	22.6	23.9	25.2	26.2	27.2	28.2	29.0
-43.75°	17.5	18.6	19.7	20.7	21.8	23.1	24.4	25.5	26.5	27.5	28.4
-45°	16.9	18.0	19.1	20.1	21.1	22.3	23.5	24.8	25.8	26.7	27.6
-46.25°	16.3	17.4	18.5	19.5	20.4	21.4	22.7	23.9	25.0	26.0	26.9
-47.5°	15.7	16.8	17.8	18.8	19.8	20.7	21.8	22.9	24.1	25.2	26.1
-48.75°	15.1	16.1	17.2	18.2	19.1	20.0	21.0	22.0	23.1	24.2	25.3
-50°	14.6	15.5	16.5	17.5	18.5	19.3	20.2	21.1	22.1	23.2	24.3
-51.25°	14.3	14.8	15.8	16.8	17.7	18.6	19.5	20.3	21.2	22.2	23.2
-52.5°	14.0	14.5	15.1	16.0	17.0	17.9	18.7	19.6	20.4	21.2	22.1
-53.75°	13.6	14.1	14.6	15.3	16.2	17.1	18.0	18.8	19.6	20.3	21.1
-55°	13.3	13.7	14.2	14.7	15.4	16.3	17.1	18.0	18.7	19.5	20.2
-56.25°	12.9	13.4	13.8	14.3	14.7	15.5	16.3	17.1	17.9	18.6	19.3
-57.5°	12.6	13.0	13.4	13.9	14.3	14.7	15.4	16.2	17.0	17.7	18.5
-58.75°	12.2	12.6	13.0	13.4	13.9	14.3	14.7	15.3	16.0	16.8	17.5
-60°	11.9	12.3	12.6	13.0	13.4	13.8	14.2	14.6	15.1	15.8	16.5
-61.25°	11.5	11.9	12.3	12.6	13.0	13.4	13.7	14.1	14.5	14.8	15.5
-62.5°	11.2	11.5	11.9	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.6
-63.75°	10.8	11.2	11.5	11.8	12.1	12.5	12.8	13.1	13.4	13.8	14.1
-65°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5
-66.25°	10.1	10.4	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0
-67.5°	9.7	10.0	10.3	10.6	10.9	11.1	11.4	11.7	12.0	12.2	12.5
-68.75°	9.3	9.6	9.9	10.2	10.4	10.7	11.0	11.2	11.5	11.7	12.0
-70°	8.8	9.1	9.5	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.4
-71.25°	8.3	8.6	8.9	9.2	9.6	9.8	10.0	10.3	10.5	10.7	10.9
-72.5°	7.8	8.1	8.4	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4
-73.75°	7.3	7.6	7.9	8.1	8.4	8.7	8.9	9.2	9.4	9.7	9.8
-75°	6.7	7.0	7.3	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.2
-76.25°	6.2	6.4	6.7	7.0	7.2	7.5	7.7	7.9	8.1	8.3	8.5
-77.5°	5.6	5.8	6.1	6.3	6.5	6.8	7.0	7.2	7.5	7.7	7.8



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	5.0	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.1
-80°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3
-81.25°	3.8	4.0	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.4
-82.5°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
-83.75°	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8
-85°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9
-86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
-87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
86.25°	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
85°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8
83.75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8
82.5°	4.7	4.9	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9
81.25°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.6	6.7	6.8	6.9
80°	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	7.9
78.75°	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.6	8.8
77.5°	8.0	8.2	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.5	9.6
76.25°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.9	10.1	10.2	10.3
75°	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0
73.75°	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.5	11.7
72.5°	10.6	10.8	11.0	11.1	11.3	11.5	11.7	11.9	12.0	12.2	12.3
71.25°	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.8	13.0
70°	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7
68.75°	12.2	12.4	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4
67.5°	12.7	13.0	13.2	13.5	13.8	14.0	14.2	14.5	14.7	15.0	15.4
66.25°	13.3	13.6	13.8	14.1	14.4	14.6	15.0	15.4	15.9	16.3	16.8
65°	13.8	14.1	14.4	14.7	15.2	15.7	16.2	16.7	17.2	17.6	18.1
63.75°	14.4	14.7	15.2	15.8	16.3	16.9	17.4	17.9	18.4	18.9	19.3
62.5°	15.1	15.7	16.3	16.9	17.5	18.1	18.6	19.1	19.6	20.0	20.5
61.25°	16.1	16.8	17.4	18.0	18.6	19.2	19.7	20.2	20.7	21.2	21.8
60°	17.2	17.8	18.5	19.1	19.7	20.2	20.8	21.3	22.0	22.7	23.3
58.75°	18.2	18.8	19.5	20.1	20.7	21.3	22.0	22.7	23.4	24.1	24.8
57.5°	19.1	19.8	20.4	21.1	21.8	22.6	23.4	24.1	24.8	25.5	26.0
56.25°	20.0	20.7	21.4	22.3	23.1	23.9	24.7	25.4	26.0	26.6	27.1
55°	21.0	21.8	22.7	23.5	24.4	25.2	25.9	26.5	27.1	27.7	28.3
53.75°	22.0	22.9	23.9	24.8	25.5	26.2	26.9	27.5	28.2	28.7	29.2
52.5°	23.1	24.1	25.0	25.8	26.5	27.2	27.9	28.5	29.1	29.6	30.2
51.25°	24.2	25.2	26.0	26.7	27.5	28.2	28.8	29.4	30.0	30.6	31.0
50°	25.3	26.1	26.9	27.6	28.4	29.0	29.7	30.3	30.9	31.3	31.7
48.75°	26.1	26.9	27.8	28.5	29.2	29.8	30.5	31.0	31.5	31.9	32.3
47.5°	26.9	27.8	28.6	29.3	30.0	30.7	31.2	31.6	32.1	32.5	33.0
46.25°	27.8	28.6	29.3	30.0	30.8	31.3	31.8	32.2	32.7	33.2	33.8
45°	28.5	29.3	30.0	30.8	31.3	31.8	32.3	32.9	33.4	34.0	34.5
43.75°	29.2	30.0	30.8	31.3	31.8	32.4	32.9	33.5	34.1	34.7	35.2
42.5°	29.8	30.7	31.3	31.8	32.4	33.0	33.6	34.2	34.8	35.3	35.8
41.25°	30.5	31.2	31.8	32.3	32.9	33.6	34.2	34.8	35.3	35.9	36.4
40°	31.0	31.6	32.2	32.9	33.5	34.2	34.8	35.4	35.9	36.4	36.9
38.75°	31.5	32.1	32.7	33.4	34.1	34.8	35.3	35.9	36.5	37.0	37.5
37.5°	31.9	32.5	33.2	34.0	34.7	35.3	35.9	36.4	37.0	37.5	38.0
36.25°	32.3	33.0	33.8	34.5	35.2	35.8	36.4	36.9	37.5	38.0	39.0
35°	32.8	33.5	34.3	35.0	35.6	36.2	36.9	37.4	38.0	38.9	40.1



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	33.2	34.0	34.8	35.4	36.1	36.7	37.3	37.9	38.8	40.0	41.2
32.5°	33.7	34.5	35.2	35.9	36.5	37.1	37.8	38.5	39.8	41.0	43.1
31.25°	34.1	34.9	35.6	36.3	36.9	37.6	38.2	39.5	40.7	42.5	46.0
30°	34.5	35.3	36.0	36.7	37.3	38.0	39.1	40.4	41.7	45.3	48.9
28.75°	34.9	35.7	36.4	37.1	37.7	38.6	39.9	41.3	44.2	48.0	51.7
27.5°	35.3	36.0	36.7	37.4	38.1	39.4	40.8	42.9	46.8	50.6	56.3
26.25°	35.6	36.4	37.1	37.8	38.7	40.2	41.6	45.3	49.2	54.2	60.9
25°	35.9	36.7	37.4	38.1	39.5	40.9	43.5	47.6	51.6	58.4	65.3
23.75°	36.2	37.0	37.7	38.7	40.1	41.6	45.6	49.8	55.5	62.5	69.5
22.5°	36.5	37.3	38.0	39.3	40.8	43.4	47.7	52.1	59.3	66.5	73.9
21.25°	36.8	37.5	38.4	39.9	41.4	45.3	49.6	55.6	62.9	70.3	78.0
20°	37.0	37.8	38.9	40.5	42.7	47.1	51.5	58.9	66.4	74.1	82.0
18.75°	37.3	38.0	39.5	41.0	44.3	48.8	54.4	62.1	69.8	77.8	85.7
17.5°	37.5	38.4	40.0	41.6	45.9	50.4	57.3	65.1	73.1	81.2	89.9
16.25°	37.7	38.8	40.4	42.7	47.3	52.1	60.0	67.9	76.2	84.4	94.2
15°	37.9	39.2	40.9	44.0	48.7	54.5	62.6	70.7	79.1	87.5	98.2
13.75°	38.1	39.6	41.3	45.2	49.9	56.8	64.9	73.3	81.8	91.1	102.0
12.5°	38.3	40.0	41.6	46.3	51.1	58.9	67.1	75.6	84.3	94.5	105.4
11.25°	38.6	40.3	42.5	47.3	52.5	60.8	69.1	77.8	86.6	97.5	108.6
10°	38.9	40.6	43.4	48.2	54.1	62.5	71.0	79.8	89.0	100.2	111.4
8.75°	39.1	40.8	44.2	49.0	55.6	64.0	72.6	81.5	91.3	102.6	114.0
7.5°	39.4	41.1	44.8	49.7	56.8	65.3	74.1	83.0	93.3	104.8	116.2
6.25°	39.5	41.3	45.4	50.3	57.9	66.4	75.3	84.3	95.0	106.6	118.1
5°	39.7	41.4	45.9	50.8	58.8	67.4	76.3	85.4	96.5	108.0	119.7
3.75°	39.8	41.5	46.2	51.2	59.5	68.1	77.1	86.2	97.6	109.2	120.9
2.5°	39.9	41.6	46.5	51.5	60.0	68.6	77.7	86.8	98.4	110.0	121.8
1.25°	39.9	41.7	46.6	51.6	60.3	68.9	78.0	87.2	98.8	110.5	122.3
0°	40.0	41.7	46.7	51.7	60.4	69.0	78.2	87.3	99.0	110.7	122.5
-1.25°	39.9	41.7	46.6	51.6	60.3	68.9	78.0	87.2	98.8	110.5	122.3
-2.5°	39.9	41.6	46.5	51.5	60.0	68.6	77.7	86.8	98.4	110.0	121.8
-3.75°	39.8	41.5	46.2	51.2	59.5	68.1	77.1	86.2	97.6	109.2	120.9
-5°	39.7	41.4	45.9	50.8	58.8	67.4	76.3	85.4	96.5	108.0	119.7
-6.25°	39.5	41.3	45.4	50.3	57.9	66.4	75.3	84.3	95.0	106.6	118.1
-7.5°	39.4	41.1	44.8	49.7	56.8	65.3	74.1	83.0	93.3	104.8	116.2
-8.75°	39.1	40.8	44.2	49.0	55.6	64.0	72.6	81.5	91.3	102.6	114.0
-10°	38.9	40.6	43.4	48.2	54.1	62.5	71.0	79.8	89.0	100.2	111.4
-11.25°	38.6	40.3	42.5	47.3	52.5	60.8	69.1	77.8	86.6	97.5	108.6
-12.5°	38.3	40.0	41.6	46.3	51.1	58.9	67.1	75.6	84.3	94.5	105.4
-13.75°	38.1	39.6	41.3	45.2	49.9	56.8	64.9	73.3	81.8	91.1	102.0
-15°	37.9	39.2	40.9	44.0	48.7	54.5	62.6	70.7	79.1	87.5	98.2
-16.25°	37.7	38.8	40.4	42.7	47.3	52.1	60.0	67.9	76.2	84.4	94.2
-17.5°	37.5	38.4	40.0	41.6	45.9	50.4	57.3	65.1	73.1	81.2	89.9
-18.75°	37.3	38.0	39.5	41.0	44.3	48.8	54.4	62.1	69.8	77.8	85.7
-20°	37.0	37.8	38.9	40.5	42.7	47.1	51.5	58.9	66.4	74.1	82.0
-21.25°	36.8	37.5	38.4	39.9	41.4	45.3	49.6	55.6	62.9	70.3	78.0



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	36.5	37.3	38.0	39.3	40.8	43.4	47.7	52.1	59.3	66.5	73.9
-23.75°	36.2	37.0	37.7	38.7	40.1	41.6	45.6	49.8	55.5	62.5	69.5
-25°	35.9	36.7	37.4	38.1	39.5	40.9	43.5	47.6	51.6	58.4	65.3
-26.25°	35.6	36.4	37.1	37.8	38.7	40.2	41.6	45.3	49.2	54.2	60.9
-27.5°	35.3	36.0	36.7	37.4	38.1	39.4	40.8	42.9	46.8	50.6	56.3
-28.75°	34.9	35.7	36.4	37.1	37.7	38.6	39.9	41.3	44.2	48.0	51.7
-30°	34.5	35.3	36.0	36.7	37.3	38.0	39.1	40.4	41.7	45.3	48.9
-31.25°	34.1	34.9	35.6	36.3	36.9	37.6	38.2	39.5	40.7	42.5	46.0
-32.5°	33.7	34.5	35.2	35.9	36.5	37.1	37.8	38.5	39.8	41.0	43.1
-33.75°	33.2	34.0	34.8	35.4	36.1	36.7	37.3	37.9	38.8	40.0	41.2
-35°	32.8	33.5	34.3	35.0	35.6	36.2	36.9	37.4	38.0	38.9	40.1
-36.25°	32.3	33.0	33.8	34.5	35.2	35.8	36.4	36.9	37.5	38.0	39.0
-37.5°	31.9	32.5	33.2	34.0	34.7	35.3	35.9	36.4	37.0	37.5	38.0
-38.75°	31.5	32.1	32.7	33.4	34.1	34.8	35.3	35.9	36.5	37.0	37.5
-40°	31.0	31.6	32.2	32.9	33.5	34.2	34.8	35.4	35.9	36.4	36.9
-41.25°	30.5	31.2	31.8	32.3	32.9	33.6	34.2	34.8	35.3	35.9	36.4
-42.5°	29.8	30.7	31.3	31.8	32.4	33.0	33.6	34.2	34.8	35.3	35.8
-43.75°	29.2	30.0	30.8	31.3	31.8	32.4	32.9	33.5	34.1	34.7	35.2
-45°	28.5	29.3	30.0	30.8	31.3	31.8	32.3	32.9	33.4	34.0	34.5
-46.25°	27.8	28.6	29.3	30.0	30.8	31.3	31.8	32.2	32.7	33.2	33.8
-47.5°	26.9	27.8	28.6	29.3	30.0	30.7	31.2	31.6	32.1	32.5	33.0
-48.75°	26.1	26.9	27.8	28.5	29.2	29.8	30.5	31.0	31.5	31.9	32.3
-50°	25.3	26.1	26.9	27.6	28.4	29.0	29.7	30.3	30.9	31.3	31.7
-51.25°	24.2	25.2	26.0	26.7	27.5	28.2	28.8	29.4	30.0	30.6	31.0
-52.5°	23.1	24.1	25.0	25.8	26.5	27.2	27.9	28.5	29.1	29.6	30.2
-53.75°	22.0	22.9	23.9	24.8	25.5	26.2	26.9	27.5	28.2	28.7	29.2
-55°	21.0	21.8	22.7	23.5	24.4	25.2	25.9	26.5	27.1	27.7	28.3
-56.25°	20.0	20.7	21.4	22.3	23.1	23.9	24.7	25.4	26.0	26.6	27.1
-57.5°	19.1	19.8	20.4	21.1	21.8	22.6	23.4	24.1	24.8	25.5	26.0
-58.75°	18.2	18.8	19.5	20.1	20.7	21.3	22.0	22.7	23.4	24.1	24.8
-60°	17.2	17.8	18.5	19.1	19.7	20.2	20.8	21.3	22.0	22.7	23.3
-61.25°	16.1	16.8	17.4	18.0	18.6	19.2	19.7	20.2	20.7	21.2	21.8
-62.5°	15.1	15.7	16.3	16.9	17.5	18.1	18.6	19.1	19.6	20.0	20.5
-63.75°	14.4	14.7	15.2	15.8	16.3	16.9	17.4	17.9	18.4	18.9	19.3
-65°	13.8	14.1	14.4	14.7	15.2	15.7	16.2	16.7	17.2	17.6	18.1
-66.25°	13.3	13.6	13.8	14.1	14.4	14.6	15.0	15.4	15.9	16.3	16.8
-67.5°	12.7	13.0	13.2	13.5	13.8	14.0	14.2	14.5	14.7	15.0	15.4
-68.75°	12.2	12.4	12.7	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.4
-70°	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7
-71.25°	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.8	13.0
-72.5°	10.6	10.8	11.0	11.1	11.3	11.5	11.7	11.9	12.0	12.2	12.3
-73.75°	10.0	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.4	11.5	11.7
-75°	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0
-76.25°	8.7	8.9	9.1	9.3	9.5	9.7	9.8	9.9	10.1	10.2	10.3
-77.5°	8.0	8.2	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.5	9.6



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.6	8.8
-80°	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	7.9
-81.25°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.6	6.7	6.8	6.9
-82.5°	4.7	4.9	5.0	5.1	5.2	5.3	5.5	5.6	5.7	5.8	5.9
-83.75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8
-85°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8
-86.25°	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
-87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
-88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	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



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
86.25°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2
85°	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4
83.75°	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
82.5°	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8
81.25°	7.0	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.8	7.9
80°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9
78.75°	8.9	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.7	9.8	9.9
77.5°	9.7	9.8	10.0	10.1	10.1	10.2	10.3	10.4	10.5	10.6	10.6
76.25°	10.4	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4
75°	11.1	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2
73.75°	11.8	11.9	12.1	12.2	12.3	12.5	12.6	12.7	12.8	12.9	13.0
72.5°	12.5	12.6	12.8	12.9	13.1	13.2	13.3	13.5	13.6	13.7	13.8
71.25°	13.2	13.4	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6
70°	13.9	14.1	14.3	14.4	14.6	14.8	15.0	15.3	15.6	15.8	16.1
68.75°	14.6	14.9	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.3	17.6
67.5°	15.8	16.2	16.6	17.0	17.3	17.7	18.0	18.3	18.6	18.8	19.1
66.25°	17.2	17.6	18.0	18.4	18.7	19.0	19.4	19.7	19.9	20.2	20.5
65°	18.5	18.9	19.3	19.7	20.0	20.4	20.7	21.0	21.3	21.7	22.1
63.75°	19.7	20.2	20.6	20.9	21.3	21.8	22.2	22.7	23.1	23.5	23.8
62.5°	21.0	21.4	22.0	22.5	23.0	23.5	23.9	24.4	24.8	25.2	25.5
61.25°	22.4	23.0	23.5	24.1	24.6	25.1	25.5	25.9	26.2	26.5	26.9
60°	23.9	24.5	25.1	25.6	26.0	26.4	26.8	27.2	27.5	27.9	28.2
58.75°	25.4	25.9	26.3	26.8	27.2	27.7	28.1	28.4	28.8	29.1	29.4
57.5°	26.5	27.0	27.5	28.0	28.4	28.8	29.2	29.6	29.9	30.2	30.6
56.25°	27.7	28.2	28.7	29.1	29.5	29.9	30.3	30.7	31.0	31.2	31.4
55°	28.7	29.2	29.7	30.1	30.6	30.9	31.2	31.5	31.8	32.0	32.2
53.75°	29.7	30.2	30.7	31.1	31.4	31.7	32.0	32.3	32.5	32.8	33.1
52.5°	30.7	31.1	31.4	31.8	32.1	32.4	32.8	33.1	33.4	33.7	34.0
51.25°	31.4	31.8	32.1	32.5	32.9	33.3	33.6	34.0	34.3	34.7	34.9
50°	32.1	32.5	32.9	33.3	33.7	34.1	34.5	34.8	35.2	35.4	35.7
48.75°	32.8	33.2	33.7	34.1	34.5	34.9	35.3	35.6	35.9	36.2	36.5
47.5°	33.5	34.0	34.5	34.9	35.3	35.7	36.0	36.4	36.7	37.0	37.3
46.25°	34.3	34.8	35.2	35.6	36.0	36.4	36.7	37.1	37.4	37.7	38.0
45°	35.0	35.4	35.9	36.3	36.7	37.1	37.4	37.8	38.1	38.7	39.3
43.75°	35.6	36.1	36.5	36.9	37.3	37.7	38.1	38.7	39.5	40.1	40.8
42.5°	36.2	36.7	37.1	37.6	38.0	38.6	39.4	40.2	40.9	41.6	43.4
41.25°	36.9	37.3	37.8	38.2	39.1	39.9	40.8	41.6	43.5	45.6	47.7
40°	37.4	37.9	38.5	39.5	40.4	41.3	42.9	45.3	47.6	49.8	52.1
38.75°	38.0	38.8	39.8	40.7	41.7	44.2	46.8	49.2	51.6	55.5	59.3
37.5°	38.9	40.0	41.0	42.5	45.3	48.0	50.6	54.2	58.4	62.5	66.5
36.25°	40.1	41.2	43.1	46.0	48.9	51.7	56.3	60.9	65.3	69.5	73.9
35°	41.2	43.4	46.5	49.5	53.0	58.0	62.8	67.5	72.2	76.8	81.3



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	43.4	46.6	49.8	53.8	59.0	64.2	69.2	74.3	79.3	84.1	89.1
32.5°	46.5	49.8	54.1	59.6	65.0	70.3	75.8	81.1	86.2	92.3	98.4
31.25°	49.5	53.8	59.6	65.3	70.9	76.7	82.3	87.9	94.7	101.3	107.6
30°	53.0	59.0	65.0	70.9	77.0	82.9	89.1	96.3	103.3	110.1	116.7
28.75°	58.0	64.2	70.3	76.7	82.9	89.5	97.1	104.5	111.8	118.9	125.7
27.5°	62.8	69.2	75.8	82.3	89.1	97.1	105.0	112.6	120.1	127.4	134.6
26.25°	67.5	74.3	81.1	87.9	96.3	104.5	112.6	120.6	128.3	136.4	146.3
25°	72.2	79.3	86.2	94.7	103.3	111.8	120.1	128.3	137.0	147.5	157.7
23.75°	76.8	84.1	92.3	101.3	110.1	118.9	127.4	136.4	147.5	158.3	169.3
22.5°	81.3	89.1	98.4	107.6	116.7	125.7	134.6	146.3	157.7	169.3	181.9
21.25°	85.6	94.8	104.3	113.7	123.1	132.3	143.8	155.8	167.8	181.1	194.1
20°	90.4	100.2	110.0	119.6	129.2	140.2	152.7	165.0	178.8	192.5	206.5
18.75°	95.4	105.4	115.4	125.3	135.4	148.3	161.2	175.0	189.4	203.7	219.9
17.5°	100.2	110.4	120.6	130.6	142.8	156.1	169.8	184.8	199.5	215.9	240.2
16.25°	104.6	115.1	125.4	136.2	149.9	163.5	178.7	194.0	210.2	232.5	269.4
15°	108.8	119.4	130.0	142.6	156.6	171.2	187.1	202.9	221.8	252.9	304.0
13.75°	112.8	123.5	134.3	148.6	162.9	178.7	194.9	212.4	237.6	281.7	343.5
12.5°	116.4	127.3	139.6	154.2	169.1	185.7	202.2	222.4	257.0	313.5	383.9
11.25°	119.7	130.8	144.4	159.2	175.2	192.1	210.0	235.4	280.6	346.1	422.5
10°	122.7	133.9	148.8	163.8	180.8	197.9	217.0	247.9	305.1	378.6	459.9
8.75°	125.4	137.5	152.8	168.3	185.7	203.3	225.8	266.3	330.4	408.7	493.7
7.5°	127.7	140.8	156.2	172.4	190.1	208.5	234.7	282.4	352.8	436.0	522.2
6.25°	129.7	143.6	159.1	175.9	193.8	213.0	242.2	297.3	374.1	460.2	546.6
5°	131.3	145.9	161.5	178.8	196.8	216.8	250.1	312.3	392.0	480.2	566.8
3.75°	132.6	147.7	163.4	181.1	199.2	219.9	258.6	324.0	406.0	496.0	581.5
2.5°	133.5	149.0	164.7	182.7	200.9	223.3	264.7	332.5	416.1	506.9	592.0
1.25°	134.0	149.7	165.5	183.7	202.0	225.3	268.4	337.6	422.2	513.4	598.3
0°	134.2	150.0	165.8	184.1	202.3	226.0	269.7	339.3	424.2	515.6	600.5
-1.25°	134.0	149.7	165.5	183.7	202.0	225.3	268.4	337.6	422.2	513.4	598.3
-2.5°	133.5	149.0	164.7	182.7	200.9	223.3	264.7	332.5	416.1	506.9	592.0
-3.75°	132.6	147.7	163.4	181.1	199.2	219.9	258.6	324.0	406.0	496.0	581.5
-5°	131.3	145.9	161.5	178.8	196.8	216.8	250.1	312.3	392.0	480.2	566.8
-6.25°	129.7	143.6	159.1	175.9	193.8	213.0	242.2	297.3	374.1	460.2	546.6
-7.5°	127.7	140.8	156.2	172.4	190.1	208.5	234.7	282.4	352.8	436.0	522.2
-8.75°	125.4	137.5	152.8	168.3	185.7	203.3	225.8	266.3	330.4	408.7	493.7
-10°	122.7	133.9	148.8	163.8	180.8	197.9	217.0	247.9	305.1	378.6	459.9
-11.25°	119.7	130.8	144.4	159.2	175.2	192.1	210.0	235.4	280.6	346.1	422.5
-12.5°	116.4	127.3	139.6	154.2	169.1	185.7	202.2	222.4	257.0	313.5	383.9
-13.75°	112.8	123.5	134.3	148.6	162.9	178.7	194.9	212.4	237.6	281.7	343.5
-15°	108.8	119.4	130.0	142.6	156.6	171.2	187.1	202.9	221.8	252.9	304.0
-16.25°	104.6	115.1	125.4	136.2	149.9	163.5	178.7	194.0	210.2	232.5	269.4
-17.5°	100.2	110.4	120.6	130.6	142.8	156.1	169.8	184.8	199.5	215.9	240.2
-18.75°	95.4	105.4	115.4	125.3	135.4	148.3	161.2	175.0	189.4	203.7	219.9
-20°	90.4	100.2	110.0	119.6	129.2	140.2	152.7	165.0	178.8	192.5	206.5
-21.25°	85.6	94.8	104.3	113.7	123.1	132.3	143.8	155.8	167.8	181.1	194.1





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	81.3	89.1	98.4	107.6	116.7	125.7	134.6	146.3	157.7	169.3	181.9
-23.75°	76.8	84.1	92.3	101.3	110.1	118.9	127.4	136.4	147.5	158.3	169.3
-25°	72.2	79.3	86.2	94.7	103.3	111.8	120.1	128.3	137.0	147.5	157.7
-26.25°	67.5	74.3	81.1	87.9	96.3	104.5	112.6	120.6	128.3	136.4	146.3
-27.5°	62.8	69.2	75.8	82.3	89.1	97.1	105.0	112.6	120.1	127.4	134.6
-28.75°	58.0	64.2	70.3	76.7	82.9	89.5	97.1	104.5	111.8	118.9	125.7
-30°	53.0	59.0	65.0	70.9	77.0	82.9	89.1	96.3	103.3	110.1	116.7
-31.25°	49.5	53.8	59.6	65.3	70.9	76.7	82.3	87.9	94.7	101.3	107.6
-32.5°	46.5	49.8	54.1	59.6	65.0	70.3	75.8	81.1	86.2	92.3	98.4
-33.75°	43.4	46.6	49.8	53.8	59.0	64.2	69.2	74.3	79.3	84.1	89.1
-35°	41.2	43.4	46.5	49.5	53.0	58.0	62.8	67.5	72.2	76.8	81.3
-36.25°	40.1	41.2	43.1	46.0	48.9	51.7	56.3	60.9	65.3	69.5	73.9
-37.5°	38.9	40.0	41.0	42.5	45.3	48.0	50.6	54.2	58.4	62.5	66.5
-38.75°	38.0	38.8	39.8	40.7	41.7	44.2	46.8	49.2	51.6	55.5	59.3
-40°	37.4	37.9	38.5	39.5	40.4	41.3	42.9	45.3	47.6	49.8	52.1
-41.25°	36.9	37.3	37.8	38.2	39.1	39.9	40.8	41.6	43.5	45.6	47.7
-42.5°	36.2	36.7	37.1	37.6	38.0	38.6	39.4	40.2	40.9	41.6	43.4
-43.75°	35.6	36.1	36.5	36.9	37.3	37.7	38.1	38.7	39.5	40.1	40.8
-45°	35.0	35.4	35.9	36.3	36.7	37.1	37.4	37.8	38.1	38.7	39.3
-46.25°	34.3	34.8	35.2	35.6	36.0	36.4	36.7	37.1	37.4	37.7	38.0
-47.5°	33.5	34.0	34.5	34.9	35.3	35.7	36.0	36.4	36.7	37.0	37.3
-48.75°	32.8	33.2	33.7	34.1	34.5	34.9	35.3	35.6	35.9	36.2	36.5
-50°	32.1	32.5	32.9	33.3	33.7	34.1	34.5	34.8	35.2	35.4	35.7
-51.25°	31.4	31.8	32.1	32.5	32.9	33.3	33.6	34.0	34.3	34.7	34.9
-52.5°	30.7	31.1	31.4	31.8	32.1	32.4	32.8	33.1	33.4	33.7	34.0
-53.75°	29.7	30.2	30.7	31.1	31.4	31.7	32.0	32.3	32.5	32.8	33.1
-55°	28.7	29.2	29.7	30.1	30.6	30.9	31.2	31.5	31.8	32.0	32.2
-56.25°	27.7	28.2	28.7	29.1	29.5	29.9	30.3	30.7	31.0	31.2	31.4
-57.5°	26.5	27.0	27.5	28.0	28.4	28.8	29.2	29.6	29.9	30.2	30.6
-58.75°	25.4	25.9	26.3	26.8	27.2	27.7	28.1	28.4	28.8	29.1	29.4
-60°	23.9	24.5	25.1	25.6	26.0	26.4	26.8	27.2	27.5	27.9	28.2
-61.25°	22.4	23.0	23.5	24.1	24.6	25.1	25.5	25.9	26.2	26.5	26.9
-62.5°	21.0	21.4	22.0	22.5	23.0	23.5	23.9	24.4	24.8	25.2	25.5
-63.75°	19.7	20.2	20.6	20.9	21.3	21.8	22.2	22.7	23.1	23.5	23.8
-65°	18.5	18.9	19.3	19.7	20.0	20.4	20.7	21.0	21.3	21.7	22.1
-66.25°	17.2	17.6	18.0	18.4	18.7	19.0	19.4	19.7	19.9	20.2	20.5
-67.5°	15.8	16.2	16.6	17.0	17.3	17.7	18.0	18.3	18.6	18.8	19.1
-68.75°	14.6	14.9	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.3	17.6
-70°	13.9	14.1	14.3	14.4	14.6	14.8	15.0	15.3	15.6	15.8	16.1
-71.25°	13.2	13.4	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6
-72.5°	12.5	12.6	12.8	12.9	13.1	13.2	13.3	13.5	13.6	13.7	13.8
-73.75°	11.8	11.9	12.1	12.2	12.3	12.5	12.6	12.7	12.8	12.9	13.0
-75°	11.1	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2
-76.25°	10.4	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4
-77.5°	9.7	9.8	10.0	10.1	10.1	10.2	10.3	10.4	10.5	10.6	10.6



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	8.9	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.7	9.8	9.9
-80°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9
-81.25°	7.0	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.8	7.8	7.9
-82.5°	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.7	6.8
-83.75°	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
-85°	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4
-86.25°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2
-87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
-88.75°	0.9	0.9	0.9	0.9	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: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
86.25°	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
85°	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
83.75°	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0
82.5°	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3
81.25°	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.4
80°	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
78.75°	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.4
77.5°	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2
76.25°	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9	12.0	12.0	12.0
75°	12.3	12.4	12.4	12.5	12.6	12.6	12.7	12.8	12.8	12.8	12.9
73.75°	13.1	13.2	13.3	13.3	13.4	13.5	13.6	13.6	13.7	13.7	13.8
72.5°	13.9	14.0	14.1	14.2	14.3	14.4	14.4	14.5	14.6	14.6	14.6
71.25°	14.8	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1	16.2
70°	16.3	16.5	16.7	16.9	17.1	17.2	17.4	17.5	17.7	17.8	17.9
68.75°	17.8	18.1	18.3	18.5	18.6	18.8	19.0	19.1	19.2	19.3	19.4
67.5°	19.3	19.5	19.7	19.9	20.1	20.3	20.5	20.6	20.7	20.9	21.0
66.25°	20.7	21.0	21.2	21.4	21.7	21.9	22.1	22.3	22.5	22.7	22.8
65°	22.4	22.7	23.0	23.3	23.5	23.8	24.0	24.2	24.4	24.6	24.7
63.75°	24.2	24.5	24.8	25.1	25.4	25.5	25.7	25.9	26.1	26.2	26.3
62.5°	25.8	26.1	26.3	26.6	26.8	27.0	27.2	27.4	27.5	27.7	27.8
61.25°	27.2	27.4	27.7	28.0	28.2	28.4	28.6	28.7	28.9	29.0	29.1
60°	28.5	28.7	29.0	29.2	29.4	29.6	29.8	30.0	30.1	30.3	30.4
58.75°	29.7	29.9	30.2	30.4	30.7	30.9	31.0	31.1	31.2	31.3	31.4
57.5°	30.8	31.0	31.2	31.4	31.6	31.7	31.9	32.0	32.1	32.2	32.3
56.25°	31.7	31.9	32.1	32.2	32.4	32.6	32.7	32.9	33.0	33.2	33.3
55°	32.5	32.7	32.9	33.2	33.4	33.6	33.7	33.9	34.1	34.2	34.3
53.75°	33.4	33.7	33.9	34.1	34.4	34.6	34.7	34.9	35.0	35.1	35.2
52.5°	34.3	34.6	34.8	35.1	35.2	35.4	35.6	35.8	35.9	36.0	36.1
51.25°	35.2	35.4	35.7	35.9	36.1	36.3	36.5	36.6	36.8	36.9	37.0
50°	36.0	36.3	36.5	36.7	36.9	37.1	37.3	37.4	37.6	37.7	37.8
48.75°	36.8	37.0	37.3	37.5	37.7	37.9	38.1	38.3	38.6	38.9	39.1
47.5°	37.5	37.8	38.0	38.4	38.8	39.2	39.6	40.0	40.3	40.6	40.8
46.25°	38.4	38.9	39.5	40.0	40.4	40.9	41.3	41.6	42.5	43.4	44.2
45°	39.9	40.5	41.0	41.6	42.7	44.0	45.2	46.3	47.3	48.2	49.0
43.75°	41.4	42.7	44.3	45.9	47.3	48.7	49.9	51.1	52.5	54.1	55.6
42.5°	45.3	47.1	48.8	50.4	52.1	54.5	56.8	58.9	60.8	62.5	64.0
41.25°	49.6	51.5	54.4	57.3	60.0	62.6	64.9	67.1	69.1	71.0	72.6
40°	55.6	58.9	62.1	65.1	67.9	70.7	73.3	75.6	77.8	79.8	81.5
38.75°	62.9	66.4	69.8	73.1	76.2	79.1	81.8	84.3	86.6	89.0	91.3
37.5°	70.3	74.1	77.8	81.2	84.4	87.5	91.1	94.5	97.5	100.2	102.6
36.25°	78.0	82.0	85.7	89.9	94.2	98.2	102.0	105.4	108.6	111.4	114.0
35°	85.6	90.4	95.4	100.2	104.6	108.8	112.8	116.4	119.7	122.7	125.4



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	94.8	100.2	105.4	110.4	115.1	119.4	123.5	127.3	130.8	133.9	137.5
32.5°	104.3	110.0	115.4	120.6	125.4	130.0	134.3	139.6	144.4	148.8	152.8
31.25°	113.7	119.6	125.3	130.6	136.2	142.6	148.6	154.2	159.2	163.8	168.3
30°	123.1	129.2	135.4	142.8	149.9	156.6	162.9	169.1	175.2	180.8	185.7
28.75°	132.3	140.2	148.3	156.1	163.5	171.2	178.7	185.7	192.1	197.9	203.3
27.5°	143.8	152.7	161.2	169.8	178.7	187.1	194.9	202.2	210.0	217.0	225.8
26.25°	155.8	165.0	175.0	184.8	194.0	202.9	212.4	222.4	235.4	247.9	266.3
25°	167.8	178.8	189.4	199.5	210.2	221.8	237.6	257.0	280.6	305.1	330.4
23.75°	181.1	192.5	203.7	215.9	232.5	252.9	281.7	313.5	346.1	378.6	408.7
22.5°	194.1	206.5	219.9	240.2	269.4	304.0	343.5	383.9	422.5	459.9	493.7
21.25°	207.4	223.0	244.9	280.5	322.6	368.0	414.7	460.6	503.5	541.1	574.5
20°	223.0	246.6	286.1	333.9	385.4	437.9	489.9	536.8	579.0	615.3	644.7
18.75°	244.9	286.1	337.7	394.2	452.3	509.1	561.0	606.3	644.5	674.3	694.4
17.5°	280.5	333.9	394.2	457.2	518.6	575.1	624.8	663.0	691.7	711.7	727.7
16.25°	322.6	385.4	452.3	518.6	579.6	633.8	674.2	701.6	723.0	741.2	758.7
15°	368.0	437.9	509.1	575.1	633.8	678.0	706.6	729.7	750.9	771.2	789.8
13.75°	414.7	489.9	561.0	624.8	674.2	706.6	731.9	755.8	778.9	800.4	820.3
12.5°	460.6	536.8	606.3	663.0	701.6	729.7	755.8	781.4	805.8	828.7	848.9
11.25°	503.5	579.0	644.5	691.7	723.0	750.9	778.9	805.8	831.4	854.7	879.6
10°	541.1	615.3	674.3	711.7	741.2	771.2	800.4	828.7	854.7	883.1	911.3
8.75°	574.5	644.7	694.4	727.7	758.7	789.8	820.3	848.9	879.6	911.3	942.0
7.5°	601.9	667.2	709.6	741.7	774.4	806.5	837.7	869.2	903.5	937.7	969.3
6.25°	625.6	685.2	721.6	754.4	787.9	821.1	852.7	888.1	925.1	960.8	992.5
5°	642.4	695.5	731.1	765.1	799.3	833.2	867.1	905.0	943.7	979.8	1011.4
3.75°	654.4	703.6	738.5	773.5	808.4	842.5	878.8	918.6	958.5	994.3	1025.1
2.5°	663.0	709.5	744.1	779.6	815.0	849.4	887.5	928.7	968.8	1004.7	1035.2
1.25°	668.3	713.0	747.5	783.3	819.0	853.5	893.0	934.8	975.1	1011.1	1041.0
0°	670.0	714.2	748.7	784.5	820.3	854.9	894.9	936.9	977.3	1013.3	1042.9
-1.25°	668.3	713.0	747.5	783.3	819.0	853.5	893.0	934.8	975.1	1011.1	1041.0
-2.5°	663.0	709.5	744.1	779.6	815.0	849.4	887.5	928.7	968.8	1004.7	1035.2
-3.75°	654.4	703.6	738.5	773.5	808.4	842.5	878.8	918.6	958.5	994.3	1025.1
-5°	642.4	695.5	731.1	765.1	799.3	833.2	867.1	905.0	943.7	979.8	1011.4
-6.25°	625.6	685.2	721.6	754.4	787.9	821.1	852.7	888.1	925.1	960.8	992.5
-7.5°	601.9	667.2	709.6	741.7	774.4	806.5	837.7	869.2	903.5	937.7	969.3
-8.75°	574.5	644.7	694.4	727.7	758.7	789.8	820.3	848.9	879.6	911.3	942.0
-10°	541.1	615.3	674.3	711.7	741.2	771.2	800.4	828.7	854.7	883.1	911.3
-11.25°	503.5	579.0	644.5	691.7	723.0	750.9	778.9	805.8	831.4	854.7	879.6
-12.5°	460.6	536.8	606.3	663.0	701.6	729.7	755.8	781.4	805.8	828.7	848.9
-13.75°	414.7	489.9	561.0	624.8	674.2	706.6	731.9	755.8	778.9	800.4	820.3
-15°	368.0	437.9	509.1	575.1	633.8	678.0	706.6	729.7	750.9	771.2	789.8
-16.25°	322.6	385.4	452.3	518.6	579.6	633.8	674.2	701.6	723.0	741.2	758.7
-17.5°	280.5	333.9	394.2	457.2	518.6	575.1	624.8	663.0	691.7	711.7	727.7
-18.75°	244.9	286.1	337.7	394.2	452.3	509.1	561.0	606.3	644.5	674.3	694.4
-20°	223.0	246.6	286.1	333.9	385.4	437.9	489.9	536.8	579.0	615.3	644.7
-21.25°	207.4	223.0	244.9	280.5	322.6	368.0	414.7	460.6	503.5	541.1	574.5



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	194.1	206.5	219.9	240.2	269.4	304.0	343.5	383.9	422.5	459.9	493.7
-23.75°	181.1	192.5	203.7	215.9	232.5	252.9	281.7	313.5	346.1	378.6	408.7
-25°	167.8	178.8	189.4	199.5	210.2	221.8	237.6	257.0	280.6	305.1	330.4
-26.25°	155.8	165.0	175.0	184.8	194.0	202.9	212.4	222.4	235.4	247.9	266.3
-27.5°	143.8	152.7	161.2	169.8	178.7	187.1	194.9	202.2	210.0	217.0	225.8
-28.75°	132.3	140.2	148.3	156.1	163.5	171.2	178.7	185.7	192.1	197.9	203.3
-30°	123.1	129.2	135.4	142.8	149.9	156.6	162.9	169.1	175.2	180.8	185.7
-31.25°	113.7	119.6	125.3	130.6	136.2	142.6	148.6	154.2	159.2	163.8	168.3
-32.5°	104.3	110.0	115.4	120.6	125.4	130.0	134.3	139.6	144.4	148.8	152.8
-33.75°	94.8	100.2	105.4	110.4	115.1	119.4	123.5	127.3	130.8	133.9	137.5
-35°	85.6	90.4	95.4	100.2	104.6	108.8	112.8	116.4	119.7	122.7	125.4
-36.25°	78.0	82.0	85.7	89.9	94.2	98.2	102.0	105.4	108.6	111.4	114.0
-37.5°	70.3	74.1	77.8	81.2	84.4	87.5	91.1	94.5	97.5	100.2	102.6
-38.75°	62.9	66.4	69.8	73.1	76.2	79.1	81.8	84.3	86.6	89.0	91.3
-40°	55.6	58.9	62.1	65.1	67.9	70.7	73.3	75.6	77.8	79.8	81.5
-41.25°	49.6	51.5	54.4	57.3	60.0	62.6	64.9	67.1	69.1	71.0	72.6
-42.5°	45.3	47.1	48.8	50.4	52.1	54.5	56.8	58.9	60.8	62.5	64.0
-43.75°	41.4	42.7	44.3	45.9	47.3	48.7	49.9	51.1	52.5	54.1	55.6
-45°	39.9	40.5	41.0	41.6	42.7	44.0	45.2	46.3	47.3	48.2	49.0
-46.25°	38.4	38.9	39.5	40.0	40.4	40.9	41.3	41.6	42.5	43.4	44.2
-47.5°	37.5	37.8	38.0	38.4	38.8	39.2	39.6	40.0	40.3	40.6	40.8
-48.75°	36.8	37.0	37.3	37.5	37.7	37.9	38.1	38.3	38.6	38.9	39.1
-50°	36.0	36.3	36.5	36.7	36.9	37.1	37.3	37.4	37.6	37.7	37.8
-51.25°	35.2	35.4	35.7	35.9	36.1	36.3	36.5	36.6	36.8	36.9	37.0
-52.5°	34.3	34.6	34.8	35.1	35.2	35.4	35.6	35.8	35.9	36.0	36.1
-53.75°	33.4	33.7	33.9	34.1	34.4	34.6	34.7	34.9	35.0	35.1	35.2
-55°	32.5	32.7	32.9	33.2	33.4	33.6	33.7	33.9	34.1	34.2	34.3
-56.25°	31.7	31.9	32.1	32.2	32.4	32.6	32.7	32.9	33.0	33.2	33.3
-57.5°	30.8	31.0	31.2	31.4	31.6	31.7	31.9	32.0	32.1	32.2	32.3
-58.75°	29.7	29.9	30.2	30.4	30.7	30.9	31.0	31.1	31.2	31.3	31.4
-60°	28.5	28.7	29.0	29.2	29.4	29.6	29.8	30.0	30.1	30.3	30.4
-61.25°	27.2	27.4	27.7	28.0	28.2	28.4	28.6	28.7	28.9	29.0	29.1
-62.5°	25.8	26.1	26.3	26.6	26.8	27.0	27.2	27.4	27.5	27.7	27.8
-63.75°	24.2	24.5	24.8	25.1	25.4	25.5	25.7	25.9	26.1	26.2	26.3
-65°	22.4	22.7	23.0	23.3	23.5	23.8	24.0	24.2	24.4	24.6	24.7
-66.25°	20.7	21.0	21.2	21.4	21.7	21.9	22.1	22.3	22.5	22.7	22.8
-67.5°	19.3	19.5	19.7	19.9	20.1	20.3	20.5	20.6	20.7	20.9	21.0
-68.75°	17.8	18.1	18.3	18.5	18.6	18.8	19.0	19.1	19.2	19.3	19.4
-70°	16.3	16.5	16.7	16.9	17.1	17.2	17.4	17.5	17.7	17.8	17.9
-71.25°	14.8	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1	16.2
-72.5°	13.9	14.0	14.1	14.2	14.3	14.4	14.4	14.5	14.6	14.6	14.6
-73.75°	13.1	13.2	13.3	13.3	13.4	13.5	13.6	13.6	13.7	13.7	13.8
-75°	12.3	12.4	12.4	12.5	12.6	12.6	12.7	12.8	12.8	12.8	12.9
-76.25°	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9	12.0	12.0	12.0
-77.5°	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.1	11.2	11.2



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.4
-80°	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
-81.25°	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.4
-82.5°	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3	7.3
-83.75°	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0
-85°	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
-86.25°	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
83.75°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
81.25°	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
78.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.4	10.4	10.4	10.4
77.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
76.25°	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.1	12.1	12.1	12.1
75°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
73.75°	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
72.5°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
71.25°	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.4	16.4
70°	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
68.75°	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
67.5°	21.0	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.2	21.2
66.25°	22.9	23.0	23.1	23.2	23.2	23.2	23.3	23.2	23.2	23.2	23.1
65°	24.8	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.2	25.1	25.0
63.75°	26.4	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.6
62.5°	27.9	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.1	28.1
61.25°	29.2	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.4
60°	30.5	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.7	30.7
58.75°	31.5	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.6	31.6
57.5°	32.4	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.5	32.5
56.25°	33.4	33.5	33.5	33.6	33.6	33.6	33.7	33.6	33.6	33.6	33.5
55°	34.4	34.5	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.6	34.6
53.75°	35.3	35.4	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.5	35.5
52.5°	36.2	36.3	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.4	36.4
51.25°	37.1	37.2	37.2	37.3	37.3	37.3	37.4	37.3	37.3	37.3	37.2
50°	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.1	38.1
48.75°	39.4	39.5	39.7	39.8	39.9	39.9	40.0	39.9	39.9	39.8	39.7
47.5°	41.1	41.3	41.4	41.5	41.6	41.7	41.7	41.7	41.6	41.5	41.4
46.25°	44.8	45.4	45.9	46.2	46.5	46.6	46.7	46.6	46.5	46.2	45.9
45°	49.7	50.3	50.8	51.2	51.5	51.6	51.7	51.6	51.5	51.2	50.8
43.75°	56.8	57.9	58.8	59.5	60.0	60.3	60.4	60.3	60.0	59.5	58.8
42.5°	65.3	66.4	67.4	68.1	68.6	68.9	69.0	68.9	68.6	68.1	67.4
41.25°	74.1	75.3	76.3	77.1	77.7	78.0	78.2	78.0	77.7	77.1	76.3
40°	83.0	84.3	85.4	86.2	86.8	87.2	87.3	87.2	86.8	86.2	85.4
38.75°	93.3	95.0	96.5	97.6	98.4	98.8	99.0	98.8	98.4	97.6	96.5
37.5°	104.8	106.6	108.0	109.2	110.0	110.5	110.7	110.5	110.0	109.2	108.0
36.25°	116.2	118.1	119.7	120.9	121.8	122.3	122.5	122.3	121.8	120.9	119.7
35°	127.7	129.7	131.3	132.6	133.5	134.0	134.2	134.0	133.5	132.6	131.3



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°
33.75°	140.8	143.6	145.9	147.7	149.0	149.7	150.0	149.7	149.0	147.7	145.9
32.5°	156.2	159.1	161.5	163.4	164.7	165.5	165.8	165.5	164.7	163.4	161.5
31.25°	172.4	175.9	178.8	181.1	182.7	183.7	184.1	183.7	182.7	181.1	178.8
30°	190.1	193.8	196.8	199.2	200.9	202.0	202.3	202.0	200.9	199.2	196.8
28.75°	208.5	213.0	216.8	219.9	223.3	225.3	226.0	225.3	223.3	219.9	216.8
27.5°	234.7	242.2	250.1	258.6	264.7	268.4	269.7	268.4	264.7	258.6	250.1
26.25°	282.4	297.3	312.3	324.0	332.5	337.6	339.3	337.6	332.5	324.0	312.3
25°	352.8	374.1	392.0	406.0	416.1	422.2	424.2	422.2	416.1	406.0	392.0
23.75°	436.0	460.2	480.2	496.0	506.9	513.4	515.6	513.4	506.9	496.0	480.2
22.5°	522.2	546.6	566.8	581.5	592.0	598.3	600.5	598.3	592.0	581.5	566.8
21.25°	601.9	625.6	642.4	654.4	663.0	668.3	670.0	668.3	663.0	654.4	642.4
20°	667.2	685.2	695.5	703.6	709.5	713.0	714.2	713.0	709.5	703.6	695.5
18.75°	709.6	721.6	731.1	738.5	744.1	747.5	748.7	747.5	744.1	738.5	731.1
17.5°	741.7	754.4	765.1	773.5	779.6	783.3	784.5	783.3	779.6	773.5	765.1
16.25°	774.4	787.9	799.3	808.4	815.0	819.0	820.3	819.0	815.0	808.4	799.3
15°	806.5	821.1	833.2	842.5	849.4	853.5	854.9	853.5	849.4	842.5	833.2
13.75°	837.7	852.7	867.1	878.8	887.5	893.0	894.9	893.0	887.5	878.8	867.1
12.5°	869.2	888.1	905.0	918.6	928.7	934.8	936.9	934.8	928.7	918.6	905.0
11.25°	903.5	925.1	943.7	958.5	968.8	975.1	977.3	975.1	968.8	958.5	943.7
10°	937.7	960.8	979.8	994.3	1004.7	1011.1	1013.3	1011.1	1004.7	994.3	979.8
8.75°	969.3	992.5	1011.4	1025.1	1035.2	1041.0	1042.9	1041.0	1035.2	1025.1	1011.4
7.5°	996.6	1019.3	1037.5	1050.8	1060.5	1065.5	1067.2	1065.5	1060.5	1050.8	1037.5
6.25°	1019.3	1041.2	1058.9	1070.7	1078.5	1082.5	1083.9	1082.5	1078.5	1070.7	1058.9
5°	1037.5	1058.9	1074.3	1083.9	1089.0	1091.4	1092.3	1091.4	1089.0	1083.9	1074.3
3.75°	1050.8	1070.7	1083.9	1090.6	1093.6	1094.9	1094.9	1094.9	1093.6	1090.6	1083.9
2.5°	1060.5	1078.5	1089.0	1093.6	1094.9	1094.6	1094.1	1094.6	1094.9	1093.6	1089.0
1.25°	1065.5	1082.5	1091.4	1094.9	1094.6	1093.4	1093.9	1093.4	1094.6	1094.9	1091.4
0°	1067.2	1083.9	1092.3	1094.9	1094.1	1093.9	1097.1	1093.9	1094.1	1094.9	1092.3
-1.25°	1065.5	1082.5	1091.4	1094.9	1094.6	1093.4	1093.9	1093.4	1094.6	1094.9	1091.4
-2.5°	1060.5	1078.5	1089.0	1093.6	1094.9	1094.6	1094.1	1094.6	1094.9	1093.6	1089.0
-3.75°	1050.8	1070.7	1083.9	1090.6	1093.6	1094.9	1094.9	1094.9	1093.6	1090.6	1083.9
-5°	1037.5	1058.9	1074.3	1083.9	1089.0	1091.4	1092.3	1091.4	1089.0	1083.9	1074.3
-6.25°	1019.3	1041.2	1058.9	1070.7	1078.5	1082.5	1083.9	1082.5	1078.5	1070.7	1058.9
-7.5°	996.6	1019.3	1037.5	1050.8	1060.5	1065.5	1067.2	1065.5	1060.5	1050.8	1037.5
-8.75°	969.3	992.5	1011.4	1025.1	1035.2	1041.0	1042.9	1041.0	1035.2	1025.1	1011.4
-10°	937.7	960.8	979.8	994.3	1004.7	1011.1	1013.3	1011.1	1004.7	994.3	979.8
-11.25°	903.5	925.1	943.7	958.5	968.8	975.1	977.3	975.1	968.8	958.5	943.7
-12.5°	869.2	888.1	905.0	918.6	928.7	934.8	936.9	934.8	928.7	918.6	905.0
-13.75°	837.7	852.7	867.1	878.8	887.5	893.0	894.9	893.0	887.5	878.8	867.1
-15°	806.5	821.1	833.2	842.5	849.4	853.5	854.9	853.5	849.4	842.5	833.2
-16.25°	774.4	787.9	799.3	808.4	815.0	819.0	820.3	819.0	815.0	808.4	799.3
-17.5°	741.7	754.4	765.1	773.5	779.6	783.3	784.5	783.3	779.6	773.5	765.1
-18.75°	709.6	721.6	731.1	738.5	744.1	747.5	748.7	747.5	744.1	738.5	731.1
-20°	667.2	685.2	695.5	703.6	709.5	713.0	714.2	713.0	709.5	703.6	695.5
-21.25°	601.9	625.6	642.4	654.4	663.0	668.3	670.0	668.3	663.0	654.4	642.4





REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	522.2	546.6	566.8	581.5	592.0	598.3	600.5	598.3	592.0	581.5	566.8
-23.75°	436.0	460.2	480.2	496.0	506.9	513.4	515.6	513.4	506.9	496.0	480.2
-25°	352.8	374.1	392.0	406.0	416.1	422.2	424.2	422.2	416.1	406.0	392.0
-26.25°	282.4	297.3	312.3	324.0	332.5	337.6	339.3	337.6	332.5	324.0	312.3
-27.5°	234.7	242.2	250.1	258.6	264.7	268.4	269.7	268.4	264.7	258.6	250.1
-28.75°	208.5	213.0	216.8	219.9	223.3	225.3	226.0	225.3	223.3	219.9	216.8
-30°	190.1	193.8	196.8	199.2	200.9	202.0	202.3	202.0	200.9	199.2	196.8
-31.25°	172.4	175.9	178.8	181.1	182.7	183.7	184.1	183.7	182.7	181.1	178.8
-32.5°	156.2	159.1	161.5	163.4	164.7	165.5	165.8	165.5	164.7	163.4	161.5
-33.75°	140.8	143.6	145.9	147.7	149.0	149.7	150.0	149.7	149.0	147.7	145.9
-35°	127.7	129.7	131.3	132.6	133.5	134.0	134.2	134.0	133.5	132.6	131.3
-36.25°	116.2	118.1	119.7	120.9	121.8	122.3	122.5	122.3	121.8	120.9	119.7
-37.5°	104.8	106.6	108.0	109.2	110.0	110.5	110.7	110.5	110.0	109.2	108.0
-38.75°	93.3	95.0	96.5	97.6	98.4	98.8	99.0	98.8	98.4	97.6	96.5
-40°	83.0	84.3	85.4	86.2	86.8	87.2	87.3	87.2	86.8	86.2	85.4
-41.25°	74.1	75.3	76.3	77.1	77.7	78.0	78.2	78.0	77.7	77.1	76.3
-42.5°	65.3	66.4	67.4	68.1	68.6	68.9	69.0	68.9	68.6	68.1	67.4
-43.75°	56.8	57.9	58.8	59.5	60.0	60.3	60.4	60.3	60.0	59.5	58.8
-45°	49.7	50.3	50.8	51.2	51.5	51.6	51.7	51.6	51.5	51.2	50.8
-46.25°	44.8	45.4	45.9	46.2	46.5	46.6	46.7	46.6	46.5	46.2	45.9
-47.5°	41.1	41.3	41.4	41.5	41.6	41.7	41.7	41.7	41.6	41.5	41.4
-48.75°	39.4	39.5	39.7	39.8	39.9	39.9	40.0	39.9	39.9	39.8	39.7
-50°	37.9	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.1	38.1
-51.25°	37.1	37.2	37.2	37.3	37.3	37.3	37.4	37.3	37.3	37.3	37.2
-52.5°	36.2	36.3	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.4	36.4
-53.75°	35.3	35.4	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.5	35.5
-55°	34.4	34.5	34.6	34.6	34.7	34.7	34.7	34.7	34.7	34.6	34.6
-56.25°	33.4	33.5	33.5	33.6	33.6	33.6	33.7	33.6	33.6	33.6	33.5
-57.5°	32.4	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.5	32.5
-58.75°	31.5	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.6	31.6
-60°	30.5	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.7	30.7
-61.25°	29.2	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.4
-62.5°	27.9	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.1	28.1
-63.75°	26.4	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.6
-65°	24.8	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.2	25.1	25.0
-66.25°	22.9	23.0	23.1	23.2	23.2	23.2	23.3	23.2	23.2	23.2	23.1
-67.5°	21.0	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.2	21.2
-68.75°	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
-70°	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
-71.25°	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.5	16.5	16.4	16.4
-72.5°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
-73.75°	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
-75°	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-76.25°	12.1	12.1	12.1	12.1	12.1	12.1	12.2	12.1	12.1	12.1	12.1
-77.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°
-78.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.4	10.4	10.4	10.4
-80°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-81.25°	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-82.5°	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
-83.75°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°
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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
85°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
83.75°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8
82.5°	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	7.0
81.25°	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1
80°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
78.75°	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0
77.5°	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.0	11.0	10.9	10.8
76.25°	12.1	12.1	12.0	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6
75°	12.9	12.9	12.9	12.8	12.8	12.8	12.7	12.6	12.6	12.5	12.4
73.75°	13.8	13.8	13.8	13.7	13.7	13.6	13.6	13.5	13.4	13.3	13.3
72.5°	14.7	14.7	14.6	14.6	14.6	14.5	14.4	14.4	14.3	14.2	14.1
71.25°	16.3	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3	15.1
70°	18.0	18.0	17.9	17.8	17.7	17.5	17.4	17.2	17.1	16.9	16.7
68.75°	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.8	18.6	18.5	18.3
67.5°	21.1	21.0	21.0	20.9	20.7	20.6	20.5	20.3	20.1	19.9	19.7
66.25°	23.0	22.9	22.8	22.7	22.5	22.3	22.1	21.9	21.7	21.4	21.2
65°	25.0	24.8	24.7	24.6	24.4	24.2	24.0	23.8	23.5	23.3	23.0
63.75°	26.5	26.4	26.3	26.2	26.1	25.9	25.7	25.5	25.4	25.1	24.8
62.5°	28.0	27.9	27.8	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.3
61.25°	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.4	28.2	28.0	27.7
60°	30.6	30.5	30.4	30.3	30.1	30.0	29.8	29.6	29.4	29.2	29.0
58.75°	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.7	30.4	30.2
57.5°	32.4	32.4	32.3	32.2	32.1	32.0	31.9	31.7	31.6	31.4	31.2
56.25°	33.5	33.4	33.3	33.2	33.0	32.9	32.7	32.6	32.4	32.2	32.1
55°	34.5	34.4	34.3	34.2	34.1	33.9	33.7	33.6	33.4	33.2	32.9
53.75°	35.4	35.3	35.2	35.1	35.0	34.9	34.7	34.6	34.4	34.1	33.9
52.5°	36.3	36.2	36.1	36.0	35.9	35.8	35.6	35.4	35.2	35.1	34.8
51.25°	37.2	37.1	37.0	36.9	36.8	36.6	36.5	36.3	36.1	35.9	35.7
50°	38.0	37.9	37.8	37.7	37.6	37.4	37.3	37.1	36.9	36.7	36.5
48.75°	39.5	39.4	39.1	38.9	38.6	38.3	38.1	37.9	37.7	37.5	37.3
47.5°	41.3	41.1	40.8	40.6	40.3	40.0	39.6	39.2	38.8	38.4	38.0
46.25°	45.4	44.8	44.2	43.4	42.5	41.6	41.3	40.9	40.4	40.0	39.5
45°	50.3	49.7	49.0	48.2	47.3	46.3	45.2	44.0	42.7	41.6	41.0
43.75°	57.9	56.8	55.6	54.1	52.5	51.1	49.9	48.7	47.3	45.9	44.3
42.5°	66.4	65.3	64.0	62.5	60.8	58.9	56.8	54.5	52.1	50.4	48.8
41.25°	75.3	74.1	72.6	71.0	69.1	67.1	64.9	62.6	60.0	57.3	54.4
40°	84.3	83.0	81.5	79.8	77.8	75.6	73.3	70.7	67.9	65.1	62.1
38.75°	95.0	93.3	91.3	89.0	86.6	84.3	81.8	79.1	76.2	73.1	69.8
37.5°	106.6	104.8	102.6	100.2	97.5	94.5	91.1	87.5	84.4	81.2	77.8
36.25°	118.1	116.2	114.0	111.4	108.6	105.4	102.0	98.2	94.2	89.9	85.7
35°	129.7	127.7	125.4	122.7	119.7	116.4	112.8	108.8	104.6	100.2	95.4



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	143.6	140.8	137.5	133.9	130.8	127.3	123.5	119.4	115.1	110.4	105.4
32.5°	159.1	156.2	152.8	148.8	144.4	139.6	134.3	130.0	125.4	120.6	115.4
31.25°	175.9	172.4	168.3	163.8	159.2	154.2	148.6	142.6	136.2	130.6	125.3
30°	193.8	190.1	185.7	180.8	175.2	169.1	162.9	156.6	149.9	142.8	135.4
28.75°	213.0	208.5	203.3	197.9	192.1	185.7	178.7	171.2	163.5	156.1	148.3
27.5°	242.2	234.7	225.8	217.0	210.0	202.2	194.9	187.1	178.7	169.8	161.2
26.25°	297.3	282.4	266.3	247.9	235.4	222.4	212.4	202.9	194.0	184.8	175.0
25°	374.1	352.8	330.4	305.1	280.6	257.0	237.6	221.8	210.2	199.5	189.4
23.75°	460.2	436.0	408.7	378.6	346.1	313.5	281.7	252.9	232.5	215.9	203.7
22.5°	546.6	522.2	493.7	459.9	422.5	383.9	343.5	304.0	269.4	240.2	219.9
21.25°	625.6	601.9	574.5	541.1	503.5	460.6	414.7	368.0	322.6	280.5	244.9
20°	685.2	667.2	644.7	615.3	579.0	536.8	489.9	437.9	385.4	333.9	286.1
18.75°	721.6	709.6	694.4	674.3	644.5	606.3	561.0	509.1	452.3	394.2	337.7
17.5°	754.4	741.7	727.7	711.7	691.7	663.0	624.8	575.1	518.6	457.2	394.2
16.25°	787.9	774.4	758.7	741.2	723.0	701.6	674.2	633.8	579.6	518.6	452.3
15°	821.1	806.5	789.8	771.2	750.9	729.7	706.6	678.0	633.8	575.1	509.1
13.75°	852.7	837.7	820.3	800.4	778.9	755.8	731.9	706.6	674.2	624.8	561.0
12.5°	888.1	869.2	848.9	828.7	805.8	781.4	755.8	729.7	701.6	663.0	606.3
11.25°	925.1	903.5	879.6	854.7	831.4	805.8	778.9	750.9	723.0	691.7	644.5
10°	960.8	937.7	911.3	883.1	854.7	828.7	800.4	771.2	741.2	711.7	674.3
8.75°	992.5	969.3	942.0	911.3	879.6	848.9	820.3	789.8	758.7	727.7	694.4
7.5°	1019.3	996.6	969.3	937.7	903.5	869.2	837.7	806.5	774.4	741.7	709.6
6.25°	1041.2	1019.3	992.5	960.8	925.1	888.1	852.7	821.1	787.9	754.4	721.6
5°	1058.9	1037.5	1011.4	979.8	943.7	905.0	867.1	833.2	799.3	765.1	731.1
3.75°	1070.7	1050.8	1025.1	994.3	958.5	918.6	878.8	842.5	808.4	773.5	738.5
2.5°	1078.5	1060.5	1035.2	1004.7	968.8	928.7	887.5	849.4	815.0	779.6	744.1
1.25°	1082.5	1065.5	1041.0	1011.1	975.1	934.8	893.0	853.5	819.0	783.3	747.5
0°	1083.9	1067.2	1042.9	1013.3	977.3	936.9	894.9	854.9	820.3	784.5	748.7
-1.25°	1082.5	1065.5	1041.0	1011.1	975.1	934.8	893.0	853.5	819.0	783.3	747.5
-2.5°	1078.5	1060.5	1035.2	1004.7	968.8	928.7	887.5	849.4	815.0	779.6	744.1
-3.75°	1070.7	1050.8	1025.1	994.3	958.5	918.6	878.8	842.5	808.4	773.5	738.5
-5°	1058.9	1037.5	1011.4	979.8	943.7	905.0	867.1	833.2	799.3	765.1	731.1
-6.25°	1041.2	1019.3	992.5	960.8	925.1	888.1	852.7	821.1	787.9	754.4	721.6
-7.5°	1019.3	996.6	969.3	937.7	903.5	869.2	837.7	806.5	774.4	741.7	709.6
-8.75°	992.5	969.3	942.0	911.3	879.6	848.9	820.3	789.8	758.7	727.7	694.4
-10°	960.8	937.7	911.3	883.1	854.7	828.7	800.4	771.2	741.2	711.7	674.3
-11.25°	925.1	903.5	879.6	854.7	831.4	805.8	778.9	750.9	723.0	691.7	644.5
-12.5°	888.1	869.2	848.9	828.7	805.8	781.4	755.8	729.7	701.6	663.0	606.3
-13.75°	852.7	837.7	820.3	800.4	778.9	755.8	731.9	706.6	674.2	624.8	561.0
-15°	821.1	806.5	789.8	771.2	750.9	729.7	706.6	678.0	633.8	575.1	509.1
-16.25°	787.9	774.4	758.7	741.2	723.0	701.6	674.2	633.8	579.6	518.6	452.3
-17.5°	754.4	741.7	727.7	711.7	691.7	663.0	624.8	575.1	518.6	457.2	394.2
-18.75°	721.6	709.6	694.4	674.3	644.5	606.3	561.0	509.1	452.3	394.2	337.7
-20°	685.2	667.2	644.7	615.3	579.0	536.8	489.9	437.9	385.4	333.9	286.1
-21.25°	625.6	601.9	574.5	541.1	503.5	460.6	414.7	368.0	322.6	280.5	244.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°
-22.5°	546.6	522.2	493.7	459.9	422.5	383.9	343.5	304.0	269.4	240.2	219.9
-23.75°	460.2	436.0	408.7	378.6	346.1	313.5	281.7	252.9	232.5	215.9	203.7
-25°	374.1	352.8	330.4	305.1	280.6	257.0	237.6	221.8	210.2	199.5	189.4
-26.25°	297.3	282.4	266.3	247.9	235.4	222.4	212.4	202.9	194.0	184.8	175.0
-27.5°	242.2	234.7	225.8	217.0	210.0	202.2	194.9	187.1	178.7	169.8	161.2
-28.75°	213.0	208.5	203.3	197.9	192.1	185.7	178.7	171.2	163.5	156.1	148.3
-30°	193.8	190.1	185.7	180.8	175.2	169.1	162.9	156.6	149.9	142.8	135.4
-31.25°	175.9	172.4	168.3	163.8	159.2	154.2	148.6	142.6	136.2	130.6	125.3
-32.5°	159.1	156.2	152.8	148.8	144.4	139.6	134.3	130.0	125.4	120.6	115.4
-33.75°	143.6	140.8	137.5	133.9	130.8	127.3	123.5	119.4	115.1	110.4	105.4
-35°	129.7	127.7	125.4	122.7	119.7	116.4	112.8	108.8	104.6	100.2	95.4
-36.25°	118.1	116.2	114.0	111.4	108.6	105.4	102.0	98.2	94.2	89.9	85.7
-37.5°	106.6	104.8	102.6	100.2	97.5	94.5	91.1	87.5	84.4	81.2	77.8
-38.75°	95.0	93.3	91.3	89.0	86.6	84.3	81.8	79.1	76.2	73.1	69.8
-40°	84.3	83.0	81.5	79.8	77.8	75.6	73.3	70.7	67.9	65.1	62.1
-41.25°	75.3	74.1	72.6	71.0	69.1	67.1	64.9	62.6	60.0	57.3	54.4
-42.5°	66.4	65.3	64.0	62.5	60.8	58.9	56.8	54.5	52.1	50.4	48.8
-43.75°	57.9	56.8	55.6	54.1	52.5	51.1	49.9	48.7	47.3	45.9	44.3
-45°	50.3	49.7	49.0	48.2	47.3	46.3	45.2	44.0	42.7	41.6	41.0
-46.25°	45.4	44.8	44.2	43.4	42.5	41.6	41.3	40.9	40.4	40.0	39.5
-47.5°	41.3	41.1	40.8	40.6	40.3	40.0	39.6	39.2	38.8	38.4	38.0
-48.75°	39.5	39.4	39.1	38.9	38.6	38.3	38.1	37.9	37.7	37.5	37.3
-50°	38.0	37.9	37.8	37.7	37.6	37.4	37.3	37.1	36.9	36.7	36.5
-51.25°	37.2	37.1	37.0	36.9	36.8	36.6	36.5	36.3	36.1	35.9	35.7
-52.5°	36.3	36.2	36.1	36.0	35.9	35.8	35.6	35.4	35.2	35.1	34.8
-53.75°	35.4	35.3	35.2	35.1	35.0	34.9	34.7	34.6	34.4	34.1	33.9
-55°	34.5	34.4	34.3	34.2	34.1	33.9	33.7	33.6	33.4	33.2	32.9
-56.25°	33.5	33.4	33.3	33.2	33.0	32.9	32.7	32.6	32.4	32.2	32.1
-57.5°	32.4	32.4	32.3	32.2	32.1	32.0	31.9	31.7	31.6	31.4	31.2
-58.75°	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.9	30.7	30.4	30.2
-60°	30.6	30.5	30.4	30.3	30.1	30.0	29.8	29.6	29.4	29.2	29.0
-61.25°	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.4	28.2	28.0	27.7
-62.5°	28.0	27.9	27.8	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.3
-63.75°	26.5	26.4	26.3	26.2	26.1	25.9	25.7	25.5	25.4	25.1	24.8
-65°	25.0	24.8	24.7	24.6	24.4	24.2	24.0	23.8	23.5	23.3	23.0
-66.25°	23.0	22.9	22.8	22.7	22.5	22.3	22.1	21.9	21.7	21.4	21.2
-67.5°	21.1	21.0	21.0	20.9	20.7	20.6	20.5	20.3	20.1	19.9	19.7
-68.75°	19.6	19.5	19.4	19.3	19.2	19.1	19.0	18.8	18.6	18.5	18.3
-70°	18.0	18.0	17.9	17.8	17.7	17.5	17.4	17.2	17.1	16.9	16.7
-71.25°	16.3	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3	15.1
-72.5°	14.7	14.7	14.6	14.6	14.6	14.5	14.4	14.4	14.3	14.2	14.1
-73.75°	13.8	13.8	13.8	13.7	13.7	13.6	13.6	13.5	13.4	13.3	13.3
-75°	12.9	12.9	12.9	12.8	12.8	12.8	12.7	12.6	12.6	12.5	12.4
-76.25°	12.1	12.1	12.0	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6
-77.5°	11.2	11.2	11.2	11.2	11.1	11.1	11.1	11.0	11.0	10.9	10.8



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0
-80°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
-81.25°	8.5	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1
-82.5°	7.4	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	7.0
-83.75°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8
-85°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
-86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
-87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	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: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
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	0.9	0.9
87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
86.25°	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
85°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	4.0
83.75°	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
82.5°	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2
81.25°	8.0	8.0	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3
80°	9.1	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2
78.75°	10.0	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.2	9.1
77.5°	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1	10.1	10.0
76.25°	11.6	11.5	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.7
75°	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4
73.75°	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.3	12.2	12.1
72.5°	14.0	13.9	13.8	13.7	13.6	13.5	13.3	13.2	13.1	12.9	12.8
71.25°	14.9	14.8	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7	13.5
70°	16.5	16.3	16.1	15.8	15.6	15.3	15.0	14.8	14.6	14.4	14.3
68.75°	18.1	17.8	17.6	17.3	17.1	16.8	16.5	16.2	15.9	15.5	15.2
67.5°	19.5	19.3	19.1	18.8	18.6	18.3	18.0	17.7	17.3	17.0	16.6
66.25°	21.0	20.7	20.5	20.2	19.9	19.7	19.4	19.0	18.7	18.4	18.0
65°	22.7	22.4	22.1	21.7	21.3	21.0	20.7	20.4	20.0	19.7	19.3
63.75°	24.5	24.2	23.8	23.5	23.1	22.7	22.2	21.8	21.3	20.9	20.6
62.5°	26.1	25.8	25.5	25.2	24.8	24.4	23.9	23.5	23.0	22.5	22.0
61.25°	27.4	27.2	26.9	26.5	26.2	25.9	25.5	25.1	24.6	24.1	23.5
60°	28.7	28.5	28.2	27.9	27.5	27.2	26.8	26.4	26.0	25.6	25.1
58.75°	29.9	29.7	29.4	29.1	28.8	28.4	28.1	27.7	27.2	26.8	26.3
57.5°	31.0	30.8	30.6	30.2	29.9	29.6	29.2	28.8	28.4	28.0	27.5
56.25°	31.9	31.7	31.4	31.2	31.0	30.7	30.3	29.9	29.5	29.1	28.7
55°	32.7	32.5	32.2	32.0	31.8	31.5	31.2	30.9	30.6	30.1	29.7
53.75°	33.7	33.4	33.1	32.8	32.5	32.3	32.0	31.7	31.4	31.1	30.7
52.5°	34.6	34.3	34.0	33.7	33.4	33.1	32.8	32.4	32.1	31.8	31.4
51.25°	35.4	35.2	34.9	34.7	34.3	34.0	33.6	33.3	32.9	32.5	32.1
50°	36.3	36.0	35.7	35.4	35.2	34.8	34.5	34.1	33.7	33.3	32.9
48.75°	37.0	36.8	36.5	36.2	35.9	35.6	35.3	34.9	34.5	34.1	33.7
47.5°	37.8	37.5	37.3	37.0	36.7	36.4	36.0	35.7	35.3	34.9	34.5
46.25°	38.9	38.4	38.0	37.7	37.4	37.1	36.7	36.4	36.0	35.6	35.2
45°	40.5	39.9	39.3	38.7	38.1	37.8	37.4	37.1	36.7	36.3	35.9
43.75°	42.7	41.4	40.8	40.1	39.5	38.7	38.1	37.7	37.3	36.9	36.5
42.5°	47.1	45.3	43.4	41.6	40.9	40.2	39.4	38.6	38.0	37.6	37.1
41.25°	51.5	49.6	47.7	45.6	43.5	41.6	40.8	39.9	39.1	38.2	37.8
40°	58.9	55.6	52.1	49.8	47.6	45.3	42.9	41.3	40.4	39.5	38.5
38.75°	66.4	62.9	59.3	55.5	51.6	49.2	46.8	44.2	41.7	40.7	39.8
37.5°	74.1	70.3	66.5	62.5	58.4	54.2	50.6	48.0	45.3	42.5	41.0
36.25°	82.0	78.0	73.9	69.5	65.3	60.9	56.3	51.7	48.9	46.0	43.1
35°	90.4	85.6	81.3	76.8	72.2	67.5	62.8	58.0	53.0	49.5	46.5



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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	100.2	94.8	89.1	84.1	79.3	74.3	69.2	64.2	59.0	53.8	49.8
32.5°	110.0	104.3	98.4	92.3	86.2	81.1	75.8	70.3	65.0	59.6	54.1
31.25°	119.6	113.7	107.6	101.3	94.7	87.9	82.3	76.7	70.9	65.3	59.6
30°	129.2	123.1	116.7	110.1	103.3	96.3	89.1	82.9	77.0	70.9	65.0
28.75°	140.2	132.3	125.7	118.9	111.8	104.5	97.1	89.5	82.9	76.7	70.3
27.5°	152.7	143.8	134.6	127.4	120.1	112.6	105.0	97.1	89.1	82.3	75.8
26.25°	165.0	155.8	146.3	136.4	128.3	120.6	112.6	104.5	96.3	87.9	81.1
25°	178.8	167.8	157.7	147.5	137.0	128.3	120.1	111.8	103.3	94.7	86.2
23.75°	192.5	181.1	169.3	158.3	147.5	136.4	127.4	118.9	110.1	101.3	92.3
22.5°	206.5	194.1	181.9	169.3	157.7	146.3	134.6	125.7	116.7	107.6	98.4
21.25°	223.0	207.4	194.1	181.1	167.8	155.8	143.8	132.3	123.1	113.7	104.3
20°	246.6	223.0	206.5	192.5	178.8	165.0	152.7	140.2	129.2	119.6	110.0
18.75°	286.1	244.9	219.9	203.7	189.4	175.0	161.2	148.3	135.4	125.3	115.4
17.5°	333.9	280.5	240.2	215.9	199.5	184.8	169.8	156.1	142.8	130.6	120.6
16.25°	385.4	322.6	269.4	232.5	210.2	194.0	178.7	163.5	149.9	136.2	125.4
15°	437.9	368.0	304.0	252.9	221.8	202.9	187.1	171.2	156.6	142.6	130.0
13.75°	489.9	414.7	343.5	281.7	237.6	212.4	194.9	178.7	162.9	148.6	134.3
12.5°	536.8	460.6	383.9	313.5	257.0	222.4	202.2	185.7	169.1	154.2	139.6
11.25°	579.0	503.5	422.5	346.1	280.6	235.4	210.0	192.1	175.2	159.2	144.4
10°	615.3	541.1	459.9	378.6	305.1	247.9	217.0	197.9	180.8	163.8	148.8
8.75°	644.7	574.5	493.7	408.7	330.4	266.3	225.8	203.3	185.7	168.3	152.8
7.5°	667.2	601.9	522.2	436.0	352.8	282.4	234.7	208.5	190.1	172.4	156.2
6.25°	685.2	625.6	546.6	460.2	374.1	297.3	242.2	213.0	193.8	175.9	159.1
5°	695.5	642.4	566.8	480.2	392.0	312.3	250.1	216.8	196.8	178.8	161.5
3.75°	703.6	654.4	581.5	496.0	406.0	324.0	258.6	219.9	199.2	181.1	163.4
2.5°	709.5	663.0	592.0	506.9	416.1	332.5	264.7	223.3	200.9	182.7	164.7
1.25°	713.0	668.3	598.3	513.4	422.2	337.6	268.4	225.3	202.0	183.7	165.5
0°	714.2	670.0	600.5	515.6	424.2	339.3	269.7	226.0	202.3	184.1	165.8
-1.25°	713.0	668.3	598.3	513.4	422.2	337.6	268.4	225.3	202.0	183.7	165.5
-2.5°	709.5	663.0	592.0	506.9	416.1	332.5	264.7	223.3	200.9	182.7	164.7
-3.75°	703.6	654.4	581.5	496.0	406.0	324.0	258.6	219.9	199.2	181.1	163.4
-5°	695.5	642.4	566.8	480.2	392.0	312.3	250.1	216.8	196.8	178.8	161.5
-6.25°	685.2	625.6	546.6	460.2	374.1	297.3	242.2	213.0	193.8	175.9	159.1
-7.5°	667.2	601.9	522.2	436.0	352.8	282.4	234.7	208.5	190.1	172.4	156.2
-8.75°	644.7	574.5	493.7	408.7	330.4	266.3	225.8	203.3	185.7	168.3	152.8
-10°	615.3	541.1	459.9	378.6	305.1	247.9	217.0	197.9	180.8	163.8	148.8
-11.25°	579.0	503.5	422.5	346.1	280.6	235.4	210.0	192.1	175.2	159.2	144.4
-12.5°	536.8	460.6	383.9	313.5	257.0	222.4	202.2	185.7	169.1	154.2	139.6
-13.75°	489.9	414.7	343.5	281.7	237.6	212.4	194.9	178.7	162.9	148.6	134.3
-15°	437.9	368.0	304.0	252.9	221.8	202.9	187.1	171.2	156.6	142.6	130.0
-16.25°	385.4	322.6	269.4	232.5	210.2	194.0	178.7	163.5	149.9	136.2	125.4
-17.5°	333.9	280.5	240.2	215.9	199.5	184.8	169.8	156.1	142.8	130.6	120.6
-18.75°	286.1	244.9	219.9	203.7	189.4	175.0	161.2	148.3	135.4	125.3	115.4
-20°	246.6	223.0	206.5	192.5	178.8	165.0	152.7	140.2	129.2	119.6	110.0
-21.25°	223.0	207.4	194.1	181.1	167.8	155.8	143.8	132.3	123.1	113.7	104.3





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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°	206.5	194.1	181.9	169.3	157.7	146.3	134.6	125.7	116.7	107.6	98.4
-23.75°	192.5	181.1	169.3	158.3	147.5	136.4	127.4	118.9	110.1	101.3	92.3
-25°	178.8	167.8	157.7	147.5	137.0	128.3	120.1	111.8	103.3	94.7	86.2
-26.25°	165.0	155.8	146.3	136.4	128.3	120.6	112.6	104.5	96.3	87.9	81.1
-27.5°	152.7	143.8	134.6	127.4	120.1	112.6	105.0	97.1	89.1	82.3	75.8
-28.75°	140.2	132.3	125.7	118.9	111.8	104.5	97.1	89.5	82.9	76.7	70.3
-30°	129.2	123.1	116.7	110.1	103.3	96.3	89.1	82.9	77.0	70.9	65.0
-31.25°	119.6	113.7	107.6	101.3	94.7	87.9	82.3	76.7	70.9	65.3	59.6
-32.5°	110.0	104.3	98.4	92.3	86.2	81.1	75.8	70.3	65.0	59.6	54.1
-33.75°	100.2	94.8	89.1	84.1	79.3	74.3	69.2	64.2	59.0	53.8	49.8
-35°	90.4	85.6	81.3	76.8	72.2	67.5	62.8	58.0	53.0	49.5	46.5
-36.25°	82.0	78.0	73.9	69.5	65.3	60.9	56.3	51.7	48.9	46.0	43.1
-37.5°	74.1	70.3	66.5	62.5	58.4	54.2	50.6	48.0	45.3	42.5	41.0
-38.75°	66.4	62.9	59.3	55.5	51.6	49.2	46.8	44.2	41.7	40.7	39.8
-40°	58.9	55.6	52.1	49.8	47.6	45.3	42.9	41.3	40.4	39.5	38.5
-41.25°	51.5	49.6	47.7	45.6	43.5	41.6	40.8	39.9	39.1	38.2	37.8
-42.5°	47.1	45.3	43.4	41.6	40.9	40.2	39.4	38.6	38.0	37.6	37.1
-43.75°	42.7	41.4	40.8	40.1	39.5	38.7	38.1	37.7	37.3	36.9	36.5
-45°	40.5	39.9	39.3	38.7	38.1	37.8	37.4	37.1	36.7	36.3	35.9
-46.25°	38.9	38.4	38.0	37.7	37.4	37.1	36.7	36.4	36.0	35.6	35.2
-47.5°	37.8	37.5	37.3	37.0	36.7	36.4	36.0	35.7	35.3	34.9	34.5
-48.75°	37.0	36.8	36.5	36.2	35.9	35.6	35.3	34.9	34.5	34.1	33.7
-50°	36.3	36.0	35.7	35.4	35.2	34.8	34.5	34.1	33.7	33.3	32.9
-51.25°	35.4	35.2	34.9	34.7	34.3	34.0	33.6	33.3	32.9	32.5	32.1
-52.5°	34.6	34.3	34.0	33.7	33.4	33.1	32.8	32.4	32.1	31.8	31.4
-53.75°	33.7	33.4	33.1	32.8	32.5	32.3	32.0	31.7	31.4	31.1	30.7
-55°	32.7	32.5	32.2	32.0	31.8	31.5	31.2	30.9	30.6	30.1	29.7
-56.25°	31.9	31.7	31.4	31.2	31.0	30.7	30.3	29.9	29.5	29.1	28.7
-57.5°	31.0	30.8	30.6	30.2	29.9	29.6	29.2	28.8	28.4	28.0	27.5
-58.75°	29.9	29.7	29.4	29.1	28.8	28.4	28.1	27.7	27.2	26.8	26.3
-60°	28.7	28.5	28.2	27.9	27.5	27.2	26.8	26.4	26.0	25.6	25.1
-61.25°	27.4	27.2	26.9	26.5	26.2	25.9	25.5	25.1	24.6	24.1	23.5
-62.5°	26.1	25.8	25.5	25.2	24.8	24.4	23.9	23.5	23.0	22.5	22.0
-63.75°	24.5	24.2	23.8	23.5	23.1	22.7	22.2	21.8	21.3	20.9	20.6
-65°	22.7	22.4	22.1	21.7	21.3	21.0	20.7	20.4	20.0	19.7	19.3
-66.25°	21.0	20.7	20.5	20.2	19.9	19.7	19.4	19.0	18.7	18.4	18.0
-67.5°	19.5	19.3	19.1	18.8	18.6	18.3	18.0	17.7	17.3	17.0	16.6
-68.75°	18.1	17.8	17.6	17.3	17.1	16.8	16.5	16.2	15.9	15.5	15.2
-70°	16.5	16.3	16.1	15.8	15.6	15.3	15.0	14.8	14.6	14.4	14.3
-71.25°	14.9	14.8	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7	13.5
-72.5°	14.0	13.9	13.8	13.7	13.6	13.5	13.3	13.2	13.1	12.9	12.8
-73.75°	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.5	12.3	12.2	12.1
-75°	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4
-76.25°	11.6	11.5	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.7
-77.5°	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1	10.1	10.0



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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°
-78.75°	10.0	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.2	9.1
-80°	9.1	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2
-81.25°	8.0	8.0	7.9	7.8	7.8	7.7	7.6	7.5	7.5	7.4	7.3
-82.5°	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2
-83.75°	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
-85°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	4.0
-86.25°	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
-87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
86.25°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3
85°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2
83.75°	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
82.5°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1	5.0
81.25°	7.2	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9
80°	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8
78.75°	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6
77.5°	9.8	9.7	9.6	9.5	9.4	9.2	9.0	8.9	8.7	8.5	8.4
76.25°	10.6	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.5	9.3	9.1
75°	11.3	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1	10.0	9.8
73.75°	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7	10.6	10.4
72.5°	12.6	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.3	11.1	11.0
71.25°	13.4	13.2	13.0	12.8	12.7	12.5	12.3	12.1	11.9	11.7	11.5
70°	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.1
68.75°	14.9	14.6	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9	12.7
67.5°	16.2	15.8	15.4	15.0	14.7	14.5	14.2	14.0	13.8	13.5	13.2
66.25°	17.6	17.2	16.8	16.3	15.9	15.4	15.0	14.6	14.4	14.1	13.8
65°	18.9	18.5	18.1	17.6	17.2	16.7	16.2	15.7	15.2	14.7	14.4
63.75°	20.2	19.7	19.3	18.9	18.4	17.9	17.4	16.9	16.3	15.8	15.2
62.5°	21.4	21.0	20.5	20.0	19.6	19.1	18.6	18.1	17.5	16.9	16.3
61.25°	23.0	22.4	21.8	21.2	20.7	20.2	19.7	19.2	18.6	18.0	17.4
60°	24.5	23.9	23.3	22.7	22.0	21.3	20.8	20.2	19.7	19.1	18.5
58.75°	25.9	25.4	24.8	24.1	23.4	22.7	22.0	21.3	20.7	20.1	19.5
57.5°	27.0	26.5	26.0	25.5	24.8	24.1	23.4	22.6	21.8	21.1	20.4
56.25°	28.2	27.7	27.1	26.6	26.0	25.4	24.7	23.9	23.1	22.3	21.4
55°	29.2	28.7	28.3	27.7	27.1	26.5	25.9	25.2	24.4	23.5	22.7
53.75°	30.2	29.7	29.2	28.7	28.2	27.5	26.9	26.2	25.5	24.8	23.9
52.5°	31.1	30.7	30.2	29.6	29.1	28.5	27.9	27.2	26.5	25.8	25.0
51.25°	31.8	31.4	31.0	30.6	30.0	29.4	28.8	28.2	27.5	26.7	26.0
50°	32.5	32.1	31.7	31.3	30.9	30.3	29.7	29.0	28.4	27.6	26.9
48.75°	33.2	32.8	32.3	31.9	31.5	31.0	30.5	29.8	29.2	28.5	27.8
47.5°	34.0	33.5	33.0	32.5	32.1	31.6	31.2	30.7	30.0	29.3	28.6
46.25°	34.8	34.3	33.8	33.2	32.7	32.2	31.8	31.3	30.8	30.0	29.3
45°	35.4	35.0	34.5	34.0	33.4	32.9	32.3	31.8	31.3	30.8	30.0
43.75°	36.1	35.6	35.2	34.7	34.1	33.5	32.9	32.4	31.8	31.3	30.8
42.5°	36.7	36.2	35.8	35.3	34.8	34.2	33.6	33.0	32.4	31.8	31.3
41.25°	37.3	36.9	36.4	35.9	35.3	34.8	34.2	33.6	32.9	32.3	31.8
40°	37.9	37.4	36.9	36.4	35.9	35.4	34.8	34.2	33.5	32.9	32.2
38.75°	38.8	38.0	37.5	37.0	36.5	35.9	35.3	34.8	34.1	33.4	32.7
37.5°	40.0	38.9	38.0	37.5	37.0	36.4	35.9	35.3	34.7	34.0	33.2
36.25°	41.2	40.1	39.0	38.0	37.5	36.9	36.4	35.8	35.2	34.5	33.8
35°	43.4	41.2	40.1	38.9	38.0	37.4	36.9	36.2	35.6	35.0	34.3



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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°
33.75°	46.6	43.4	41.2	40.0	38.8	37.9	37.3	36.7	36.1	35.4	34.8
32.5°	49.8	46.5	43.1	41.0	39.8	38.5	37.8	37.1	36.5	35.9	35.2
31.25°	53.8	49.5	46.0	42.5	40.7	39.5	38.2	37.6	36.9	36.3	35.6
30°	59.0	53.0	48.9	45.3	41.7	40.4	39.1	38.0	37.3	36.7	36.0
28.75°	64.2	58.0	51.7	48.0	44.2	41.3	39.9	38.6	37.7	37.1	36.4
27.5°	69.2	62.8	56.3	50.6	46.8	42.9	40.8	39.4	38.1	37.4	36.7
26.25°	74.3	67.5	60.9	54.2	49.2	45.3	41.6	40.2	38.7	37.8	37.1
25°	79.3	72.2	65.3	58.4	51.6	47.6	43.5	40.9	39.5	38.1	37.4
23.75°	84.1	76.8	69.5	62.5	55.5	49.8	45.6	41.6	40.1	38.7	37.7
22.5°	89.1	81.3	73.9	66.5	59.3	52.1	47.7	43.4	40.8	39.3	38.0
21.25°	94.8	85.6	78.0	70.3	62.9	55.6	49.6	45.3	41.4	39.9	38.4
20°	100.2	90.4	82.0	74.1	66.4	58.9	51.5	47.1	42.7	40.5	38.9
18.75°	105.4	95.4	85.7	77.8	69.8	62.1	54.4	48.8	44.3	41.0	39.5
17.5°	110.4	100.2	89.9	81.2	73.1	65.1	57.3	50.4	45.9	41.6	40.0
16.25°	115.1	104.6	94.2	84.4	76.2	67.9	60.0	52.1	47.3	42.7	40.4
15°	119.4	108.8	98.2	87.5	79.1	70.7	62.6	54.5	48.7	44.0	40.9
13.75°	123.5	112.8	102.0	91.1	81.8	73.3	64.9	56.8	49.9	45.2	41.3
12.5°	127.3	116.4	105.4	94.5	84.3	75.6	67.1	58.9	51.1	46.3	41.6
11.25°	130.8	119.7	108.6	97.5	86.6	77.8	69.1	60.8	52.5	47.3	42.5
10°	133.9	122.7	111.4	100.2	89.0	79.8	71.0	62.5	54.1	48.2	43.4
8.75°	137.5	125.4	114.0	102.6	91.3	81.5	72.6	64.0	55.6	49.0	44.2
7.5°	140.8	127.7	116.2	104.8	93.3	83.0	74.1	65.3	56.8	49.7	44.8
6.25°	143.6	129.7	118.1	106.6	95.0	84.3	75.3	66.4	57.9	50.3	45.4
5°	145.9	131.3	119.7	108.0	96.5	85.4	76.3	67.4	58.8	50.8	45.9
3.75°	147.7	132.6	120.9	109.2	97.6	86.2	77.1	68.1	59.5	51.2	46.2
2.5°	149.0	133.5	121.8	110.0	98.4	86.8	77.7	68.6	60.0	51.5	46.5
1.25°	149.7	134.0	122.3	110.5	98.8	87.2	78.0	68.9	60.3	51.6	46.6
0°	150.0	134.2	122.5	110.7	99.0	87.3	78.2	69.0	60.4	51.7	46.7
-1.25°	149.7	134.0	122.3	110.5	98.8	87.2	78.0	68.9	60.3	51.6	46.6
-2.5°	149.0	133.5	121.8	110.0	98.4	86.8	77.7	68.6	60.0	51.5	46.5
-3.75°	147.7	132.6	120.9	109.2	97.6	86.2	77.1	68.1	59.5	51.2	46.2
-5°	145.9	131.3	119.7	108.0	96.5	85.4	76.3	67.4	58.8	50.8	45.9
-6.25°	143.6	129.7	118.1	106.6	95.0	84.3	75.3	66.4	57.9	50.3	45.4
-7.5°	140.8	127.7	116.2	104.8	93.3	83.0	74.1	65.3	56.8	49.7	44.8
-8.75°	137.5	125.4	114.0	102.6	91.3	81.5	72.6	64.0	55.6	49.0	44.2
-10°	133.9	122.7	111.4	100.2	89.0	79.8	71.0	62.5	54.1	48.2	43.4
-11.25°	130.8	119.7	108.6	97.5	86.6	77.8	69.1	60.8	52.5	47.3	42.5
-12.5°	127.3	116.4	105.4	94.5	84.3	75.6	67.1	58.9	51.1	46.3	41.6
-13.75°	123.5	112.8	102.0	91.1	81.8	73.3	64.9	56.8	49.9	45.2	41.3
-15°	119.4	108.8	98.2	87.5	79.1	70.7	62.6	54.5	48.7	44.0	40.9
-16.25°	115.1	104.6	94.2	84.4	76.2	67.9	60.0	52.1	47.3	42.7	40.4
-17.5°	110.4	100.2	89.9	81.2	73.1	65.1	57.3	50.4	45.9	41.6	40.0
-18.75°	105.4	95.4	85.7	77.8	69.8	62.1	54.4	48.8	44.3	41.0	39.5
-20°	100.2	90.4	82.0	74.1	66.4	58.9	51.5	47.1	42.7	40.5	38.9
-21.25°	94.8	85.6	78.0	70.3	62.9	55.6	49.6	45.3	41.4	39.9	38.4



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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°	89.1	81.3	73.9	66.5	59.3	52.1	47.7	43.4	40.8	39.3	38.0
-23.75°	84.1	76.8	69.5	62.5	55.5	49.8	45.6	41.6	40.1	38.7	37.7
-25°	79.3	72.2	65.3	58.4	51.6	47.6	43.5	40.9	39.5	38.1	37.4
-26.25°	74.3	67.5	60.9	54.2	49.2	45.3	41.6	40.2	38.7	37.8	37.1
-27.5°	69.2	62.8	56.3	50.6	46.8	42.9	40.8	39.4	38.1	37.4	36.7
-28.75°	64.2	58.0	51.7	48.0	44.2	41.3	39.9	38.6	37.7	37.1	36.4
-30°	59.0	53.0	48.9	45.3	41.7	40.4	39.1	38.0	37.3	36.7	36.0
-31.25°	53.8	49.5	46.0	42.5	40.7	39.5	38.2	37.6	36.9	36.3	35.6
-32.5°	49.8	46.5	43.1	41.0	39.8	38.5	37.8	37.1	36.5	35.9	35.2
-33.75°	46.6	43.4	41.2	40.0	38.8	37.9	37.3	36.7	36.1	35.4	34.8
-35°	43.4	41.2	40.1	38.9	38.0	37.4	36.9	36.2	35.6	35.0	34.3
-36.25°	41.2	40.1	39.0	38.0	37.5	36.9	36.4	35.8	35.2	34.5	33.8
-37.5°	40.0	38.9	38.0	37.5	37.0	36.4	35.9	35.3	34.7	34.0	33.2
-38.75°	38.8	38.0	37.5	37.0	36.5	35.9	35.3	34.8	34.1	33.4	32.7
-40°	37.9	37.4	36.9	36.4	35.9	35.4	34.8	34.2	33.5	32.9	32.2
-41.25°	37.3	36.9	36.4	35.9	35.3	34.8	34.2	33.6	32.9	32.3	31.8
-42.5°	36.7	36.2	35.8	35.3	34.8	34.2	33.6	33.0	32.4	31.8	31.3
-43.75°	36.1	35.6	35.2	34.7	34.1	33.5	32.9	32.4	31.8	31.3	30.8
-45°	35.4	35.0	34.5	34.0	33.4	32.9	32.3	31.8	31.3	30.8	30.0
-46.25°	34.8	34.3	33.8	33.2	32.7	32.2	31.8	31.3	30.8	30.0	29.3
-47.5°	34.0	33.5	33.0	32.5	32.1	31.6	31.2	30.7	30.0	29.3	28.6
-48.75°	33.2	32.8	32.3	31.9	31.5	31.0	30.5	29.8	29.2	28.5	27.8
-50°	32.5	32.1	31.7	31.3	30.9	30.3	29.7	29.0	28.4	27.6	26.9
-51.25°	31.8	31.4	31.0	30.6	30.0	29.4	28.8	28.2	27.5	26.7	26.0
-52.5°	31.1	30.7	30.2	29.6	29.1	28.5	27.9	27.2	26.5	25.8	25.0
-53.75°	30.2	29.7	29.2	28.7	28.2	27.5	26.9	26.2	25.5	24.8	23.9
-55°	29.2	28.7	28.3	27.7	27.1	26.5	25.9	25.2	24.4	23.5	22.7
-56.25°	28.2	27.7	27.1	26.6	26.0	25.4	24.7	23.9	23.1	22.3	21.4
-57.5°	27.0	26.5	26.0	25.5	24.8	24.1	23.4	22.6	21.8	21.1	20.4
-58.75°	25.9	25.4	24.8	24.1	23.4	22.7	22.0	21.3	20.7	20.1	19.5
-60°	24.5	23.9	23.3	22.7	22.0	21.3	20.8	20.2	19.7	19.1	18.5
-61.25°	23.0	22.4	21.8	21.2	20.7	20.2	19.7	19.2	18.6	18.0	17.4
-62.5°	21.4	21.0	20.5	20.0	19.6	19.1	18.6	18.1	17.5	16.9	16.3
-63.75°	20.2	19.7	19.3	18.9	18.4	17.9	17.4	16.9	16.3	15.8	15.2
-65°	18.9	18.5	18.1	17.6	17.2	16.7	16.2	15.7	15.2	14.7	14.4
-66.25°	17.6	17.2	16.8	16.3	15.9	15.4	15.0	14.6	14.4	14.1	13.8
-67.5°	16.2	15.8	15.4	15.0	14.7	14.5	14.2	14.0	13.8	13.5	13.2
-68.75°	14.9	14.6	14.4	14.2	14.0	13.8	13.6	13.4	13.1	12.9	12.7
-70°	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.1
-71.25°	13.4	13.2	13.0	12.8	12.7	12.5	12.3	12.1	11.9	11.7	11.5
-72.5°	12.6	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.3	11.1	11.0
-73.75°	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7	10.6	10.4
-75°	11.3	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1	10.0	9.8
-76.25°	10.6	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.5	9.3	9.1
-77.5°	9.8	9.7	9.6	9.5	9.4	9.2	9.0	8.9	8.7	8.5	8.4



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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°	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6
-80°	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8
-81.25°	7.2	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9
-82.5°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1	5.0
-83.75°	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
-85°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2
-86.25°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3
-87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
-88.75°	0.9	0.9	0.9	0.9	0.9	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



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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	0.7	0.7	0.6	0.6	0.6	0.6	0.5
87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
85°	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2
83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.8
82.5°	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5
81.25°	5.7	5.6	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
80°	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
78.75°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4
77.5°	8.2	8.0	7.8	7.7	7.5	7.2	7.0	6.8	6.5	6.3	6.1
76.25°	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7
75°	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8	7.6	7.3
73.75°	10.2	10.0	9.8	9.7	9.4	9.2	8.9	8.7	8.4	8.1	7.9
72.5°	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.4
71.25°	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.2	8.9
70°	11.9	11.7	11.4	11.2	11.0	10.7	10.5	10.2	10.0	9.7	9.5
68.75°	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9
67.5°	13.0	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.9	10.6	10.3
66.25°	13.6	13.3	13.0	12.7	12.5	12.2	11.9	11.6	11.3	11.0	10.7
65°	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1
63.75°	14.7	14.4	14.1	13.8	13.4	13.1	12.8	12.5	12.1	11.8	11.5
62.5°	15.7	15.1	14.6	14.3	14.0	13.6	13.3	12.9	12.6	12.2	11.9
61.25°	16.8	16.1	15.5	14.8	14.5	14.1	13.7	13.4	13.0	12.6	12.3
60°	17.8	17.2	16.5	15.8	15.1	14.6	14.2	13.8	13.4	13.0	12.6
58.75°	18.8	18.2	17.5	16.8	16.0	15.3	14.7	14.3	13.9	13.4	13.0
57.5°	19.8	19.1	18.5	17.7	17.0	16.2	15.4	14.7	14.3	13.9	13.4
56.25°	20.7	20.0	19.3	18.6	17.9	17.1	16.3	15.5	14.7	14.3	13.8
55°	21.8	21.0	20.2	19.5	18.7	18.0	17.1	16.3	15.4	14.7	14.2
53.75°	22.9	22.0	21.1	20.3	19.6	18.8	18.0	17.1	16.2	15.3	14.6
52.5°	24.1	23.1	22.1	21.2	20.4	19.6	18.7	17.9	17.0	16.0	15.1
51.25°	25.2	24.2	23.2	22.2	21.2	20.3	19.5	18.6	17.7	16.8	15.8
50°	26.1	25.3	24.3	23.2	22.1	21.1	20.2	19.3	18.5	17.5	16.5
48.75°	26.9	26.1	25.3	24.2	23.1	22.0	21.0	20.0	19.1	18.2	17.2
47.5°	27.8	26.9	26.1	25.2	24.1	22.9	21.8	20.7	19.8	18.8	17.8
46.25°	28.6	27.8	26.9	26.0	25.0	23.9	22.7	21.4	20.4	19.5	18.5
45°	29.3	28.5	27.6	26.7	25.8	24.8	23.5	22.3	21.1	20.1	19.1
43.75°	30.0	29.2	28.4	27.5	26.5	25.5	24.4	23.1	21.8	20.7	19.7
42.5°	30.7	29.8	29.0	28.2	27.2	26.2	25.2	23.9	22.6	21.3	20.2
41.25°	31.2	30.5	29.7	28.8	27.9	26.9	25.9	24.7	23.4	22.0	20.8
40°	31.6	31.0	30.3	29.4	28.5	27.5	26.5	25.4	24.1	22.7	21.3
38.75°	32.1	31.5	30.9	30.0	29.1	28.2	27.1	26.0	24.8	23.4	22.0
37.5°	32.5	31.9	31.3	30.6	29.6	28.7	27.7	26.6	25.5	24.1	22.7
36.25°	33.0	32.3	31.7	31.0	30.2	29.2	28.3	27.1	26.0	24.8	23.3
35°	33.5	32.8	32.1	31.4	30.7	29.7	28.7	27.7	26.5	25.4	23.9



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**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	34.0	33.2	32.5	31.8	31.1	30.2	29.2	28.2	27.0	25.9	24.5
32.5°	34.5	33.7	32.9	32.1	31.4	30.7	29.7	28.7	27.5	26.3	25.1
31.25°	34.9	34.1	33.3	32.5	31.8	31.1	30.1	29.1	28.0	26.8	25.6
30°	35.3	34.5	33.7	32.9	32.1	31.4	30.6	29.5	28.4	27.2	26.0
28.75°	35.7	34.9	34.1	33.3	32.4	31.7	30.9	29.9	28.8	27.7	26.4
27.5°	36.0	35.3	34.5	33.6	32.8	32.0	31.2	30.3	29.2	28.1	26.8
26.25°	36.4	35.6	34.8	34.0	33.1	32.3	31.5	30.7	29.6	28.4	27.2
25°	36.7	35.9	35.2	34.3	33.4	32.5	31.8	31.0	29.9	28.8	27.5
23.75°	37.0	36.2	35.4	34.7	33.7	32.8	32.0	31.2	30.2	29.1	27.9
22.5°	37.3	36.5	35.7	34.9	34.0	33.1	32.2	31.4	30.6	29.4	28.2
21.25°	37.5	36.8	36.0	35.2	34.3	33.4	32.5	31.7	30.8	29.7	28.5
20°	37.8	37.0	36.3	35.4	34.6	33.7	32.7	31.9	31.0	29.9	28.7
18.75°	38.0	37.3	36.5	35.7	34.8	33.9	32.9	32.1	31.2	30.2	29.0
17.5°	38.4	37.5	36.7	35.9	35.1	34.1	33.2	32.2	31.4	30.4	29.2
16.25°	38.8	37.7	36.9	36.1	35.2	34.4	33.4	32.4	31.6	30.7	29.4
15°	39.2	37.9	37.1	36.3	35.4	34.6	33.6	32.6	31.7	30.9	29.6
13.75°	39.6	38.1	37.3	36.5	35.6	34.7	33.7	32.7	31.9	31.0	29.8
12.5°	40.0	38.3	37.4	36.6	35.8	34.9	33.9	32.9	32.0	31.1	30.0
11.25°	40.3	38.6	37.6	36.8	35.9	35.0	34.1	33.0	32.1	31.2	30.1
10°	40.6	38.9	37.7	36.9	36.0	35.1	34.2	33.2	32.2	31.3	30.3
8.75°	40.8	39.1	37.8	37.0	36.1	35.2	34.3	33.3	32.3	31.4	30.4
7.5°	41.1	39.4	37.9	37.1	36.2	35.3	34.4	33.4	32.4	31.5	30.5
6.25°	41.3	39.5	38.0	37.2	36.3	35.4	34.5	33.5	32.4	31.6	30.6
5°	41.4	39.7	38.1	37.2	36.4	35.5	34.6	33.5	32.5	31.6	30.7
3.75°	41.5	39.8	38.1	37.3	36.4	35.5	34.6	33.6	32.5	31.6	30.7
2.5°	41.6	39.9	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.8
1.25°	41.7	39.9	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.8
0°	41.7	40.0	38.2	37.4	36.5	35.6	34.7	33.7	32.6	31.7	30.8
-1.25°	41.7	39.9	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.8
-2.5°	41.6	39.9	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.8
-3.75°	41.5	39.8	38.1	37.3	36.4	35.5	34.6	33.6	32.5	31.6	30.7
-5°	41.4	39.7	38.1	37.2	36.4	35.5	34.6	33.5	32.5	31.6	30.7
-6.25°	41.3	39.5	38.0	37.2	36.3	35.4	34.5	33.5	32.4	31.6	30.6
-7.5°	41.1	39.4	37.9	37.1	36.2	35.3	34.4	33.4	32.4	31.5	30.5
-8.75°	40.8	39.1	37.8	37.0	36.1	35.2	34.3	33.3	32.3	31.4	30.4
-10°	40.6	38.9	37.7	36.9	36.0	35.1	34.2	33.2	32.2	31.3	30.3
-11.25°	40.3	38.6	37.6	36.8	35.9	35.0	34.1	33.0	32.1	31.2	30.1
-12.5°	40.0	38.3	37.4	36.6	35.8	34.9	33.9	32.9	32.0	31.1	30.0
-13.75°	39.6	38.1	37.3	36.5	35.6	34.7	33.7	32.7	31.9	31.0	29.8
-15°	39.2	37.9	37.1	36.3	35.4	34.6	33.6	32.6	31.7	30.9	29.6
-16.25°	38.8	37.7	36.9	36.1	35.2	34.4	33.4	32.4	31.6	30.7	29.4
-17.5°	38.4	37.5	36.7	35.9	35.1	34.1	33.2	32.2	31.4	30.4	29.2
-18.75°	38.0	37.3	36.5	35.7	34.8	33.9	32.9	32.1	31.2	30.2	29.0
-20°	37.8	37.0	36.3	35.4	34.6	33.7	32.7	31.9	31.0	29.9	28.7
-21.25°	37.5	36.8	36.0	35.2	34.3	33.4	32.5	31.7	30.8	29.7	28.5





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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°	37.3	36.5	35.7	34.9	34.0	33.1	32.2	31.4	30.6	29.4	28.2
-23.75°	37.0	36.2	35.4	34.7	33.7	32.8	32.0	31.2	30.2	29.1	27.9
-25°	36.7	35.9	35.2	34.3	33.4	32.5	31.8	31.0	29.9	28.8	27.5
-26.25°	36.4	35.6	34.8	34.0	33.1	32.3	31.5	30.7	29.6	28.4	27.2
-27.5°	36.0	35.3	34.5	33.6	32.8	32.0	31.2	30.3	29.2	28.1	26.8
-28.75°	35.7	34.9	34.1	33.3	32.4	31.7	30.9	29.9	28.8	27.7	26.4
-30°	35.3	34.5	33.7	32.9	32.1	31.4	30.6	29.5	28.4	27.2	26.0
-31.25°	34.9	34.1	33.3	32.5	31.8	31.1	30.1	29.1	28.0	26.8	25.6
-32.5°	34.5	33.7	32.9	32.1	31.4	30.7	29.7	28.7	27.5	26.3	25.1
-33.75°	34.0	33.2	32.5	31.8	31.1	30.2	29.2	28.2	27.0	25.9	24.5
-35°	33.5	32.8	32.1	31.4	30.7	29.7	28.7	27.7	26.5	25.4	23.9
-36.25°	33.0	32.3	31.7	31.0	30.2	29.2	28.3	27.1	26.0	24.8	23.3
-37.5°	32.5	31.9	31.3	30.6	29.6	28.7	27.7	26.6	25.5	24.1	22.7
-38.75°	32.1	31.5	30.9	30.0	29.1	28.2	27.1	26.0	24.8	23.4	22.0
-40°	31.6	31.0	30.3	29.4	28.5	27.5	26.5	25.4	24.1	22.7	21.3
-41.25°	31.2	30.5	29.7	28.8	27.9	26.9	25.9	24.7	23.4	22.0	20.8
-42.5°	30.7	29.8	29.0	28.2	27.2	26.2	25.2	23.9	22.6	21.3	20.2
-43.75°	30.0	29.2	28.4	27.5	26.5	25.5	24.4	23.1	21.8	20.7	19.7
-45°	29.3	28.5	27.6	26.7	25.8	24.8	23.5	22.3	21.1	20.1	19.1
-46.25°	28.6	27.8	26.9	26.0	25.0	23.9	22.7	21.4	20.4	19.5	18.5
-47.5°	27.8	26.9	26.1	25.2	24.1	22.9	21.8	20.7	19.8	18.8	17.8
-48.75°	26.9	26.1	25.3	24.2	23.1	22.0	21.0	20.0	19.1	18.2	17.2
-50°	26.1	25.3	24.3	23.2	22.1	21.1	20.2	19.3	18.5	17.5	16.5
-51.25°	25.2	24.2	23.2	22.2	21.2	20.3	19.5	18.6	17.7	16.8	15.8
-52.5°	24.1	23.1	22.1	21.2	20.4	19.6	18.7	17.9	17.0	16.0	15.1
-53.75°	22.9	22.0	21.1	20.3	19.6	18.8	18.0	17.1	16.2	15.3	14.6
-55°	21.8	21.0	20.2	19.5	18.7	18.0	17.1	16.3	15.4	14.7	14.2
-56.25°	20.7	20.0	19.3	18.6	17.9	17.1	16.3	15.5	14.7	14.3	13.8
-57.5°	19.8	19.1	18.5	17.7	17.0	16.2	15.4	14.7	14.3	13.9	13.4
-58.75°	18.8	18.2	17.5	16.8	16.0	15.3	14.7	14.3	13.9	13.4	13.0
-60°	17.8	17.2	16.5	15.8	15.1	14.6	14.2	13.8	13.4	13.0	12.6
-61.25°	16.8	16.1	15.5	14.8	14.5	14.1	13.7	13.4	13.0	12.6	12.3
-62.5°	15.7	15.1	14.6	14.3	14.0	13.6	13.3	12.9	12.6	12.2	11.9
-63.75°	14.7	14.4	14.1	13.8	13.4	13.1	12.8	12.5	12.1	11.8	11.5
-65°	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1
-66.25°	13.6	13.3	13.0	12.7	12.5	12.2	11.9	11.6	11.3	11.0	10.7
-67.5°	13.0	12.7	12.5	12.2	12.0	11.7	11.4	11.1	10.9	10.6	10.3
-68.75°	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.4	10.2	9.9
-70°	11.9	11.7	11.4	11.2	11.0	10.7	10.5	10.2	10.0	9.7	9.5
-71.25°	11.3	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.2	8.9
-72.5°	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.4
-73.75°	10.2	10.0	9.8	9.7	9.4	9.2	8.9	8.7	8.4	8.1	7.9
-75°	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8	7.6	7.3
-76.25°	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7
-77.5°	8.2	8.0	7.8	7.7	7.5	7.2	7.0	6.8	6.5	6.3	6.1



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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°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.4
-80°	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
-81.25°	5.7	5.6	5.4	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
-82.5°	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5
-83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.8
-85°	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2
-86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
-87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	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	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
83.75°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
82.5°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8
81.25°	4.0	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.1
80°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5
78.75°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.9
77.5°	5.8	5.6	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.5	3.2
76.25°	6.4	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
75°	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.2	3.9
73.75°	7.6	7.3	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.6	4.3
72.5°	8.1	7.8	7.5	7.2	6.8	6.5	6.1	5.7	5.4	5.0	4.6
71.25°	8.6	8.3	8.0	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0
70°	9.1	8.8	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.7	5.3
68.75°	9.6	9.3	8.9	8.6	8.2	7.8	7.4	7.0	6.6	6.1	5.7
67.5°	10.0	9.7	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.0
66.25°	10.4	10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.8	6.3
65°	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.7
63.75°	11.2	10.8	10.5	10.1	9.8	9.4	8.9	8.5	8.0	7.5	7.0
62.5°	11.5	11.2	10.8	10.5	10.1	9.7	9.3	8.8	8.3	7.8	7.3
61.25°	11.9	11.5	11.2	10.8	10.4	10.0	9.6	9.1	8.6	8.1	7.6
60°	12.3	11.9	11.5	11.1	10.7	10.3	9.9	9.5	8.9	8.4	7.9
58.75°	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.7	9.2	8.7	8.1
57.5°	13.0	12.6	12.1	11.7	11.3	10.9	10.4	10.0	9.6	9.0	8.4
56.25°	13.4	12.9	12.5	12.0	11.6	11.1	10.7	10.2	9.8	9.3	8.7
55°	13.7	13.3	12.8	12.3	11.9	11.4	11.0	10.5	10.0	9.5	8.9
53.75°	14.1	13.6	13.1	12.6	12.2	11.7	11.2	10.7	10.3	9.8	9.2
52.5°	14.5	14.0	13.4	12.9	12.5	12.0	11.5	11.0	10.5	10.0	9.4
51.25°	14.8	14.3	13.8	13.2	12.7	12.2	11.7	11.2	10.7	10.2	9.7
50°	15.5	14.6	14.1	13.5	13.0	12.5	12.0	11.4	10.9	10.4	9.8
48.75°	16.1	15.1	14.4	13.8	13.3	12.7	12.2	11.7	11.1	10.6	10.0
47.5°	16.8	15.7	14.7	14.1	13.6	13.0	12.4	11.9	11.3	10.8	10.2
46.25°	17.4	16.3	15.2	14.4	13.8	13.2	12.7	12.1	11.5	11.0	10.4
45°	18.0	16.9	15.8	14.7	14.1	13.5	12.9	12.3	11.7	11.1	10.6
43.75°	18.6	17.5	16.3	15.2	14.4	13.8	13.1	12.5	11.9	11.3	10.7
42.5°	19.2	18.1	16.9	15.7	14.6	14.0	13.4	12.7	12.1	11.5	10.9
41.25°	19.7	18.6	17.4	16.2	15.0	14.2	13.6	12.9	12.3	11.7	11.1
40°	20.2	19.1	17.9	16.7	15.4	14.5	13.8	13.1	12.5	11.9	11.2
38.75°	20.7	19.6	18.4	17.2	15.9	14.7	14.0	13.3	12.7	12.0	11.4
37.5°	21.2	20.0	18.9	17.6	16.3	15.0	14.2	13.5	12.8	12.2	11.5
36.25°	21.8	20.5	19.3	18.1	16.8	15.4	14.4	13.7	13.0	12.3	11.7
35°	22.4	21.0	19.7	18.5	17.2	15.8	14.6	13.9	13.2	12.5	11.8



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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°	23.0	21.4	20.2	18.9	17.6	16.2	14.9	14.1	13.4	12.6	11.9
32.5°	23.5	22.0	20.6	19.3	18.0	16.6	15.2	14.3	13.5	12.8	12.1
31.25°	24.1	22.5	20.9	19.7	18.4	17.0	15.5	14.4	13.7	12.9	12.2
30°	24.6	23.0	21.3	20.0	18.7	17.3	15.9	14.6	13.8	13.1	12.3
28.75°	25.1	23.5	21.8	20.4	19.0	17.7	16.2	14.8	14.0	13.2	12.5
27.5°	25.5	23.9	22.2	20.7	19.4	18.0	16.5	15.0	14.1	13.3	12.6
26.25°	25.9	24.4	22.7	21.0	19.7	18.3	16.8	15.3	14.3	13.5	12.7
25°	26.2	24.8	23.1	21.3	19.9	18.6	17.1	15.6	14.4	13.6	12.8
23.75°	26.5	25.2	23.5	21.7	20.2	18.8	17.3	15.8	14.5	13.7	12.9
22.5°	26.9	25.5	23.8	22.1	20.5	19.1	17.6	16.1	14.6	13.8	13.0
21.25°	27.2	25.8	24.2	22.4	20.7	19.3	17.8	16.3	14.8	13.9	13.1
20°	27.4	26.1	24.5	22.7	21.0	19.5	18.1	16.5	14.9	14.0	13.2
18.75°	27.7	26.3	24.8	23.0	21.2	19.7	18.3	16.7	15.1	14.1	13.3
17.5°	28.0	26.6	25.1	23.3	21.4	19.9	18.5	16.9	15.3	14.2	13.3
16.25°	28.2	26.8	25.4	23.5	21.7	20.1	18.6	17.1	15.4	14.3	13.4
15°	28.4	27.0	25.5	23.8	21.9	20.3	18.8	17.2	15.6	14.4	13.5
13.75°	28.6	27.2	25.7	24.0	22.1	20.5	19.0	17.4	15.7	14.4	13.6
12.5°	28.7	27.4	25.9	24.2	22.3	20.6	19.1	17.5	15.9	14.5	13.6
11.25°	28.9	27.5	26.1	24.4	22.5	20.7	19.2	17.7	16.0	14.6	13.7
10°	29.0	27.7	26.2	24.6	22.7	20.9	19.3	17.8	16.1	14.6	13.7
8.75°	29.1	27.8	26.3	24.7	22.8	21.0	19.4	17.9	16.2	14.6	13.8
7.5°	29.2	27.9	26.4	24.8	22.9	21.0	19.5	18.0	16.3	14.7	13.8
6.25°	29.3	28.0	26.5	25.0	23.0	21.1	19.6	18.0	16.3	14.7	13.8
5°	29.4	28.1	26.6	25.0	23.1	21.2	19.6	18.1	16.4	14.8	13.9
3.75°	29.4	28.1	26.6	25.1	23.2	21.2	19.7	18.1	16.4	14.8	13.9
2.5°	29.5	28.2	26.7	25.2	23.2	21.3	19.7	18.2	16.5	14.8	13.9
1.25°	29.5	28.2	26.7	25.2	23.2	21.3	19.7	18.2	16.5	14.8	13.9
0°	29.5	28.2	26.7	25.2	23.3	21.3	19.8	18.2	16.5	14.8	13.9
-1.25°	29.5	28.2	26.7	25.2	23.2	21.3	19.7	18.2	16.5	14.8	13.9
-2.5°	29.5	28.2	26.7	25.2	23.2	21.3	19.7	18.2	16.5	14.8	13.9
-3.75°	29.4	28.1	26.6	25.1	23.2	21.2	19.7	18.1	16.4	14.8	13.9
-5°	29.4	28.1	26.6	25.0	23.1	21.2	19.6	18.1	16.4	14.8	13.9
-6.25°	29.3	28.0	26.5	25.0	23.0	21.1	19.6	18.0	16.3	14.7	13.8
-7.5°	29.2	27.9	26.4	24.8	22.9	21.0	19.5	18.0	16.3	14.7	13.8
-8.75°	29.1	27.8	26.3	24.7	22.8	21.0	19.4	17.9	16.2	14.6	13.8
-10°	29.0	27.7	26.2	24.6	22.7	20.9	19.3	17.8	16.1	14.6	13.7
-11.25°	28.9	27.5	26.1	24.4	22.5	20.7	19.2	17.7	16.0	14.6	13.7
-12.5°	28.7	27.4	25.9	24.2	22.3	20.6	19.1	17.5	15.9	14.5	13.6
-13.75°	28.6	27.2	25.7	24.0	22.1	20.5	19.0	17.4	15.7	14.4	13.6
-15°	28.4	27.0	25.5	23.8	21.9	20.3	18.8	17.2	15.6	14.4	13.5
-16.25°	28.2	26.8	25.4	23.5	21.7	20.1	18.6	17.1	15.4	14.3	13.4
-17.5°	28.0	26.6	25.1	23.3	21.4	19.9	18.5	16.9	15.3	14.2	13.3
-18.75°	27.7	26.3	24.8	23.0	21.2	19.7	18.3	16.7	15.1	14.1	13.3
-20°	27.4	26.1	24.5	22.7	21.0	19.5	18.1	16.5	14.9	14.0	13.2
-21.25°	27.2	25.8	24.2	22.4	20.7	19.3	17.8	16.3	14.8	13.9	13.1



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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°
-22.5°	26.9	25.5	23.8	22.1	20.5	19.1	17.6	16.1	14.6	13.8	13.0
-23.75°	26.5	25.2	23.5	21.7	20.2	18.8	17.3	15.8	14.5	13.7	12.9
-25°	26.2	24.8	23.1	21.3	19.9	18.6	17.1	15.6	14.4	13.6	12.8
-26.25°	25.9	24.4	22.7	21.0	19.7	18.3	16.8	15.3	14.3	13.5	12.7
-27.5°	25.5	23.9	22.2	20.7	19.4	18.0	16.5	15.0	14.1	13.3	12.6
-28.75°	25.1	23.5	21.8	20.4	19.0	17.7	16.2	14.8	14.0	13.2	12.5
-30°	24.6	23.0	21.3	20.0	18.7	17.3	15.9	14.6	13.8	13.1	12.3
-31.25°	24.1	22.5	20.9	19.7	18.4	17.0	15.5	14.4	13.7	12.9	12.2
-32.5°	23.5	22.0	20.6	19.3	18.0	16.6	15.2	14.3	13.5	12.8	12.1
-33.75°	23.0	21.4	20.2	18.9	17.6	16.2	14.9	14.1	13.4	12.6	11.9
-35°	22.4	21.0	19.7	18.5	17.2	15.8	14.6	13.9	13.2	12.5	11.8
-36.25°	21.8	20.5	19.3	18.1	16.8	15.4	14.4	13.7	13.0	12.3	11.7
-37.5°	21.2	20.0	18.9	17.6	16.3	15.0	14.2	13.5	12.8	12.2	11.5
-38.75°	20.7	19.6	18.4	17.2	15.9	14.7	14.0	13.3	12.7	12.0	11.4
-40°	20.2	19.1	17.9	16.7	15.4	14.5	13.8	13.1	12.5	11.9	11.2
-41.25°	19.7	18.6	17.4	16.2	15.0	14.2	13.6	12.9	12.3	11.7	11.1
-42.5°	19.2	18.1	16.9	15.7	14.6	14.0	13.4	12.7	12.1	11.5	10.9
-43.75°	18.6	17.5	16.3	15.2	14.4	13.8	13.1	12.5	11.9	11.3	10.7
-45°	18.0	16.9	15.8	14.7	14.1	13.5	12.9	12.3	11.7	11.1	10.6
-46.25°	17.4	16.3	15.2	14.4	13.8	13.2	12.7	12.1	11.5	11.0	10.4
-47.5°	16.8	15.7	14.7	14.1	13.6	13.0	12.4	11.9	11.3	10.8	10.2
-48.75°	16.1	15.1	14.4	13.8	13.3	12.7	12.2	11.7	11.1	10.6	10.0
-50°	15.5	14.6	14.1	13.5	13.0	12.5	12.0	11.4	10.9	10.4	9.8
-51.25°	14.8	14.3	13.8	13.2	12.7	12.2	11.7	11.2	10.7	10.2	9.7
-52.5°	14.5	14.0	13.4	12.9	12.5	12.0	11.5	11.0	10.5	10.0	9.4
-53.75°	14.1	13.6	13.1	12.6	12.2	11.7	11.2	10.7	10.3	9.8	9.2
-55°	13.7	13.3	12.8	12.3	11.9	11.4	11.0	10.5	10.0	9.5	8.9
-56.25°	13.4	12.9	12.5	12.0	11.6	11.1	10.7	10.2	9.8	9.3	8.7
-57.5°	13.0	12.6	12.1	11.7	11.3	10.9	10.4	10.0	9.6	9.0	8.4
-58.75°	12.6	12.2	11.8	11.4	11.0	10.6	10.2	9.7	9.2	8.7	8.1
-60°	12.3	11.9	11.5	11.1	10.7	10.3	9.9	9.5	8.9	8.4	7.9
-61.25°	11.9	11.5	11.2	10.8	10.4	10.0	9.6	9.1	8.6	8.1	7.6
-62.5°	11.5	11.2	10.8	10.5	10.1	9.7	9.3	8.8	8.3	7.8	7.3
-63.75°	11.2	10.8	10.5	10.1	9.8	9.4	8.9	8.5	8.0	7.5	7.0
-65°	10.8	10.5	10.1	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.7
-66.25°	10.4	10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.8	6.3
-67.5°	10.0	9.7	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.0
-68.75°	9.6	9.3	8.9	8.6	8.2	7.8	7.4	7.0	6.6	6.1	5.7
-70°	9.1	8.8	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.7	5.3
-71.25°	8.6	8.3	8.0	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0
-72.5°	8.1	7.8	7.5	7.2	6.8	6.5	6.1	5.7	5.4	5.0	4.6
-73.75°	7.6	7.3	7.0	6.7	6.3	6.0	5.7	5.3	5.0	4.6	4.3
-75°	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.2	3.9
-76.25°	6.4	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
-77.5°	5.8	5.6	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.5	3.2



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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°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.9
-80°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5
-81.25°	4.0	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.1
-82.5°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8
-83.75°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
-85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
-88.75°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	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	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
78.75°	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
77.5°	2.9	2.7	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5
76.25°	3.3	3.0	2.7	2.4	2.1	1.8	1.6	1.3	1.0	0.8	0.5
75°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
73.75°	3.9	3.6	3.2	2.9	2.5	2.1	1.8	1.5	1.2	0.9	0.6
72.5°	4.2	3.9	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
71.25°	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
70°	4.9	4.4	4.0	3.6	3.1	2.7	2.3	1.9	1.5	1.1	0.8
68.75°	5.2	4.7	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
67.5°	5.5	5.0	4.5	4.1	3.6	3.1	2.6	2.1	1.7	1.3	0.8
66.25°	5.8	5.3	4.8	4.3	3.8	3.3	2.7	2.2	1.8	1.3	0.9
65°	6.1	5.6	5.1	4.5	4.0	3.4	2.9	2.3	1.9	1.4	0.9
63.75°	6.4	5.9	5.3	4.7	4.2	3.6	3.0	2.5	1.9	1.5	1.0
62.5°	6.7	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.5	1.0
61.25°	7.0	6.4	5.8	5.2	4.6	4.0	3.3	2.7	2.1	1.6	1.1
60°	7.3	6.7	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.6	1.1
58.75°	7.6	7.0	6.3	5.6	5.0	4.3	3.6	3.0	2.3	1.7	1.1
57.5°	7.8	7.2	6.5	5.9	5.2	4.5	3.8	3.1	2.4	1.8	1.2
56.25°	8.1	7.5	6.8	6.1	5.4	4.6	3.9	3.2	2.5	1.8	1.2
55°	8.3	7.7	7.0	6.3	5.5	4.8	4.1	3.3	2.6	1.9	1.3
53.75°	8.5	7.9	7.2	6.5	5.7	5.0	4.2	3.4	2.7	2.0	1.3
52.5°	8.8	8.1	7.5	6.7	5.9	5.1	4.3	3.6	2.8	2.0	1.3
51.25°	9.0	8.3	7.7	6.9	6.1	5.3	4.5	3.7	2.9	2.1	1.4
50°	9.2	8.5	7.8	7.1	6.3	5.4	4.6	3.8	2.9	2.1	1.4
48.75°	9.4	8.7	8.0	7.3	6.4	5.6	4.7	3.9	3.0	2.2	1.5
47.5°	9.6	8.9	8.2	7.5	6.6	5.7	4.9	4.0	3.1	2.2	1.5
46.25°	9.8	9.1	8.4	7.6	6.8	5.9	5.0	4.1	3.2	2.3	1.5
45°	10.0	9.3	8.5	7.8	6.9	6.0	5.1	4.2	3.3	2.4	1.6
43.75°	10.1	9.5	8.7	7.9	7.1	6.2	5.2	4.3	3.4	2.4	1.6
42.5°	10.3	9.7	8.9	8.1	7.2	6.3	5.3	4.4	3.4	2.5	1.6
41.25°	10.4	9.8	9.0	8.2	7.4	6.4	5.5	4.5	3.5	2.5	1.7
40°	10.6	9.9	9.2	8.4	7.5	6.6	5.6	4.6	3.6	2.6	1.7
38.75°	10.7	10.1	9.4	8.5	7.6	6.7	5.7	4.7	3.7	2.6	1.7
37.5°	10.9	10.2	9.5	8.6	7.8	6.8	5.8	4.8	3.7	2.7	1.7
36.25°	11.0	10.3	9.6	8.8	7.9	6.9	5.9	4.8	3.8	2.7	1.8
35°	11.1	10.4	9.7	8.9	8.0	7.0	6.0	4.9	3.9	2.8	1.8



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°
33.75°	11.3	10.6	9.8	9.0	8.1	7.2	6.1	5.0	3.9	2.8	1.8
32.5°	11.4	10.7	10.0	9.1	8.2	7.3	6.2	5.1	4.0	2.9	1.9
31.25°	11.5	10.8	10.1	9.2	8.3	7.4	6.3	5.2	4.0	2.9	1.9
30°	11.6	10.9	10.1	9.4	8.4	7.5	6.4	5.2	4.1	3.0	1.9
28.75°	11.7	11.0	10.2	9.5	8.5	7.5	6.4	5.3	4.2	3.0	1.9
27.5°	11.8	11.1	10.3	9.6	8.6	7.6	6.5	5.4	4.2	3.1	2.0
26.25°	11.9	11.2	10.4	9.7	8.7	7.7	6.6	5.4	4.3	3.1	2.0
25°	12.0	11.3	10.5	9.7	8.8	7.8	6.7	5.5	4.3	3.1	2.0
23.75°	12.1	11.3	10.6	9.8	8.8	7.8	6.7	5.5	4.4	3.2	2.0
22.5°	12.2	11.4	10.6	9.9	8.9	7.9	6.8	5.6	4.4	3.2	2.0
21.25°	12.3	11.5	10.7	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.1
20°	12.4	11.6	10.8	10.0	9.1	8.0	6.9	5.7	4.5	3.3	2.1
18.75°	12.4	11.6	10.8	10.0	9.1	8.1	7.0	5.8	4.5	3.3	2.1
17.5°	12.5	11.7	10.9	10.1	9.2	8.1	7.0	5.8	4.6	3.3	2.1
16.25°	12.6	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.1
15°	12.6	11.8	11.0	10.2	9.3	8.2	7.1	5.9	4.6	3.4	2.1
13.75°	12.7	11.9	11.1	10.2	9.3	8.3	7.2	5.9	4.7	3.4	2.1
12.5°	12.8	11.9	11.1	10.3	9.4	8.3	7.2	5.9	4.7	3.4	2.1
11.25°	12.8	12.0	11.1	10.3	9.4	8.4	7.2	6.0	4.7	3.4	2.2
10°	12.8	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.2
8.75°	12.9	12.0	11.2	10.4	9.5	8.4	7.3	6.0	4.7	3.5	2.2
7.5°	12.9	12.1	11.2	10.4	9.5	8.4	7.3	6.0	4.8	3.5	2.2
6.25°	12.9	12.1	11.2	10.4	9.5	8.5	7.4	6.1	4.8	3.5	2.2
5°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
3.75°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
2.5°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
1.25°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
0°	13.0	12.2	11.3	10.5	9.6	8.5	7.4	6.1	4.8	3.5	2.2
-1.25°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
-2.5°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
-3.75°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
-5°	13.0	12.1	11.3	10.4	9.6	8.5	7.4	6.1	4.8	3.5	2.2
-6.25°	12.9	12.1	11.2	10.4	9.5	8.5	7.4	6.1	4.8	3.5	2.2
-7.5°	12.9	12.1	11.2	10.4	9.5	8.4	7.3	6.0	4.8	3.5	2.2
-8.75°	12.9	12.0	11.2	10.4	9.5	8.4	7.3	6.0	4.7	3.5	2.2
-10°	12.8	12.0	11.2	10.3	9.5	8.4	7.3	6.0	4.7	3.4	2.2
-11.25°	12.8	12.0	11.1	10.3	9.4	8.4	7.2	6.0	4.7	3.4	2.2
-12.5°	12.8	11.9	11.1	10.3	9.4	8.3	7.2	5.9	4.7	3.4	2.1
-13.75°	12.7	11.9	11.1	10.2	9.3	8.3	7.2	5.9	4.7	3.4	2.1
-15°	12.6	11.8	11.0	10.2	9.3	8.2	7.1	5.9	4.6	3.4	2.1
-16.25°	12.6	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.1
-17.5°	12.5	11.7	10.9	10.1	9.2	8.1	7.0	5.8	4.6	3.3	2.1
-18.75°	12.4	11.6	10.8	10.0	9.1	8.1	7.0	5.8	4.5	3.3	2.1
-20°	12.4	11.6	10.8	10.0	9.1	8.0	6.9	5.7	4.5	3.3	2.1
-21.25°	12.3	11.5	10.7	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.1





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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°	12.2	11.4	10.6	9.9	8.9	7.9	6.8	5.6	4.4	3.2	2.0
-23.75°	12.1	11.3	10.6	9.8	8.8	7.8	6.7	5.5	4.4	3.2	2.0
-25°	12.0	11.3	10.5	9.7	8.8	7.8	6.7	5.5	4.3	3.1	2.0
-26.25°	11.9	11.2	10.4	9.7	8.7	7.7	6.6	5.4	4.3	3.1	2.0
-27.5°	11.8	11.1	10.3	9.6	8.6	7.6	6.5	5.4	4.2	3.1	2.0
-28.75°	11.7	11.0	10.2	9.5	8.5	7.5	6.4	5.3	4.2	3.0	1.9
-30°	11.6	10.9	10.1	9.4	8.4	7.5	6.4	5.2	4.1	3.0	1.9
-31.25°	11.5	10.8	10.1	9.2	8.3	7.4	6.3	5.2	4.0	2.9	1.9
-32.5°	11.4	10.7	10.0	9.1	8.2	7.3	6.2	5.1	4.0	2.9	1.9
-33.75°	11.3	10.6	9.8	9.0	8.1	7.2	6.1	5.0	3.9	2.8	1.8
-35°	11.1	10.4	9.7	8.9	8.0	7.0	6.0	4.9	3.9	2.8	1.8
-36.25°	11.0	10.3	9.6	8.8	7.9	6.9	5.9	4.8	3.8	2.7	1.8
-37.5°	10.9	10.2	9.5	8.6	7.8	6.8	5.8	4.8	3.7	2.7	1.7
-38.75°	10.7	10.1	9.4	8.5	7.6	6.7	5.7	4.7	3.7	2.6	1.7
-40°	10.6	9.9	9.2	8.4	7.5	6.6	5.6	4.6	3.6	2.6	1.7
-41.25°	10.4	9.8	9.0	8.2	7.4	6.4	5.5	4.5	3.5	2.5	1.7
-42.5°	10.3	9.7	8.9	8.1	7.2	6.3	5.3	4.4	3.4	2.5	1.6
-43.75°	10.1	9.5	8.7	7.9	7.1	6.2	5.2	4.3	3.4	2.4	1.6
-45°	10.0	9.3	8.5	7.8	6.9	6.0	5.1	4.2	3.3	2.4	1.6
-46.25°	9.8	9.1	8.4	7.6	6.8	5.9	5.0	4.1	3.2	2.3	1.5
-47.5°	9.6	8.9	8.2	7.5	6.6	5.7	4.9	4.0	3.1	2.2	1.5
-48.75°	9.4	8.7	8.0	7.3	6.4	5.6	4.7	3.9	3.0	2.2	1.5
-50°	9.2	8.5	7.8	7.1	6.3	5.4	4.6	3.8	2.9	2.1	1.4
-51.25°	9.0	8.3	7.7	6.9	6.1	5.3	4.5	3.7	2.9	2.1	1.4
-52.5°	8.8	8.1	7.5	6.7	5.9	5.1	4.3	3.6	2.8	2.0	1.3
-53.75°	8.5	7.9	7.2	6.5	5.7	5.0	4.2	3.4	2.7	2.0	1.3
-55°	8.3	7.7	7.0	6.3	5.5	4.8	4.1	3.3	2.6	1.9	1.3
-56.25°	8.1	7.5	6.8	6.1	5.4	4.6	3.9	3.2	2.5	1.8	1.2
-57.5°	7.8	7.2	6.5	5.9	5.2	4.5	3.8	3.1	2.4	1.8	1.2
-58.75°	7.6	7.0	6.3	5.6	5.0	4.3	3.6	3.0	2.3	1.7	1.1
-60°	7.3	6.7	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.6	1.1
-61.25°	7.0	6.4	5.8	5.2	4.6	4.0	3.3	2.7	2.1	1.6	1.1
-62.5°	6.7	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.5	1.0
-63.75°	6.4	5.9	5.3	4.7	4.2	3.6	3.0	2.5	1.9	1.5	1.0
-65°	6.1	5.6	5.1	4.5	4.0	3.4	2.9	2.3	1.9	1.4	0.9
-66.25°	5.8	5.3	4.8	4.3	3.8	3.3	2.7	2.2	1.8	1.3	0.9
-67.5°	5.5	5.0	4.5	4.1	3.6	3.1	2.6	2.1	1.7	1.3	0.8
-68.75°	5.2	4.7	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
-70°	4.9	4.4	4.0	3.6	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-71.25°	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
-72.5°	4.2	3.9	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
-73.75°	3.9	3.6	3.2	2.9	2.5	2.1	1.8	1.5	1.2	0.9	0.6
-75°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-76.25°	3.3	3.0	2.7	2.4	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-77.5°	2.9	2.7	2.4	2.1	1.9	1.7	1.4	1.2	1.0	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°	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
-81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
-83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
-87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-88.75°	0.3	0.3	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°	0.3	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.3	0.0
71.25°	0.4	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°	0.5	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°	0.6	0.0
57.5°	0.6	0.0
56.25°	0.6	0.0
55°	0.6	0.0
53.75°	0.7	0.0
52.5°	0.7	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°	0.8	0.0
45°	0.8	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°	0.9	0.0
37.5°	0.9	0.0
36.25°	0.9	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°	1.0	0.0
28.75°	1.0	0.0
27.5°	1.0	0.0
26.25°	1.0	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°	1.1	0.0
15°	1.1	0.0
13.75°	1.1	0.0
12.5°	1.1	0.0
11.25°	1.1	0.0
10°	1.1	0.0
8.75°	1.1	0.0
7.5°	1.1	0.0
6.25°	1.1	0.0
5°	1.1	0.0
3.75°	1.1	0.0
2.5°	1.1	0.0
1.25°	1.1	0.0
0°	1.1	0.0
-1.25°	1.1	0.0
-2.5°	1.1	0.0
-3.75°	1.1	0.0
-5°	1.1	0.0
-6.25°	1.1	0.0
-7.5°	1.1	0.0
-8.75°	1.1	0.0
-10°	1.1	0.0
-11.25°	1.1	0.0
-12.5°	1.1	0.0
-13.75°	1.1	0.0
-15°	1.1	0.0
-16.25°	1.1	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: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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°	1.0	0.0
-27.5°	1.0	0.0
-28.75°	1.0	0.0
-30°	1.0	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°	0.9	0.0
-37.5°	0.9	0.0
-38.75°	0.9	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°	0.8	0.0
-46.25°	0.8	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°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.6	0.0
-56.25°	0.6	0.0
-57.5°	0.6	0.0
-58.75°	0.6	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°	0.5	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°	0.4	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220491 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-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)