

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: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

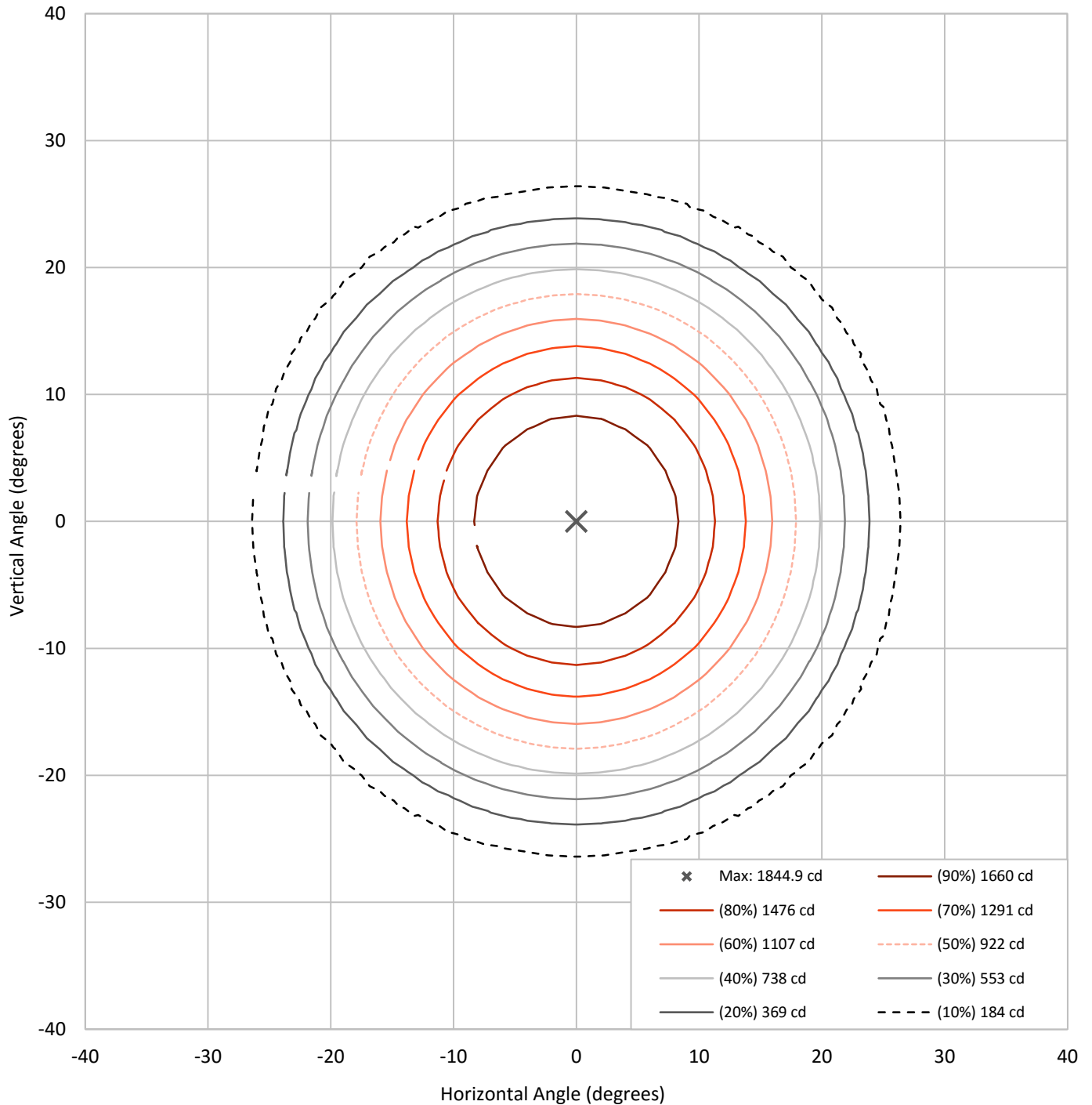
Test Method: LM-79-08  
Report Number: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	718.3 lumens	Max Intensity:	1844.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	73.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	422.3 lumens	Field Lumens:	599.9 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
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





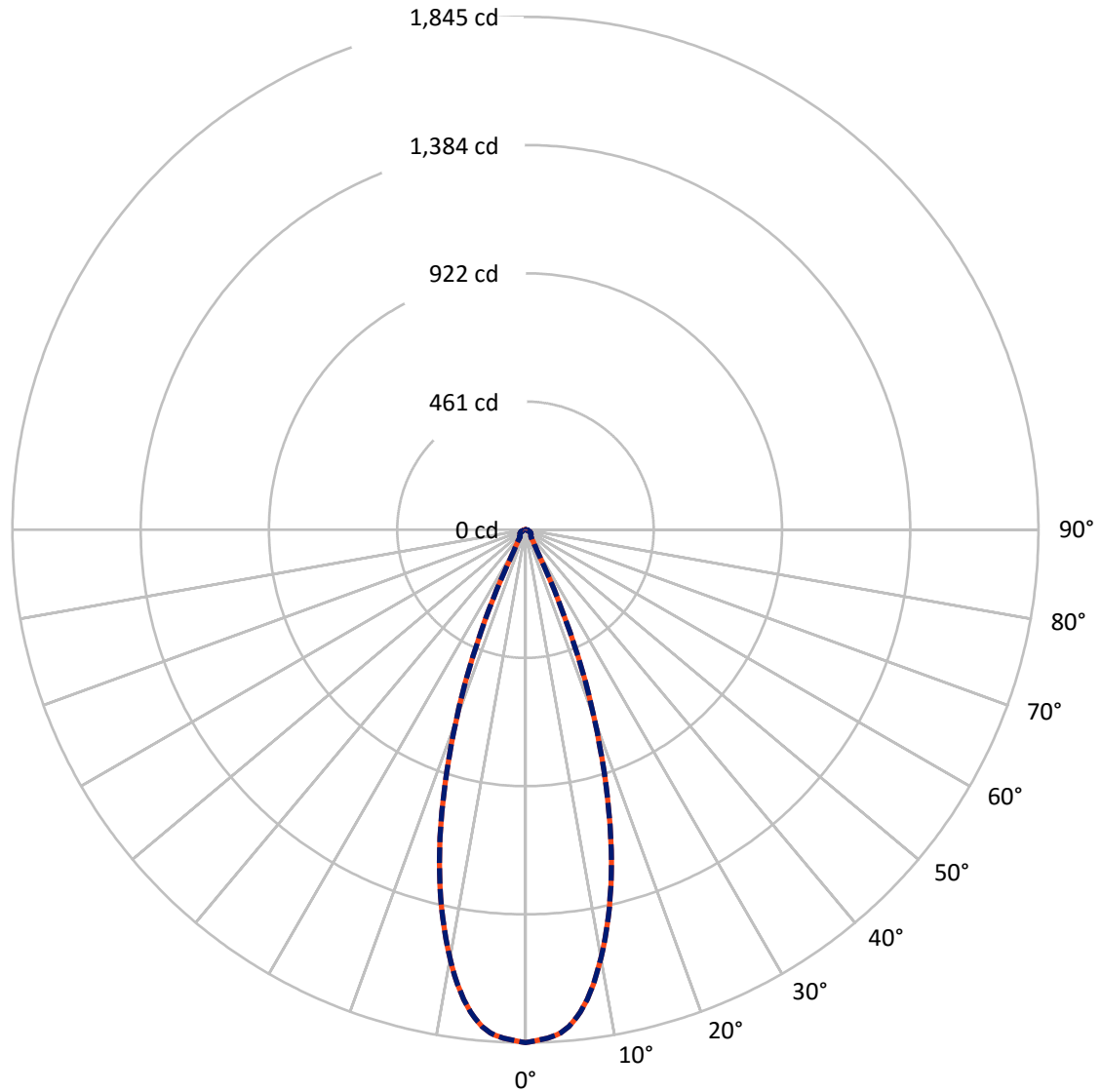
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### Lumen Table

90	0.0	0.2	0.4	0.6	0.6	0.6	0.4	0.2	0.0							
80	0.0	0.2	0.4	0.6	0.6	0.6	0.4	0.2	0.0							
70	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	0.1
60		0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	
50	0.1	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.1	0.1
40		0.2	0.3	0.5	0.7	0.8	1.0	1.3	1.3	1.0	0.8	0.7	0.5	0.3	0.2	
30	0.1	0.2	0.4	0.6	0.7	1.2	3.6	8.5	8.5	3.6	1.2	0.7	0.6	0.4	0.2	0.1
20		0.2	0.4	0.6	0.9	3.4	18.1	32.9	32.9	18.1	3.4	0.9	0.6	0.4	0.2	
10	0.1	0.2	0.4	0.6	1.1	7.8	32.0	50.5	50.5	32.0	7.8	1.1	0.6	0.4	0.2	0.1
0		0.2	0.4	0.6	1.1	7.8	32.0	50.5	50.5	32.0	7.8	1.1	0.6	0.4	0.2	
-10	0.1	0.2	0.4	0.6	1.1	7.8	32.0	50.5	50.5	32.0	7.8	1.1	0.6	0.4	0.2	0.1
-20		0.2	0.4	0.6	0.9	3.4	18.1	32.9	32.9	18.1	3.4	0.9	0.6	0.4	0.2	
-30	0.1	0.2	0.4	0.6	0.7	1.2	3.6	8.5	8.5	3.6	1.2	0.7	0.6	0.4	0.2	0.1
-40		0.2	0.3	0.5	0.7	0.8	1.0	1.3	1.3	1.0	0.8	0.7	0.5	0.3	0.2	
-50	0.1	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.4	0.3	0.1	0.1
-60		0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	
-70	0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.3	0.2	0.1	0.1
-80		0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.1	
-90	0.0	0.2	0.4	0.6	0.6	0.6	0.4	0.2	0.0							

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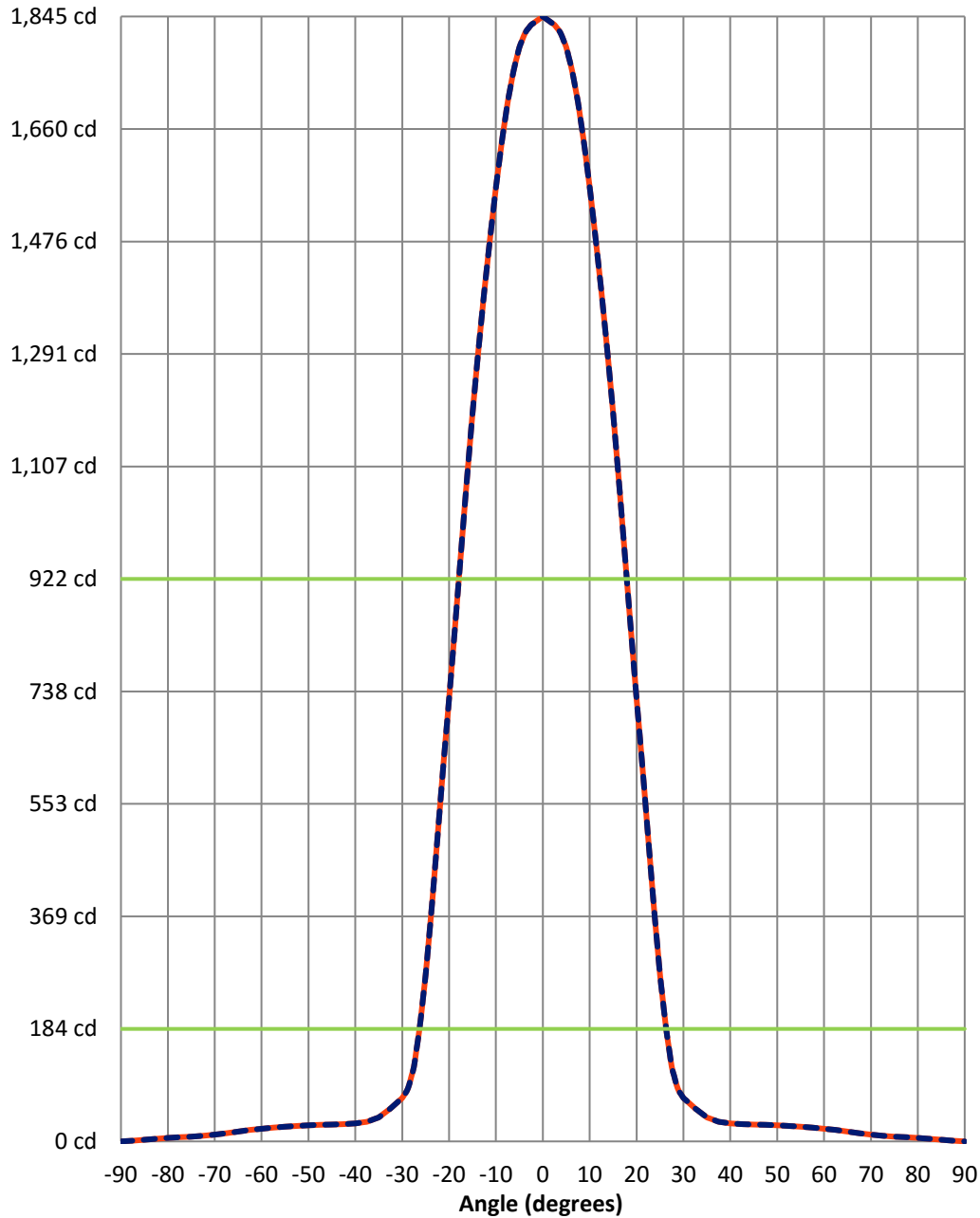
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 35.8°  
V Angle: 35.8°  
Lumens: 422.3  
Efficiency: 58.8%

**Field:**  
H Angle: 52.6°  
V Angle: 52.6°  
Lumens: 599.9  
Efficiency: 83.5%

**Spill:**  
Lumens: 118.4  
Efficiency: 16.5%

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



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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	0.5	0.9	1.5	2.2	2.8	3.4	4.1	4.7	5.3	5.9
32.5°	0.0	0.5	0.9	1.5	2.2	2.9	3.5	4.1	4.8	5.4	5.9
31.25°	0.0	0.5	0.9	1.6	2.2	2.9	3.5	4.2	4.8	5.5	6.0
30°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.2	4.9	5.5	6.1
28.75°	0.0	0.5	1.0	1.6	2.3	3.0	3.6	4.3	5.0	5.6	6.2
27.5°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.4	5.0	5.7	6.2
26.25°	0.0	0.5	1.0	1.7	2.4	3.1	3.7	4.4	5.1	5.7	6.3
25°	0.0	0.5	1.0	1.7	2.4	3.1	3.8	4.5	5.1	5.8	6.3
23.75°	0.0	0.5	1.0	1.7	2.4	3.1	3.8	4.5	5.2	5.8	6.4
22.5°	0.0	0.5	1.0	1.7	2.5	3.2	3.9	4.5	5.2	5.9	6.4
21.25°	0.0	0.5	1.0	1.7	2.5	3.2	3.9	4.6	5.3	5.9	6.5
20°	0.0	0.5	1.0	1.8	2.5	3.2	3.9	4.6	5.3	6.0	6.5
18.75°	0.0	0.5	1.0	1.8	2.5	3.3	4.0	4.7	5.4	6.0	6.6
17.5°	0.0	0.5	1.0	1.8	2.6	3.3	4.0	4.7	5.4	6.0	6.6
16.25°	0.0	0.5	1.1	1.8	2.6	3.3	4.0	4.7	5.5	6.1	6.7
15°	0.0	0.5	1.1	1.8	2.6	3.3	4.0	4.8	5.5	6.1	6.7
13.75°	0.0	0.5	1.1	1.8	2.6	3.3	4.1	4.8	5.5	6.1	6.7
12.5°	0.0	0.5	1.1	1.8	2.6	3.4	4.1	4.8	5.6	6.2	6.8
11.25°	0.0	0.5	1.1	1.9	2.6	3.4	4.1	4.8	5.6	6.2	6.8
10°	0.0	0.5	1.1	1.9	2.7	3.4	4.1	4.9	5.6	6.2	6.8
8.75°	0.0	0.5	1.1	1.9	2.7	3.4	4.1	4.9	5.6	6.2	6.8
7.5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.6	6.3	6.8
6.25°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
3.75°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
2.5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
1.25°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
0°	0.0	0.5	1.1	1.9	2.7	3.5	4.2	5.0	5.7	6.3	6.9
-1.25°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
-2.5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
-3.75°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
-5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
-6.25°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.3	6.9
-7.5°	0.0	0.5	1.1	1.9	2.7	3.4	4.2	4.9	5.6	6.3	6.8
-8.75°	0.0	0.5	1.1	1.9	2.7	3.4	4.1	4.9	5.6	6.2	6.8
-10°	0.0	0.5	1.1	1.9	2.7	3.4	4.1	4.9	5.6	6.2	6.8
-11.25°	0.0	0.5	1.1	1.9	2.6	3.4	4.1	4.8	5.6	6.2	6.8
-12.5°	0.0	0.5	1.1	1.8	2.6	3.4	4.1	4.8	5.6	6.2	6.8
-13.75°	0.0	0.5	1.1	1.8	2.6	3.3	4.1	4.8	5.5	6.1	6.7
-15°	0.0	0.5	1.1	1.8	2.6	3.3	4.0	4.8	5.5	6.1	6.7
-16.25°	0.0	0.5	1.1	1.8	2.6	3.3	4.0	4.7	5.5	6.1	6.7
-17.5°	0.0	0.5	1.0	1.8	2.6	3.3	4.0	4.7	5.4	6.0	6.6
-18.75°	0.0	0.5	1.0	1.8	2.5	3.3	4.0	4.7	5.4	6.0	6.6
-20°	0.0	0.5	1.0	1.8	2.5	3.2	3.9	4.6	5.3	6.0	6.5
-21.25°	0.0	0.5	1.0	1.7	2.5	3.2	3.9	4.6	5.3	5.9	6.5





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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.5	1.0	1.7	2.5	3.2	3.9	4.5	5.2	5.9	6.4
-23.75°	0.0	0.5	1.0	1.7	2.4	3.1	3.8	4.5	5.2	5.8	6.4
-25°	0.0	0.5	1.0	1.7	2.4	3.1	3.8	4.5	5.1	5.8	6.3
-26.25°	0.0	0.5	1.0	1.7	2.4	3.1	3.7	4.4	5.1	5.7	6.3
-27.5°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.4	5.0	5.7	6.2
-28.75°	0.0	0.5	1.0	1.6	2.3	3.0	3.6	4.3	5.0	5.6	6.2
-30°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.2	4.9	5.5	6.1
-31.25°	0.0	0.5	0.9	1.6	2.2	2.9	3.5	4.2	4.8	5.5	6.0
-32.5°	0.0	0.5	0.9	1.5	2.2	2.9	3.5	4.1	4.8	5.4	5.9
-33.75°	0.0	0.5	0.9	1.5	2.2	2.8	3.4	4.1	4.7	5.3	5.9
-35°	0.0	0.5	0.9	1.5	2.1	2.8	3.4	4.0	4.6	5.2	5.8
-36.25°	0.0	0.4	0.9	1.4	2.1	2.7	3.3	3.9	4.5	5.1	5.7
-37.5°	0.0	0.4	0.9	1.4	2.0	2.7	3.3	3.9	4.5	5.0	5.6
-38.75°	0.0	0.4	0.9	1.4	2.0	2.6	3.2	3.8	4.4	5.0	5.5
-40°	0.0	0.4	0.8	1.3	2.0	2.6	3.1	3.7	4.3	4.9	5.4
-41.25°	0.0	0.4	0.8	1.3	1.9	2.5	3.1	3.6	4.2	4.8	5.3
-42.5°	0.0	0.4	0.8	1.3	1.9	2.4	3.0	3.6	4.1	4.7	5.2
-43.75°	0.0	0.4	0.8	1.2	1.8	2.4	2.9	3.5	4.0	4.6	5.1
-45°	0.0	0.4	0.8	1.2	1.8	2.3	2.9	3.4	3.9	4.5	5.0
-46.25°	0.0	0.4	0.8	1.2	1.7	2.3	2.8	3.3	3.8	4.4	4.9
-47.5°	0.0	0.4	0.7	1.1	1.7	2.2	2.7	3.2	3.7	4.2	4.7
-48.75°	0.0	0.4	0.7	1.1	1.6	2.1	2.7	3.2	3.6	4.1	4.6
-50°	0.0	0.4	0.7	1.1	1.6	2.1	2.6	3.1	3.5	4.0	4.5
-51.25°	0.0	0.3	0.7	1.0	1.5	2.0	2.5	3.0	3.4	3.9	4.4
-52.5°	0.0	0.3	0.7	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2
-53.75°	0.0	0.3	0.7	1.0	1.4	1.9	2.3	2.8	3.2	3.7	4.1
-55°	0.0	0.3	0.6	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0
-56.25°	0.0	0.3	0.6	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.8
-57.5°	0.0	0.3	0.6	0.9	1.2	1.6	2.1	2.5	2.9	3.3	3.7
-58.75°	0.0	0.3	0.6	0.9	1.2	1.6	2.0	2.4	2.8	3.2	3.6
-60°	0.0	0.3	0.5	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4
-61.25°	0.0	0.3	0.5	0.8	1.1	1.4	1.8	2.2	2.6	2.9	3.3
-62.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.7	2.1	2.4	2.8	3.1
-63.75°	0.0	0.2	0.5	0.7	1.0	1.3	1.6	2.0	2.3	2.7	3.0
-65°	0.0	0.2	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.5	2.8
-66.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.7	2.1	2.4	2.7
-67.5°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.6	1.9	2.2	2.5
-68.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.8	2.1	2.4
-70°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.4	1.7	1.9	2.2
-71.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.1
-72.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.7	1.9
-73.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.5	1.7
-75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.4	1.6
-76.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.4
-77.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1
-80°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9
-81.25°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.7	0.8
-82.5°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-83.75°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-85°	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	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
86.25°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
85°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
83.75°	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3
82.5°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
81.25°	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0
80°	1.0	1.1	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3
78.75°	1.2	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.4	2.5	2.7
77.5°	1.4	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0
76.25°	1.6	1.8	1.9	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.3
75°	1.8	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.5	3.6
73.75°	1.9	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
72.5°	2.1	2.4	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3
71.25°	2.3	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.2	4.4	4.6
70°	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.9
68.75°	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2
67.5°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3	5.5
66.25°	3.0	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.6	5.8
65°	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.8	6.1
63.75°	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.3
62.5°	3.5	3.8	4.2	4.5	4.8	5.2	5.5	5.8	6.0	6.3	6.6
61.25°	3.6	4.0	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.5	6.8
60°	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.0
58.75°	3.9	4.3	4.7	5.1	5.5	5.8	6.1	6.4	6.7	7.0	7.1
57.5°	4.1	4.5	4.9	5.3	5.7	6.0	6.3	6.6	6.9	7.1	7.3
56.25°	4.3	4.7	5.1	5.5	5.8	6.2	6.5	6.8	7.0	7.2	7.5
55°	4.4	4.8	5.2	5.7	6.0	6.3	6.7	7.0	7.2	7.4	7.6
53.75°	4.5	5.0	5.4	5.8	6.2	6.5	6.8	7.1	7.3	7.5	7.8
52.5°	4.7	5.1	5.6	6.0	6.3	6.7	7.0	7.2	7.4	7.7	8.1
51.25°	4.8	5.3	5.7	6.1	6.5	6.8	7.1	7.3	7.6	7.9	8.3
50°	5.0	5.4	5.9	6.2	6.6	7.0	7.2	7.5	7.7	8.2	8.6
48.75°	5.1	5.6	6.0	6.4	6.8	7.1	7.3	7.6	7.9	8.4	8.9
47.5°	5.2	5.7	6.1	6.5	6.9	7.2	7.4	7.7	8.2	8.7	9.1
46.25°	5.4	5.8	6.3	6.7	7.0	7.3	7.5	7.9	8.4	8.9	9.4
45°	5.5	6.0	6.4	6.8	7.1	7.4	7.7	8.1	8.6	9.1	9.8
43.75°	5.6	6.1	6.5	6.9	7.2	7.5	7.8	8.3	8.8	9.4	10.1
42.5°	5.7	6.2	6.6	7.0	7.3	7.6	8.0	8.5	9.1	9.7	10.4
41.25°	5.8	6.3	6.7	7.1	7.4	7.7	8.2	8.7	9.3	10.0	10.7
40°	5.9	6.4	6.8	7.2	7.5	7.8	8.4	8.9	9.6	10.3	11.0
38.75°	6.0	6.5	6.9	7.2	7.5	8.0	8.6	9.1	9.8	10.5	11.3
37.5°	6.1	6.6	7.0	7.3	7.6	8.1	8.7	9.3	10.1	10.8	11.6
36.25°	6.2	6.7	7.1	7.4	7.7	8.3	8.9	9.6	10.3	11.0	11.9
35°	6.3	6.8	7.1	7.5	7.9	8.5	9.1	9.8	10.5	11.3	12.2



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	6.4	6.9	7.2	7.5	8.0	8.6	9.2	10.0	10.8	11.6	12.6
32.5°	6.5	6.9	7.3	7.6	8.1	8.8	9.4	10.2	11.0	11.9	12.8
31.25°	6.5	7.0	7.3	7.7	8.3	8.9	9.6	10.4	11.2	12.2	13.1
30°	6.6	7.0	7.4	7.8	8.4	9.0	9.8	10.6	11.5	12.5	13.4
28.75°	6.7	7.1	7.4	7.9	8.5	9.2	10.0	10.8	11.7	12.7	13.7
27.5°	6.7	7.1	7.5	8.0	8.6	9.3	10.2	11.0	12.0	13.0	14.0
26.25°	6.8	7.2	7.6	8.1	8.8	9.5	10.3	11.2	12.2	13.2	14.3
25°	6.9	7.2	7.6	8.2	8.9	9.6	10.5	11.4	12.4	13.4	14.6
23.75°	6.9	7.3	7.6	8.3	9.0	9.8	10.6	11.6	12.6	13.7	14.9
22.5°	7.0	7.3	7.7	8.4	9.1	9.9	10.8	11.7	12.8	13.9	15.1
21.25°	7.0	7.4	7.8	8.5	9.2	10.0	10.9	11.9	13.0	14.2	15.4
20°	7.0	7.4	7.8	8.5	9.3	10.1	11.0	12.1	13.2	14.4	15.6
18.75°	7.1	7.4	7.9	8.6	9.4	10.3	11.2	12.2	13.3	14.6	15.8
17.5°	7.1	7.5	8.0	8.7	9.5	10.4	11.3	12.4	13.5	14.8	16.0
16.25°	7.1	7.5	8.1	8.8	9.6	10.5	11.4	12.5	13.7	15.0	16.2
15°	7.1	7.5	8.1	8.8	9.6	10.6	11.6	12.7	13.8	15.1	16.4
13.75°	7.2	7.6	8.2	8.9	9.7	10.6	11.7	12.8	14.0	15.3	16.6
12.5°	7.2	7.6	8.2	8.9	9.8	10.7	11.8	12.9	14.1	15.4	16.7
11.25°	7.2	7.6	8.3	9.0	9.9	10.8	11.9	13.0	14.2	15.5	16.9
10°	7.2	7.6	8.3	9.0	9.9	10.9	11.9	13.1	14.3	15.7	17.0
8.75°	7.2	7.6	8.3	9.1	10.0	10.9	12.0	13.1	14.4	15.8	17.1
7.5°	7.3	7.7	8.4	9.1	10.0	11.0	12.1	13.2	14.5	15.9	17.2
6.25°	7.3	7.7	8.4	9.1	10.1	11.0	12.1	13.3	14.6	15.9	17.3
5°	7.3	7.7	8.4	9.2	10.1	11.0	12.2	13.3	14.6	16.0	17.3
3.75°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.0	17.4
2.5°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.1	17.4
1.25°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.1	17.4
0°	7.3	7.7	8.5	9.2	10.2	11.1	12.3	13.4	14.8	16.1	17.5
-1.25°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.1	17.4
-2.5°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.1	17.4
-3.75°	7.3	7.7	8.4	9.2	10.1	11.1	12.2	13.4	14.7	16.0	17.4
-5°	7.3	7.7	8.4	9.2	10.1	11.0	12.2	13.3	14.6	16.0	17.3
-6.25°	7.3	7.7	8.4	9.1	10.1	11.0	12.1	13.3	14.6	15.9	17.3
-7.5°	7.3	7.7	8.4	9.1	10.0	11.0	12.1	13.2	14.5	15.9	17.2
-8.75°	7.2	7.6	8.3	9.1	10.0	10.9	12.0	13.1	14.4	15.8	17.1
-10°	7.2	7.6	8.3	9.0	9.9	10.9	11.9	13.1	14.3	15.7	17.0
-11.25°	7.2	7.6	8.3	9.0	9.9	10.8	11.9	13.0	14.2	15.5	16.9
-12.5°	7.2	7.6	8.2	8.9	9.8	10.7	11.8	12.9	14.1	15.4	16.7
-13.75°	7.2	7.6	8.2	8.9	9.7	10.6	11.7	12.8	14.0	15.3	16.6
-15°	7.1	7.5	8.1	8.8	9.6	10.6	11.6	12.7	13.8	15.1	16.4
-16.25°	7.1	7.5	8.1	8.8	9.6	10.5	11.4	12.5	13.7	15.0	16.2
-17.5°	7.1	7.5	8.0	8.7	9.5	10.4	11.3	12.4	13.5	14.8	16.0
-18.75°	7.1	7.4	7.9	8.6	9.4	10.3	11.2	12.2	13.3	14.6	15.8
-20°	7.0	7.4	7.8	8.5	9.3	10.1	11.0	12.1	13.2	14.4	15.6
-21.25°	7.0	7.4	7.8	8.5	9.2	10.0	10.9	11.9	13.0	14.2	15.4



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	7.0	7.3	7.7	8.4	9.1	9.9	10.8	11.7	12.8	13.9	15.1
-23.75°	6.9	7.3	7.6	8.3	9.0	9.8	10.6	11.6	12.6	13.7	14.9
-25°	6.9	7.2	7.6	8.2	8.9	9.6	10.5	11.4	12.4	13.4	14.6
-26.25°	6.8	7.2	7.6	8.1	8.8	9.5	10.3	11.2	12.2	13.2	14.3
-27.5°	6.7	7.1	7.5	8.0	8.6	9.3	10.2	11.0	12.0	13.0	14.0
-28.75°	6.7	7.1	7.4	7.9	8.5	9.2	10.0	10.8	11.7	12.7	13.7
-30°	6.6	7.0	7.4	7.8	8.4	9.0	9.8	10.6	11.5	12.5	13.4
-31.25°	6.5	7.0	7.3	7.7	8.3	8.9	9.6	10.4	11.2	12.2	13.1
-32.5°	6.5	6.9	7.3	7.6	8.1	8.8	9.4	10.2	11.0	11.9	12.8
-33.75°	6.4	6.9	7.2	7.5	8.0	8.6	9.2	10.0	10.8	11.6	12.6
-35°	6.3	6.8	7.1	7.5	7.9	8.5	9.1	9.8	10.5	11.3	12.2
-36.25°	6.2	6.7	7.1	7.4	7.7	8.3	8.9	9.6	10.3	11.0	11.9
-37.5°	6.1	6.6	7.0	7.3	7.6	8.1	8.7	9.3	10.1	10.8	11.6
-38.75°	6.0	6.5	6.9	7.2	7.5	8.0	8.6	9.1	9.8	10.5	11.3
-40°	5.9	6.4	6.8	7.2	7.5	7.8	8.4	8.9	9.6	10.3	11.0
-41.25°	5.8	6.3	6.7	7.1	7.4	7.7	8.2	8.7	9.3	10.0	10.7
-42.5°	5.7	6.2	6.6	7.0	7.3	7.6	8.0	8.5	9.1	9.7	10.4
-43.75°	5.6	6.1	6.5	6.9	7.2	7.5	7.8	8.3	8.8	9.4	10.1
-45°	5.5	6.0	6.4	6.8	7.1	7.4	7.7	8.1	8.6	9.1	9.8
-46.25°	5.4	5.8	6.3	6.7	7.0	7.3	7.5	7.9	8.4	8.9	9.4
-47.5°	5.2	5.7	6.1	6.5	6.9	7.2	7.4	7.7	8.2	8.7	9.1
-48.75°	5.1	5.6	6.0	6.4	6.8	7.1	7.3	7.6	7.9	8.4	8.9
-50°	5.0	5.4	5.9	6.2	6.6	7.0	7.2	7.5	7.7	8.2	8.6
-51.25°	4.8	5.3	5.7	6.1	6.5	6.8	7.1	7.3	7.6	7.9	8.3
-52.5°	4.7	5.1	5.6	6.0	6.3	6.7	7.0	7.2	7.4	7.7	8.1
-53.75°	4.5	5.0	5.4	5.8	6.2	6.5	6.8	7.1	7.3	7.5	7.8
-55°	4.4	4.8	5.2	5.7	6.0	6.3	6.7	7.0	7.2	7.4	7.6
-56.25°	4.3	4.7	5.1	5.5	5.8	6.2	6.5	6.8	7.0	7.2	7.5
-57.5°	4.1	4.5	4.9	5.3	5.7	6.0	6.3	6.6	6.9	7.1	7.3
-58.75°	3.9	4.3	4.7	5.1	5.5	5.8	6.1	6.4	6.7	7.0	7.1
-60°	3.8	4.2	4.5	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.0
-61.25°	3.6	4.0	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.5	6.8
-62.5°	3.5	3.8	4.2	4.5	4.8	5.2	5.5	5.8	6.0	6.3	6.6
-63.75°	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.3
-65°	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.8	6.1
-66.25°	3.0	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.6	5.8
-67.5°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3	5.5
-68.75°	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2
-70°	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.7	4.9
-71.25°	2.3	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.2	4.4	4.6
-72.5°	2.1	2.4	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3
-73.75°	1.9	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0
-75°	1.8	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.5	3.6
-76.25°	1.6	1.8	1.9	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.3
-77.5°	1.4	1.6	1.7	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0



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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°
-78.75°	1.2	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.4	2.5	2.7
-80°	1.0	1.1	1.3	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3
-81.25°	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0
-82.5°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.4	1.5	1.6
-83.75°	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3
-85°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
-86.25°	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7
-87.5°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
-88.75°	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1
85°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.6
83.75°	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	1.9	2.0	2.1
82.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.6
81.25°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
80°	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
78.75°	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0
77.5°	3.1	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5
76.25°	3.5	3.6	3.8	3.9	4.1	4.3	4.4	4.5	4.7	4.8	5.0
75°	3.8	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.1	5.3	5.4
73.75°	4.2	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.7	5.9
72.5°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2
71.25°	4.8	5.0	5.2	5.5	5.7	5.8	6.0	6.2	6.3	6.5	6.6
70°	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5	6.7	6.8	7.0
68.75°	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.8	7.0	7.1	7.2
67.5°	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.5
66.25°	6.0	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7
65°	6.3	6.5	6.8	7.0	7.1	7.2	7.4	7.5	7.7	7.9	8.2
63.75°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	8.1	8.3	8.6
62.5°	6.8	7.0	7.2	7.3	7.5	7.7	7.9	8.2	8.5	8.8	9.1
61.25°	7.0	7.2	7.4	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.6
60°	7.2	7.4	7.5	7.7	8.1	8.4	8.7	9.0	9.4	9.8	10.1
58.75°	7.3	7.5	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.3	10.7
57.5°	7.5	7.7	8.1	8.4	8.8	9.1	9.5	10.0	10.4	10.8	11.3
56.25°	7.7	8.0	8.4	8.8	9.1	9.6	10.0	10.5	10.9	11.4	11.9
55°	7.9	8.3	8.7	9.1	9.5	10.0	10.5	11.0	11.5	12.1	12.6
53.75°	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.1	12.7	13.3
52.5°	8.5	8.9	9.4	9.9	10.4	10.9	11.5	12.1	12.7	13.3	14.0
51.25°	8.8	9.2	9.8	10.3	10.8	11.4	12.1	12.7	13.3	14.0	14.7
50°	9.1	9.6	10.1	10.7	11.3	11.9	12.6	13.3	14.0	14.7	15.5
48.75°	9.4	10.0	10.5	11.1	11.8	12.5	13.1	13.9	14.7	15.4	16.2
47.5°	9.7	10.3	10.9	11.6	12.3	13.0	13.7	14.5	15.3	16.1	16.9
46.25°	10.1	10.7	11.3	12.0	12.8	13.5	14.3	15.2	16.0	16.8	17.6
45°	10.4	11.0	11.7	12.5	13.2	14.1	14.9	15.8	16.6	17.5	18.3
43.75°	10.7	11.4	12.2	12.9	13.8	14.7	15.5	16.4	17.3	18.1	18.9
42.5°	11.0	11.8	12.6	13.4	14.3	15.2	16.1	17.0	17.9	18.8	19.4
41.25°	11.4	12.2	13.0	13.9	14.8	15.8	16.7	17.6	18.5	19.2	19.9
40°	11.8	12.6	13.4	14.4	15.3	16.3	17.2	18.2	19.0	19.7	20.3
38.75°	12.1	13.0	13.9	14.9	15.9	16.8	17.8	18.8	19.4	20.1	20.8
37.5°	12.5	13.3	14.3	15.3	16.3	17.3	18.3	19.2	19.8	20.5	21.2
36.25°	12.8	13.7	14.8	15.8	16.8	17.8	18.8	19.5	20.2	20.9	21.6
35°	13.1	14.2	15.2	16.3	17.3	18.3	19.2	19.9	20.6	21.3	22.0



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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°	13.5	14.6	15.6	16.7	17.8	18.8	19.5	20.3	21.0	21.7	22.5
32.5°	13.9	14.9	16.0	17.1	18.2	19.1	19.9	20.6	21.4	22.1	22.8
31.25°	14.2	15.3	16.4	17.5	18.6	19.5	20.2	21.0	21.7	22.5	23.1
30°	14.6	15.7	16.8	17.9	19.0	19.8	20.5	21.3	22.1	22.8	23.4
28.75°	14.9	16.0	17.2	18.3	19.3	20.1	20.8	21.6	22.4	23.1	23.7
27.5°	15.2	16.4	17.5	18.7	19.5	20.3	21.1	21.9	22.7	23.3	24.0
26.25°	15.5	16.7	17.9	19.0	19.8	20.6	21.4	22.2	23.0	23.6	24.2
25°	15.8	17.0	18.2	19.2	20.0	20.9	21.7	22.5	23.2	23.8	24.4
23.75°	16.1	17.3	18.5	19.4	20.3	21.1	22.0	22.8	23.4	24.1	24.6
22.5°	16.4	17.6	18.8	19.7	20.5	21.4	22.2	23.0	23.6	24.3	24.8
21.25°	16.6	17.9	19.0	19.9	20.7	21.6	22.5	23.2	23.8	24.4	25.0
20°	16.9	18.1	19.2	20.1	20.9	21.8	22.7	23.4	24.0	24.6	25.1
18.75°	17.1	18.4	19.4	20.3	21.1	22.0	22.8	23.5	24.2	24.7	25.3
17.5°	17.3	18.6	19.5	20.4	21.3	22.2	23.0	23.7	24.3	24.9	25.4
16.25°	17.5	18.8	19.7	20.6	21.5	22.4	23.1	23.9	24.5	25.0	25.6
15°	17.7	18.9	19.8	20.8	21.7	22.6	23.3	24.0	24.6	25.2	25.7
13.75°	17.9	19.1	20.0	20.9	21.8	22.7	23.4	24.1	24.7	25.3	25.8
12.5°	18.0	19.2	20.1	21.0	21.9	22.8	23.5	24.2	24.8	25.4	25.9
11.25°	18.2	19.3	20.2	21.1	22.1	22.9	23.6	24.3	24.9	25.5	26.0
10°	18.3	19.4	20.3	21.2	22.2	23.0	23.7	24.4	25.0	25.5	26.1
8.75°	18.4	19.5	20.4	21.3	22.3	23.1	23.8	24.5	25.1	25.6	26.2
7.5°	18.5	19.5	20.5	21.4	22.4	23.2	23.9	24.5	25.1	25.7	26.2
6.25°	18.6	19.6	20.6	21.5	22.4	23.2	24.0	24.6	25.2	25.7	26.3
5°	18.7	19.7	20.6	21.5	22.5	23.3	24.0	24.6	25.2	25.8	26.3
3.75°	18.7	19.7	20.6	21.6	22.5	23.3	24.0	24.7	25.3	25.8	26.4
2.5°	18.8	19.7	20.7	21.6	22.6	23.3	24.1	24.7	25.3	25.8	26.4
1.25°	18.8	19.7	20.7	21.6	22.6	23.3	24.1	24.7	25.3	25.8	26.4
0°	18.8	19.8	20.7	21.7	22.6	23.4	24.1	24.7	25.3	25.9	26.4
-1.25°	18.8	19.7	20.7	21.6	22.6	23.3	24.1	24.7	25.3	25.8	26.4
-2.5°	18.8	19.7	20.7	21.6	22.6	23.3	24.1	24.7	25.3	25.8	26.4
-3.75°	18.7	19.7	20.6	21.6	22.5	23.3	24.0	24.7	25.3	25.8	26.4
-5°	18.7	19.7	20.6	21.5	22.5	23.3	24.0	24.6	25.2	25.8	26.3
-6.25°	18.6	19.6	20.6	21.5	22.4	23.2	24.0	24.6	25.2	25.7	26.3
-7.5°	18.5	19.5	20.5	21.4	22.4	23.2	23.9	24.5	25.1	25.7	26.2
-8.75°	18.4	19.5	20.4	21.3	22.3	23.1	23.8	24.5	25.1	25.6	26.2
-10°	18.3	19.4	20.3	21.2	22.2	23.0	23.7	24.4	25.0	25.5	26.1
-11.25°	18.2	19.3	20.2	21.1	22.1	22.9	23.6	24.3	24.9	25.5	26.0
-12.5°	18.0	19.2	20.1	21.0	21.9	22.8	23.5	24.2	24.8	25.4	25.9
-13.75°	17.9	19.1	20.0	20.9	21.8	22.7	23.4	24.1	24.7	25.3	25.8
-15°	17.7	18.9	19.8	20.8	21.7	22.6	23.3	24.0	24.6	25.2	25.7
-16.25°	17.5	18.8	19.7	20.6	21.5	22.4	23.1	23.9	24.5	25.0	25.6
-17.5°	17.3	18.6	19.5	20.4	21.3	22.2	23.0	23.7	24.3	24.9	25.4
-18.75°	17.1	18.4	19.4	20.3	21.1	22.0	22.8	23.5	24.2	24.7	25.3
-20°	16.9	18.1	19.2	20.1	20.9	21.8	22.7	23.4	24.0	24.6	25.1
-21.25°	16.6	17.9	19.0	19.9	20.7	21.6	22.5	23.2	23.8	24.4	25.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	16.4	17.6	18.8	19.7	20.5	21.4	22.2	23.0	23.6	24.3	24.8
-23.75°	16.1	17.3	18.5	19.4	20.3	21.1	22.0	22.8	23.4	24.1	24.6
-25°	15.8	17.0	18.2	19.2	20.0	20.9	21.7	22.5	23.2	23.8	24.4
-26.25°	15.5	16.7	17.9	19.0	19.8	20.6	21.4	22.2	23.0	23.6	24.2
-27.5°	15.2	16.4	17.5	18.7	19.5	20.3	21.1	21.9	22.7	23.3	24.0
-28.75°	14.9	16.0	17.2	18.3	19.3	20.1	20.8	21.6	22.4	23.1	23.7
-30°	14.6	15.7	16.8	17.9	19.0	19.8	20.5	21.3	22.1	22.8	23.4
-31.25°	14.2	15.3	16.4	17.5	18.6	19.5	20.2	21.0	21.7	22.5	23.1
-32.5°	13.9	14.9	16.0	17.1	18.2	19.1	19.9	20.6	21.4	22.1	22.8
-33.75°	13.5	14.6	15.6	16.7	17.8	18.8	19.5	20.3	21.0	21.7	22.5
-35°	13.1	14.2	15.2	16.3	17.3	18.3	19.2	19.9	20.6	21.3	22.0
-36.25°	12.8	13.7	14.8	15.8	16.8	17.8	18.8	19.5	20.2	20.9	21.6
-37.5°	12.5	13.3	14.3	15.3	16.3	17.3	18.3	19.2	19.8	20.5	21.2
-38.75°	12.1	13.0	13.9	14.9	15.9	16.8	17.8	18.8	19.4	20.1	20.8
-40°	11.8	12.6	13.4	14.4	15.3	16.3	17.2	18.2	19.0	19.7	20.3
-41.25°	11.4	12.2	13.0	13.9	14.8	15.8	16.7	17.6	18.5	19.2	19.9
-42.5°	11.0	11.8	12.6	13.4	14.3	15.2	16.1	17.0	17.9	18.8	19.4
-43.75°	10.7	11.4	12.2	12.9	13.8	14.7	15.5	16.4	17.3	18.1	18.9
-45°	10.4	11.0	11.7	12.5	13.2	14.1	14.9	15.8	16.6	17.5	18.3
-46.25°	10.1	10.7	11.3	12.0	12.8	13.5	14.3	15.2	16.0	16.8	17.6
-47.5°	9.7	10.3	10.9	11.6	12.3	13.0	13.7	14.5	15.3	16.1	16.9
-48.75°	9.4	10.0	10.5	11.1	11.8	12.5	13.1	13.9	14.7	15.4	16.2
-50°	9.1	9.6	10.1	10.7	11.3	11.9	12.6	13.3	14.0	14.7	15.5
-51.25°	8.8	9.2	9.8	10.3	10.8	11.4	12.1	12.7	13.3	14.0	14.7
-52.5°	8.5	8.9	9.4	9.9	10.4	10.9	11.5	12.1	12.7	13.3	14.0
-53.75°	8.2	8.6	9.0	9.5	10.0	10.5	11.0	11.5	12.1	12.7	13.3
-55°	7.9	8.3	8.7	9.1	9.5	10.0	10.5	11.0	11.5	12.1	12.6
-56.25°	7.7	8.0	8.4	8.8	9.1	9.6	10.0	10.5	10.9	11.4	11.9
-57.5°	7.5	7.7	8.1	8.4	8.8	9.1	9.5	10.0	10.4	10.8	11.3
-58.75°	7.3	7.5	7.7	8.1	8.4	8.8	9.1	9.5	9.9	10.3	10.7
-60°	7.2	7.4	7.5	7.7	8.1	8.4	8.7	9.0	9.4	9.8	10.1
-61.25°	7.0	7.2	7.4	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.6
-62.5°	6.8	7.0	7.2	7.3	7.5	7.7	7.9	8.2	8.5	8.8	9.1
-63.75°	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	8.1	8.3	8.6
-65°	6.3	6.5	6.8	7.0	7.1	7.2	7.4	7.5	7.7	7.9	8.2
-66.25°	6.0	6.3	6.5	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7
-67.5°	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.1	7.2	7.3	7.5
-68.75°	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.8	7.0	7.1	7.2
-70°	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5	6.7	6.8	7.0
-71.25°	4.8	5.0	5.2	5.5	5.7	5.8	6.0	6.2	6.3	6.5	6.6
-72.5°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2
-73.75°	4.2	4.3	4.5	4.7	4.9	5.1	5.2	5.4	5.6	5.7	5.9
-75°	3.8	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.1	5.3	5.4
-76.25°	3.5	3.6	3.8	3.9	4.1	4.3	4.4	4.5	4.7	4.8	5.0
-77.5°	3.1	3.3	3.4	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5



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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°
-78.75°	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0
-80°	2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-81.25°	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
-82.5°	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.6
-83.75°	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	1.9	2.0	2.1
-85°	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.6
-86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1
-87.5°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
86.25°	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
85°	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
83.75°	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7
82.5°	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3
81.25°	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9
80°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5
78.75°	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1
77.5°	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
76.25°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2
75°	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
73.75°	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
72.5°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4
71.25°	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7
70°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	8.0	8.1	8.3
68.75°	7.3	7.4	7.5	7.7	7.8	8.0	8.2	8.4	8.6	8.7	8.9
67.5°	7.6	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.6
66.25°	7.9	8.2	8.4	8.6	8.8	9.1	9.3	9.6	9.8	10.1	10.3
65°	8.4	8.7	8.9	9.1	9.4	9.7	10.0	10.3	10.5	10.8	11.0
63.75°	8.9	9.1	9.4	9.8	10.1	10.4	10.7	11.0	11.3	11.6	11.9
62.5°	9.4	9.7	10.1	10.4	10.7	11.0	11.4	11.8	12.1	12.5	12.8
61.25°	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.6	13.0	13.3	13.7
60°	10.5	10.9	11.3	11.7	12.2	12.6	13.0	13.4	13.9	14.3	14.8
58.75°	11.1	11.6	12.0	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.8
57.5°	11.8	12.3	12.8	13.2	13.8	14.3	14.8	15.3	15.9	16.3	16.8
56.25°	12.5	13.0	13.5	14.1	14.7	15.2	15.8	16.3	16.8	17.3	17.8
55°	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.2	17.8	18.3	18.8
53.75°	13.9	14.5	15.2	15.8	16.4	17.0	17.6	18.2	18.8	19.2	19.5
52.5°	14.7	15.3	16.0	16.6	17.3	17.9	18.5	19.0	19.4	19.8	20.2
51.25°	15.4	16.1	16.8	17.5	18.1	18.8	19.2	19.7	20.1	20.5	20.9
50°	16.2	16.9	17.6	18.3	18.9	19.4	19.9	20.3	20.8	21.2	21.6
48.75°	16.9	17.7	18.4	19.0	19.5	20.0	20.5	21.0	21.4	21.9	22.3
47.5°	17.7	18.4	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.5	22.9
46.25°	18.4	19.1	19.6	20.1	20.7	21.2	21.7	22.2	22.7	23.1	23.4
45°	19.0	19.6	20.1	20.7	21.2	21.8	22.3	22.8	23.2	23.6	24.0
43.75°	19.5	20.1	20.7	21.2	21.8	22.4	22.8	23.3	23.7	24.1	24.4
42.5°	20.0	20.6	21.2	21.8	22.4	22.9	23.3	23.7	24.1	24.5	24.8
41.25°	20.5	21.1	21.7	22.3	22.8	23.3	23.8	24.2	24.5	24.9	25.2
40°	21.0	21.6	22.2	22.8	23.3	23.7	24.2	24.5	24.9	25.3	25.6
38.75°	21.4	22.1	22.7	23.2	23.7	24.1	24.5	24.9	25.3	25.6	25.9
37.5°	21.9	22.5	23.1	23.6	24.1	24.5	24.9	25.3	25.6	26.0	26.3
36.25°	22.3	22.9	23.4	24.0	24.4	24.8	25.2	25.6	25.9	26.3	26.6
35°	22.7	23.3	23.8	24.3	24.7	25.1	25.5	25.9	26.3	26.6	26.8



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	23.0	23.6	24.1	24.6	25.0	25.4	25.8	26.2	26.5	26.8	27.1
32.5°	23.4	23.9	24.4	24.9	25.3	25.7	26.1	26.5	26.8	27.0	27.3
31.25°	23.7	24.2	24.7	25.2	25.6	26.0	26.4	26.7	27.0	27.2	27.4
30°	24.0	24.5	25.0	25.4	25.8	26.3	26.6	26.9	27.2	27.3	27.5
28.75°	24.3	24.7	25.2	25.7	26.1	26.5	26.8	27.1	27.3	27.5	27.6
27.5°	24.5	25.0	25.4	25.9	26.3	26.7	27.0	27.2	27.4	27.6	27.8
26.25°	24.7	25.2	25.7	26.1	26.5	26.8	27.2	27.3	27.5	27.7	28.0
25°	24.9	25.4	25.9	26.3	26.7	27.0	27.3	27.4	27.6	27.9	28.1
23.75°	25.1	25.6	26.1	26.5	26.8	27.2	27.4	27.5	27.8	28.0	28.3
22.5°	25.3	25.8	26.3	26.7	27.0	27.3	27.4	27.6	27.9	28.2	28.6
21.25°	25.5	26.0	26.4	26.8	27.1	27.3	27.5	27.8	28.1	28.4	28.9
20°	25.6	26.1	26.6	26.9	27.2	27.4	27.6	27.9	28.2	28.6	29.2
18.75°	25.8	26.3	26.7	27.1	27.3	27.5	27.7	28.0	28.3	28.9	29.4
17.5°	25.9	26.4	26.8	27.2	27.4	27.5	27.8	28.1	28.6	29.1	29.8
16.25°	26.1	26.5	26.9	27.2	27.4	27.6	27.9	28.3	28.8	29.3	30.3
15°	26.2	26.6	27.0	27.3	27.5	27.7	28.0	28.4	29.0	29.5	30.8
13.75°	26.3	26.7	27.1	27.3	27.5	27.8	28.1	28.6	29.1	29.9	31.2
12.5°	26.4	26.8	27.2	27.4	27.6	27.9	28.2	28.7	29.3	30.3	31.6
11.25°	26.5	26.9	27.2	27.4	27.6	28.0	28.3	28.9	29.5	30.7	32.0
10°	26.6	26.9	27.3	27.5	27.7	28.0	28.4	29.0	29.7	31.0	32.4
8.75°	26.6	27.0	27.3	27.5	27.8	28.1	28.5	29.1	30.0	31.3	33.2
7.5°	26.7	27.1	27.3	27.5	27.8	28.2	28.6	29.2	30.2	31.5	33.9
6.25°	26.7	27.1	27.3	27.5	27.9	28.2	28.7	29.3	30.4	31.7	34.5
5°	26.7	27.1	27.4	27.6	27.9	28.2	28.8	29.4	30.6	31.9	34.9
3.75°	26.8	27.2	27.4	27.6	27.9	28.3	28.8	29.4	30.7	32.0	35.3
2.5°	26.8	27.2	27.4	27.6	27.9	28.3	28.9	29.5	30.8	32.1	35.6
1.25°	26.8	27.2	27.4	27.6	27.9	28.3	28.9	29.5	30.8	32.2	35.7
0°	26.8	27.2	27.4	27.6	28.0	28.3	28.9	29.5	30.9	32.2	35.8
-1.25°	26.8	27.2	27.4	27.6	27.9	28.3	28.9	29.5	30.8	32.2	35.7
-2.5°	26.8	27.2	27.4	27.6	27.9	28.3	28.9	29.5	30.8	32.1	35.6
-3.75°	26.8	27.2	27.4	27.6	27.9	28.3	28.8	29.4	30.7	32.0	35.3
-5°	26.7	27.1	27.4	27.6	27.9	28.2	28.8	29.4	30.6	31.9	34.9
-6.25°	26.7	27.1	27.3	27.5	27.9	28.2	28.7	29.3	30.4	31.7	34.5
-7.5°	26.7	27.1	27.3	27.5	27.8	28.2	28.6	29.2	30.2	31.5	33.9
-8.75°	26.6	27.0	27.3	27.5	27.8	28.1	28.5	29.1	30.0	31.3	33.2
-10°	26.6	26.9	27.3	27.5	27.7	28.0	28.4	29.0	29.7	31.0	32.4
-11.25°	26.5	26.9	27.2	27.4	27.6	28.0	28.3	28.9	29.5	30.7	32.0
-12.5°	26.4	26.8	27.2	27.4	27.6	27.9	28.2	28.7	29.3	30.3	31.6
-13.75°	26.3	26.7	27.1	27.3	27.5	27.8	28.1	28.6	29.1	29.9	31.2
-15°	26.2	26.6	27.0	27.3	27.5	27.7	28.0	28.4	29.0	29.5	30.8
-16.25°	26.1	26.5	26.9	27.2	27.4	27.6	27.9	28.3	28.8	29.3	30.3
-17.5°	25.9	26.4	26.8	27.2	27.4	27.5	27.8	28.1	28.6	29.1	29.8
-18.75°	25.8	26.3	26.7	27.1	27.3	27.5	27.7	28.0	28.3	28.9	29.4
-20°	25.6	26.1	26.6	26.9	27.2	27.4	27.6	27.9	28.2	28.6	29.2
-21.25°	25.5	26.0	26.4	26.8	27.1	27.3	27.5	27.8	28.1	28.4	28.9



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	25.3	25.8	26.3	26.7	27.0	27.3	27.4	27.6	27.9	28.2	28.6
-23.75°	25.1	25.6	26.1	26.5	26.8	27.2	27.4	27.5	27.8	28.0	28.3
-25°	24.9	25.4	25.9	26.3	26.7	27.0	27.3	27.4	27.6	27.9	28.1
-26.25°	24.7	25.2	25.7	26.1	26.5	26.8	27.2	27.3	27.5	27.7	28.0
-27.5°	24.5	25.0	25.4	25.9	26.3	26.7	27.0	27.2	27.4	27.6	27.8
-28.75°	24.3	24.7	25.2	25.7	26.1	26.5	26.8	27.1	27.3	27.5	27.6
-30°	24.0	24.5	25.0	25.4	25.8	26.3	26.6	26.9	27.2	27.3	27.5
-31.25°	23.7	24.2	24.7	25.2	25.6	26.0	26.4	26.7	27.0	27.2	27.4
-32.5°	23.4	23.9	24.4	24.9	25.3	25.7	26.1	26.5	26.8	27.0	27.3
-33.75°	23.0	23.6	24.1	24.6	25.0	25.4	25.8	26.2	26.5	26.8	27.1
-35°	22.7	23.3	23.8	24.3	24.7	25.1	25.5	25.9	26.3	26.6	26.8
-36.25°	22.3	22.9	23.4	24.0	24.4	24.8	25.2	25.6	25.9	26.3	26.6
-37.5°	21.9	22.5	23.1	23.6	24.1	24.5	24.9	25.3	25.6	26.0	26.3
-38.75°	21.4	22.1	22.7	23.2	23.7	24.1	24.5	24.9	25.3	25.6	25.9
-40°	21.0	21.6	22.2	22.8	23.3	23.7	24.2	24.5	24.9	25.3	25.6
-41.25°	20.5	21.1	21.7	22.3	22.8	23.3	23.8	24.2	24.5	24.9	25.2
-42.5°	20.0	20.6	21.2	21.8	22.4	22.9	23.3	23.7	24.1	24.5	24.8
-43.75°	19.5	20.1	20.7	21.2	21.8	22.4	22.8	23.3	23.7	24.1	24.4
-45°	19.0	19.6	20.1	20.7	21.2	21.8	22.3	22.8	23.2	23.6	24.0
-46.25°	18.4	19.1	19.6	20.1	20.7	21.2	21.7	22.2	22.7	23.1	23.4
-47.5°	17.7	18.4	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.5	22.9
-48.75°	16.9	17.7	18.4	19.0	19.5	20.0	20.5	21.0	21.4	21.9	22.3
-50°	16.2	16.9	17.6	18.3	18.9	19.4	19.9	20.3	20.8	21.2	21.6
-51.25°	15.4	16.1	16.8	17.5	18.1	18.8	19.2	19.7	20.1	20.5	20.9
-52.5°	14.7	15.3	16.0	16.6	17.3	17.9	18.5	19.0	19.4	19.8	20.2
-53.75°	13.9	14.5	15.2	15.8	16.4	17.0	17.6	18.2	18.8	19.2	19.5
-55°	13.1	13.7	14.3	14.9	15.5	16.1	16.7	17.2	17.8	18.3	18.8
-56.25°	12.5	13.0	13.5	14.1	14.7	15.2	15.8	16.3	16.8	17.3	17.8
-57.5°	11.8	12.3	12.8	13.2	13.8	14.3	14.8	15.3	15.9	16.3	16.8
-58.75°	11.1	11.6	12.0	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.8
-60°	10.5	10.9	11.3	11.7	12.2	12.6	13.0	13.4	13.9	14.3	14.8
-61.25°	10.0	10.3	10.7	11.0	11.4	11.8	12.2	12.6	13.0	13.3	13.7
-62.5°	9.4	9.7	10.1	10.4	10.7	11.0	11.4	11.8	12.1	12.5	12.8
-63.75°	8.9	9.1	9.4	9.8	10.1	10.4	10.7	11.0	11.3	11.6	11.9
-65°	8.4	8.7	8.9	9.1	9.4	9.7	10.0	10.3	10.5	10.8	11.0
-66.25°	7.9	8.2	8.4	8.6	8.8	9.1	9.3	9.6	9.8	10.1	10.3
-67.5°	7.6	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.6
-68.75°	7.3	7.4	7.5	7.7	7.8	8.0	8.2	8.4	8.6	8.7	8.9
-70°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	8.0	8.1	8.3
-71.25°	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7
-72.5°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3	7.4
-73.75°	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
-75°	5.6	5.7	5.8	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7
-76.25°	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2
-77.5°	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1
-80°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5
-81.25°	3.2	3.2	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9
-82.5°	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3
-83.75°	2.1	2.2	2.3	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7
-85°	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
-86.25°	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4
-87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
85°	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5
83.75°	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2
82.5°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9
81.25°	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.5
80°	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2
78.75°	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.9
77.5°	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4
76.25°	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0
75°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3
73.75°	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7
72.5°	7.5	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
71.25°	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1
70°	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9
68.75°	9.1	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.8
67.5°	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.7
66.25°	10.5	10.8	11.0	11.2	11.5	11.7	12.0	12.2	12.4	12.6	12.8
65°	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.4	13.7	13.9
63.75°	12.2	12.6	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.1
62.5°	13.1	13.5	13.9	14.2	14.6	14.9	15.2	15.5	15.8	16.1	16.4
61.25°	14.2	14.6	14.9	15.3	15.7	16.0	16.4	16.7	17.0	17.3	17.6
60°	15.2	15.6	16.0	16.4	16.8	17.2	17.5	17.9	18.2	18.5	18.8
58.75°	16.3	16.7	17.1	17.5	17.9	18.3	18.7	19.0	19.2	19.4	19.7
57.5°	17.3	17.8	18.2	18.6	19.0	19.3	19.5	19.8	20.0	20.3	20.5
56.25°	18.3	18.8	19.1	19.5	19.8	20.1	20.3	20.6	20.9	21.1	21.4
55°	19.2	19.5	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.2
53.75°	19.9	20.3	20.6	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.0
52.5°	20.6	21.0	21.4	21.7	22.1	22.4	22.7	23.0	23.2	23.4	23.6
51.25°	21.3	21.7	22.1	22.5	22.8	23.1	23.3	23.6	23.8	24.1	24.3
50°	22.0	22.5	22.8	23.1	23.4	23.7	24.0	24.2	24.4	24.6	24.8
48.75°	22.7	23.0	23.4	23.7	24.0	24.3	24.5	24.7	24.9	25.1	25.3
47.5°	23.3	23.6	23.9	24.2	24.5	24.7	25.0	25.2	25.4	25.6	25.8
46.25°	23.8	24.1	24.4	24.7	25.0	25.2	25.4	25.7	25.9	26.1	26.3
45°	24.3	24.6	24.9	25.2	25.4	25.7	25.9	26.1	26.3	26.5	26.7
43.75°	24.7	25.0	25.3	25.6	25.8	26.1	26.3	26.5	26.7	26.8	27.0
42.5°	25.1	25.4	25.7	26.0	26.3	26.5	26.7	26.8	27.0	27.2	27.3
41.25°	25.5	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.3	27.4	27.4
40°	25.9	26.2	26.5	26.7	26.9	27.1	27.2	27.3	27.4	27.5	27.6
38.75°	26.3	26.5	26.8	27.0	27.2	27.3	27.4	27.5	27.6	27.8	27.9
37.5°	26.6	26.8	27.0	27.2	27.3	27.5	27.6	27.7	27.9	28.0	28.2
36.25°	26.8	27.1	27.3	27.4	27.5	27.6	27.8	28.0	28.1	28.3	28.6
35°	27.1	27.3	27.4	27.5	27.7	27.9	28.0	28.2	28.5	28.8	29.1



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	27.3	27.4	27.5	27.7	27.9	28.1	28.3	28.6	29.0	29.3	29.7
32.5°	27.4	27.5	27.7	27.9	28.1	28.4	28.7	29.1	29.4	30.1	30.8
31.25°	27.5	27.7	27.9	28.1	28.4	28.8	29.2	29.6	30.4	31.1	31.8
30°	27.7	27.9	28.1	28.4	28.8	29.2	29.7	30.5	31.3	32.1	34.0
28.75°	27.9	28.1	28.4	28.8	29.2	29.8	30.6	31.5	32.5	34.7	36.8
27.5°	28.0	28.3	28.7	29.2	29.7	30.6	31.5	32.8	35.1	37.3	39.6
26.25°	28.2	28.6	29.1	29.6	30.5	31.5	32.8	35.2	37.6	40.4	45.0
25°	28.5	29.0	29.4	30.4	31.3	32.5	35.1	37.6	40.7	45.5	50.3
23.75°	28.8	29.3	30.1	31.1	32.1	34.7	37.3	40.4	45.5	50.5	55.7
22.5°	29.1	29.7	30.8	31.8	34.0	36.8	39.6	45.0	50.3	55.7	61.6
21.25°	29.4	30.4	31.5	33.1	36.0	38.8	43.8	49.4	55.0	61.2	67.3
20°	29.9	31.0	32.1	34.9	37.9	42.2	47.9	53.6	60.1	66.6	73.6
18.75°	30.4	31.6	33.6	36.7	39.9	45.9	51.9	58.4	65.1	72.0	81.4
17.5°	31.0	32.2	35.2	38.3	43.4	49.5	55.9	62.9	69.9	78.9	97.1
16.25°	31.5	33.5	36.7	40.3	46.7	53.0	60.1	67.3	75.7	91.1	122.1
15°	32.0	34.9	38.1	43.3	49.8	56.6	64.0	71.5	82.8	107.7	153.2
13.75°	32.8	36.1	39.4	46.1	52.6	60.1	67.7	76.9	95.1	132.9	191.0
12.5°	33.9	37.3	41.9	48.6	55.5	63.4	71.2	83.3	111.2	162.3	231.7
11.25°	35.0	38.4	44.1	51.0	58.4	66.4	75.6	93.4	131.9	193.5	271.6
10°	35.9	39.3	46.2	53.1	61.1	69.1	79.6	103.3	154.2	226.3	313.1
8.75°	36.7	40.9	48.0	55.2	63.4	71.7	86.0	119.4	178.5	257.4	350.8
7.5°	37.4	42.5	49.6	57.1	65.4	74.7	92.8	133.5	199.9	286.4	387.2
6.25°	38.0	43.7	50.9	58.8	67.2	77.3	98.7	146.8	221.7	313.4	419.1
5°	38.5	44.8	52.0	60.1	68.6	79.4	105.2	161.1	240.1	335.8	445.5
3.75°	38.9	45.6	52.9	61.2	69.7	81.4	112.7	172.4	254.6	353.4	467.2
2.5°	39.2	46.2	53.5	62.0	70.6	84.0	118.0	180.5	264.9	367.2	483.0
1.25°	39.3	46.6	53.9	62.4	71.0	85.5	121.2	185.3	271.2	375.7	492.5
0°	39.4	46.7	54.0	62.6	71.2	86.1	122.3	187.0	273.3	378.6	495.7
-1.25°	39.3	46.6	53.9	62.4	71.0	85.5	121.2	185.3	271.2	375.7	492.5
-2.5°	39.2	46.2	53.5	62.0	70.6	84.0	118.0	180.5	264.9	367.2	483.0
-3.75°	38.9	45.6	52.9	61.2	69.7	81.4	112.7	172.4	254.6	353.4	467.2
-5°	38.5	44.8	52.0	60.1	68.6	79.4	105.2	161.1	240.1	335.8	445.5
-6.25°	38.0	43.7	50.9	58.8	67.2	77.3	98.7	146.8	221.7	313.4	419.1
-7.5°	37.4	42.5	49.6	57.1	65.4	74.7	92.8	133.5	199.9	286.4	387.2
-8.75°	36.7	40.9	48.0	55.2	63.4	71.7	86.0	119.4	178.5	257.4	350.8
-10°	35.9	39.3	46.2	53.1	61.1	69.1	79.6	103.3	154.2	226.3	313.1
-11.25°	35.0	38.4	44.1	51.0	58.4	66.4	75.6	93.4	131.9	193.5	271.6
-12.5°	33.9	37.3	41.9	48.6	55.5	63.4	71.2	83.3	111.2	162.3	231.7
-13.75°	32.8	36.1	39.4	46.1	52.6	60.1	67.7	76.9	95.1	132.9	191.0
-15°	32.0	34.9	38.1	43.3	49.8	56.6	64.0	71.5	82.8	107.7	153.2
-16.25°	31.5	33.5	36.7	40.3	46.7	53.0	60.1	67.3	75.7	91.1	122.1
-17.5°	31.0	32.2	35.2	38.3	43.4	49.5	55.9	62.9	69.9	78.9	97.1
-18.75°	30.4	31.6	33.6	36.7	39.9	45.9	51.9	58.4	65.1	72.0	81.4
-20°	29.9	31.0	32.1	34.9	37.9	42.2	47.9	53.6	60.1	66.6	73.6
-21.25°	29.4	30.4	31.5	33.1	36.0	38.8	43.8	49.4	55.0	61.2	67.3





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	29.1	29.7	30.8	31.8	34.0	36.8	39.6	45.0	50.3	55.7	61.6
-23.75°	28.8	29.3	30.1	31.1	32.1	34.7	37.3	40.4	45.5	50.5	55.7
-25°	28.5	29.0	29.4	30.4	31.3	32.5	35.1	37.6	40.7	45.5	50.3
-26.25°	28.2	28.6	29.1	29.6	30.5	31.5	32.8	35.2	37.6	40.4	45.0
-27.5°	28.0	28.3	28.7	29.2	29.7	30.6	31.5	32.8	35.1	37.3	39.6
-28.75°	27.9	28.1	28.4	28.8	29.2	29.8	30.6	31.5	32.5	34.7	36.8
-30°	27.7	27.9	28.1	28.4	28.8	29.2	29.7	30.5	31.3	32.1	34.0
-31.25°	27.5	27.7	27.9	28.1	28.4	28.8	29.2	29.6	30.4	31.1	31.8
-32.5°	27.4	27.5	27.7	27.9	28.1	28.4	28.7	29.1	29.4	30.1	30.8
-33.75°	27.3	27.4	27.5	27.7	27.9	28.1	28.3	28.6	29.0	29.3	29.7
-35°	27.1	27.3	27.4	27.5	27.7	27.9	28.0	28.2	28.5	28.8	29.1
-36.25°	26.8	27.1	27.3	27.4	27.5	27.6	27.8	28.0	28.1	28.3	28.6
-37.5°	26.6	26.8	27.0	27.2	27.3	27.5	27.6	27.7	27.9	28.0	28.2
-38.75°	26.3	26.5	26.8	27.0	27.2	27.3	27.4	27.5	27.6	27.8	27.9
-40°	25.9	26.2	26.5	26.7	26.9	27.1	27.2	27.3	27.4	27.5	27.6
-41.25°	25.5	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.3	27.4	27.4
-42.5°	25.1	25.4	25.7	26.0	26.3	26.5	26.7	26.8	27.0	27.2	27.3
-43.75°	24.7	25.0	25.3	25.6	25.8	26.1	26.3	26.5	26.7	26.8	27.0
-45°	24.3	24.6	24.9	25.2	25.4	25.7	25.9	26.1	26.3	26.5	26.7
-46.25°	23.8	24.1	24.4	24.7	25.0	25.2	25.4	25.7	25.9	26.1	26.3
-47.5°	23.3	23.6	23.9	24.2	24.5	24.7	25.0	25.2	25.4	25.6	25.8
-48.75°	22.7	23.0	23.4	23.7	24.0	24.3	24.5	24.7	24.9	25.1	25.3
-50°	22.0	22.5	22.8	23.1	23.4	23.7	24.0	24.2	24.4	24.6	24.8
-51.25°	21.3	21.7	22.1	22.5	22.8	23.1	23.3	23.6	23.8	24.1	24.3
-52.5°	20.6	21.0	21.4	21.7	22.1	22.4	22.7	23.0	23.2	23.4	23.6
-53.75°	19.9	20.3	20.6	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.0
-55°	19.2	19.5	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.2
-56.25°	18.3	18.8	19.1	19.5	19.8	20.1	20.3	20.6	20.9	21.1	21.4
-57.5°	17.3	17.8	18.2	18.6	19.0	19.3	19.5	19.8	20.0	20.3	20.5
-58.75°	16.3	16.7	17.1	17.5	17.9	18.3	18.7	19.0	19.2	19.4	19.7
-60°	15.2	15.6	16.0	16.4	16.8	17.2	17.5	17.9	18.2	18.5	18.8
-61.25°	14.2	14.6	14.9	15.3	15.7	16.0	16.4	16.7	17.0	17.3	17.6
-62.5°	13.1	13.5	13.9	14.2	14.6	14.9	15.2	15.5	15.8	16.1	16.4
-63.75°	12.2	12.6	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.1
-65°	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.4	13.7	13.9
-66.25°	10.5	10.8	11.0	11.2	11.5	11.7	12.0	12.2	12.4	12.6	12.8
-67.5°	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.7
-68.75°	9.1	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.8
-70°	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9
-71.25°	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.1
-72.5°	7.5	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-73.75°	7.1	7.2	7.3	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7
-75°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3
-76.25°	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9	6.9	7.0
-77.5°	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.9
-80°	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2	5.2
-81.25°	4.0	4.1	4.1	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.5
-82.5°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9
-83.75°	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2
-85°	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5
-86.25°	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
-87.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
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	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
86.25°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
85°	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7
83.75°	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4
82.5°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
81.25°	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9
80°	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6
78.75°	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2
77.5°	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8	6.8
76.25°	7.0	7.0	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2
75°	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6
73.75°	7.8	7.8	7.9	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
72.5°	8.5	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
71.25°	9.2	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.9	9.9	10.0
70°	10.0	10.1	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9
68.75°	10.9	11.0	11.2	11.3	11.4	11.6	11.7	11.8	11.9	11.9	12.0
67.5°	11.9	12.1	12.2	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.1
66.25°	13.0	13.2	13.3	13.5	13.7	13.8	14.0	14.1	14.2	14.3	14.4
65°	14.2	14.4	14.6	14.8	15.0	15.1	15.3	15.4	15.5	15.7	15.8
63.75°	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.7	16.9	17.0	17.1
62.5°	16.6	16.9	17.1	17.3	17.5	17.7	17.9	18.0	18.2	18.3	18.4
61.25°	17.9	18.1	18.4	18.6	18.8	18.9	19.1	19.2	19.3	19.4	19.5
60°	19.0	19.2	19.4	19.5	19.7	19.8	20.0	20.1	20.2	20.3	20.4
58.75°	19.9	20.1	20.3	20.4	20.6	20.8	20.9	21.0	21.1	21.2	21.3
57.5°	20.7	20.9	21.1	21.3	21.5	21.7	21.8	21.9	22.1	22.2	22.3
56.25°	21.6	21.8	22.0	22.2	22.4	22.6	22.7	22.8	22.9	23.0	23.1
55°	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.5	23.6	23.7	23.8
53.75°	23.2	23.4	23.5	23.7	23.9	24.0	24.1	24.2	24.3	24.4	24.5
52.5°	23.8	24.0	24.2	24.3	24.5	24.6	24.7	24.8	24.9	25.0	25.1
51.25°	24.4	24.6	24.7	24.9	25.0	25.2	25.3	25.4	25.5	25.5	25.6
50°	25.0	25.1	25.3	25.4	25.6	25.7	25.8	25.9	26.0	26.1	26.2
48.75°	25.5	25.6	25.8	25.9	26.1	26.2	26.3	26.4	26.5	26.6	26.6
47.5°	26.0	26.1	26.3	26.4	26.5	26.6	26.7	26.8	26.9	26.9	27.0
46.25°	26.4	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.2	27.3	27.3
45°	26.8	26.9	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5
43.75°	27.1	27.2	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.7	27.8
42.5°	27.3	27.4	27.5	27.5	27.6	27.7	27.8	27.9	28.0	28.0	28.1
41.25°	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5
40°	27.8	27.9	28.0	28.1	28.3	28.4	28.6	28.7	28.9	29.0	29.1
38.75°	28.1	28.2	28.3	28.6	28.8	29.0	29.1	29.3	29.5	29.7	30.0
37.5°	28.4	28.6	28.9	29.1	29.3	29.5	29.9	30.3	30.7	31.0	31.3
36.25°	28.9	29.2	29.4	29.8	30.3	30.8	31.2	31.6	32.0	32.4	33.2
35°	29.4	29.9	30.4	31.0	31.5	32.0	32.8	33.9	35.0	35.9	36.7



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	30.4	31.0	31.6	32.2	33.5	34.9	36.1	37.3	38.4	39.3	40.9
32.5°	31.5	32.1	33.6	35.2	36.7	38.1	39.4	41.9	44.1	46.2	48.0
31.25°	33.1	34.9	36.7	38.3	40.3	43.3	46.1	48.6	51.0	53.1	55.2
30°	36.0	37.9	39.9	43.4	46.7	49.8	52.6	55.5	58.4	61.1	63.4
28.75°	38.8	42.2	45.9	49.5	53.0	56.6	60.1	63.4	66.4	69.1	71.7
27.5°	43.8	47.9	51.9	55.9	60.1	64.0	67.7	71.2	75.6	79.6	86.0
26.25°	49.4	53.6	58.4	62.9	67.3	71.5	76.9	83.3	93.4	103.3	119.4
25°	55.0	60.1	65.1	69.9	75.7	82.8	95.1	111.2	131.9	154.2	178.5
23.75°	61.2	66.6	72.0	78.9	91.1	107.7	132.9	162.3	193.5	226.3	257.4
22.5°	67.3	73.6	81.4	97.1	122.1	153.2	191.0	231.7	271.6	313.1	350.8
21.25°	74.1	83.7	100.8	131.8	171.0	215.4	263.5	313.9	362.8	411.9	456.7
20°	83.7	102.2	136.7	181.9	233.4	288.6	346.5	406.2	463.5	518.0	566.7
18.75°	100.8	136.7	185.5	242.4	304.7	370.1	437.8	504.4	566.4	622.6	671.0
17.5°	131.8	181.9	242.4	310.1	382.5	457.5	532.1	601.2	663.6	718.9	771.5
16.25°	171.0	233.4	304.7	382.5	464.3	546.1	622.4	690.8	755.5	817.1	875.2
15°	215.4	288.6	370.1	457.5	546.1	629.6	704.6	778.0	849.2	916.8	979.9
13.75°	263.5	346.5	437.8	532.1	622.4	704.6	785.6	865.5	942.8	1015.7	1080.8
12.5°	313.9	406.2	504.4	601.2	690.8	778.0	865.5	951.5	1033.4	1108.4	1174.7
11.25°	362.8	463.5	566.4	663.6	755.5	849.2	942.8	1033.4	1117.3	1193.4	1259.8
10°	411.9	518.0	622.6	718.9	817.1	916.8	1015.7	1108.4	1193.4	1269.1	1335.9
8.75°	456.7	566.7	671.0	771.5	875.2	979.9	1080.8	1174.7	1259.8	1335.9	1404.4
7.5°	497.9	609.3	713.1	818.7	927.4	1035.7	1138.0	1232.2	1317.5	1395.0	1464.3
6.25°	533.4	645.5	750.7	860.9	973.5	1083.7	1187.1	1281.7	1367.2	1445.8	1516.1
5°	562.4	674.0	782.7	896.3	1012.2	1123.1	1226.5	1321.1	1408.3	1487.3	1560.2
3.75°	585.0	696.4	808.0	924.5	1042.0	1153.8	1257.7	1352.8	1440.6	1520.4	1594.6
2.5°	601.4	712.6	826.6	945.2	1063.6	1176.1	1280.3	1375.1	1463.2	1544.7	1620.3
1.25°	611.2	722.4	838.0	957.7	1076.7	1189.6	1293.2	1388.7	1477.1	1559.6	1635.0
0°	614.6	725.7	841.8	961.9	1081.1	1194.2	1297.5	1393.3	1481.8	1564.7	1639.8
-1.25°	611.2	722.4	838.0	957.7	1076.7	1189.6	1293.2	1388.7	1477.1	1559.6	1635.0
-2.5°	601.4	712.6	826.6	945.2	1063.6	1176.1	1280.3	1375.1	1463.2	1544.7	1620.3
-3.75°	585.0	696.4	808.0	924.5	1042.0	1153.8	1257.7	1352.8	1440.6	1520.4	1594.6
-5°	562.4	674.0	782.7	896.3	1012.2	1123.1	1226.5	1321.1	1408.3	1487.3	1560.2
-6.25°	533.4	645.5	750.7	860.9	973.5	1083.7	1187.1	1281.7	1367.2	1445.8	1516.1
-7.5°	497.9	609.3	713.1	818.7	927.4	1035.7	1138.0	1232.2	1317.5	1395.0	1464.3
-8.75°	456.7	566.7	671.0	771.5	875.2	979.9	1080.8	1174.7	1259.8	1335.9	1404.4
-10°	411.9	518.0	622.6	718.9	817.1	916.8	1015.7	1108.4	1193.4	1269.1	1335.9
-11.25°	362.8	463.5	566.4	663.6	755.5	849.2	942.8	1033.4	1117.3	1193.4	1259.8
-12.5°	313.9	406.2	504.4	601.2	690.8	778.0	865.5	951.5	1033.4	1108.4	1174.7
-13.75°	263.5	346.5	437.8	532.1	622.4	704.6	785.6	865.5	942.8	1015.7	1080.8
-15°	215.4	288.6	370.1	457.5	546.1	629.6	704.6	778.0	849.2	916.8	979.9
-16.25°	171.0	233.4	304.7	382.5	464.3	546.1	622.4	690.8	755.5	817.1	875.2
-17.5°	131.8	181.9	242.4	310.1	382.5	457.5	532.1	601.2	663.6	718.9	771.5
-18.75°	100.8	136.7	185.5	242.4	304.7	370.1	437.8	504.4	566.4	622.6	671.0
-20°	83.7	102.2	136.7	181.9	233.4	288.6	346.5	406.2	463.5	518.0	566.7
-21.25°	74.1	83.7	100.8	131.8	171.0	215.4	263.5	313.9	362.8	411.9	456.7



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	67.3	73.6	81.4	97.1	122.1	153.2	191.0	231.7	271.6	313.1	350.8
-23.75°	61.2	66.6	72.0	78.9	91.1	107.7	132.9	162.3	193.5	226.3	257.4
-25°	55.0	60.1	65.1	69.9	75.7	82.8	95.1	111.2	131.9	154.2	178.5
-26.25°	49.4	53.6	58.4	62.9	67.3	71.5	76.9	83.3	93.4	103.3	119.4
-27.5°	43.8	47.9	51.9	55.9	60.1	64.0	67.7	71.2	75.6	79.6	86.0
-28.75°	38.8	42.2	45.9	49.5	53.0	56.6	60.1	63.4	66.4	69.1	71.7
-30°	36.0	37.9	39.9	43.4	46.7	49.8	52.6	55.5	58.4	61.1	63.4
-31.25°	33.1	34.9	36.7	38.3	40.3	43.3	46.1	48.6	51.0	53.1	55.2
-32.5°	31.5	32.1	33.6	35.2	36.7	38.1	39.4	41.9	44.1	46.2	48.0
-33.75°	30.4	31.0	31.6	32.2	33.5	34.9	36.1	37.3	38.4	39.3	40.9
-35°	29.4	29.9	30.4	31.0	31.5	32.0	32.8	33.9	35.0	35.9	36.7
-36.25°	28.9	29.2	29.4	29.8	30.3	30.8	31.2	31.6	32.0	32.4	33.2
-37.5°	28.4	28.6	28.9	29.1	29.3	29.5	29.9	30.3	30.7	31.0	31.3
-38.75°	28.1	28.2	28.3	28.6	28.8	29.0	29.1	29.3	29.5	29.7	30.0
-40°	27.8	27.9	28.0	28.1	28.3	28.4	28.6	28.7	28.9	29.0	29.1
-41.25°	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5
-42.5°	27.3	27.4	27.5	27.5	27.6	27.7	27.8	27.9	28.0	28.0	28.1
-43.75°	27.1	27.2	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.7	27.8
-45°	26.8	26.9	27.1	27.2	27.2	27.3	27.3	27.4	27.4	27.5	27.5
-46.25°	26.4	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.2	27.3	27.3
-47.5°	26.0	26.1	26.3	26.4	26.5	26.6	26.7	26.8	26.9	26.9	27.0
-48.75°	25.5	25.6	25.8	25.9	26.1	26.2	26.3	26.4	26.5	26.6	26.6
-50°	25.0	25.1	25.3	25.4	25.6	25.7	25.8	25.9	26.0	26.1	26.2
-51.25°	24.4	24.6	24.7	24.9	25.0	25.2	25.3	25.4	25.5	25.5	25.6
-52.5°	23.8	24.0	24.2	24.3	24.5	24.6	24.7	24.8	24.9	25.0	25.1
-53.75°	23.2	23.4	23.5	23.7	23.9	24.0	24.1	24.2	24.3	24.4	24.5
-55°	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.5	23.6	23.7	23.8
-56.25°	21.6	21.8	22.0	22.2	22.4	22.6	22.7	22.8	22.9	23.0	23.1
-57.5°	20.7	20.9	21.1	21.3	21.5	21.7	21.8	21.9	22.1	22.2	22.3
-58.75°	19.9	20.1	20.3	20.4	20.6	20.8	20.9	21.0	21.1	21.2	21.3
-60°	19.0	19.2	19.4	19.5	19.7	19.8	20.0	20.1	20.2	20.3	20.4
-61.25°	17.9	18.1	18.4	18.6	18.8	18.9	19.1	19.2	19.3	19.4	19.5
-62.5°	16.6	16.9	17.1	17.3	17.5	17.7	17.9	18.0	18.2	18.3	18.4
-63.75°	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.7	16.9	17.0	17.1
-65°	14.2	14.4	14.6	14.8	15.0	15.1	15.3	15.4	15.5	15.7	15.8
-66.25°	13.0	13.2	13.3	13.5	13.7	13.8	14.0	14.1	14.2	14.3	14.4
-67.5°	11.9	12.1	12.2	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.1
-68.75°	10.9	11.0	11.2	11.3	11.4	11.6	11.7	11.8	11.9	11.9	12.0
-70°	10.0	10.1	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9
-71.25°	9.2	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.9	9.9	10.0
-72.5°	8.5	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
-73.75°	7.8	7.8	7.9	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.3
-75°	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6	7.6
-76.25°	7.0	7.0	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2
-77.5°	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8	6.8



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2
-80°	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6
-81.25°	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9
-82.5°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
-83.75°	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4
-85°	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7
-86.25°	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
-87.5°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
86.25°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
83.75°	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.4
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
81.25°	4.9	4.9	4.9	4.9	4.9	4.9	5.0	4.9	4.9	4.9	4.9
80°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
78.75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
76.25°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
73.75°	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4	8.4	8.4
72.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
71.25°	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.1	10.1	10.1	10.1
70°	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.0
68.75°	12.1	12.1	12.2	12.2	12.2	12.2	12.3	12.2	12.2	12.2	12.2
67.5°	13.2	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
66.25°	14.5	14.6	14.6	14.7	14.7	14.7	14.8	14.7	14.7	14.7	14.6
65°	15.9	15.9	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0
63.75°	17.2	17.3	17.3	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.3
62.5°	18.5	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
61.25°	19.5	19.6	19.7	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.7
60°	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6
58.75°	21.4	21.5	21.5	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.5
57.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
56.25°	23.2	23.2	23.3	23.3	23.3	23.3	23.4	23.3	23.3	23.3	23.3
55°	23.9	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.0	24.0
53.75°	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6
52.5°	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.2
51.25°	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.8
50°	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.3
48.75°	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.7
47.5°	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.1
46.25°	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
45°	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
43.75°	27.8	27.9	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
42.5°	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.2
41.25°	28.6	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.8	28.8
40°	29.2	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.4
38.75°	30.2	30.4	30.6	30.7	30.8	30.8	30.9	30.8	30.8	30.7	30.6
37.5°	31.5	31.7	31.9	32.0	32.1	32.2	32.2	32.2	32.1	32.0	31.9
36.25°	33.9	34.5	34.9	35.3	35.6	35.7	35.8	35.7	35.6	35.3	34.9
35°	37.4	38.0	38.5	38.9	39.2	39.3	39.4	39.3	39.2	38.9	38.5



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	42.5	43.7	44.8	45.6	46.2	46.6	46.7	46.6	46.2	45.6	44.8
32.5°	49.6	50.9	52.0	52.9	53.5	53.9	54.0	53.9	53.5	52.9	52.0
31.25°	57.1	58.8	60.1	61.2	62.0	62.4	62.6	62.4	62.0	61.2	60.1
30°	65.4	67.2	68.6	69.7	70.6	71.0	71.2	71.0	70.6	69.7	68.6
28.75°	74.7	77.3	79.4	81.4	84.0	85.5	86.1	85.5	84.0	81.4	79.4
27.5°	92.8	98.7	105.2	112.7	118.0	121.2	122.3	121.2	118.0	112.7	105.2
26.25°	133.5	146.8	161.1	172.4	180.5	185.3	187.0	185.3	180.5	172.4	161.1
25°	199.9	221.7	240.1	254.6	264.9	271.2	273.3	271.2	264.9	254.6	240.1
23.75°	286.4	313.4	335.8	353.4	367.2	375.7	378.6	375.7	367.2	353.4	335.8
22.5°	387.2	419.1	445.5	467.2	483.0	492.5	495.7	492.5	483.0	467.2	445.5
21.25°	497.9	533.4	562.4	585.0	601.4	611.2	614.6	611.2	601.4	585.0	562.4
20°	609.3	645.5	674.0	696.4	712.6	722.4	725.7	722.4	712.6	696.4	674.0
18.75°	713.1	750.7	782.7	808.0	826.6	838.0	841.8	838.0	826.6	808.0	782.7
17.5°	818.7	860.9	896.3	924.5	945.2	957.7	961.9	957.7	945.2	924.5	896.3
16.25°	927.4	973.5	1012.2	1042.0	1063.6	1076.7	1081.1	1076.7	1063.6	1042.0	1012.2
15°	1035.7	1083.7	1123.1	1153.8	1176.1	1189.6	1194.2	1189.6	1176.1	1153.8	1123.1
13.75°	1138.0	1187.1	1226.5	1257.7	1280.3	1293.2	1297.5	1293.2	1280.3	1257.7	1226.5
12.5°	1232.2	1281.7	1321.1	1352.8	1375.1	1388.7	1393.3	1388.7	1375.1	1352.8	1321.1
11.25°	1317.5	1367.2	1408.3	1440.6	1463.2	1477.1	1481.8	1477.1	1463.2	1440.6	1408.3
10°	1395.0	1445.8	1487.3	1520.4	1544.7	1559.6	1564.7	1559.6	1544.7	1520.4	1487.3
8.75°	1464.3	1516.1	1560.2	1594.6	1620.3	1635.0	1639.8	1635.0	1620.3	1594.6	1560.2
7.5°	1525.8	1580.0	1625.9	1659.8	1684.9	1699.3	1704.3	1699.3	1684.9	1659.8	1625.9
6.25°	1580.0	1635.5	1680.4	1714.6	1738.3	1751.7	1756.3	1751.7	1738.3	1714.6	1680.4
5°	1625.9	1680.4	1725.0	1756.4	1777.5	1790.0	1794.4	1790.0	1777.5	1756.4	1725.0
3.75°	1659.8	1714.6	1756.4	1785.7	1805.0	1816.4	1819.0	1816.4	1805.0	1785.7	1756.4
2.5°	1684.9	1738.3	1777.5	1805.0	1821.7	1829.5	1831.1	1829.5	1821.7	1805.0	1777.5
1.25°	1699.3	1751.7	1790.0	1816.4	1829.5	1835.1	1838.1	1835.1	1829.5	1816.4	1790.0
0°	1704.3	1756.3	1794.4	1819.0	1831.1	1838.1	1844.9	1838.1	1831.1	1819.0	1794.4
-1.25°	1699.3	1751.7	1790.0	1816.4	1829.5	1835.1	1838.1	1835.1	1829.5	1816.4	1790.0
-2.5°	1684.9	1738.3	1777.5	1805.0	1821.7	1829.5	1831.1	1829.5	1821.7	1805.0	1777.5
-3.75°	1659.8	1714.6	1756.4	1785.7	1805.0	1816.4	1819.0	1816.4	1805.0	1785.7	1756.4
-5°	1625.9	1680.4	1725.0	1756.4	1777.5	1790.0	1794.4	1790.0	1777.5	1756.4	1725.0
-6.25°	1580.0	1635.5	1680.4	1714.6	1738.3	1751.7	1756.3	1751.7	1738.3	1714.6	1680.4
-7.5°	1525.8	1580.0	1625.9	1659.8	1684.9	1699.3	1704.3	1699.3	1684.9	1659.8	1625.9
-8.75°	1464.3	1516.1	1560.2	1594.6	1620.3	1635.0	1639.8	1635.0	1620.3	1594.6	1560.2
-10°	1395.0	1445.8	1487.3	1520.4	1544.7	1559.6	1564.7	1559.6	1544.7	1520.4	1487.3
-11.25°	1317.5	1367.2	1408.3	1440.6	1463.2	1477.1	1481.8	1477.1	1463.2	1440.6	1408.3
-12.5°	1232.2	1281.7	1321.1	1352.8	1375.1	1388.7	1393.3	1388.7	1375.1	1352.8	1321.1
-13.75°	1138.0	1187.1	1226.5	1257.7	1280.3	1293.2	1297.5	1293.2	1280.3	1257.7	1226.5
-15°	1035.7	1083.7	1123.1	1153.8	1176.1	1189.6	1194.2	1189.6	1176.1	1153.8	1123.1
-16.25°	927.4	973.5	1012.2	1042.0	1063.6	1076.7	1081.1	1076.7	1063.6	1042.0	1012.2
-17.5°	818.7	860.9	896.3	924.5	945.2	957.7	961.9	957.7	945.2	924.5	896.3
-18.75°	713.1	750.7	782.7	808.0	826.6	838.0	841.8	838.0	826.6	808.0	782.7
-20°	609.3	645.5	674.0	696.4	712.6	722.4	725.7	722.4	712.6	696.4	674.0
-21.25°	497.9	533.4	562.4	585.0	601.4	611.2	614.6	611.2	601.4	585.0	562.4





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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	387.2	419.1	445.5	467.2	483.0	492.5	495.7	492.5	483.0	467.2	445.5
-23.75°	286.4	313.4	335.8	353.4	367.2	375.7	378.6	375.7	367.2	353.4	335.8
-25°	199.9	221.7	240.1	254.6	264.9	271.2	273.3	271.2	264.9	254.6	240.1
-26.25°	133.5	146.8	161.1	172.4	180.5	185.3	187.0	185.3	180.5	172.4	161.1
-27.5°	92.8	98.7	105.2	112.7	118.0	121.2	122.3	121.2	118.0	112.7	105.2
-28.75°	74.7	77.3	79.4	81.4	84.0	85.5	86.1	85.5	84.0	81.4	79.4
-30°	65.4	67.2	68.6	69.7	70.6	71.0	71.2	71.0	70.6	69.7	68.6
-31.25°	57.1	58.8	60.1	61.2	62.0	62.4	62.6	62.4	62.0	61.2	60.1
-32.5°	49.6	50.9	52.0	52.9	53.5	53.9	54.0	53.9	53.5	52.9	52.0
-33.75°	42.5	43.7	44.8	45.6	46.2	46.6	46.7	46.6	46.2	45.6	44.8
-35°	37.4	38.0	38.5	38.9	39.2	39.3	39.4	39.3	39.2	38.9	38.5
-36.25°	33.9	34.5	34.9	35.3	35.6	35.7	35.8	35.7	35.6	35.3	34.9
-37.5°	31.5	31.7	31.9	32.0	32.1	32.2	32.2	32.2	32.1	32.0	31.9
-38.75°	30.2	30.4	30.6	30.7	30.8	30.8	30.9	30.8	30.8	30.7	30.6
-40°	29.2	29.3	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.4
-41.25°	28.6	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.8	28.8
-42.5°	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.2
-43.75°	27.8	27.9	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
-45°	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
-46.25°	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
-47.5°	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.1
-48.75°	26.7	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.7
-50°	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.3
-51.25°	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.8
-52.5°	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.2
-53.75°	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.6
-55°	23.9	24.0	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.0	24.0
-56.25°	23.2	23.2	23.3	23.3	23.3	23.3	23.4	23.3	23.3	23.3	23.3
-57.5°	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
-58.75°	21.4	21.5	21.5	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.5
-60°	20.5	20.6	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6
-61.25°	19.5	19.6	19.7	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.7
-62.5°	18.5	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
-63.75°	17.2	17.3	17.3	17.4	17.4	17.4	17.5	17.4	17.4	17.4	17.3
-65°	15.9	15.9	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.0	16.0
-66.25°	14.5	14.6	14.6	14.7	14.7	14.7	14.8	14.7	14.7	14.7	14.6
-67.5°	13.2	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
-68.75°	12.1	12.1	12.2	12.2	12.2	12.2	12.3	12.2	12.2	12.2	12.2
-70°	11.0	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.0
-71.25°	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.1	10.1	10.1	10.1
-72.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-73.75°	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4	8.4	8.4
-75°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
-76.25°	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
-77.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
-80°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-81.25°	4.9	4.9	4.9	4.9	4.9	4.9	5.0	4.9	4.9	4.9	4.9
-82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-83.75°	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.4
-85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-86.25°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
86.25°	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8
85°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5
83.75°	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
82.5°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
81.25°	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7
80°	5.7	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4
78.75°	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
77.5°	6.9	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6
76.25°	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1
75°	7.7	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4
73.75°	8.4	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	7.9
72.5°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
71.25°	10.1	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.6	9.5	9.4
70°	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.3
68.75°	12.1	12.1	12.0	11.9	11.9	11.8	11.7	11.6	11.4	11.3	11.2
67.5°	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.5	12.4	12.2
66.25°	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.3
65°	15.9	15.9	15.8	15.7	15.5	15.4	15.3	15.1	15.0	14.8	14.6
63.75°	17.3	17.2	17.1	17.0	16.9	16.7	16.6	16.4	16.2	16.0	15.8
62.5°	18.6	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.5	17.3	17.1
61.25°	19.6	19.5	19.5	19.4	19.3	19.2	19.1	18.9	18.8	18.6	18.4
60°	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.8	19.7	19.5	19.4
58.75°	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.6	20.4	20.3
57.5°	22.4	22.4	22.3	22.2	22.1	21.9	21.8	21.7	21.5	21.3	21.1
56.25°	23.2	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.4	22.2	22.0
55°	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.1	23.0	22.8
53.75°	24.6	24.5	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.7	23.5
52.5°	25.2	25.1	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.3	24.2
51.25°	25.7	25.7	25.6	25.5	25.5	25.4	25.3	25.2	25.0	24.9	24.7
50°	26.3	26.2	26.2	26.1	26.0	25.9	25.8	25.7	25.6	25.4	25.3
48.75°	26.7	26.7	26.6	26.6	26.5	26.4	26.3	26.2	26.1	25.9	25.8
47.5°	27.1	27.1	27.0	26.9	26.9	26.8	26.7	26.6	26.5	26.4	26.3
46.25°	27.3	27.3	27.3	27.3	27.2	27.2	27.1	27.0	26.9	26.8	26.7
45°	27.5	27.5	27.5	27.5	27.4	27.4	27.3	27.3	27.2	27.2	27.1
43.75°	27.9	27.8	27.8	27.7	27.6	27.6	27.5	27.5	27.4	27.4	27.3
42.5°	28.2	28.2	28.1	28.0	28.0	27.9	27.8	27.7	27.6	27.5	27.5
41.25°	28.7	28.6	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.8	27.7
40°	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.4	28.3	28.1	28.0
38.75°	30.4	30.2	30.0	29.7	29.5	29.3	29.1	29.0	28.8	28.6	28.3
37.5°	31.7	31.5	31.3	31.0	30.7	30.3	29.9	29.5	29.3	29.1	28.9
36.25°	34.5	33.9	33.2	32.4	32.0	31.6	31.2	30.8	30.3	29.8	29.4
35°	38.0	37.4	36.7	35.9	35.0	33.9	32.8	32.0	31.5	31.0	30.4



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	43.7	42.5	40.9	39.3	38.4	37.3	36.1	34.9	33.5	32.2	31.6
32.5°	50.9	49.6	48.0	46.2	44.1	41.9	39.4	38.1	36.7	35.2	33.6
31.25°	58.8	57.1	55.2	53.1	51.0	48.6	46.1	43.3	40.3	38.3	36.7
30°	67.2	65.4	63.4	61.1	58.4	55.5	52.6	49.8	46.7	43.4	39.9
28.75°	77.3	74.7	71.7	69.1	66.4	63.4	60.1	56.6	53.0	49.5	45.9
27.5°	98.7	92.8	86.0	79.6	75.6	71.2	67.7	64.0	60.1	55.9	51.9
26.25°	146.8	133.5	119.4	103.3	93.4	83.3	76.9	71.5	67.3	62.9	58.4
25°	221.7	199.9	178.5	154.2	131.9	111.2	95.1	82.8	75.7	69.9	65.1
23.75°	313.4	286.4	257.4	226.3	193.5	162.3	132.9	107.7	91.1	78.9	72.0
22.5°	419.1	387.2	350.8	313.1	271.6	231.7	191.0	153.2	122.1	97.1	81.4
21.25°	533.4	497.9	456.7	411.9	362.8	313.9	263.5	215.4	171.0	131.8	100.8
20°	645.5	609.3	566.7	518.0	463.5	406.2	346.5	288.6	233.4	181.9	136.7
18.75°	750.7	713.1	671.0	622.6	566.4	504.4	437.8	370.1	304.7	242.4	185.5
17.5°	860.9	818.7	771.5	718.9	663.6	601.2	532.1	457.5	382.5	310.1	242.4
16.25°	973.5	927.4	875.2	817.1	755.5	690.8	622.4	546.1	464.3	382.5	304.7
15°	1083.7	1035.7	979.9	916.8	849.2	778.0	704.6	629.6	546.1	457.5	370.1
13.75°	1187.1	1138.0	1080.8	1015.7	942.8	865.5	785.6	704.6	622.4	532.1	437.8
12.5°	1281.7	1232.2	1174.7	1108.4	1033.4	951.5	865.5	778.0	690.8	601.2	504.4
11.25°	1367.2	1317.5	1259.8	1193.4	1117.3	1033.4	942.8	849.2	755.5	663.6	566.4
10°	1445.8	1395.0	1335.9	1269.1	1193.4	1108.4	1015.7	916.8	817.1	718.9	622.6
8.75°	1516.1	1464.3	1404.4	1335.9	1259.8	1174.7	1080.8	979.9	875.2	771.5	671.0
7.5°	1580.0	1525.8	1464.3	1395.0	1317.5	1232.2	1138.0	1035.7	927.4	818.7	713.1
6.25°	1635.5	1580.0	1516.1	1445.8	1367.2	1281.7	1187.1	1083.7	973.5	860.9	750.7
5°	1680.4	1625.9	1560.2	1487.3	1408.3	1321.1	1226.5	1123.1	1012.2	896.3	782.7
3.75°	1714.6	1659.8	1594.6	1520.4	1440.6	1352.8	1257.7	1153.8	1042.0	924.5	808.0
2.5°	1738.3	1684.9	1620.3	1544.7	1463.2	1375.1	1280.3	1176.1	1063.6	945.2	826.6
1.25°	1751.7	1699.3	1635.0	1559.6	1477.1	1388.7	1293.2	1189.6	1076.7	957.7	838.0
0°	1756.3	1704.3	1639.8	1564.7	1481.8	1393.3	1297.5	1194.2	1081.1	961.9	841.8
-1.25°	1751.7	1699.3	1635.0	1559.6	1477.1	1388.7	1293.2	1189.6	1076.7	957.7	838.0
-2.5°	1738.3	1684.9	1620.3	1544.7	1463.2	1375.1	1280.3	1176.1	1063.6	945.2	826.6
-3.75°	1714.6	1659.8	1594.6	1520.4	1440.6	1352.8	1257.7	1153.8	1042.0	924.5	808.0
-5°	1680.4	1625.9	1560.2	1487.3	1408.3	1321.1	1226.5	1123.1	1012.2	896.3	782.7
-6.25°	1635.5	1580.0	1516.1	1445.8	1367.2	1281.7	1187.1	1083.7	973.5	860.9	750.7
-7.5°	1580.0	1525.8	1464.3	1395.0	1317.5	1232.2	1138.0	1035.7	927.4	818.7	713.1
-8.75°	1516.1	1464.3	1404.4	1335.9	1259.8	1174.7	1080.8	979.9	875.2	771.5	671.0
-10°	1445.8	1395.0	1335.9	1269.1	1193.4	1108.4	1015.7	916.8	817.1	718.9	622.6
-11.25°	1367.2	1317.5	1259.8	1193.4	1117.3	1033.4	942.8	849.2	755.5	663.6	566.4
-12.5°	1281.7	1232.2	1174.7	1108.4	1033.4	951.5	865.5	778.0	690.8	601.2	504.4
-13.75°	1187.1	1138.0	1080.8	1015.7	942.8	865.5	785.6	704.6	622.4	532.1	437.8
-15°	1083.7	1035.7	979.9	916.8	849.2	778.0	704.6	629.6	546.1	457.5	370.1
-16.25°	973.5	927.4	875.2	817.1	755.5	690.8	622.4	546.1	464.3	382.5	304.7
-17.5°	860.9	818.7	771.5	718.9	663.6	601.2	532.1	457.5	382.5	310.1	242.4
-18.75°	750.7	713.1	671.0	622.6	566.4	504.4	437.8	370.1	304.7	242.4	185.5
-20°	645.5	609.3	566.7	518.0	463.5	406.2	346.5	288.6	233.4	181.9	136.7
-21.25°	533.4	497.9	456.7	411.9	362.8	313.9	263.5	215.4	171.0	131.8	100.8



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	419.1	387.2	350.8	313.1	271.6	231.7	191.0	153.2	122.1	97.1	81.4
-23.75°	313.4	286.4	257.4	226.3	193.5	162.3	132.9	107.7	91.1	78.9	72.0
-25°	221.7	199.9	178.5	154.2	131.9	111.2	95.1	82.8	75.7	69.9	65.1
-26.25°	146.8	133.5	119.4	103.3	93.4	83.3	76.9	71.5	67.3	62.9	58.4
-27.5°	98.7	92.8	86.0	79.6	75.6	71.2	67.7	64.0	60.1	55.9	51.9
-28.75°	77.3	74.7	71.7	69.1	66.4	63.4	60.1	56.6	53.0	49.5	45.9
-30°	67.2	65.4	63.4	61.1	58.4	55.5	52.6	49.8	46.7	43.4	39.9
-31.25°	58.8	57.1	55.2	53.1	51.0	48.6	46.1	43.3	40.3	38.3	36.7
-32.5°	50.9	49.6	48.0	46.2	44.1	41.9	39.4	38.1	36.7	35.2	33.6
-33.75°	43.7	42.5	40.9	39.3	38.4	37.3	36.1	34.9	33.5	32.2	31.6
-35°	38.0	37.4	36.7	35.9	35.0	33.9	32.8	32.0	31.5	31.0	30.4
-36.25°	34.5	33.9	33.2	32.4	32.0	31.6	31.2	30.8	30.3	29.8	29.4
-37.5°	31.7	31.5	31.3	31.0	30.7	30.3	29.9	29.5	29.3	29.1	28.9
-38.75°	30.4	30.2	30.0	29.7	29.5	29.3	29.1	29.0	28.8	28.6	28.3
-40°	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.4	28.3	28.1	28.0
-41.25°	28.7	28.6	28.5	28.4	28.3	28.2	28.1	28.0	27.9	27.8	27.7
-42.5°	28.2	28.2	28.1	28.0	28.0	27.9	27.8	27.7	27.6	27.5	27.5
-43.75°	27.9	27.8	27.8	27.7	27.6	27.6	27.5	27.5	27.4	27.4	27.3
-45°	27.5	27.5	27.5	27.5	27.4	27.4	27.3	27.3	27.2	27.2	27.1
-46.25°	27.3	27.3	27.3	27.3	27.2	27.2	27.1	27.0	26.9	26.8	26.7
-47.5°	27.1	27.1	27.0	26.9	26.9	26.8	26.7	26.6	26.5	26.4	26.3
-48.75°	26.7	26.7	26.6	26.6	26.5	26.4	26.3	26.2	26.1	25.9	25.8
-50°	26.3	26.2	26.2	26.1	26.0	25.9	25.8	25.7	25.6	25.4	25.3
-51.25°	25.7	25.7	25.6	25.5	25.5	25.4	25.3	25.2	25.0	24.9	24.7
-52.5°	25.2	25.1	25.1	25.0	24.9	24.8	24.7	24.6	24.5	24.3	24.2
-53.75°	24.6	24.5	24.5	24.4	24.3	24.2	24.1	24.0	23.9	23.7	23.5
-55°	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.1	23.0	22.8
-56.25°	23.2	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.4	22.2	22.0
-57.5°	22.4	22.4	22.3	22.2	22.1	21.9	21.8	21.7	21.5	21.3	21.1
-58.75°	21.5	21.4	21.3	21.2	21.1	21.0	20.9	20.8	20.6	20.4	20.3
-60°	20.6	20.5	20.4	20.3	20.2	20.1	20.0	19.8	19.7	19.5	19.4
-61.25°	19.6	19.5	19.5	19.4	19.3	19.2	19.1	18.9	18.8	18.6	18.4
-62.5°	18.6	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.5	17.3	17.1
-63.75°	17.3	17.2	17.1	17.0	16.9	16.7	16.6	16.4	16.2	16.0	15.8
-65°	15.9	15.9	15.8	15.7	15.5	15.4	15.3	15.1	15.0	14.8	14.6
-66.25°	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.5	13.3
-67.5°	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.5	12.4	12.2
-68.75°	12.1	12.1	12.0	11.9	11.9	11.8	11.7	11.6	11.4	11.3	11.2
-70°	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.3
-71.25°	10.1	10.0	10.0	9.9	9.9	9.8	9.7	9.6	9.6	9.5	9.4
-72.5°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
-73.75°	8.4	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	7.9
-75°	7.7	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4
-76.25°	7.3	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.1
-77.5°	6.9	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6



REPORT NUMBER: P220473 (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°
-78.75°	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
-80°	5.7	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4
-81.25°	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7
-82.5°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
-83.75°	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
-85°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.5
-86.25°	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
86.25°	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5
85°	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
83.75°	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9
82.5°	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
81.25°	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1
80°	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8
78.75°	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.5	5.4
77.5°	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	5.9
76.25°	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.5
75°	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9
73.75°	7.8	7.8	7.7	7.6	7.6	7.6	7.5	7.4	7.4	7.3	7.3
72.5°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
71.25°	9.3	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1
70°	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2	9.0	8.9	8.8
68.75°	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.8	9.6	9.4
67.5°	12.1	11.9	11.7	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2
66.25°	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.2	11.0
65°	14.4	14.2	13.9	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9
63.75°	15.6	15.4	15.1	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.8
62.5°	16.9	16.6	16.4	16.1	15.8	15.5	15.2	14.9	14.6	14.2	13.9
61.25°	18.1	17.9	17.6	17.3	17.0	16.7	16.4	16.0	15.7	15.3	14.9
60°	19.2	19.0	18.8	18.5	18.2	17.9	17.5	17.2	16.8	16.4	16.0
58.75°	20.1	19.9	19.7	19.4	19.2	19.0	18.7	18.3	17.9	17.5	17.1
57.5°	20.9	20.7	20.5	20.3	20.0	19.8	19.5	19.3	19.0	18.6	18.2
56.25°	21.8	21.6	21.4	21.1	20.9	20.6	20.3	20.1	19.8	19.5	19.1
55°	22.7	22.5	22.2	22.0	21.7	21.4	21.1	20.8	20.5	20.2	19.9
53.75°	23.4	23.2	23.0	22.8	22.5	22.2	21.9	21.6	21.3	21.0	20.6
52.5°	24.0	23.8	23.6	23.4	23.2	23.0	22.7	22.4	22.1	21.7	21.4
51.25°	24.6	24.4	24.3	24.1	23.8	23.6	23.3	23.1	22.8	22.5	22.1
50°	25.1	25.0	24.8	24.6	24.4	24.2	24.0	23.7	23.4	23.1	22.8
48.75°	25.6	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.0	23.7	23.4
47.5°	26.1	26.0	25.8	25.6	25.4	25.2	25.0	24.7	24.5	24.2	23.9
46.25°	26.6	26.4	26.3	26.1	25.9	25.7	25.4	25.2	25.0	24.7	24.4
45°	26.9	26.8	26.7	26.5	26.3	26.1	25.9	25.7	25.4	25.2	24.9
43.75°	27.2	27.1	27.0	26.8	26.7	26.5	26.3	26.1	25.8	25.6	25.3
42.5°	27.4	27.3	27.3	27.2	27.0	26.8	26.7	26.5	26.3	26.0	25.7
41.25°	27.6	27.5	27.4	27.4	27.3	27.2	27.0	26.8	26.6	26.4	26.1
40°	27.9	27.8	27.6	27.5	27.4	27.3	27.2	27.1	26.9	26.7	26.5
38.75°	28.2	28.1	27.9	27.8	27.6	27.5	27.4	27.3	27.2	27.0	26.8
37.5°	28.6	28.4	28.2	28.0	27.9	27.7	27.6	27.5	27.3	27.2	27.0
36.25°	29.2	28.9	28.6	28.3	28.1	28.0	27.8	27.6	27.5	27.4	27.3
35°	29.9	29.4	29.1	28.8	28.5	28.2	28.0	27.9	27.7	27.5	27.4



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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°	31.0	30.4	29.7	29.3	29.0	28.6	28.3	28.1	27.9	27.7	27.5
32.5°	32.1	31.5	30.8	30.1	29.4	29.1	28.7	28.4	28.1	27.9	27.7
31.25°	34.9	33.1	31.8	31.1	30.4	29.6	29.2	28.8	28.4	28.1	27.9
30°	37.9	36.0	34.0	32.1	31.3	30.5	29.7	29.2	28.8	28.4	28.1
28.75°	42.2	38.8	36.8	34.7	32.5	31.5	30.6	29.8	29.2	28.8	28.4
27.5°	47.9	43.8	39.6	37.3	35.1	32.8	31.5	30.6	29.7	29.2	28.7
26.25°	53.6	49.4	45.0	40.4	37.6	35.2	32.8	31.5	30.5	29.6	29.1
25°	60.1	55.0	50.3	45.5	40.7	37.6	35.1	32.5	31.3	30.4	29.4
23.75°	66.6	61.2	55.7	50.5	45.5	40.4	37.3	34.7	32.1	31.1	30.1
22.5°	73.6	67.3	61.6	55.7	50.3	45.0	39.6	36.8	34.0	31.8	30.8
21.25°	83.7	74.1	67.3	61.2	55.0	49.4	43.8	38.8	36.0	33.1	31.5
20°	102.2	83.7	73.6	66.6	60.1	53.6	47.9	42.2	37.9	34.9	32.1
18.75°	136.7	100.8	81.4	72.0	65.1	58.4	51.9	45.9	39.9	36.7	33.6
17.5°	181.9	131.8	97.1	78.9	69.9	62.9	55.9	49.5	43.4	38.3	35.2
16.25°	233.4	171.0	122.1	91.1	75.7	67.3	60.1	53.0	46.7	40.3	36.7
15°	288.6	215.4	153.2	107.7	82.8	71.5	64.0	56.6	49.8	43.3	38.1
13.75°	346.5	263.5	191.0	132.9	95.1	76.9	67.7	60.1	52.6	46.1	39.4
12.5°	406.2	313.9	231.7	162.3	111.2	83.3	71.2	63.4	55.5	48.6	41.9
11.25°	463.5	362.8	271.6	193.5	131.9	93.4	75.6	66.4	58.4	51.0	44.1
10°	518.0	411.9	313.1	226.3	154.2	103.3	79.6	69.1	61.1	53.1	46.2
8.75°	566.7	456.7	350.8	257.4	178.5	119.4	86.0	71.7	63.4	55.2	48.0
7.5°	609.3	497.9	387.2	286.4	199.9	133.5	92.8	74.7	65.4	57.1	49.6
6.25°	645.5	533.4	419.1	313.4	221.7	146.8	98.7	77.3	67.2	58.8	50.9
5°	674.0	562.4	445.5	335.8	240.1	161.1	105.2	79.4	68.6	60.1	52.0
3.75°	696.4	585.0	467.2	353.4	254.6	172.4	112.7	81.4	69.7	61.2	52.9
2.5°	712.6	601.4	483.0	367.2	264.9	180.5	118.0	84.0	70.6	62.0	53.5
1.25°	722.4	611.2	492.5	375.7	271.2	185.3	121.2	85.5	71.0	62.4	53.9
0°	725.7	614.6	495.7	378.6	273.3	187.0	122.3	86.1	71.2	62.6	54.0
-1.25°	722.4	611.2	492.5	375.7	271.2	185.3	121.2	85.5	71.0	62.4	53.9
-2.5°	712.6	601.4	483.0	367.2	264.9	180.5	118.0	84.0	70.6	62.0	53.5
-3.75°	696.4	585.0	467.2	353.4	254.6	172.4	112.7	81.4	69.7	61.2	52.9
-5°	674.0	562.4	445.5	335.8	240.1	161.1	105.2	79.4	68.6	60.1	52.0
-6.25°	645.5	533.4	419.1	313.4	221.7	146.8	98.7	77.3	67.2	58.8	50.9
-7.5°	609.3	497.9	387.2	286.4	199.9	133.5	92.8	74.7	65.4	57.1	49.6
-8.75°	566.7	456.7	350.8	257.4	178.5	119.4	86.0	71.7	63.4	55.2	48.0
-10°	518.0	411.9	313.1	226.3	154.2	103.3	79.6	69.1	61.1	53.1	46.2
-11.25°	463.5	362.8	271.6	193.5	131.9	93.4	75.6	66.4	58.4	51.0	44.1
-12.5°	406.2	313.9	231.7	162.3	111.2	83.3	71.2	63.4	55.5	48.6	41.9
-13.75°	346.5	263.5	191.0	132.9	95.1	76.9	67.7	60.1	52.6	46.1	39.4
-15°	288.6	215.4	153.2	107.7	82.8	71.5	64.0	56.6	49.8	43.3	38.1
-16.25°	233.4	171.0	122.1	91.1	75.7	67.3	60.1	53.0	46.7	40.3	36.7
-17.5°	181.9	131.8	97.1	78.9	69.9	62.9	55.9	49.5	43.4	38.3	35.2
-18.75°	136.7	100.8	81.4	72.0	65.1	58.4	51.9	45.9	39.9	36.7	33.6
-20°	102.2	83.7	73.6	66.6	60.1	53.6	47.9	42.2	37.9	34.9	32.1
-21.25°	83.7	74.1	67.3	61.2	55.0	49.4	43.8	38.8	36.0	33.1	31.5





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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°
-22.5°	73.6	67.3	61.6	55.7	50.3	45.0	39.6	36.8	34.0	31.8	30.8
-23.75°	66.6	61.2	55.7	50.5	45.5	40.4	37.3	34.7	32.1	31.1	30.1
-25°	60.1	55.0	50.3	45.5	40.7	37.6	35.1	32.5	31.3	30.4	29.4
-26.25°	53.6	49.4	45.0	40.4	37.6	35.2	32.8	31.5	30.5	29.6	29.1
-27.5°	47.9	43.8	39.6	37.3	35.1	32.8	31.5	30.6	29.7	29.2	28.7
-28.75°	42.2	38.8	36.8	34.7	32.5	31.5	30.6	29.8	29.2	28.8	28.4
-30°	37.9	36.0	34.0	32.1	31.3	30.5	29.7	29.2	28.8	28.4	28.1
-31.25°	34.9	33.1	31.8	31.1	30.4	29.6	29.2	28.8	28.4	28.1	27.9
-32.5°	32.1	31.5	30.8	30.1	29.4	29.1	28.7	28.4	28.1	27.9	27.7
-33.75°	31.0	30.4	29.7	29.3	29.0	28.6	28.3	28.1	27.9	27.7	27.5
-35°	29.9	29.4	29.1	28.8	28.5	28.2	28.0	27.9	27.7	27.5	27.4
-36.25°	29.2	28.9	28.6	28.3	28.1	28.0	27.8	27.6	27.5	27.4	27.3
-37.5°	28.6	28.4	28.2	28.0	27.9	27.7	27.6	27.5	27.3	27.2	27.0
-38.75°	28.2	28.1	27.9	27.8	27.6	27.5	27.4	27.3	27.2	27.0	26.8
-40°	27.9	27.8	27.6	27.5	27.4	27.3	27.2	27.1	26.9	26.7	26.5
-41.25°	27.6	27.5	27.4	27.4	27.3	27.2	27.0	26.8	26.6	26.4	26.1
-42.5°	27.4	27.3	27.3	27.2	27.0	26.8	26.7	26.5	26.3	26.0	25.7
-43.75°	27.2	27.1	27.0	26.8	26.7	26.5	26.3	26.1	25.8	25.6	25.3
-45°	26.9	26.8	26.7	26.5	26.3	26.1	25.9	25.7	25.4	25.2	24.9
-46.25°	26.6	26.4	26.3	26.1	25.9	25.7	25.4	25.2	25.0	24.7	24.4
-47.5°	26.1	26.0	25.8	25.6	25.4	25.2	25.0	24.7	24.5	24.2	23.9
-48.75°	25.6	25.5	25.3	25.1	24.9	24.7	24.5	24.3	24.0	23.7	23.4
-50°	25.1	25.0	24.8	24.6	24.4	24.2	24.0	23.7	23.4	23.1	22.8
-51.25°	24.6	24.4	24.3	24.1	23.8	23.6	23.3	23.1	22.8	22.5	22.1
-52.5°	24.0	23.8	23.6	23.4	23.2	23.0	22.7	22.4	22.1	21.7	21.4
-53.75°	23.4	23.2	23.0	22.8	22.5	22.2	21.9	21.6	21.3	21.0	20.6
-55°	22.7	22.5	22.2	22.0	21.7	21.4	21.1	20.8	20.5	20.2	19.9
-56.25°	21.8	21.6	21.4	21.1	20.9	20.6	20.3	20.1	19.8	19.5	19.1
-57.5°	20.9	20.7	20.5	20.3	20.0	19.8	19.5	19.3	19.0	18.6	18.2
-58.75°	20.1	19.9	19.7	19.4	19.2	19.0	18.7	18.3	17.9	17.5	17.1
-60°	19.2	19.0	18.8	18.5	18.2	17.9	17.5	17.2	16.8	16.4	16.0
-61.25°	18.1	17.9	17.6	17.3	17.0	16.7	16.4	16.0	15.7	15.3	14.9
-62.5°	16.9	16.6	16.4	16.1	15.8	15.5	15.2	14.9	14.6	14.2	13.9
-63.75°	15.6	15.4	15.1	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.8
-65°	14.4	14.2	13.9	13.7	13.4	13.2	13.0	12.7	12.5	12.2	11.9
-66.25°	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.7	11.5	11.2	11.0
-67.5°	12.1	11.9	11.7	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2
-68.75°	11.0	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.8	9.6	9.4
-70°	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2	9.0	8.9	8.8
-71.25°	9.3	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1
-72.5°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
-73.75°	7.8	7.8	7.7	7.6	7.6	7.6	7.5	7.4	7.4	7.3	7.3
-75°	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-76.25°	7.0	7.0	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.5
-77.5°	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	5.9



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-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°
-78.75°	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.5	5.4
-80°	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8
-81.25°	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1
-82.5°	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
-83.75°	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9
-85°	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
-86.25°	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5
-87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**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°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2
85°	2.2	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.7
83.75°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.3
82.5°	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.9	2.8
81.25°	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3
80°	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8
78.75°	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4
77.5°	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9
76.25°	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
75°	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8
73.75°	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3
72.5°	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
71.25°	8.0	7.9	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0
70°	8.6	8.5	8.3	8.1	8.0	7.8	7.7	7.6	7.5	7.4	7.3
68.75°	9.2	9.1	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.7	7.5
67.5°	10.0	9.8	9.6	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9
66.25°	10.8	10.5	10.3	10.1	9.8	9.6	9.3	9.1	8.8	8.6	8.4
65°	11.6	11.3	11.0	10.8	10.5	10.3	10.0	9.7	9.4	9.1	8.9
63.75°	12.6	12.2	11.9	11.6	11.3	11.0	10.7	10.4	10.1	9.8	9.4
62.5°	13.5	13.1	12.8	12.5	12.1	11.8	11.4	11.0	10.7	10.4	10.1
61.25°	14.6	14.2	13.7	13.3	13.0	12.6	12.2	11.8	11.4	11.0	10.7
60°	15.6	15.2	14.8	14.3	13.9	13.4	13.0	12.6	12.2	11.7	11.3
58.75°	16.7	16.3	15.8	15.3	14.9	14.4	13.9	13.4	12.9	12.5	12.0
57.5°	17.8	17.3	16.8	16.3	15.9	15.3	14.8	14.3	13.8	13.2	12.8
56.25°	18.8	18.3	17.8	17.3	16.8	16.3	15.8	15.2	14.7	14.1	13.5
55°	19.5	19.2	18.8	18.3	17.8	17.2	16.7	16.1	15.5	14.9	14.3
53.75°	20.3	19.9	19.5	19.2	18.8	18.2	17.6	17.0	16.4	15.8	15.2
52.5°	21.0	20.6	20.2	19.8	19.4	19.0	18.5	17.9	17.3	16.6	16.0
51.25°	21.7	21.3	20.9	20.5	20.1	19.7	19.2	18.8	18.1	17.5	16.8
50°	22.5	22.0	21.6	21.2	20.8	20.3	19.9	19.4	18.9	18.3	17.6
48.75°	23.0	22.7	22.3	21.9	21.4	21.0	20.5	20.0	19.5	19.0	18.4
47.5°	23.6	23.3	22.9	22.5	22.1	21.6	21.1	20.6	20.1	19.6	19.1
46.25°	24.1	23.8	23.4	23.1	22.7	22.2	21.7	21.2	20.7	20.1	19.6
45°	24.6	24.3	24.0	23.6	23.2	22.8	22.3	21.8	21.2	20.7	20.1
43.75°	25.0	24.7	24.4	24.1	23.7	23.3	22.8	22.4	21.8	21.2	20.7
42.5°	25.4	25.1	24.8	24.5	24.1	23.7	23.3	22.9	22.4	21.8	21.2
41.25°	25.8	25.5	25.2	24.9	24.5	24.2	23.8	23.3	22.8	22.3	21.7
40°	26.2	25.9	25.6	25.3	24.9	24.5	24.2	23.7	23.3	22.8	22.2
38.75°	26.5	26.3	25.9	25.6	25.3	24.9	24.5	24.1	23.7	23.2	22.7
37.5°	26.8	26.6	26.3	26.0	25.6	25.3	24.9	24.5	24.1	23.6	23.1
36.25°	27.1	26.8	26.6	26.3	25.9	25.6	25.2	24.8	24.4	24.0	23.4
35°	27.3	27.1	26.8	26.6	26.3	25.9	25.5	25.1	24.7	24.3	23.8



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	27.4	27.3	27.1	26.8	26.5	26.2	25.8	25.4	25.0	24.6	24.1
32.5°	27.5	27.4	27.3	27.0	26.8	26.5	26.1	25.7	25.3	24.9	24.4
31.25°	27.7	27.5	27.4	27.2	27.0	26.7	26.4	26.0	25.6	25.2	24.7
30°	27.9	27.7	27.5	27.3	27.2	26.9	26.6	26.3	25.8	25.4	25.0
28.75°	28.1	27.9	27.6	27.5	27.3	27.1	26.8	26.5	26.1	25.7	25.2
27.5°	28.3	28.0	27.8	27.6	27.4	27.2	27.0	26.7	26.3	25.9	25.4
26.25°	28.6	28.2	28.0	27.7	27.5	27.3	27.2	26.8	26.5	26.1	25.7
25°	29.0	28.5	28.1	27.9	27.6	27.4	27.3	27.0	26.7	26.3	25.9
23.75°	29.3	28.8	28.3	28.0	27.8	27.5	27.4	27.2	26.8	26.5	26.1
22.5°	29.7	29.1	28.6	28.2	27.9	27.6	27.4	27.3	27.0	26.7	26.3
21.25°	30.4	29.4	28.9	28.4	28.1	27.8	27.5	27.3	27.1	26.8	26.4
20°	31.0	29.9	29.2	28.6	28.2	27.9	27.6	27.4	27.2	26.9	26.6
18.75°	31.6	30.4	29.4	28.9	28.3	28.0	27.7	27.5	27.3	27.1	26.7
17.5°	32.2	31.0	29.8	29.1	28.6	28.1	27.8	27.5	27.4	27.2	26.8
16.25°	33.5	31.5	30.3	29.3	28.8	28.3	27.9	27.6	27.4	27.2	26.9
15°	34.9	32.0	30.8	29.5	29.0	28.4	28.0	27.7	27.5	27.3	27.0
13.75°	36.1	32.8	31.2	29.9	29.1	28.6	28.1	27.8	27.5	27.3	27.1
12.5°	37.3	33.9	31.6	30.3	29.3	28.7	28.2	27.9	27.6	27.4	27.2
11.25°	38.4	35.0	32.0	30.7	29.5	28.9	28.3	28.0	27.6	27.4	27.2
10°	39.3	35.9	32.4	31.0	29.7	29.0	28.4	28.0	27.7	27.5	27.3
8.75°	40.9	36.7	33.2	31.3	30.0	29.1	28.5	28.1	27.8	27.5	27.3
7.5°	42.5	37.4	33.9	31.5	30.2	29.2	28.6	28.2	27.8	27.5	27.3
6.25°	43.7	38.0	34.5	31.7	30.4	29.3	28.7	28.2	27.9	27.5	27.3
5°	44.8	38.5	34.9	31.9	30.6	29.4	28.8	28.2	27.9	27.6	27.4
3.75°	45.6	38.9	35.3	32.0	30.7	29.4	28.8	28.3	27.9	27.6	27.4
2.5°	46.2	39.2	35.6	32.1	30.8	29.5	28.9	28.3	27.9	27.6	27.4
1.25°	46.6	39.3	35.7	32.2	30.8	29.5	28.9	28.3	27.9	27.6	27.4
0°	46.7	39.4	35.8	32.2	30.9	29.5	28.9	28.3	28.0	27.6	27.4
-1.25°	46.6	39.3	35.7	32.2	30.8	29.5	28.9	28.3	27.9	27.6	27.4
-2.5°	46.2	39.2	35.6	32.1	30.8	29.5	28.9	28.3	27.9	27.6	27.4
-3.75°	45.6	38.9	35.3	32.0	30.7	29.4	28.8	28.3	27.9	27.6	27.4
-5°	44.8	38.5	34.9	31.9	30.6	29.4	28.8	28.2	27.9	27.6	27.4
-6.25°	43.7	38.0	34.5	31.7	30.4	29.3	28.7	28.2	27.9	27.5	27.3
-7.5°	42.5	37.4	33.9	31.5	30.2	29.2	28.6	28.2	27.8	27.5	27.3
-8.75°	40.9	36.7	33.2	31.3	30.0	29.1	28.5	28.1	27.8	27.5	27.3
-10°	39.3	35.9	32.4	31.0	29.7	29.0	28.4	28.0	27.7	27.5	27.3
-11.25°	38.4	35.0	32.0	30.7	29.5	28.9	28.3	28.0	27.6	27.4	27.2
-12.5°	37.3	33.9	31.6	30.3	29.3	28.7	28.2	27.9	27.6	27.4	27.2
-13.75°	36.1	32.8	31.2	29.9	29.1	28.6	28.1	27.8	27.5	27.3	27.1
-15°	34.9	32.0	30.8	29.5	29.0	28.4	28.0	27.7	27.5	27.3	27.0
-16.25°	33.5	31.5	30.3	29.3	28.8	28.3	27.9	27.6	27.4	27.2	26.9
-17.5°	32.2	31.0	29.8	29.1	28.6	28.1	27.8	27.5	27.4	27.2	26.8
-18.75°	31.6	30.4	29.4	28.9	28.3	28.0	27.7	27.5	27.3	27.1	26.7
-20°	31.0	29.9	29.2	28.6	28.2	27.9	27.6	27.4	27.2	26.9	26.6
-21.25°	30.4	29.4	28.9	28.4	28.1	27.8	27.5	27.3	27.1	26.8	26.4



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	29.7	29.1	28.6	28.2	27.9	27.6	27.4	27.3	27.0	26.7	26.3
-23.75°	29.3	28.8	28.3	28.0	27.8	27.5	27.4	27.2	26.8	26.5	26.1
-25°	29.0	28.5	28.1	27.9	27.6	27.4	27.3	27.0	26.7	26.3	25.9
-26.25°	28.6	28.2	28.0	27.7	27.5	27.3	27.2	26.8	26.5	26.1	25.7
-27.5°	28.3	28.0	27.8	27.6	27.4	27.2	27.0	26.7	26.3	25.9	25.4
-28.75°	28.1	27.9	27.6	27.5	27.3	27.1	26.8	26.5	26.1	25.7	25.2
-30°	27.9	27.7	27.5	27.3	27.2	26.9	26.6	26.3	25.8	25.4	25.0
-31.25°	27.7	27.5	27.4	27.2	27.0	26.7	26.4	26.0	25.6	25.2	24.7
-32.5°	27.5	27.4	27.3	27.0	26.8	26.5	26.1	25.7	25.3	24.9	24.4
-33.75°	27.4	27.3	27.1	26.8	26.5	26.2	25.8	25.4	25.0	24.6	24.1
-35°	27.3	27.1	26.8	26.6	26.3	25.9	25.5	25.1	24.7	24.3	23.8
-36.25°	27.1	26.8	26.6	26.3	25.9	25.6	25.2	24.8	24.4	24.0	23.4
-37.5°	26.8	26.6	26.3	26.0	25.6	25.3	24.9	24.5	24.1	23.6	23.1
-38.75°	26.5	26.3	25.9	25.6	25.3	24.9	24.5	24.1	23.7	23.2	22.7
-40°	26.2	25.9	25.6	25.3	24.9	24.5	24.2	23.7	23.3	22.8	22.2
-41.25°	25.8	25.5	25.2	24.9	24.5	24.2	23.8	23.3	22.8	22.3	21.7
-42.5°	25.4	25.1	24.8	24.5	24.1	23.7	23.3	22.9	22.4	21.8	21.2
-43.75°	25.0	24.7	24.4	24.1	23.7	23.3	22.8	22.4	21.8	21.2	20.7
-45°	24.6	24.3	24.0	23.6	23.2	22.8	22.3	21.8	21.2	20.7	20.1
-46.25°	24.1	23.8	23.4	23.1	22.7	22.2	21.7	21.2	20.7	20.1	19.6
-47.5°	23.6	23.3	22.9	22.5	22.1	21.6	21.1	20.6	20.1	19.6	19.1
-48.75°	23.0	22.7	22.3	21.9	21.4	21.0	20.5	20.0	19.5	19.0	18.4
-50°	22.5	22.0	21.6	21.2	20.8	20.3	19.9	19.4	18.9	18.3	17.6
-51.25°	21.7	21.3	20.9	20.5	20.1	19.7	19.2	18.8	18.1	17.5	16.8
-52.5°	21.0	20.6	20.2	19.8	19.4	19.0	18.5	17.9	17.3	16.6	16.0
-53.75°	20.3	19.9	19.5	19.2	18.8	18.2	17.6	17.0	16.4	15.8	15.2
-55°	19.5	19.2	18.8	18.3	17.8	17.2	16.7	16.1	15.5	14.9	14.3
-56.25°	18.8	18.3	17.8	17.3	16.8	16.3	15.8	15.2	14.7	14.1	13.5
-57.5°	17.8	17.3	16.8	16.3	15.9	15.3	14.8	14.3	13.8	13.2	12.8
-58.75°	16.7	16.3	15.8	15.3	14.9	14.4	13.9	13.4	12.9	12.5	12.0
-60°	15.6	15.2	14.8	14.3	13.9	13.4	13.0	12.6	12.2	11.7	11.3
-61.25°	14.6	14.2	13.7	13.3	13.0	12.6	12.2	11.8	11.4	11.0	10.7
-62.5°	13.5	13.1	12.8	12.5	12.1	11.8	11.4	11.0	10.7	10.4	10.1
-63.75°	12.6	12.2	11.9	11.6	11.3	11.0	10.7	10.4	10.1	9.8	9.4
-65°	11.6	11.3	11.0	10.8	10.5	10.3	10.0	9.7	9.4	9.1	8.9
-66.25°	10.8	10.5	10.3	10.1	9.8	9.6	9.3	9.1	8.8	8.6	8.4
-67.5°	10.0	9.8	9.6	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9
-68.75°	9.2	9.1	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.7	7.5
-70°	8.6	8.5	8.3	8.1	8.0	7.8	7.7	7.6	7.5	7.4	7.3
-71.25°	8.0	7.9	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0
-72.5°	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7
-73.75°	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3
-75°	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8
-76.25°	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4
-77.5°	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-80°	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8
-81.25°	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3
-82.5°	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.9	2.8
-83.75°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.3
-85°	2.2	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.7
-86.25°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2
-87.5°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
86.25°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8
85°	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1
83.75°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5
82.5°	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9
81.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
80°	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
78.75°	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1
77.5°	4.7	4.6	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.6	3.4
76.25°	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.1	3.9	3.8
75°	5.7	5.6	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3	4.2
73.75°	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5
72.5°	6.5	6.4	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
71.25°	6.9	6.8	6.6	6.5	6.3	6.2	6.0	5.8	5.7	5.5	5.2
70°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.8	5.6
68.75°	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9
67.5°	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8	6.6	6.4	6.2
66.25°	8.2	7.9	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.5
65°	8.7	8.4	8.2	7.9	7.7	7.5	7.4	7.2	7.1	7.0	6.8
63.75°	9.1	8.9	8.6	8.3	8.1	7.8	7.6	7.5	7.3	7.1	7.0
62.5°	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.7	7.5	7.3	7.2
61.25°	10.3	10.0	9.6	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.4
60°	10.9	10.5	10.1	9.8	9.4	9.0	8.7	8.4	8.1	7.7	7.5
58.75°	11.6	11.1	10.7	10.3	9.9	9.5	9.1	8.8	8.4	8.1	7.7
57.5°	12.3	11.8	11.3	10.8	10.4	10.0	9.5	9.1	8.8	8.4	8.1
56.25°	13.0	12.5	11.9	11.4	10.9	10.5	10.0	9.6	9.1	8.8	8.4
55°	13.7	13.1	12.6	12.1	11.5	11.0	10.5	10.0	9.5	9.1	8.7
53.75°	14.5	13.9	13.3	12.7	12.1	11.5	11.0	10.5	10.0	9.5	9.0
52.5°	15.3	14.7	14.0	13.3	12.7	12.1	11.5	10.9	10.4	9.9	9.4
51.25°	16.1	15.4	14.7	14.0	13.3	12.7	12.1	11.4	10.8	10.3	9.8
50°	16.9	16.2	15.5	14.7	14.0	13.3	12.6	11.9	11.3	10.7	10.1
48.75°	17.7	16.9	16.2	15.4	14.7	13.9	13.1	12.5	11.8	11.1	10.5
47.5°	18.4	17.7	16.9	16.1	15.3	14.5	13.7	13.0	12.3	11.6	10.9
46.25°	19.1	18.4	17.6	16.8	16.0	15.2	14.3	13.5	12.8	12.0	11.3
45°	19.6	19.0	18.3	17.5	16.6	15.8	14.9	14.1	13.2	12.5	11.7
43.75°	20.1	19.5	18.9	18.1	17.3	16.4	15.5	14.7	13.8	12.9	12.2
42.5°	20.6	20.0	19.4	18.8	17.9	17.0	16.1	15.2	14.3	13.4	12.6
41.25°	21.1	20.5	19.9	19.2	18.5	17.6	16.7	15.8	14.8	13.9	13.0
40°	21.6	21.0	20.3	19.7	19.0	18.2	17.2	16.3	15.3	14.4	13.4
38.75°	22.1	21.4	20.8	20.1	19.4	18.8	17.8	16.8	15.9	14.9	13.9
37.5°	22.5	21.9	21.2	20.5	19.8	19.2	18.3	17.3	16.3	15.3	14.3
36.25°	22.9	22.3	21.6	20.9	20.2	19.5	18.8	17.8	16.8	15.8	14.8
35°	23.3	22.7	22.0	21.3	20.6	19.9	19.2	18.3	17.3	16.3	15.2



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**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	23.6	23.0	22.5	21.7	21.0	20.3	19.5	18.8	17.8	16.7	15.6
32.5°	23.9	23.4	22.8	22.1	21.4	20.6	19.9	19.1	18.2	17.1	16.0
31.25°	24.2	23.7	23.1	22.5	21.7	21.0	20.2	19.5	18.6	17.5	16.4
30°	24.5	24.0	23.4	22.8	22.1	21.3	20.5	19.8	19.0	17.9	16.8
28.75°	24.7	24.3	23.7	23.1	22.4	21.6	20.8	20.1	19.3	18.3	17.2
27.5°	25.0	24.5	24.0	23.3	22.7	21.9	21.1	20.3	19.5	18.7	17.5
26.25°	25.2	24.7	24.2	23.6	23.0	22.2	21.4	20.6	19.8	19.0	17.9
25°	25.4	24.9	24.4	23.8	23.2	22.5	21.7	20.9	20.0	19.2	18.2
23.75°	25.6	25.1	24.6	24.1	23.4	22.8	22.0	21.1	20.3	19.4	18.5
22.5°	25.8	25.3	24.8	24.3	23.6	23.0	22.2	21.4	20.5	19.7	18.8
21.25°	26.0	25.5	25.0	24.4	23.8	23.2	22.5	21.6	20.7	19.9	19.0
20°	26.1	25.6	25.1	24.6	24.0	23.4	22.7	21.8	20.9	20.1	19.2
18.75°	26.3	25.8	25.3	24.7	24.2	23.5	22.8	22.0	21.1	20.3	19.4
17.5°	26.4	25.9	25.4	24.9	24.3	23.7	23.0	22.2	21.3	20.4	19.5
16.25°	26.5	26.1	25.6	25.0	24.5	23.9	23.1	22.4	21.5	20.6	19.7
15°	26.6	26.2	25.7	25.2	24.6	24.0	23.3	22.6	21.7	20.8	19.8
13.75°	26.7	26.3	25.8	25.3	24.7	24.1	23.4	22.7	21.8	20.9	20.0
12.5°	26.8	26.4	25.9	25.4	24.8	24.2	23.5	22.8	21.9	21.0	20.1
11.25°	26.9	26.5	26.0	25.5	24.9	24.3	23.6	22.9	22.1	21.1	20.2
10°	26.9	26.6	26.1	25.5	25.0	24.4	23.7	23.0	22.2	21.2	20.3
8.75°	27.0	26.6	26.2	25.6	25.1	24.5	23.8	23.1	22.3	21.3	20.4
7.5°	27.1	26.7	26.2	25.7	25.1	24.5	23.9	23.2	22.4	21.4	20.5
6.25°	27.1	26.7	26.3	25.7	25.2	24.6	24.0	23.2	22.4	21.5	20.6
5°	27.1	26.7	26.3	25.8	25.2	24.6	24.0	23.3	22.5	21.5	20.6
3.75°	27.2	26.8	26.4	25.8	25.3	24.7	24.0	23.3	22.5	21.6	20.6
2.5°	27.2	26.8	26.4	25.8	25.3	24.7	24.1	23.3	22.6	21.6	20.7
1.25°	27.2	26.8	26.4	25.8	25.3	24.7	24.1	23.3	22.6	21.6	20.7
0°	27.2	26.8	26.4	25.9	25.3	24.7	24.1	23.4	22.6	21.7	20.7
-1.25°	27.2	26.8	26.4	25.8	25.3	24.7	24.1	23.3	22.6	21.6	20.7
-2.5°	27.2	26.8	26.4	25.8	25.3	24.7	24.1	23.3	22.6	21.6	20.7
-3.75°	27.2	26.8	26.4	25.8	25.3	24.7	24.0	23.3	22.5	21.6	20.6
-5°	27.1	26.7	26.3	25.8	25.2	24.6	24.0	23.3	22.5	21.5	20.6
-6.25°	27.1	26.7	26.3	25.7	25.2	24.6	24.0	23.2	22.4	21.5	20.6
-7.5°	27.1	26.7	26.2	25.7	25.1	24.5	23.9	23.2	22.4	21.4	20.5
-8.75°	27.0	26.6	26.2	25.6	25.1	24.5	23.8	23.1	22.3	21.3	20.4
-10°	26.9	26.6	26.1	25.5	25.0	24.4	23.7	23.0	22.2	21.2	20.3
-11.25°	26.9	26.5	26.0	25.5	24.9	24.3	23.6	22.9	22.1	21.1	20.2
-12.5°	26.8	26.4	25.9	25.4	24.8	24.2	23.5	22.8	21.9	21.0	20.1
-13.75°	26.7	26.3	25.8	25.3	24.7	24.1	23.4	22.7	21.8	20.9	20.0
-15°	26.6	26.2	25.7	25.2	24.6	24.0	23.3	22.6	21.7	20.8	19.8
-16.25°	26.5	26.1	25.6	25.0	24.5	23.9	23.1	22.4	21.5	20.6	19.7
-17.5°	26.4	25.9	25.4	24.9	24.3	23.7	23.0	22.2	21.3	20.4	19.5
-18.75°	26.3	25.8	25.3	24.7	24.2	23.5	22.8	22.0	21.1	20.3	19.4
-20°	26.1	25.6	25.1	24.6	24.0	23.4	22.7	21.8	20.9	20.1	19.2
-21.25°	26.0	25.5	25.0	24.4	23.8	23.2	22.5	21.6	20.7	19.9	19.0





REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	25.8	25.3	24.8	24.3	23.6	23.0	22.2	21.4	20.5	19.7	18.8
-23.75°	25.6	25.1	24.6	24.1	23.4	22.8	22.0	21.1	20.3	19.4	18.5
-25°	25.4	24.9	24.4	23.8	23.2	22.5	21.7	20.9	20.0	19.2	18.2
-26.25°	25.2	24.7	24.2	23.6	23.0	22.2	21.4	20.6	19.8	19.0	17.9
-27.5°	25.0	24.5	24.0	23.3	22.7	21.9	21.1	20.3	19.5	18.7	17.5
-28.75°	24.7	24.3	23.7	23.1	22.4	21.6	20.8	20.1	19.3	18.3	17.2
-30°	24.5	24.0	23.4	22.8	22.1	21.3	20.5	19.8	19.0	17.9	16.8
-31.25°	24.2	23.7	23.1	22.5	21.7	21.0	20.2	19.5	18.6	17.5	16.4
-32.5°	23.9	23.4	22.8	22.1	21.4	20.6	19.9	19.1	18.2	17.1	16.0
-33.75°	23.6	23.0	22.5	21.7	21.0	20.3	19.5	18.8	17.8	16.7	15.6
-35°	23.3	22.7	22.0	21.3	20.6	19.9	19.2	18.3	17.3	16.3	15.2
-36.25°	22.9	22.3	21.6	20.9	20.2	19.5	18.8	17.8	16.8	15.8	14.8
-37.5°	22.5	21.9	21.2	20.5	19.8	19.2	18.3	17.3	16.3	15.3	14.3
-38.75°	22.1	21.4	20.8	20.1	19.4	18.8	17.8	16.8	15.9	14.9	13.9
-40°	21.6	21.0	20.3	19.7	19.0	18.2	17.2	16.3	15.3	14.4	13.4
-41.25°	21.1	20.5	19.9	19.2	18.5	17.6	16.7	15.8	14.8	13.9	13.0
-42.5°	20.6	20.0	19.4	18.8	17.9	17.0	16.1	15.2	14.3	13.4	12.6
-43.75°	20.1	19.5	18.9	18.1	17.3	16.4	15.5	14.7	13.8	12.9	12.2
-45°	19.6	19.0	18.3	17.5	16.6	15.8	14.9	14.1	13.2	12.5	11.7
-46.25°	19.1	18.4	17.6	16.8	16.0	15.2	14.3	13.5	12.8	12.0	11.3
-47.5°	18.4	17.7	16.9	16.1	15.3	14.5	13.7	13.0	12.3	11.6	10.9
-48.75°	17.7	16.9	16.2	15.4	14.7	13.9	13.1	12.5	11.8	11.1	10.5
-50°	16.9	16.2	15.5	14.7	14.0	13.3	12.6	11.9	11.3	10.7	10.1
-51.25°	16.1	15.4	14.7	14.0	13.3	12.7	12.1	11.4	10.8	10.3	9.8
-52.5°	15.3	14.7	14.0	13.3	12.7	12.1	11.5	10.9	10.4	9.9	9.4
-53.75°	14.5	13.9	13.3	12.7	12.1	11.5	11.0	10.5	10.0	9.5	9.0
-55°	13.7	13.1	12.6	12.1	11.5	11.0	10.5	10.0	9.5	9.1	8.7
-56.25°	13.0	12.5	11.9	11.4	10.9	10.5	10.0	9.6	9.1	8.8	8.4
-57.5°	12.3	11.8	11.3	10.8	10.4	10.0	9.5	9.1	8.8	8.4	8.1
-58.75°	11.6	11.1	10.7	10.3	9.9	9.5	9.1	8.8	8.4	8.1	7.7
-60°	10.9	10.5	10.1	9.8	9.4	9.0	8.7	8.4	8.1	7.7	7.5
-61.25°	10.3	10.0	9.6	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.4
-62.5°	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.7	7.5	7.3	7.2
-63.75°	9.1	8.9	8.6	8.3	8.1	7.8	7.6	7.5	7.3	7.1	7.0
-65°	8.7	8.4	8.2	7.9	7.7	7.5	7.4	7.2	7.1	7.0	6.8
-66.25°	8.2	7.9	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.5
-67.5°	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8	6.6	6.4	6.2
-68.75°	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9
-70°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.2	6.0	5.8	5.6
-71.25°	6.9	6.8	6.6	6.5	6.3	6.2	6.0	5.8	5.7	5.5	5.2
-72.5°	6.5	6.4	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1	4.9
-73.75°	6.1	6.0	5.9	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5
-75°	5.7	5.6	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3	4.2
-76.25°	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.3	4.1	3.9	3.8
-77.5°	4.7	4.6	4.5	4.4	4.2	4.1	4.0	3.8	3.7	3.6	3.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1
-80°	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-81.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3
-82.5°	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9
-83.75°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5
-85°	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1
-86.25°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
-88.75°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**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°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
86.25°	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
85°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
83.75°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8
82.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9
81.25°	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1
80°	2.6	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3
78.75°	2.9	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.7	1.5
77.5°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7
76.25°	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9
75°	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.6	2.4	2.2
73.75°	4.3	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4
72.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.6
71.25°	5.0	4.8	4.6	4.4	4.2	3.9	3.7	3.5	3.3	3.0	2.8
70°	5.4	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.5	3.2	3.0
68.75°	5.7	5.5	5.2	5.0	4.7	4.5	4.2	4.0	3.7	3.5	3.2
67.5°	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4
66.25°	6.3	6.0	5.8	5.6	5.3	5.0	4.7	4.5	4.2	3.9	3.6
65°	6.5	6.3	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8
63.75°	6.8	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
62.5°	7.0	6.8	6.6	6.3	6.0	5.8	5.5	5.2	4.8	4.5	4.2
61.25°	7.2	7.0	6.8	6.5	6.3	6.0	5.7	5.4	5.0	4.7	4.3
60°	7.4	7.2	7.0	6.8	6.5	6.2	5.9	5.6	5.2	4.9	4.5
58.75°	7.5	7.3	7.1	7.0	6.7	6.4	6.1	5.8	5.5	5.1	4.7
57.5°	7.7	7.5	7.3	7.1	6.9	6.6	6.3	6.0	5.7	5.3	4.9
56.25°	8.0	7.7	7.5	7.2	7.0	6.8	6.5	6.2	5.8	5.5	5.1
55°	8.3	7.9	7.6	7.4	7.2	7.0	6.7	6.3	6.0	5.7	5.2
53.75°	8.6	8.2	7.8	7.5	7.3	7.1	6.8	6.5	6.2	5.8	5.4
52.5°	8.9	8.5	8.1	7.7	7.4	7.2	7.0	6.7	6.3	6.0	5.6
51.25°	9.2	8.8	8.3	7.9	7.6	7.3	7.1	6.8	6.5	6.1	5.7
50°	9.6	9.1	8.6	8.2	7.7	7.5	7.2	7.0	6.6	6.2	5.9
48.75°	10.0	9.4	8.9	8.4	7.9	7.6	7.3	7.1	6.8	6.4	6.0
47.5°	10.3	9.7	9.1	8.7	8.2	7.7	7.4	7.2	6.9	6.5	6.1
46.25°	10.7	10.1	9.4	8.9	8.4	7.9	7.5	7.3	7.0	6.7	6.3
45°	11.0	10.4	9.8	9.1	8.6	8.1	7.7	7.4	7.1	6.8	6.4
43.75°	11.4	10.7	10.1	9.4	8.8	8.3	7.8	7.5	7.2	6.9	6.5
42.5°	11.8	11.0	10.4	9.7	9.1	8.5	8.0	7.6	7.3	7.0	6.6
41.25°	12.2	11.4	10.7	10.0	9.3	8.7	8.2	7.7	7.4	7.1	6.7
40°	12.6	11.8	11.0	10.3	9.6	8.9	8.4	7.8	7.5	7.2	6.8
38.75°	13.0	12.1	11.3	10.5	9.8	9.1	8.6	8.0	7.5	7.2	6.9
37.5°	13.3	12.5	11.6	10.8	10.1	9.3	8.7	8.1	7.6	7.3	7.0
36.25°	13.7	12.8	11.9	11.0	10.3	9.6	8.9	8.3	7.7	7.4	7.1
35°	14.2	13.1	12.2	11.3	10.5	9.8	9.1	8.5	7.9	7.5	7.1



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	14.6	13.5	12.6	11.6	10.8	10.0	9.2	8.6	8.0	7.5	7.2
32.5°	14.9	13.9	12.8	11.9	11.0	10.2	9.4	8.8	8.1	7.6	7.3
31.25°	15.3	14.2	13.1	12.2	11.2	10.4	9.6	8.9	8.3	7.7	7.3
30°	15.7	14.6	13.4	12.5	11.5	10.6	9.8	9.0	8.4	7.8	7.4
28.75°	16.0	14.9	13.7	12.7	11.7	10.8	10.0	9.2	8.5	7.9	7.4
27.5°	16.4	15.2	14.0	13.0	12.0	11.0	10.2	9.3	8.6	8.0	7.5
26.25°	16.7	15.5	14.3	13.2	12.2	11.2	10.3	9.5	8.8	8.1	7.6
25°	17.0	15.8	14.6	13.4	12.4	11.4	10.5	9.6	8.9	8.2	7.6
23.75°	17.3	16.1	14.9	13.7	12.6	11.6	10.6	9.8	9.0	8.3	7.6
22.5°	17.6	16.4	15.1	13.9	12.8	11.7	10.8	9.9	9.1	8.4	7.7
21.25°	17.9	16.6	15.4	14.2	13.0	11.9	10.9	10.0	9.2	8.5	7.8
20°	18.1	16.9	15.6	14.4	13.2	12.1	11.0	10.1	9.3	8.5	7.8
18.75°	18.4	17.1	15.8	14.6	13.3	12.2	11.2	10.3	9.4	8.6	7.9
17.5°	18.6	17.3	16.0	14.8	13.5	12.4	11.3	10.4	9.5	8.7	8.0
16.25°	18.8	17.5	16.2	15.0	13.7	12.5	11.4	10.5	9.6	8.8	8.1
15°	18.9	17.7	16.4	15.1	13.8	12.7	11.6	10.6	9.6	8.8	8.1
13.75°	19.1	17.9	16.6	15.3	14.0	12.8	11.7	10.6	9.7	8.9	8.2
12.5°	19.2	18.0	16.7	15.4	14.1	12.9	11.8	10.7	9.8	8.9	8.2
11.25°	19.3	18.2	16.9	15.5	14.2	13.0	11.9	10.8	9.9	9.0	8.3
10°	19.4	18.3	17.0	15.7	14.3	13.1	11.9	10.9	9.9	9.0	8.3
8.75°	19.5	18.4	17.1	15.8	14.4	13.1	12.0	10.9	10.0	9.1	8.3
7.5°	19.5	18.5	17.2	15.9	14.5	13.2	12.1	11.0	10.0	9.1	8.4
6.25°	19.6	18.6	17.3	15.9	14.6	13.3	12.1	11.0	10.1	9.1	8.4
5°	19.7	18.7	17.3	16.0	14.6	13.3	12.2	11.0	10.1	9.2	8.4
3.75°	19.7	18.7	17.4	16.0	14.7	13.4	12.2	11.1	10.1	9.2	8.4
2.5°	19.7	18.8	17.4	16.1	14.7	13.4	12.2	11.1	10.1	9.2	8.4
1.25°	19.7	18.8	17.4	16.1	14.7	13.4	12.2	11.1	10.1	9.2	8.4
0°	19.8	18.8	17.5	16.1	14.8	13.4	12.3	11.1	10.2	9.2	8.5
-1.25°	19.7	18.8	17.4	16.1	14.7	13.4	12.2	11.1	10.1	9.2	8.4
-2.5°	19.7	18.8	17.4	16.1	14.7	13.4	12.2	11.1	10.1	9.2	8.4
-3.75°	19.7	18.7	17.4	16.0	14.7	13.4	12.2	11.1	10.1	9.2	8.4
-5°	19.7	18.7	17.3	16.0	14.6	13.3	12.2	11.0	10.1	9.2	8.4
-6.25°	19.6	18.6	17.3	15.9	14.6	13.3	12.1	11.0	10.1	9.1	8.4
-7.5°	19.5	18.5	17.2	15.9	14.5	13.2	12.1	11.0	10.0	9.1	8.4
-8.75°	19.5	18.4	17.1	15.8	14.4	13.1	12.0	10.9	10.0	9.1	8.3
-10°	19.4	18.3	17.0	15.7	14.3	13.1	11.9	10.9	9.9	9.0	8.3
-11.25°	19.3	18.2	16.9	15.5	14.2	13.0	11.9	10.8	9.9	9.0	8.3
-12.5°	19.2	18.0	16.7	15.4	14.1	12.9	11.8	10.7	9.8	8.9	8.2
-13.75°	19.1	17.9	16.6	15.3	14.0	12.8	11.7	10.6	9.7	8.9	8.2
-15°	18.9	17.7	16.4	15.1	13.8	12.7	11.6	10.6	9.6	8.8	8.1
-16.25°	18.8	17.5	16.2	15.0	13.7	12.5	11.4	10.5	9.6	8.8	8.1
-17.5°	18.6	17.3	16.0	14.8	13.5	12.4	11.3	10.4	9.5	8.7	8.0
-18.75°	18.4	17.1	15.8	14.6	13.3	12.2	11.2	10.3	9.4	8.6	7.9
-20°	18.1	16.9	15.6	14.4	13.2	12.1	11.0	10.1	9.3	8.5	7.8
-21.25°	17.9	16.6	15.4	14.2	13.0	11.9	10.9	10.0	9.2	8.5	7.8



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**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°	17.6	16.4	15.1	13.9	12.8	11.7	10.8	9.9	9.1	8.4	7.7
-23.75°	17.3	16.1	14.9	13.7	12.6	11.6	10.6	9.8	9.0	8.3	7.6
-25°	17.0	15.8	14.6	13.4	12.4	11.4	10.5	9.6	8.9	8.2	7.6
-26.25°	16.7	15.5	14.3	13.2	12.2	11.2	10.3	9.5	8.8	8.1	7.6
-27.5°	16.4	15.2	14.0	13.0	12.0	11.0	10.2	9.3	8.6	8.0	7.5
-28.75°	16.0	14.9	13.7	12.7	11.7	10.8	10.0	9.2	8.5	7.9	7.4
-30°	15.7	14.6	13.4	12.5	11.5	10.6	9.8	9.0	8.4	7.8	7.4
-31.25°	15.3	14.2	13.1	12.2	11.2	10.4	9.6	8.9	8.3	7.7	7.3
-32.5°	14.9	13.9	12.8	11.9	11.0	10.2	9.4	8.8	8.1	7.6	7.3
-33.75°	14.6	13.5	12.6	11.6	10.8	10.0	9.2	8.6	8.0	7.5	7.2
-35°	14.2	13.1	12.2	11.3	10.5	9.8	9.1	8.5	7.9	7.5	7.1
-36.25°	13.7	12.8	11.9	11.0	10.3	9.6	8.9	8.3	7.7	7.4	7.1
-37.5°	13.3	12.5	11.6	10.8	10.1	9.3	8.7	8.1	7.6	7.3	7.0
-38.75°	13.0	12.1	11.3	10.5	9.8	9.1	8.6	8.0	7.5	7.2	6.9
-40°	12.6	11.8	11.0	10.3	9.6	8.9	8.4	7.8	7.5	7.2	6.8
-41.25°	12.2	11.4	10.7	10.0	9.3	8.7	8.2	7.7	7.4	7.1	6.7
-42.5°	11.8	11.0	10.4	9.7	9.1	8.5	8.0	7.6	7.3	7.0	6.6
-43.75°	11.4	10.7	10.1	9.4	8.8	8.3	7.8	7.5	7.2	6.9	6.5
-45°	11.0	10.4	9.8	9.1	8.6	8.1	7.7	7.4	7.1	6.8	6.4
-46.25°	10.7	10.1	9.4	8.9	8.4	7.9	7.5	7.3	7.0	6.7	6.3
-47.5°	10.3	9.7	9.1	8.7	8.2	7.7	7.4	7.2	6.9	6.5	6.1
-48.75°	10.0	9.4	8.9	8.4	7.9	7.6	7.3	7.1	6.8	6.4	6.0
-50°	9.6	9.1	8.6	8.2	7.7	7.5	7.2	7.0	6.6	6.2	5.9
-51.25°	9.2	8.8	8.3	7.9	7.6	7.3	7.1	6.8	6.5	6.1	5.7
-52.5°	8.9	8.5	8.1	7.7	7.4	7.2	7.0	6.7	6.3	6.0	5.6
-53.75°	8.6	8.2	7.8	7.5	7.3	7.1	6.8	6.5	6.2	5.8	5.4
-55°	8.3	7.9	7.6	7.4	7.2	7.0	6.7	6.3	6.0	5.7	5.2
-56.25°	8.0	7.7	7.5	7.2	7.0	6.8	6.5	6.2	5.8	5.5	5.1
-57.5°	7.7	7.5	7.3	7.1	6.9	6.6	6.3	6.0	5.7	5.3	4.9
-58.75°	7.5	7.3	7.1	7.0	6.7	6.4	6.1	5.8	5.5	5.1	4.7
-60°	7.4	7.2	7.0	6.8	6.5	6.2	5.9	5.6	5.2	4.9	4.5
-61.25°	7.2	7.0	6.8	6.5	6.3	6.0	5.7	5.4	5.0	4.7	4.3
-62.5°	7.0	6.8	6.6	6.3	6.0	5.8	5.5	5.2	4.8	4.5	4.2
-63.75°	6.8	6.6	6.3	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
-65°	6.5	6.3	6.1	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8
-66.25°	6.3	6.0	5.8	5.6	5.3	5.0	4.7	4.5	4.2	3.9	3.6
-67.5°	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4
-68.75°	5.7	5.5	5.2	5.0	4.7	4.5	4.2	4.0	3.7	3.5	3.2
-70°	5.4	5.2	4.9	4.7	4.5	4.2	4.0	3.7	3.5	3.2	3.0
-71.25°	5.0	4.8	4.6	4.4	4.2	3.9	3.7	3.5	3.3	3.0	2.8
-72.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.6
-73.75°	4.3	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4
-75°	4.0	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.6	2.4	2.2
-76.25°	3.6	3.5	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9
-77.5°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.7



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	2.9	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.7	1.5
-80°	2.6	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3
-81.25°	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1
-82.5°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9
-83.75°	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8
-85°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
-86.25°	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
-87.5°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
-88.75°	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



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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°	6.9	6.4	5.9	5.3	4.7	4.1	3.4	2.8	2.2	1.5	0.9
32.5°	6.9	6.5	5.9	5.4	4.8	4.1	3.5	2.9	2.2	1.5	0.9
31.25°	7.0	6.5	6.0	5.5	4.8	4.2	3.5	2.9	2.2	1.6	0.9
30°	7.0	6.6	6.1	5.5	4.9	4.2	3.6	2.9	2.3	1.6	1.0
28.75°	7.1	6.7	6.2	5.6	5.0	4.3	3.6	3.0	2.3	1.6	1.0
27.5°	7.1	6.7	6.2	5.7	5.0	4.4	3.7	3.0	2.3	1.6	1.0
26.25°	7.2	6.8	6.3	5.7	5.1	4.4	3.7	3.1	2.4	1.7	1.0
25°	7.2	6.9	6.3	5.8	5.1	4.5	3.8	3.1	2.4	1.7	1.0
23.75°	7.3	6.9	6.4	5.8	5.2	4.5	3.8	3.1	2.4	1.7	1.0
22.5°	7.3	7.0	6.4	5.9	5.2	4.5	3.9	3.2	2.5	1.7	1.0
21.25°	7.4	7.0	6.5	5.9	5.3	4.6	3.9	3.2	2.5	1.7	1.0
20°	7.4	7.0	6.5	6.0	5.3	4.6	3.9	3.2	2.5	1.8	1.0
18.75°	7.4	7.1	6.6	6.0	5.4	4.7	4.0	3.3	2.5	1.8	1.0
17.5°	7.5	7.1	6.6	6.0	5.4	4.7	4.0	3.3	2.6	1.8	1.0
16.25°	7.5	7.1	6.7	6.1	5.5	4.7	4.0	3.3	2.6	1.8	1.1
15°	7.5	7.1	6.7	6.1	5.5	4.8	4.0	3.3	2.6	1.8	1.1
13.75°	7.6	7.2	6.7	6.1	5.5	4.8	4.1	3.3	2.6	1.8	1.1
12.5°	7.6	7.2	6.8	6.2	5.6	4.8	4.1	3.4	2.6	1.8	1.1
11.25°	7.6	7.2	6.8	6.2	5.6	4.8	4.1	3.4	2.6	1.9	1.1
10°	7.6	7.2	6.8	6.2	5.6	4.9	4.1	3.4	2.7	1.9	1.1
8.75°	7.6	7.2	6.8	6.2	5.6	4.9	4.1	3.4	2.7	1.9	1.1
7.5°	7.7	7.3	6.8	6.3	5.6	4.9	4.2	3.4	2.7	1.9	1.1
6.25°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
5°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
3.75°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
2.5°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
1.25°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
0°	7.7	7.3	6.9	6.3	5.7	5.0	4.2	3.5	2.7	1.9	1.1
-1.25°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-2.5°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-3.75°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-5°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-6.25°	7.7	7.3	6.9	6.3	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-7.5°	7.7	7.3	6.8	6.3	5.6	4.9	4.2	3.4	2.7	1.9	1.1
-8.75°	7.6	7.2	6.8	6.2	5.6	4.9	4.1	3.4	2.7	1.9	1.1
-10°	7.6	7.2	6.8	6.2	5.6	4.9	4.1	3.4	2.7	1.9	1.1
-11.25°	7.6	7.2	6.8	6.2	5.6	4.8	4.1	3.4	2.6	1.9	1.1
-12.5°	7.6	7.2	6.8	6.2	5.6	4.8	4.1	3.4	2.6	1.8	1.1
-13.75°	7.6	7.2	6.7	6.1	5.5	4.8	4.1	3.3	2.6	1.8	1.1
-15°	7.5	7.1	6.7	6.1	5.5	4.8	4.0	3.3	2.6	1.8	1.1
-16.25°	7.5	7.1	6.7	6.1	5.5	4.7	4.0	3.3	2.6	1.8	1.1
-17.5°	7.5	7.1	6.6	6.0	5.4	4.7	4.0	3.3	2.6	1.8	1.0
-18.75°	7.4	7.1	6.6	6.0	5.4	4.7	4.0	3.3	2.5	1.8	1.0
-20°	7.4	7.0	6.5	6.0	5.3	4.6	3.9	3.2	2.5	1.8	1.0
-21.25°	7.4	7.0	6.5	5.9	5.3	4.6	3.9	3.2	2.5	1.7	1.0





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**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	7.3	7.0	6.4	5.9	5.2	4.5	3.9	3.2	2.5	1.7	1.0
-23.75°	7.3	6.9	6.4	5.8	5.2	4.5	3.8	3.1	2.4	1.7	1.0
-25°	7.2	6.9	6.3	5.8	5.1	4.5	3.8	3.1	2.4	1.7	1.0
-26.25°	7.2	6.8	6.3	5.7	5.1	4.4	3.7	3.1	2.4	1.7	1.0
-27.5°	7.1	6.7	6.2	5.7	5.0	4.4	3.7	3.0	2.3	1.6	1.0
-28.75°	7.1	6.7	6.2	5.6	5.0	4.3	3.6	3.0	2.3	1.6	1.0
-30°	7.0	6.6	6.1	5.5	4.9	4.2	3.6	2.9	2.3	1.6	1.0
-31.25°	7.0	6.5	6.0	5.5	4.8	4.2	3.5	2.9	2.2	1.6	0.9
-32.5°	6.9	6.5	5.9	5.4	4.8	4.1	3.5	2.9	2.2	1.5	0.9
-33.75°	6.9	6.4	5.9	5.3	4.7	4.1	3.4	2.8	2.2	1.5	0.9
-35°	6.8	6.3	5.8	5.2	4.6	4.0	3.4	2.8	2.1	1.5	0.9
-36.25°	6.7	6.2	5.7	5.1	4.5	3.9	3.3	2.7	2.1	1.4	0.9
-37.5°	6.6	6.1	5.6	5.0	4.5	3.9	3.3	2.7	2.0	1.4	0.9
-38.75°	6.5	6.0	5.5	5.0	4.4	3.8	3.2	2.6	2.0	1.4	0.9
-40°	6.4	5.9	5.4	4.9	4.3	3.7	3.1	2.6	2.0	1.3	0.8
-41.25°	6.3	5.8	5.3	4.8	4.2	3.6	3.1	2.5	1.9	1.3	0.8
-42.5°	6.2	5.7	5.2	4.7	4.1	3.6	3.0	2.4	1.9	1.3	0.8
-43.75°	6.1	5.6	5.1	4.6	4.0	3.5	2.9	2.4	1.8	1.2	0.8
-45°	6.0	5.5	5.0	4.5	3.9	3.4	2.9	2.3	1.8	1.2	0.8
-46.25°	5.8	5.4	4.9	4.4	3.8	3.3	2.8	2.3	1.7	1.2	0.8
-47.5°	5.7	5.2	4.7	4.2	3.7	3.2	2.7	2.2	1.7	1.1	0.7
-48.75°	5.6	5.1	4.6	4.1	3.6	3.2	2.7	2.1	1.6	1.1	0.7
-50°	5.4	5.0	4.5	4.0	3.5	3.1	2.6	2.1	1.6	1.1	0.7
-51.25°	5.3	4.8	4.4	3.9	3.4	3.0	2.5	2.0	1.5	1.0	0.7
-52.5°	5.1	4.7	4.2	3.8	3.3	2.9	2.4	1.9	1.4	1.0	0.7
-53.75°	5.0	4.5	4.1	3.7	3.2	2.8	2.3	1.9	1.4	1.0	0.7
-55°	4.8	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9	0.6
-56.25°	4.7	4.3	3.8	3.4	3.0	2.6	2.2	1.7	1.3	0.9	0.6
-57.5°	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.6	1.2	0.9	0.6
-58.75°	4.3	3.9	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9	0.6
-60°	4.2	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.8	0.5
-61.25°	4.0	3.6	3.3	2.9	2.6	2.2	1.8	1.4	1.1	0.8	0.5
-62.5°	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.3	1.0	0.8	0.5
-63.75°	3.6	3.3	3.0	2.7	2.3	2.0	1.6	1.3	1.0	0.7	0.5
-65°	3.5	3.2	2.8	2.5	2.2	1.9	1.5	1.2	0.9	0.7	0.5
-66.25°	3.3	3.0	2.7	2.4	2.1	1.7	1.4	1.1	0.9	0.7	0.4
-67.5°	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.8	0.6	0.4
-68.75°	2.9	2.7	2.4	2.1	1.8	1.5	1.2	1.0	0.8	0.6	0.4
-70°	2.7	2.5	2.2	1.9	1.7	1.4	1.1	0.9	0.8	0.6	0.4
-71.25°	2.6	2.3	2.1	1.8	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-72.5°	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-73.75°	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.5	0.3
-75°	2.0	1.8	1.6	1.4	1.1	1.0	0.9	0.7	0.6	0.4	0.3
-76.25°	1.8	1.6	1.4	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-77.5°	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2



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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°	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.3	0.2
-80°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-81.25°	1.0	0.9	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-82.5°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
-83.75°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-85°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-86.25°	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1
-87.5°	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.5	0.0
32.5°	0.5	0.0
31.25°	0.5	0.0
30°	0.5	0.0
28.75°	0.5	0.0
27.5°	0.5	0.0
26.25°	0.5	0.0
25°	0.5	0.0
23.75°	0.5	0.0
22.5°	0.5	0.0
21.25°	0.5	0.0
20°	0.5	0.0
18.75°	0.5	0.0
17.5°	0.5	0.0
16.25°	0.5	0.0
15°	0.5	0.0
13.75°	0.5	0.0
12.5°	0.5	0.0
11.25°	0.5	0.0
10°	0.5	0.0
8.75°	0.5	0.0
7.5°	0.5	0.0
6.25°	0.5	0.0
5°	0.5	0.0
3.75°	0.5	0.0
2.5°	0.5	0.0
1.25°	0.5	0.0
0°	0.5	0.0
-1.25°	0.5	0.0
-2.5°	0.5	0.0
-3.75°	0.5	0.0
-5°	0.5	0.0
-6.25°	0.5	0.0
-7.5°	0.5	0.0
-8.75°	0.5	0.0
-10°	0.5	0.0
-11.25°	0.5	0.0
-12.5°	0.5	0.0
-13.75°	0.5	0.0
-15°	0.5	0.0
-16.25°	0.5	0.0
-17.5°	0.5	0.0
-18.75°	0.5	0.0
-20°	0.5	0.0
-21.25°	0.5	0.0



REPORT NUMBER: P220473 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	0.5	0.0
-23.75°	0.5	0.0
-25°	0.5	0.0
-26.25°	0.5	0.0
-27.5°	0.5	0.0
-28.75°	0.5	0.0
-30°	0.5	0.0
-31.25°	0.5	0.0
-32.5°	0.5	0.0
-33.75°	0.5	0.0
-35°	0.5	0.0
-36.25°	0.4	0.0
-37.5°	0.4	0.0
-38.75°	0.4	0.0
-40°	0.4	0.0
-41.25°	0.4	0.0
-42.5°	0.4	0.0
-43.75°	0.4	0.0
-45°	0.4	0.0
-46.25°	0.4	0.0
-47.5°	0.4	0.0
-48.75°	0.4	0.0
-50°	0.4	0.0
-51.25°	0.3	0.0
-52.5°	0.3	0.0
-53.75°	0.3	0.0
-55°	0.3	0.0
-56.25°	0.3	0.0
-57.5°	0.3	0.0
-58.75°	0.3	0.0
-60°	0.3	0.0
-61.25°	0.3	0.0
-62.5°	0.3	0.0
-63.75°	0.2	0.0
-65°	0.2	0.0
-66.25°	0.2	0.0
-67.5°	0.2	0.0
-68.75°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	0.0
-73.75°	0.2	0.0
-75°	0.1	0.0
-76.25°	0.1	0.0
-77.5°	0.1	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)