

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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

**Test Information**

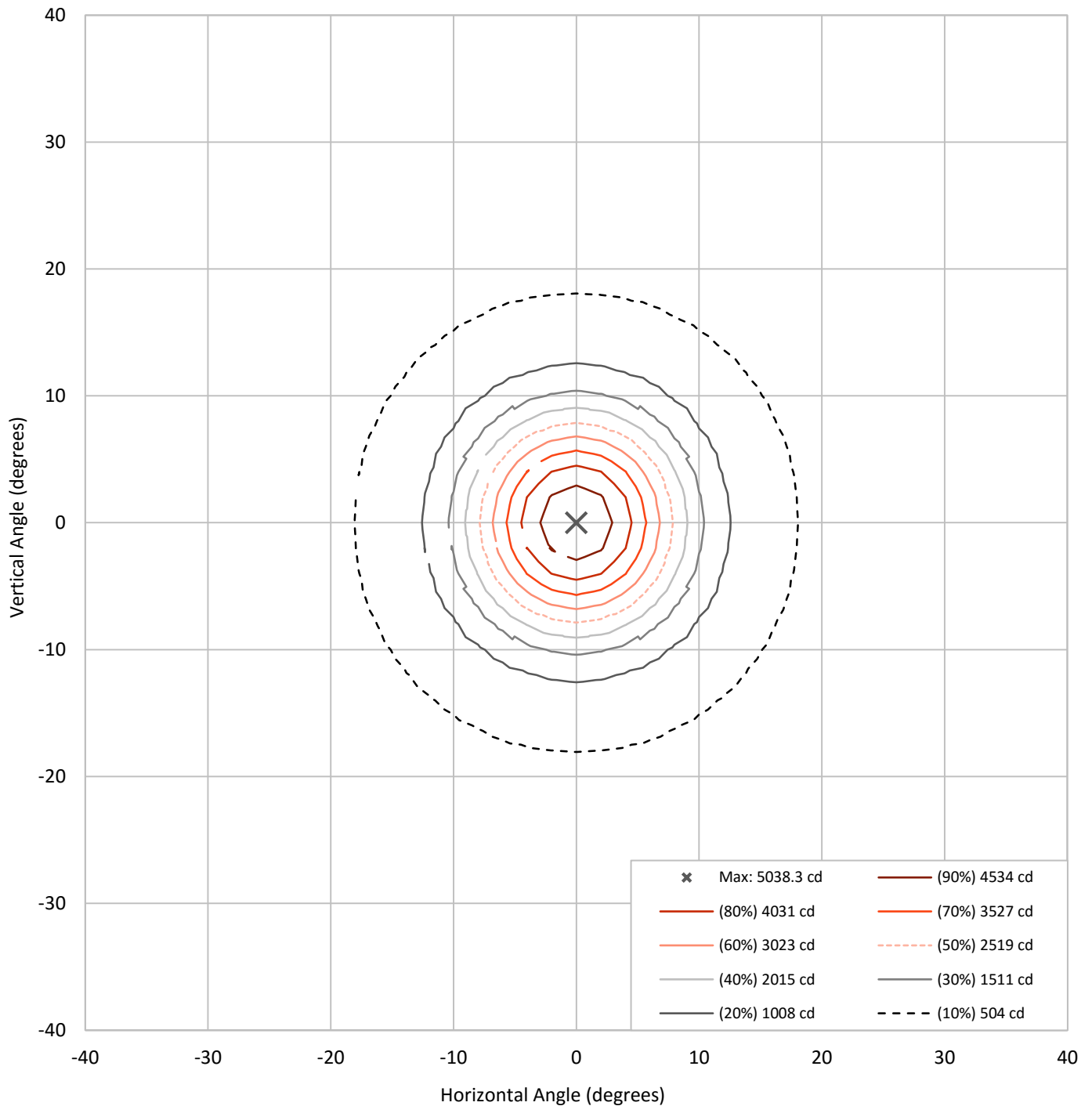
Test Method: LM-79-08  
Report Number: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT  
OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	687.2 lumens	Max Intensity:	5038.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	70.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	209.7 lumens	Field Lumens:	462.7 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
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





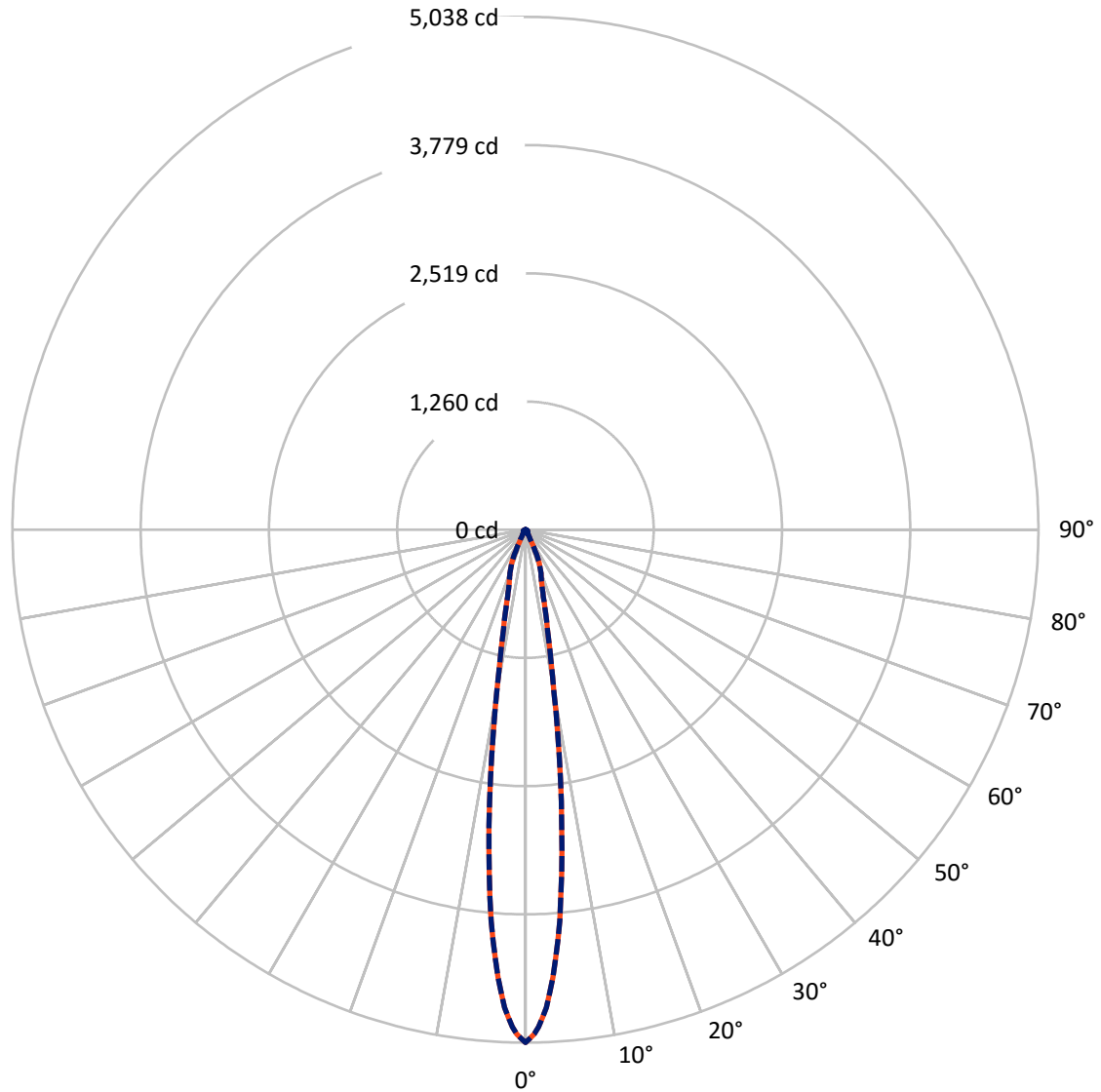
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### Lumen Table

90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
80	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
70	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.3	0.1	0.1			
40		0.2	0.4	0.5	0.7	0.8	0.9	1.1	1.1	0.9	0.8	0.7	0.5	0.4	0.2				
30	0.1	0.2	0.4	0.6	0.7	1.0	2.6	5.8	5.8	2.6	1.0	0.7	0.6	0.4	0.2	0.1			
20		0.2	0.4	0.6	0.8	2.4	11.2	20.7	20.7	11.2	2.4	0.8	0.6	0.4	0.2				
10	0.2	0.2	0.4	0.6	0.9	5.4	20.2	80.6	80.6	20.2	5.4	0.9	0.6	0.4	0.2	0.2			
0		0.2	0.4	0.6	0.9	5.4	20.2	80.6	80.6	20.2	5.4	0.9	0.6	0.4	0.2				
-10	0.1	0.2	0.4	0.6	0.8	2.4	11.2	20.7	20.7	11.2	2.4	0.8	0.6	0.4	0.2	0.1			
-20		0.2	0.4	0.6	0.7	1.0	2.6	5.8	5.8	2.6	1.0	0.7	0.6	0.4	0.2				
-30	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.1	1.1	0.9	0.8	0.7	0.5	0.4	0.2	0.1			
-40		0.1	0.3	0.5	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.5	0.3	0.1				
-50	0.1	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.8	0.7	0.6	0.5	0.4	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1				
-70	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0							0.0			
-80		0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
-90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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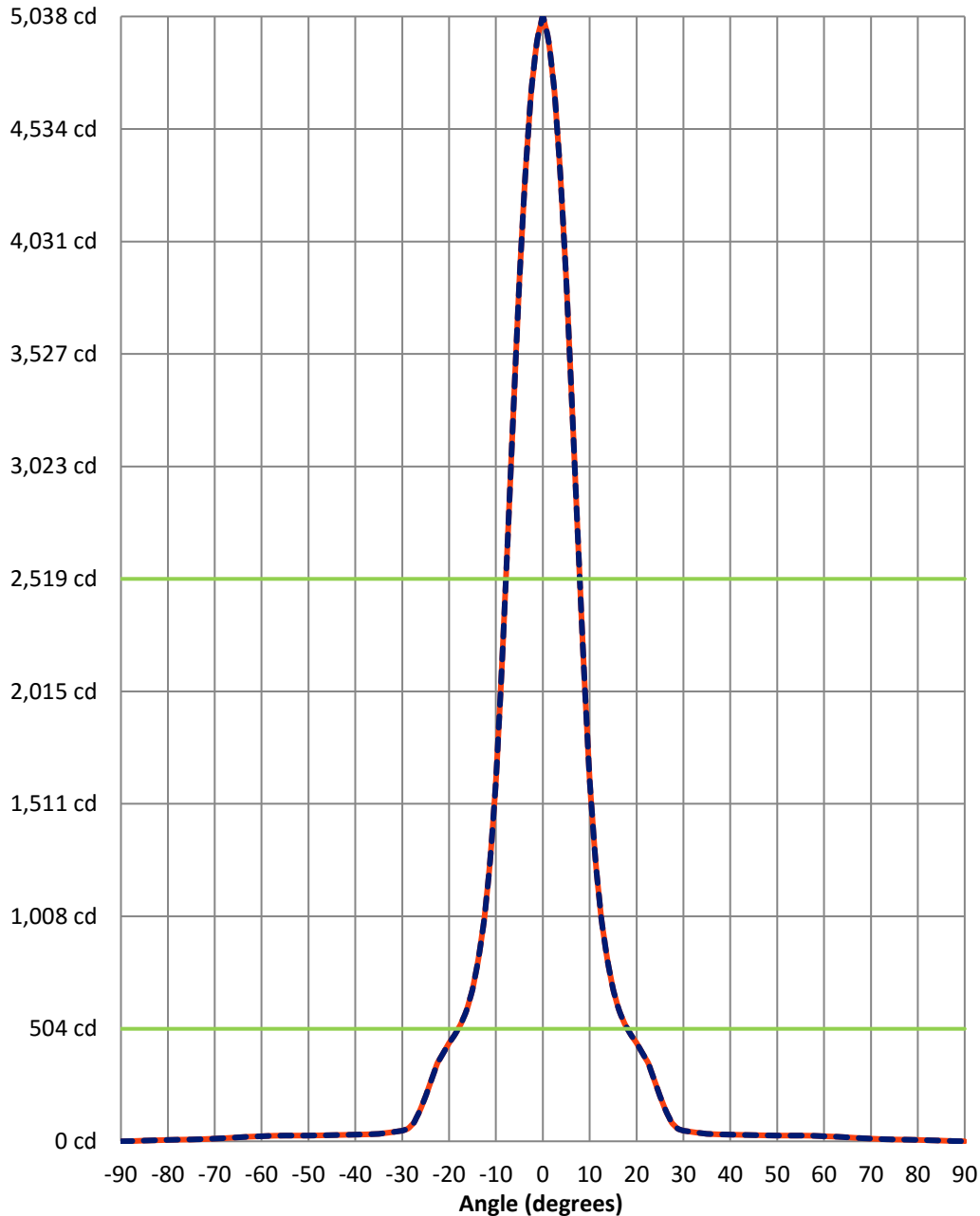
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 15.8°  
 V Angle: 15.8°  
 Lumens: 209.7  
 Efficiency: 30.5%

**Field:**  
 H Angle: 36.1°  
 V Angle: 36.1°  
 Lumens: 462.7  
 Efficiency: 67.3%

**Spill:**  
 Lumens: 224.5  
 Efficiency: 32.7%

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



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.5	0.9	1.6	2.4	3.2	3.8	4.5	5.1	5.7	6.3
32.5°	0.0	0.5	0.9	1.6	2.5	3.3	3.9	4.5	5.2	5.8	6.3
31.25°	0.0	0.5	0.9	1.7	2.5	3.3	3.9	4.6	5.2	5.9	6.4
30°	0.0	0.5	1.0	1.7	2.6	3.3	4.0	4.6	5.3	5.9	6.5
28.75°	0.0	0.5	1.0	1.7	2.6	3.4	4.0	4.7	5.4	6.0	6.6
27.5°	0.0	0.5	1.0	1.8	2.6	3.4	4.1	4.8	5.4	6.1	6.6
26.25°	0.0	0.5	1.0	1.8	2.7	3.5	4.1	4.8	5.5	6.1	6.7
25°	0.0	0.5	1.0	1.8	2.7	3.5	4.2	4.9	5.5	6.2	6.7
23.75°	0.0	0.5	1.0	1.8	2.8	3.5	4.2	4.9	5.6	6.2	6.8
22.5°	0.0	0.5	1.0	1.9	2.8	3.6	4.3	4.9	5.6	6.3	6.8
21.25°	0.0	0.5	1.0	1.9	2.8	3.6	4.3	5.0	5.7	6.3	6.9
20°	0.0	0.5	1.0	1.9	2.9	3.6	4.3	5.0	5.7	6.4	6.9
18.75°	0.0	0.5	1.0	1.9	2.9	3.7	4.4	5.1	5.8	6.4	7.0
17.5°	0.0	0.5	1.0	2.0	2.9	3.7	4.4	5.1	5.8	6.4	7.0
16.25°	0.0	0.5	1.1	2.0	2.9	3.7	4.4	5.1	5.9	6.5	7.1
15°	0.0	0.5	1.1	2.0	3.0	3.7	4.4	5.2	5.9	6.5	7.1
13.75°	0.0	0.5	1.1	2.0	3.0	3.7	4.5	5.2	5.9	6.5	7.1
12.5°	0.0	0.5	1.1	2.0	3.0	3.8	4.5	5.2	6.0	6.6	7.2
11.25°	0.0	0.5	1.1	2.0	3.0	3.8	4.5	5.2	6.0	6.6	7.2
10°	0.0	0.5	1.1	2.1	3.0	3.8	4.5	5.3	6.0	6.6	7.2
8.75°	0.0	0.5	1.1	2.1	3.1	3.8	4.5	5.3	6.0	6.6	7.2
7.5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.0	6.7	7.2
6.25°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
3.75°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
2.5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
1.25°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
0°	0.0	0.5	1.1	2.1	3.1	3.9	4.6	5.4	6.1	6.7	7.3
-1.25°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
-2.5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
-3.75°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
-5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
-6.25°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.1	6.7	7.3
-7.5°	0.0	0.5	1.1	2.1	3.1	3.8	4.6	5.3	6.0	6.7	7.2
-8.75°	0.0	0.5	1.1	2.1	3.1	3.8	4.5	5.3	6.0	6.6	7.2
-10°	0.0	0.5	1.1	2.1	3.0	3.8	4.5	5.3	6.0	6.6	7.2
-11.25°	0.0	0.5	1.1	2.0	3.0	3.8	4.5	5.2	6.0	6.6	7.2
-12.5°	0.0	0.5	1.1	2.0	3.0	3.8	4.5	5.2	6.0	6.6	7.2
-13.75°	0.0	0.5	1.1	2.0	3.0	3.7	4.5	5.2	5.9	6.5	7.1
-15°	0.0	0.5	1.1	2.0	3.0	3.7	4.4	5.2	5.9	6.5	7.1
-16.25°	0.0	0.5	1.1	2.0	2.9	3.7	4.4	5.1	5.9	6.5	7.1
-17.5°	0.0	0.5	1.0	2.0	2.9	3.7	4.4	5.1	5.8	6.4	7.0
-18.75°	0.0	0.5	1.0	1.9	2.9	3.7	4.4	5.1	5.8	6.4	7.0
-20°	0.0	0.5	1.0	1.9	2.9	3.6	4.3	5.0	5.7	6.4	6.9
-21.25°	0.0	0.5	1.0	1.9	2.8	3.6	4.3	5.0	5.7	6.3	6.9





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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	1.9	2.8	3.6	4.3	4.9	5.6	6.3	6.8
-23.75°	0.0	0.5	1.0	1.8	2.8	3.5	4.2	4.9	5.6	6.2	6.8
-25°	0.0	0.5	1.0	1.8	2.7	3.5	4.2	4.9	5.5	6.2	6.7
-26.25°	0.0	0.5	1.0	1.8	2.7	3.5	4.1	4.8	5.5	6.1	6.7
-27.5°	0.0	0.5	1.0	1.8	2.6	3.4	4.1	4.8	5.4	6.1	6.6
-28.75°	0.0	0.5	1.0	1.7	2.6	3.4	4.0	4.7	5.4	6.0	6.6
-30°	0.0	0.5	1.0	1.7	2.6	3.3	4.0	4.6	5.3	5.9	6.5
-31.25°	0.0	0.5	0.9	1.7	2.5	3.3	3.9	4.6	5.2	5.9	6.4
-32.5°	0.0	0.5	0.9	1.6	2.5	3.3	3.9	4.5	5.2	5.8	6.3
-33.75°	0.0	0.5	0.9	1.6	2.4	3.2	3.8	4.5	5.1	5.7	6.3
-35°	0.0	0.5	0.9	1.6	2.4	3.2	3.8	4.4	5.0	5.6	6.2
-36.25°	0.0	0.4	0.9	1.5	2.3	3.1	3.7	4.3	4.9	5.5	6.1
-37.5°	0.0	0.4	0.9	1.5	2.3	3.1	3.7	4.3	4.9	5.4	6.0
-38.75°	0.0	0.4	0.9	1.4	2.2	3.0	3.6	4.2	4.8	5.4	5.9
-40°	0.0	0.4	0.8	1.4	2.2	2.9	3.5	4.1	4.7	5.3	5.8
-41.25°	0.0	0.4	0.8	1.4	2.1	2.9	3.5	4.0	4.6	5.2	5.7
-42.5°	0.0	0.4	0.8	1.3	2.0	2.8	3.4	4.0	4.5	5.1	5.6
-43.75°	0.0	0.4	0.8	1.3	2.0	2.7	3.3	3.9	4.4	5.0	5.5
-45°	0.0	0.4	0.8	1.2	1.9	2.6	3.3	3.8	4.3	4.9	5.4
-46.25°	0.0	0.4	0.8	1.2	1.9	2.6	3.2	3.7	4.2	4.8	5.3
-47.5°	0.0	0.4	0.7	1.1	1.8	2.5	3.1	3.6	4.1	4.6	5.1
-48.75°	0.0	0.4	0.7	1.1	1.7	2.4	3.0	3.6	4.0	4.5	5.0
-50°	0.0	0.4	0.7	1.1	1.7	2.3	3.0	3.5	3.9	4.4	4.9
-51.25°	0.0	0.3	0.7	1.0	1.6	2.2	2.8	3.4	3.8	4.3	4.8
-52.5°	0.0	0.3	0.7	1.0	1.5	2.1	2.7	3.3	3.7	4.2	4.6
-53.75°	0.0	0.3	0.7	1.0	1.5	2.1	2.6	3.2	3.6	4.1	4.5
-55°	0.0	0.3	0.6	0.9	1.4	2.0	2.5	3.1	3.5	4.0	4.4
-56.25°	0.0	0.3	0.6	0.9	1.3	1.9	2.4	3.0	3.4	3.8	4.2
-57.5°	0.0	0.3	0.6	0.9	1.2	1.8	2.3	2.9	3.3	3.7	4.1
-58.75°	0.0	0.3	0.6	0.9	1.2	1.7	2.2	2.7	3.2	3.6	4.0
-60°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	3.1	3.5	3.8
-61.25°	0.0	0.3	0.5	0.8	1.1	1.5	2.0	2.5	2.9	3.3	3.7
-62.5°	0.0	0.3	0.5	0.8	1.0	1.4	1.9	2.3	2.8	3.2	3.5
-63.75°	0.0	0.2	0.5	0.7	1.0	1.3	1.7	2.2	2.6	3.1	3.4
-65°	0.0	0.2	0.5	0.7	0.9	1.2	1.6	2.0	2.5	2.9	3.2
-66.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.5	1.9	2.3	2.7	3.1
-67.5°	0.0	0.2	0.4	0.6	0.8	1.1	1.4	1.8	2.1	2.5	2.9
-68.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.6	2.0	2.3	2.7
-70°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.5	1.8	2.2	2.5
-71.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.7	2.0	2.3
-72.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.5	1.8	2.1
-73.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.6	1.9
-75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.7
-76.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.5
-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	1.3	1.4	1.5	1.6	1.7
81.25°	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.8	1.9	2.0	2.2
80°	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.1	2.3	2.5	2.6
78.75°	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.1
77.5°	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.2	3.4
76.25°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.2	3.4	3.6	3.7
75°	1.9	2.2	2.4	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0
73.75°	2.2	2.4	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
72.5°	2.4	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7
71.25°	2.6	2.9	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8	5.0
70°	2.8	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3
68.75°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.6
67.5°	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.4	5.7	5.9
66.25°	3.4	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.7	6.0	6.2
65°	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.2	6.5
63.75°	3.7	4.0	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.7
62.5°	3.9	4.2	4.6	4.9	5.2	5.6	5.9	6.2	6.4	6.7	7.0
61.25°	4.0	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	6.9	7.2
60°	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2	7.4
58.75°	4.3	4.7	5.1	5.5	5.9	6.2	6.5	6.8	7.1	7.3	7.5
57.5°	4.5	4.9	5.3	5.7	6.1	6.4	6.7	7.0	7.3	7.5	7.6
56.25°	4.7	5.1	5.5	5.9	6.2	6.6	6.9	7.2	7.4	7.6	7.8
55°	4.8	5.2	5.6	6.1	6.4	6.7	7.1	7.4	7.5	7.7	7.9
53.75°	4.9	5.4	5.8	6.2	6.6	6.9	7.2	7.5	7.7	7.9	8.1
52.5°	5.1	5.5	6.0	6.4	6.7	7.1	7.4	7.6	7.8	8.0	8.4
51.25°	5.2	5.7	6.1	6.5	6.9	7.2	7.5	7.7	7.9	8.2	8.7
50°	5.4	5.8	6.3	6.6	7.0	7.4	7.6	7.8	8.0	8.5	9.0
48.75°	5.5	6.0	6.4	6.8	7.2	7.4	7.7	7.9	8.3	8.8	9.3
47.5°	5.6	6.1	6.5	6.9	7.3	7.5	7.8	8.0	8.5	9.0	9.5
46.25°	5.8	6.2	6.7	7.1	7.4	7.6	7.9	8.2	8.7	9.3	9.9
45°	5.9	6.4	6.8	7.2	7.5	7.7	8.0	8.4	9.0	9.5	10.3
43.75°	6.0	6.5	6.9	7.3	7.6	7.8	8.1	8.7	9.2	9.9	10.6
42.5°	6.1	6.6	7.0	7.4	7.6	7.9	8.3	8.9	9.5	10.2	11.0
41.25°	6.2	6.7	7.1	7.5	7.7	8.0	8.5	9.1	9.7	10.5	11.4
40°	6.3	6.8	7.2	7.5	7.8	8.1	8.7	9.3	10.0	10.9	11.7
38.75°	6.4	6.9	7.3	7.6	7.9	8.3	8.9	9.5	10.3	11.2	12.1
37.5°	6.5	7.0	7.4	7.7	7.9	8.5	9.1	9.8	10.6	11.5	12.5
36.25°	6.6	7.1	7.5	7.7	8.0	8.6	9.3	10.0	10.9	11.8	12.8
35°	6.7	7.2	7.5	7.8	8.2	8.8	9.5	10.3	11.2	12.2	13.2



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	6.8	7.3	7.6	7.9	8.3	9.0	9.6	10.6	11.5	12.5	13.5
32.5°	6.9	7.3	7.6	7.9	8.5	9.1	9.9	10.8	11.8	12.8	13.9
31.25°	6.9	7.4	7.7	8.0	8.6	9.3	10.1	11.1	12.0	13.1	14.2
30°	7.0	7.4	7.7	8.1	8.7	9.4	10.3	11.3	12.3	13.4	14.5
28.75°	7.1	7.5	7.8	8.2	8.9	9.6	10.5	11.5	12.6	13.7	14.9
27.5°	7.1	7.5	7.8	8.3	9.0	9.7	10.8	11.8	12.9	14.0	15.2
26.25°	7.2	7.6	7.9	8.4	9.1	9.9	11.0	12.0	13.1	14.3	15.6
25°	7.3	7.6	7.9	8.5	9.2	10.1	11.1	12.2	13.4	14.5	15.9
23.75°	7.3	7.6	8.0	8.6	9.4	10.3	11.3	12.4	13.6	14.8	16.2
22.5°	7.4	7.7	8.0	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.5
21.25°	7.4	7.7	8.1	8.8	9.6	10.6	11.7	12.8	14.0	15.4	16.8
20°	7.4	7.7	8.2	8.9	9.7	10.7	11.8	13.0	14.2	15.6	17.1
18.75°	7.4	7.8	8.2	9.0	9.8	10.9	12.0	13.2	14.4	15.9	17.3
17.5°	7.5	7.8	8.3	9.1	9.9	11.0	12.1	13.4	14.6	16.1	17.5
16.25°	7.5	7.8	8.4	9.1	10.0	11.1	12.3	13.5	14.8	16.3	17.8
15°	7.5	7.9	8.4	9.2	10.1	11.2	12.4	13.7	15.0	16.5	18.0
13.75°	7.5	7.9	8.5	9.3	10.2	11.4	12.5	13.8	15.2	16.7	18.1
12.5°	7.6	7.9	8.5	9.3	10.3	11.4	12.7	13.9	15.3	16.8	18.3
11.25°	7.6	7.9	8.6	9.4	10.4	11.5	12.8	14.0	15.5	17.0	18.5
10°	7.6	7.9	8.6	9.4	10.5	11.6	12.8	14.1	15.6	17.1	18.6
8.75°	7.6	7.9	8.7	9.5	10.5	11.7	12.9	14.2	15.7	17.2	18.7
7.5°	7.6	8.0	8.7	9.5	10.6	11.7	13.0	14.3	15.8	17.3	18.9
6.25°	7.6	8.0	8.7	9.5	10.6	11.8	13.1	14.4	15.9	17.4	18.9
5°	7.6	8.0	8.8	9.6	10.7	11.8	13.1	14.4	15.9	17.5	19.0
3.75°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.4	16.0	17.5	19.1
2.5°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.5	16.0	17.6	19.1
1.25°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.5	16.0	17.6	19.1
0°	7.7	8.0	8.8	9.6	10.8	11.9	13.2	14.5	16.1	17.6	19.2
-1.25°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.5	16.0	17.6	19.1
-2.5°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.5	16.0	17.6	19.1
-3.75°	7.6	8.0	8.8	9.6	10.7	11.9	13.2	14.4	16.0	17.5	19.1
-5°	7.6	8.0	8.8	9.6	10.7	11.8	13.1	14.4	15.9	17.5	19.0
-6.25°	7.6	8.0	8.7	9.5	10.6	11.8	13.1	14.4	15.9	17.4	18.9
-7.5°	7.6	8.0	8.7	9.5	10.6	11.7	13.0	14.3	15.8	17.3	18.9
-8.75°	7.6	7.9	8.7	9.5	10.5	11.7	12.9	14.2	15.7	17.2	18.7
-10°	7.6	7.9	8.6	9.4	10.5	11.6	12.8	14.1	15.6	17.1	18.6
-11.25°	7.6	7.9	8.6	9.4	10.4	11.5	12.8	14.0	15.5	17.0	18.5
-12.5°	7.6	7.9	8.5	9.3	10.3	11.4	12.7	13.9	15.3	16.8	18.3
-13.75°	7.5	7.9	8.5	9.3	10.2	11.4	12.5	13.8	15.2	16.7	18.1
-15°	7.5	7.9	8.4	9.2	10.1	11.2	12.4	13.7	15.0	16.5	18.0
-16.25°	7.5	7.8	8.4	9.1	10.0	11.1	12.3	13.5	14.8	16.3	17.8
-17.5°	7.5	7.8	8.3	9.1	9.9	11.0	12.1	13.4	14.6	16.1	17.5
-18.75°	7.4	7.8	8.2	9.0	9.8	10.9	12.0	13.2	14.4	15.9	17.3
-20°	7.4	7.7	8.2	8.9	9.7	10.7	11.8	13.0	14.2	15.6	17.1
-21.25°	7.4	7.7	8.1	8.8	9.6	10.6	11.7	12.8	14.0	15.4	16.8



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	7.4	7.7	8.0	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.5
-23.75°	7.3	7.6	8.0	8.6	9.4	10.3	11.3	12.4	13.6	14.8	16.2
-25°	7.3	7.6	7.9	8.5	9.2	10.1	11.1	12.2	13.4	14.5	15.9
-26.25°	7.2	7.6	7.9	8.4	9.1	9.9	11.0	12.0	13.1	14.3	15.6
-27.5°	7.1	7.5	7.8	8.3	9.0	9.7	10.8	11.8	12.9	14.0	15.2
-28.75°	7.1	7.5	7.8	8.2	8.9	9.6	10.5	11.5	12.6	13.7	14.9
-30°	7.0	7.4	7.7	8.1	8.7	9.4	10.3	11.3	12.3	13.4	14.5
-31.25°	6.9	7.4	7.7	8.0	8.6	9.3	10.1	11.1	12.0	13.1	14.2
-32.5°	6.9	7.3	7.6	7.9	8.5	9.1	9.9	10.8	11.8	12.8	13.9
-33.75°	6.8	7.3	7.6	7.9	8.3	9.0	9.6	10.6	11.5	12.5	13.5
-35°	6.7	7.2	7.5	7.8	8.2	8.8	9.5	10.3	11.2	12.2	13.2
-36.25°	6.6	7.1	7.5	7.7	8.0	8.6	9.3	10.0	10.9	11.8	12.8
-37.5°	6.5	7.0	7.4	7.7	7.9	8.5	9.1	9.8	10.6	11.5	12.5
-38.75°	6.4	6.9	7.3	7.6	7.9	8.3	8.9	9.5	10.3	11.2	12.1
-40°	6.3	6.8	7.2	7.5	7.8	8.1	8.7	9.3	10.0	10.9	11.7
-41.25°	6.2	6.7	7.1	7.5	7.7	8.0	8.5	9.1	9.7	10.5	11.4
-42.5°	6.1	6.6	7.0	7.4	7.6	7.9	8.3	8.9	9.5	10.2	11.0
-43.75°	6.0	6.5	6.9	7.3	7.6	7.8	8.1	8.7	9.2	9.9	10.6
-45°	5.9	6.4	6.8	7.2	7.5	7.7	8.0	8.4	9.0	9.5	10.3
-46.25°	5.8	6.2	6.7	7.1	7.4	7.6	7.9	8.2	8.7	9.3	9.9
-47.5°	5.6	6.1	6.5	6.9	7.3	7.5	7.8	8.0	8.5	9.0	9.5
-48.75°	5.5	6.0	6.4	6.8	7.2	7.4	7.7	7.9	8.3	8.8	9.3
-50°	5.4	5.8	6.3	6.6	7.0	7.4	7.6	7.8	8.0	8.5	9.0
-51.25°	5.2	5.7	6.1	6.5	6.9	7.2	7.5	7.7	7.9	8.2	8.7
-52.5°	5.1	5.5	6.0	6.4	6.7	7.1	7.4	7.6	7.8	8.0	8.4
-53.75°	4.9	5.4	5.8	6.2	6.6	6.9	7.2	7.5	7.7	7.9	8.1
-55°	4.8	5.2	5.6	6.1	6.4	6.7	7.1	7.4	7.5	7.7	7.9
-56.25°	4.7	5.1	5.5	5.9	6.2	6.6	6.9	7.2	7.4	7.6	7.8
-57.5°	4.5	4.9	5.3	5.7	6.1	6.4	6.7	7.0	7.3	7.5	7.6
-58.75°	4.3	4.7	5.1	5.5	5.9	6.2	6.5	6.8	7.1	7.3	7.5
-60°	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2	7.4
-61.25°	4.0	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.7	6.9	7.2
-62.5°	3.9	4.2	4.6	4.9	5.2	5.6	5.9	6.2	6.4	6.7	7.0
-63.75°	3.7	4.0	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.7
-65°	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.2	6.5
-66.25°	3.4	3.7	4.0	4.3	4.6	4.9	5.1	5.4	5.7	6.0	6.2
-67.5°	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.4	5.7	5.9
-68.75°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.6
-70°	2.8	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.3
-71.25°	2.6	2.9	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8	5.0
-72.5°	2.4	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7
-73.75°	2.2	2.4	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-75°	1.9	2.2	2.4	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.0
-76.25°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.2	3.4	3.6	3.7
-77.5°	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.2	3.4



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.2	1.4	1.6	1.8	2.0	2.2	2.3	2.5	2.7	2.9	3.1
-80°	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.1	2.3	2.5	2.6
-81.25°	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.8	1.9	2.0	2.2
-82.5°	0.8	0.9	0.9	1.0	1.1	1.1	1.3	1.4	1.5	1.6	1.7
-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: P220439 (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	1.4	1.5	1.5	1.6	1.7
83.75°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	3.0
81.25°	2.3	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5
80°	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
78.75°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4
77.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9
76.25°	3.9	4.0	4.2	4.3	4.5	4.7	4.8	4.9	5.1	5.2	5.4
75°	4.2	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.8
73.75°	4.6	4.7	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.1	6.3
72.5°	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5	6.6
71.25°	5.2	5.4	5.6	5.9	6.1	6.2	6.4	6.6	6.7	6.9	7.0
70°	5.6	5.8	6.0	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4
68.75°	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.6
67.5°	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.6	7.7	7.8
66.25°	6.4	6.7	6.9	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.0
65°	6.7	6.9	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.2	8.5
63.75°	7.0	7.2	7.4	7.5	7.6	7.8	7.9	8.1	8.4	8.7	9.0
62.5°	7.2	7.4	7.5	7.7	7.8	8.0	8.2	8.5	8.8	9.2	9.5
61.25°	7.4	7.5	7.7	7.8	8.0	8.3	8.6	9.0	9.3	9.6	10.1
60°	7.5	7.7	7.9	8.0	8.4	8.7	9.1	9.4	9.8	10.3	10.7
58.75°	7.7	7.8	8.0	8.4	8.8	9.1	9.5	9.9	10.4	10.9	11.4
57.5°	7.8	8.0	8.4	8.8	9.1	9.5	10.0	10.5	11.1	11.6	12.1
56.25°	8.0	8.3	8.7	9.1	9.5	10.0	10.6	11.1	11.7	12.3	12.9
55°	8.2	8.6	9.1	9.5	10.0	10.6	11.2	11.7	12.4	13.0	13.6
53.75°	8.5	9.0	9.4	9.9	10.5	11.1	11.7	12.4	13.0	13.7	14.3
52.5°	8.8	9.3	9.8	10.4	11.1	11.7	12.4	13.0	13.7	14.4	15.2
51.25°	9.2	9.6	10.3	10.9	11.6	12.3	13.0	13.7	14.4	15.2	16.0
50°	9.5	10.1	10.7	11.4	12.1	12.9	13.6	14.3	15.2	16.0	16.9
48.75°	9.8	10.5	11.2	11.9	12.7	13.4	14.2	15.1	15.9	16.8	17.7
47.5°	10.2	10.9	11.7	12.4	13.2	14.0	14.9	15.8	16.7	17.6	18.5
46.25°	10.6	11.4	12.1	13.0	13.8	14.6	15.6	16.5	17.5	18.4	19.3
45°	11.0	11.8	12.6	13.5	14.3	15.3	16.3	17.2	18.2	19.2	20.1
43.75°	11.4	12.2	13.1	14.0	14.9	15.9	17.0	18.0	18.9	19.9	20.8
42.5°	11.8	12.7	13.6	14.5	15.5	16.6	17.6	18.6	19.7	20.7	21.3
41.25°	12.2	13.1	14.1	15.1	16.1	17.2	18.3	19.3	20.4	21.1	21.8
40°	12.6	13.6	14.5	15.6	16.7	17.8	18.9	20.0	20.9	21.6	22.2
38.75°	13.1	14.0	15.1	16.2	17.3	18.4	19.5	20.7	21.3	22.0	22.7
37.5°	13.4	14.4	15.6	16.7	17.9	19.0	20.2	21.1	21.7	22.4	23.2
36.25°	13.8	14.9	16.1	17.3	18.4	19.6	20.7	21.4	22.1	22.9	23.7
35°	14.2	15.4	16.6	17.8	19.0	20.2	21.1	21.8	22.5	23.4	24.2



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	14.6	15.8	17.1	18.3	19.5	20.7	21.4	22.2	23.0	23.9	24.7
32.5°	15.0	16.3	17.5	18.8	20.0	21.0	21.8	22.5	23.4	24.3	25.0
31.25°	15.4	16.7	18.0	19.2	20.5	21.4	22.1	22.9	23.9	24.8	25.1
30°	15.8	17.1	18.4	19.7	20.9	21.7	22.4	23.3	24.3	25.0	25.3
28.75°	16.2	17.5	18.8	20.1	21.2	22.0	22.8	23.7	24.7	25.1	25.4
27.5°	16.6	17.9	19.2	20.6	21.4	22.2	23.1	24.1	25.0	25.2	25.5
26.25°	16.9	18.3	19.6	20.9	21.7	22.5	23.5	24.5	25.1	25.4	25.6
25°	17.3	18.6	20.0	21.1	21.9	22.8	23.8	24.8	25.2	25.5	25.6
23.75°	17.6	19.0	20.4	21.3	22.2	23.1	24.1	25.0	25.3	25.6	25.6
22.5°	17.9	19.3	20.7	21.6	22.4	23.4	24.4	25.1	25.4	25.6	25.6
21.25°	18.2	19.6	20.9	21.8	22.6	23.7	24.7	25.2	25.5	25.6	25.6
20°	18.5	19.9	21.1	22.0	22.9	24.0	24.9	25.3	25.6	25.6	25.6
18.75°	18.8	20.2	21.3	22.2	23.1	24.2	25.0	25.3	25.6	25.6	25.6
17.5°	19.0	20.5	21.4	22.3	23.4	24.4	25.1	25.4	25.6	25.6	25.6
16.25°	19.2	20.7	21.6	22.5	23.6	24.7	25.2	25.5	25.6	25.6	25.6
15°	19.4	20.8	21.7	22.7	23.8	24.9	25.2	25.6	25.6	25.6	25.6
13.75°	19.6	21.0	21.9	22.8	23.9	24.9	25.3	25.6	25.6	25.6	25.6
12.5°	19.8	21.1	22.0	23.0	24.1	25.0	25.3	25.6	25.6	25.6	25.6
11.25°	20.0	21.2	22.1	23.1	24.3	25.0	25.4	25.6	25.6	25.6	25.6
10°	20.1	21.3	22.2	23.3	24.4	25.1	25.4	25.6	25.6	25.6	25.6
8.75°	20.3	21.4	22.3	23.4	24.5	25.1	25.5	25.6	25.6	25.6	25.6
7.5°	20.4	21.4	22.4	23.5	24.6	25.2	25.5	25.6	25.6	25.6	25.6
6.25°	20.5	21.5	22.5	23.6	24.7	25.2	25.5	25.6	25.6	25.6	25.6
5°	20.6	21.6	22.5	23.6	24.8	25.2	25.6	25.6	25.6	25.6	25.6
3.75°	20.6	21.6	22.5	23.7	24.8	25.2	25.6	25.6	25.6	25.6	25.6
2.5°	20.7	21.6	22.6	23.7	24.9	25.2	25.6	25.6	25.6	25.6	25.6
1.25°	20.7	21.6	22.6	23.7	24.9	25.2	25.6	25.6	25.6	25.6	25.6
0°	20.7	21.7	22.6	23.8	24.9	25.3	25.6	25.6	25.6	25.6	25.6
-1.25°	20.7	21.6	22.6	23.7	24.9	25.2	25.6	25.6	25.6	25.6	25.6
-2.5°	20.7	21.6	22.6	23.7	24.9	25.2	25.6	25.6	25.6	25.6	25.6
-3.75°	20.6	21.6	22.5	23.7	24.8	25.2	25.6	25.6	25.6	25.6	25.6
-5°	20.6	21.6	22.5	23.6	24.8	25.2	25.6	25.6	25.6	25.6	25.6
-6.25°	20.5	21.5	22.5	23.6	24.7	25.2	25.5	25.6	25.6	25.6	25.6
-7.5°	20.4	21.4	22.4	23.5	24.6	25.2	25.5	25.6	25.6	25.6	25.6
-8.75°	20.3	21.4	22.3	23.4	24.5	25.1	25.5	25.6	25.6	25.6	25.6
-10°	20.1	21.3	22.2	23.3	24.4	25.1	25.4	25.6	25.6	25.6	25.6
-11.25°	20.0	21.2	22.1	23.1	24.3	25.0	25.4	25.6	25.6	25.6	25.6
-12.5°	19.8	21.1	22.0	23.0	24.1	25.0	25.3	25.6	25.6	25.6	25.6
-13.75°	19.6	21.0	21.9	22.8	23.9	24.9	25.3	25.6	25.6	25.6	25.6
-15°	19.4	20.8	21.7	22.7	23.8	24.9	25.2	25.6	25.6	25.6	25.6
-16.25°	19.2	20.7	21.6	22.5	23.6	24.7	25.2	25.5	25.6	25.6	25.6
-17.5°	19.0	20.5	21.4	22.3	23.4	24.4	25.1	25.4	25.6	25.6	25.6
-18.75°	18.8	20.2	21.3	22.2	23.1	24.2	25.0	25.3	25.6	25.6	25.6
-20°	18.5	19.9	21.1	22.0	22.9	24.0	24.9	25.3	25.6	25.6	25.6
-21.25°	18.2	19.6	20.9	21.8	22.6	23.7	24.7	25.2	25.5	25.6	25.6





REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	17.9	19.3	20.7	21.6	22.4	23.4	24.4	25.1	25.4	25.6	25.6
-23.75°	17.6	19.0	20.4	21.3	22.2	23.1	24.1	25.0	25.3	25.6	25.6
-25°	17.3	18.6	20.0	21.1	21.9	22.8	23.8	24.8	25.2	25.5	25.6
-26.25°	16.9	18.3	19.6	20.9	21.7	22.5	23.5	24.5	25.1	25.4	25.6
-27.5°	16.6	17.9	19.2	20.6	21.4	22.2	23.1	24.1	25.0	25.2	25.5
-28.75°	16.2	17.5	18.8	20.1	21.2	22.0	22.8	23.7	24.7	25.1	25.4
-30°	15.8	17.1	18.4	19.7	20.9	21.7	22.4	23.3	24.3	25.0	25.3
-31.25°	15.4	16.7	18.0	19.2	20.5	21.4	22.1	22.9	23.9	24.8	25.1
-32.5°	15.0	16.3	17.5	18.8	20.0	21.0	21.8	22.5	23.4	24.3	25.0
-33.75°	14.6	15.8	17.1	18.3	19.5	20.7	21.4	22.2	23.0	23.9	24.7
-35°	14.2	15.4	16.6	17.8	19.0	20.2	21.1	21.8	22.5	23.4	24.2
-36.25°	13.8	14.9	16.1	17.3	18.4	19.6	20.7	21.4	22.1	22.9	23.7
-37.5°	13.4	14.4	15.6	16.7	17.9	19.0	20.2	21.1	21.7	22.4	23.2
-38.75°	13.1	14.0	15.1	16.2	17.3	18.4	19.5	20.7	21.3	22.0	22.7
-40°	12.6	13.6	14.5	15.6	16.7	17.8	18.9	20.0	20.9	21.6	22.2
-41.25°	12.2	13.1	14.1	15.1	16.1	17.2	18.3	19.3	20.4	21.1	21.8
-42.5°	11.8	12.7	13.6	14.5	15.5	16.6	17.6	18.6	19.7	20.7	21.3
-43.75°	11.4	12.2	13.1	14.0	14.9	15.9	17.0	18.0	18.9	19.9	20.8
-45°	11.0	11.8	12.6	13.5	14.3	15.3	16.3	17.2	18.2	19.2	20.1
-46.25°	10.6	11.4	12.1	13.0	13.8	14.6	15.6	16.5	17.5	18.4	19.3
-47.5°	10.2	10.9	11.7	12.4	13.2	14.0	14.9	15.8	16.7	17.6	18.5
-48.75°	9.8	10.5	11.2	11.9	12.7	13.4	14.2	15.1	15.9	16.8	17.7
-50°	9.5	10.1	10.7	11.4	12.1	12.9	13.6	14.3	15.2	16.0	16.9
-51.25°	9.2	9.6	10.3	10.9	11.6	12.3	13.0	13.7	14.4	15.2	16.0
-52.5°	8.8	9.3	9.8	10.4	11.1	11.7	12.4	13.0	13.7	14.4	15.2
-53.75°	8.5	9.0	9.4	9.9	10.5	11.1	11.7	12.4	13.0	13.7	14.3
-55°	8.2	8.6	9.1	9.5	10.0	10.6	11.2	11.7	12.4	13.0	13.6
-56.25°	8.0	8.3	8.7	9.1	9.5	10.0	10.6	11.1	11.7	12.3	12.9
-57.5°	7.8	8.0	8.4	8.8	9.1	9.5	10.0	10.5	11.1	11.6	12.1
-58.75°	7.7	7.8	8.0	8.4	8.8	9.1	9.5	9.9	10.4	10.9	11.4
-60°	7.5	7.7	7.9	8.0	8.4	8.7	9.1	9.4	9.8	10.3	10.7
-61.25°	7.4	7.5	7.7	7.8	8.0	8.3	8.6	9.0	9.3	9.6	10.1
-62.5°	7.2	7.4	7.5	7.7	7.8	8.0	8.2	8.5	8.8	9.2	9.5
-63.75°	7.0	7.2	7.4	7.5	7.6	7.8	7.9	8.1	8.4	8.7	9.0
-65°	6.7	6.9	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.2	8.5
-66.25°	6.4	6.7	6.9	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.0
-67.5°	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.6	7.7	7.8
-68.75°	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.2	7.4	7.5	7.6
-70°	5.6	5.8	6.0	6.2	6.4	6.6	6.7	6.9	7.1	7.2	7.4
-71.25°	5.2	5.4	5.6	5.9	6.1	6.2	6.4	6.6	6.7	6.9	7.0
-72.5°	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.2	6.4	6.5	6.6
-73.75°	4.6	4.7	4.9	5.1	5.3	5.5	5.6	5.8	6.0	6.1	6.3
-75°	4.2	4.4	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.8
-76.25°	3.9	4.0	4.2	4.3	4.5	4.7	4.8	4.9	5.1	5.2	5.4
-77.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4
-80°	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
-81.25°	2.3	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	3.0
-83.75°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
-85°	1.0	1.1	1.1	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.7
-86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1
-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	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	1.3	1.3	1.4	1.4	1.4	1.5	1.5
85°	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3
83.75°	2.4	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.1
82.5°	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7
81.25°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
80°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9
78.75°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
77.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1
76.25°	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6
75°	6.0	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
73.75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
72.5°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.7
71.25°	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0
70°	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.3	8.5	8.6
68.75°	7.7	7.8	7.9	8.0	8.1	8.3	8.5	8.7	8.9	9.1	9.3
67.5°	7.9	8.0	8.2	8.4	8.7	8.9	9.1	9.3	9.5	9.8	10.0
66.25°	8.3	8.5	8.7	9.0	9.2	9.5	9.7	10.0	10.3	10.6	10.9
65°	8.8	9.0	9.3	9.5	9.9	10.2	10.5	10.9	11.2	11.5	11.8
63.75°	9.3	9.5	9.9	10.3	10.6	11.0	11.4	11.7	12.1	12.5	12.8
62.5°	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.4	13.8
61.25°	10.5	10.9	11.4	11.8	12.2	12.7	13.1	13.6	14.0	14.4	14.9
60°	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.5	15.1	15.6	16.1
58.75°	11.9	12.4	13.0	13.5	14.0	14.5	15.1	15.6	16.2	16.7	17.3
57.5°	12.7	13.2	13.8	14.3	14.9	15.5	16.1	16.7	17.3	17.9	18.4
56.25°	13.4	14.0	14.6	15.3	15.9	16.6	17.2	17.8	18.4	19.0	19.6
55°	14.2	14.9	15.6	16.3	17.0	17.6	18.3	18.9	19.5	20.2	20.7
53.75°	15.1	15.8	16.5	17.2	18.0	18.6	19.3	20.0	20.7	21.1	21.4
52.5°	15.9	16.7	17.5	18.2	18.9	19.7	20.4	20.9	21.3	21.7	22.1
51.25°	16.8	17.6	18.4	19.2	19.9	20.7	21.1	21.6	22.0	22.4	22.9
50°	17.7	18.5	19.3	20.1	20.8	21.3	21.8	22.2	22.7	23.2	23.7
48.75°	18.6	19.4	20.2	20.9	21.4	21.9	22.4	22.9	23.5	24.0	24.6
47.5°	19.4	20.3	21.0	21.5	22.0	22.5	23.1	23.7	24.3	24.8	25.0
46.25°	20.2	21.0	21.5	22.0	22.6	23.2	23.8	24.4	24.9	25.1	25.3
45°	20.9	21.5	22.0	22.6	23.3	23.9	24.5	25.0	25.2	25.4	25.5
43.75°	21.4	22.0	22.6	23.3	23.9	24.6	25.0	25.2	25.4	25.6	25.6
42.5°	21.9	22.5	23.2	23.9	24.6	25.0	25.2	25.4	25.6	25.6	25.6
41.25°	22.4	23.1	23.8	24.5	25.0	25.2	25.4	25.6	25.6	25.6	25.6
40°	22.9	23.7	24.4	25.0	25.2	25.4	25.6	25.6	25.6	25.6	25.6
38.75°	23.5	24.3	24.9	25.2	25.4	25.6	25.6	25.6	25.6	25.6	25.6
37.5°	24.0	24.8	25.1	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
36.25°	24.6	25.0	25.3	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.8
35°	25.0	25.2	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.8	26.0



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	25.1	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.3
32.5°	25.3	25.5	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.2	26.6
31.25°	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.9	26.2	26.5	26.9
30°	25.5	25.6	25.6	25.6	25.6	25.6	25.8	26.1	26.4	26.8	27.3
28.75°	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.3	26.7	27.2	27.6
27.5°	25.6	25.6	25.6	25.6	25.6	25.9	26.2	26.5	27.0	27.5	27.9
26.25°	25.6	25.6	25.6	25.6	25.7	26.0	26.4	26.8	27.3	27.8	28.2
25°	25.6	25.6	25.6	25.6	25.9	26.2	26.6	27.1	27.6	28.0	28.5
23.75°	25.6	25.6	25.6	25.7	26.0	26.4	26.9	27.4	27.8	28.3	28.7
22.5°	25.6	25.6	25.6	25.9	26.2	26.6	27.1	27.6	28.1	28.5	29.0
21.25°	25.6	25.6	25.6	26.0	26.3	26.8	27.4	27.8	28.3	28.8	29.3
20°	25.6	25.6	25.8	26.1	26.5	27.0	27.6	28.1	28.5	29.0	29.6
18.75°	25.6	25.6	25.9	26.3	26.7	27.3	27.8	28.3	28.7	29.3	29.8
17.5°	25.6	25.6	26.0	26.4	26.9	27.4	28.0	28.5	29.0	29.5	30.0
16.25°	25.6	25.7	26.1	26.5	27.1	27.6	28.1	28.6	29.2	29.7	30.2
15°	25.6	25.8	26.2	26.7	27.2	27.8	28.3	28.8	29.4	29.9	30.4
13.75°	25.6	25.9	26.3	26.8	27.4	27.9	28.4	29.0	29.5	30.1	30.6
12.5°	25.6	26.0	26.4	27.0	27.5	28.1	28.6	29.1	29.7	30.2	30.8
11.25°	25.7	26.1	26.5	27.1	27.6	28.2	28.7	29.3	29.9	30.4	30.9
10°	25.8	26.1	26.6	27.2	27.8	28.3	28.8	29.4	30.0	30.5	31.1
8.75°	25.8	26.2	26.7	27.3	27.8	28.4	28.9	29.5	30.1	30.6	31.3
7.5°	25.9	26.3	26.8	27.4	27.9	28.5	29.0	29.6	30.2	30.7	31.5
6.25°	25.9	26.3	26.8	27.4	28.0	28.5	29.1	29.7	30.3	30.8	31.7
5°	25.9	26.3	26.9	27.5	28.0	28.6	29.2	29.8	30.3	30.9	31.9
3.75°	26.0	26.4	26.9	27.5	28.1	28.6	29.2	29.8	30.4	30.9	32.0
2.5°	26.0	26.4	27.0	27.6	28.1	28.7	29.3	29.9	30.4	31.0	32.1
1.25°	26.0	26.4	27.0	27.6	28.1	28.7	29.3	29.9	30.4	31.0	32.1
0°	26.0	26.4	27.0	27.6	28.1	28.7	29.3	29.9	30.4	31.0	32.1
-1.25°	26.0	26.4	27.0	27.6	28.1	28.7	29.3	29.9	30.4	31.0	32.1
-2.5°	26.0	26.4	27.0	27.6	28.1	28.7	29.3	29.9	30.4	31.0	32.1
-3.75°	26.0	26.4	26.9	27.5	28.1	28.6	29.2	29.8	30.4	30.9	32.0
-5°	25.9	26.3	26.9	27.5	28.0	28.6	29.2	29.8	30.3	30.9	31.9
-6.25°	25.9	26.3	26.8	27.4	28.0	28.5	29.1	29.7	30.3	30.8	31.7
-7.5°	25.9	26.3	26.8	27.4	27.9	28.5	29.0	29.6	30.2	30.7	31.5
-8.75°	25.8	26.2	26.7	27.3	27.8	28.4	28.9	29.5	30.1	30.6	31.3
-10°	25.8	26.1	26.6	27.2	27.8	28.3	28.8	29.4	30.0	30.5	31.1
-11.25°	25.7	26.1	26.5	27.1	27.6	28.2	28.7	29.3	29.9	30.4	30.9
-12.5°	25.6	26.0	26.4	27.0	27.5	28.1	28.6	29.1	29.7	30.2	30.8
-13.75°	25.6	25.9	26.3	26.8	27.4	27.9	28.4	29.0	29.5	30.1	30.6
-15°	25.6	25.8	26.2	26.7	27.2	27.8	28.3	28.8	29.4	29.9	30.4
-16.25°	25.6	25.7	26.1	26.5	27.1	27.6	28.1	28.6	29.2	29.7	30.2
-17.5°	25.6	25.6	26.0	26.4	26.9	27.4	28.0	28.5	29.0	29.5	30.0
-18.75°	25.6	25.6	25.9	26.3	26.7	27.3	27.8	28.3	28.7	29.3	29.8
-20°	25.6	25.6	25.8	26.1	26.5	27.0	27.6	28.1	28.5	29.0	29.6
-21.25°	25.6	25.6	25.6	26.0	26.3	26.8	27.4	27.8	28.3	28.8	29.3



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	25.6	25.6	25.6	25.9	26.2	26.6	27.1	27.6	28.1	28.5	29.0
-23.75°	25.6	25.6	25.6	25.7	26.0	26.4	26.9	27.4	27.8	28.3	28.7
-25°	25.6	25.6	25.6	25.6	25.9	26.2	26.6	27.1	27.6	28.0	28.5
-26.25°	25.6	25.6	25.6	25.6	25.7	26.0	26.4	26.8	27.3	27.8	28.2
-27.5°	25.6	25.6	25.6	25.6	25.6	25.9	26.2	26.5	27.0	27.5	27.9
-28.75°	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.3	26.7	27.2	27.6
-30°	25.5	25.6	25.6	25.6	25.6	25.6	25.8	26.1	26.4	26.8	27.3
-31.25°	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.9	26.2	26.5	26.9
-32.5°	25.3	25.5	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.2	26.6
-33.75°	25.1	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.7	26.0	26.3
-35°	25.0	25.2	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.8	26.0
-36.25°	24.6	25.0	25.3	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.8
-37.5°	24.0	24.8	25.1	25.4	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-38.75°	23.5	24.3	24.9	25.2	25.4	25.6	25.6	25.6	25.6	25.6	25.6
-40°	22.9	23.7	24.4	25.0	25.2	25.4	25.6	25.6	25.6	25.6	25.6
-41.25°	22.4	23.1	23.8	24.5	25.0	25.2	25.4	25.6	25.6	25.6	25.6
-42.5°	21.9	22.5	23.2	23.9	24.6	25.0	25.2	25.4	25.6	25.6	25.6
-43.75°	21.4	22.0	22.6	23.3	23.9	24.6	25.0	25.2	25.4	25.6	25.6
-45°	20.9	21.5	22.0	22.6	23.3	23.9	24.5	25.0	25.2	25.4	25.5
-46.25°	20.2	21.0	21.5	22.0	22.6	23.2	23.8	24.4	24.9	25.1	25.3
-47.5°	19.4	20.3	21.0	21.5	22.0	22.5	23.1	23.7	24.3	24.8	25.0
-48.75°	18.6	19.4	20.2	20.9	21.4	21.9	22.4	22.9	23.5	24.0	24.6
-50°	17.7	18.5	19.3	20.1	20.8	21.3	21.8	22.2	22.7	23.2	23.7
-51.25°	16.8	17.6	18.4	19.2	19.9	20.7	21.1	21.6	22.0	22.4	22.9
-52.5°	15.9	16.7	17.5	18.2	18.9	19.7	20.4	20.9	21.3	21.7	22.1
-53.75°	15.1	15.8	16.5	17.2	18.0	18.6	19.3	20.0	20.7	21.1	21.4
-55°	14.2	14.9	15.6	16.3	17.0	17.6	18.3	18.9	19.5	20.2	20.7
-56.25°	13.4	14.0	14.6	15.3	15.9	16.6	17.2	17.8	18.4	19.0	19.6
-57.5°	12.7	13.2	13.8	14.3	14.9	15.5	16.1	16.7	17.3	17.9	18.4
-58.75°	11.9	12.4	13.0	13.5	14.0	14.5	15.1	15.6	16.2	16.7	17.3
-60°	11.2	11.7	12.1	12.6	13.1	13.6	14.1	14.5	15.1	15.6	16.1
-61.25°	10.5	10.9	11.4	11.8	12.2	12.7	13.1	13.6	14.0	14.4	14.9
-62.5°	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.6	13.1	13.4	13.8
-63.75°	9.3	9.5	9.9	10.3	10.6	11.0	11.4	11.7	12.1	12.5	12.8
-65°	8.8	9.0	9.3	9.5	9.9	10.2	10.5	10.9	11.2	11.5	11.8
-66.25°	8.3	8.5	8.7	9.0	9.2	9.5	9.7	10.0	10.3	10.6	10.9
-67.5°	7.9	8.0	8.2	8.4	8.7	8.9	9.1	9.3	9.5	9.8	10.0
-68.75°	7.7	7.8	7.9	8.0	8.1	8.3	8.5	8.7	8.9	9.1	9.3
-70°	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.3	8.5	8.6
-71.25°	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0
-72.5°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.7
-73.75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
-75°	6.0	6.1	6.2	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1
-76.25°	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6
-77.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
-80°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.9
-81.25°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
-82.5°	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7
-83.75°	2.4	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.1
-85°	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3
-86.25°	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5
-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9
85°	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8
83.75°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6
82.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
81.25°	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.9
80°	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.6
78.75°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3
77.5°	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8	6.8
76.25°	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4
75°	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7
73.75°	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0
72.5°	7.8	7.9	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
71.25°	8.2	8.3	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.4	9.5
70°	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	10.1	10.3	10.4
68.75°	9.5	9.6	9.9	10.1	10.3	10.5	10.8	11.0	11.1	11.3	11.5
67.5°	10.3	10.6	10.8	11.1	11.3	11.5	11.8	12.0	12.2	12.4	12.6
66.25°	11.2	11.5	11.8	12.0	12.3	12.6	12.9	13.1	13.4	13.6	13.8
65°	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.5	14.8	15.1
63.75°	13.2	13.5	13.9	14.2	14.5	14.9	15.2	15.6	15.9	16.2	16.5
62.5°	14.2	14.6	15.0	15.4	15.8	16.2	16.6	16.9	17.3	17.6	17.9
61.25°	15.4	15.8	16.3	16.7	17.1	17.5	17.9	18.3	18.6	19.0	19.3
60°	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.6	20.0	20.4	20.7
58.75°	17.8	18.3	18.8	19.2	19.7	20.1	20.6	20.9	21.1	21.3	21.6
57.5°	19.0	19.5	20.0	20.5	20.9	21.2	21.4	21.7	21.9	22.2	22.4
56.25°	20.2	20.7	21.0	21.4	21.7	22.0	22.2	22.5	22.8	23.1	23.4
55°	21.1	21.4	21.8	22.1	22.4	22.8	23.1	23.5	23.8	24.1	24.4
53.75°	21.8	22.2	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.0	25.1
52.5°	22.5	23.0	23.4	23.9	24.3	24.7	25.0	25.1	25.2	25.3	25.4
51.25°	23.4	23.9	24.3	24.8	25.0	25.1	25.2	25.4	25.5	25.6	25.6
50°	24.2	24.7	25.0	25.1	25.3	25.4	25.5	25.6	25.6	25.6	25.6
48.75°	25.0	25.1	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6
47.5°	25.2	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
46.25°	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
45°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.9
43.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.9	26.0	26.2
42.5°	25.6	25.6	25.6	25.6	25.6	25.7	25.9	26.0	26.2	26.4	26.6
41.25°	25.6	25.6	25.6	25.6	25.8	26.0	26.2	26.4	26.6	26.9	27.1
40°	25.6	25.6	25.7	25.9	26.1	26.3	26.5	26.8	27.1	27.4	27.6
38.75°	25.6	25.7	26.0	26.2	26.4	26.7	27.0	27.3	27.6	27.8	28.1
37.5°	25.8	26.0	26.2	26.5	26.8	27.2	27.5	27.8	28.0	28.3	28.5
36.25°	26.0	26.3	26.6	26.9	27.3	27.6	27.9	28.2	28.5	28.7	29.0
35°	26.3	26.6	27.0	27.3	27.7	28.0	28.3	28.6	28.9	29.2	29.5



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	26.6	27.0	27.4	27.7	28.1	28.4	28.7	29.0	29.4	29.7	30.0
32.5°	27.0	27.4	27.8	28.1	28.4	28.8	29.1	29.5	29.8	30.1	30.4
31.25°	27.3	27.7	28.1	28.5	28.8	29.2	29.6	29.9	30.2	30.6	30.9
30°	27.7	28.1	28.4	28.8	29.2	29.6	30.0	30.3	30.7	31.0	31.6
28.75°	28.0	28.4	28.8	29.2	29.6	30.0	30.4	30.7	31.1	31.8	32.5
27.5°	28.3	28.7	29.1	29.6	30.0	30.4	30.7	31.2	31.9	32.6	33.4
26.25°	28.6	29.0	29.5	29.9	30.3	30.7	31.2	32.0	32.7	33.8	35.8
25°	28.9	29.4	29.8	30.2	30.7	31.1	31.9	32.7	33.9	36.0	38.1
23.75°	29.2	29.7	30.1	30.6	31.0	31.8	32.6	33.8	36.0	38.3	40.5
22.5°	29.5	30.0	30.4	30.9	31.6	32.5	33.4	35.8	38.1	40.5	43.2
21.25°	29.8	30.3	30.7	31.3	32.2	33.1	35.3	37.7	40.2	43.0	45.8
20°	30.0	30.5	31.0	31.9	32.8	34.5	37.1	39.6	42.5	45.4	48.7
18.75°	30.3	30.8	31.5	32.4	33.5	36.2	38.8	41.7	44.8	47.9	52.8
17.5°	30.5	31.0	32.0	33.0	35.1	37.8	40.6	43.8	46.9	51.4	63.4
16.25°	30.7	31.4	32.4	33.7	36.5	39.3	42.5	45.8	49.8	59.4	83.3
15°	30.9	31.9	32.9	35.0	37.9	40.9	44.3	47.7	53.8	71.4	108.6
13.75°	31.2	32.3	33.3	36.3	39.2	42.5	45.9	50.4	62.1	92.1	138.9
12.5°	31.6	32.6	34.4	37.4	40.5	44.0	47.5	54.1	74.3	115.9	170.3
11.25°	31.9	33.0	35.4	38.4	41.8	45.4	49.7	60.9	91.4	140.8	200.8
10°	32.2	33.3	36.3	39.4	43.0	46.6	51.8	67.8	109.4	166.2	230.7
8.75°	32.4	34.0	37.1	40.3	44.0	47.8	55.9	81.0	128.9	189.9	257.7
7.5°	32.7	34.7	37.8	41.2	44.9	49.3	60.5	92.6	145.9	211.5	281.5
6.25°	32.9	35.2	38.4	41.9	45.7	50.6	64.5	103.5	162.7	230.9	302.0
5°	33.0	35.7	38.9	42.5	46.3	51.7	69.4	115.0	176.7	247.0	319.0
3.75°	33.1	36.1	39.3	43.0	46.8	52.8	75.5	124.0	187.8	259.6	332.4
2.5°	33.2	36.3	39.6	43.4	47.2	54.5	79.9	130.4	195.7	268.6	342.0
1.25°	33.3	36.5	39.7	43.6	47.4	55.6	82.6	134.3	200.5	274.1	347.9
0°	33.3	36.6	39.8	43.7	47.5	56.0	83.5	135.6	202.1	276.0	349.8
-1.25°	33.3	36.5	39.7	43.6	47.4	55.6	82.6	134.3	200.5	274.1	347.9
-2.5°	33.2	36.3	39.6	43.4	47.2	54.5	79.9	130.4	195.7	268.6	342.0
-3.75°	33.1	36.1	39.3	43.0	46.8	52.8	75.5	124.0	187.8	259.6	332.4
-5°	33.0	35.7	38.9	42.5	46.3	51.7	69.4	115.0	176.7	247.0	319.0
-6.25°	32.9	35.2	38.4	41.9	45.7	50.6	64.5	103.5	162.7	230.9	302.0
-7.5°	32.7	34.7	37.8	41.2	44.9	49.3	60.5	92.6	145.9	211.5	281.5
-8.75°	32.4	34.0	37.1	40.3	44.0	47.8	55.9	81.0	128.9	189.9	257.7
-10°	32.2	33.3	36.3	39.4	43.0	46.6	51.8	67.8	109.4	166.2	230.7
-11.25°	31.9	33.0	35.4	38.4	41.8	45.4	49.7	60.9	91.4	140.8	200.8
-12.5°	31.6	32.6	34.4	37.4	40.5	44.0	47.5	54.1	74.3	115.9	170.3
-13.75°	31.2	32.3	33.3	36.3	39.2	42.5	45.9	50.4	62.1	92.1	138.9
-15°	30.9	31.9	32.9	35.0	37.9	40.9	44.3	47.7	53.8	71.4	108.6
-16.25°	30.7	31.4	32.4	33.7	36.5	39.3	42.5	45.8	49.8	59.4	83.3
-17.5°	30.5	31.0	32.0	33.0	35.1	37.8	40.6	43.8	46.9	51.4	63.4
-18.75°	30.3	30.8	31.5	32.4	33.5	36.2	38.8	41.7	44.8	47.9	52.8
-20°	30.0	30.5	31.0	31.9	32.8	34.5	37.1	39.6	42.5	45.4	48.7
-21.25°	29.8	30.3	30.7	31.3	32.2	33.1	35.3	37.7	40.2	43.0	45.8





REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	29.5	30.0	30.4	30.9	31.6	32.5	33.4	35.8	38.1	40.5	43.2
-23.75°	29.2	29.7	30.1	30.6	31.0	31.8	32.6	33.8	36.0	38.3	40.5
-25°	28.9	29.4	29.8	30.2	30.7	31.1	31.9	32.7	33.9	36.0	38.1
-26.25°	28.6	29.0	29.5	29.9	30.3	30.7	31.2	32.0	32.7	33.8	35.8
-27.5°	28.3	28.7	29.1	29.6	30.0	30.4	30.7	31.2	31.9	32.6	33.4
-28.75°	28.0	28.4	28.8	29.2	29.6	30.0	30.4	30.7	31.1	31.8	32.5
-30°	27.7	28.1	28.4	28.8	29.2	29.6	30.0	30.3	30.7	31.0	31.6
-31.25°	27.3	27.7	28.1	28.5	28.8	29.2	29.6	29.9	30.2	30.6	30.9
-32.5°	27.0	27.4	27.8	28.1	28.4	28.8	29.1	29.5	29.8	30.1	30.4
-33.75°	26.6	27.0	27.4	27.7	28.1	28.4	28.7	29.0	29.4	29.7	30.0
-35°	26.3	26.6	27.0	27.3	27.7	28.0	28.3	28.6	28.9	29.2	29.5
-36.25°	26.0	26.3	26.6	26.9	27.3	27.6	27.9	28.2	28.5	28.7	29.0
-37.5°	25.8	26.0	26.2	26.5	26.8	27.2	27.5	27.8	28.0	28.3	28.5
-38.75°	25.6	25.7	26.0	26.2	26.4	26.7	27.0	27.3	27.6	27.8	28.1
-40°	25.6	25.6	25.7	25.9	26.1	26.3	26.5	26.8	27.1	27.4	27.6
-41.25°	25.6	25.6	25.6	25.6	25.8	26.0	26.2	26.4	26.6	26.9	27.1
-42.5°	25.6	25.6	25.6	25.6	25.6	25.7	25.9	26.0	26.2	26.4	26.6
-43.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.9	26.0	26.2
-45°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.9
-46.25°	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-47.5°	25.2	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-48.75°	25.0	25.1	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6
-50°	24.2	24.7	25.0	25.1	25.3	25.4	25.5	25.6	25.6	25.6	25.6
-51.25°	23.4	23.9	24.3	24.8	25.0	25.1	25.2	25.4	25.5	25.6	25.6
-52.5°	22.5	23.0	23.4	23.9	24.3	24.7	25.0	25.1	25.2	25.3	25.4
-53.75°	21.8	22.2	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.0	25.1
-55°	21.1	21.4	21.8	22.1	22.4	22.8	23.1	23.5	23.8	24.1	24.4
-56.25°	20.2	20.7	21.0	21.4	21.7	22.0	22.2	22.5	22.8	23.1	23.4
-57.5°	19.0	19.5	20.0	20.5	20.9	21.2	21.4	21.7	21.9	22.2	22.4
-58.75°	17.8	18.3	18.8	19.2	19.7	20.1	20.6	20.9	21.1	21.3	21.6
-60°	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.6	20.0	20.4	20.7
-61.25°	15.4	15.8	16.3	16.7	17.1	17.5	17.9	18.3	18.6	19.0	19.3
-62.5°	14.2	14.6	15.0	15.4	15.8	16.2	16.6	16.9	17.3	17.6	17.9
-63.75°	13.2	13.5	13.9	14.2	14.5	14.9	15.2	15.6	15.9	16.2	16.5
-65°	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.5	14.8	15.1
-66.25°	11.2	11.5	11.8	12.0	12.3	12.6	12.9	13.1	13.4	13.6	13.8
-67.5°	10.3	10.6	10.8	11.1	11.3	11.5	11.8	12.0	12.2	12.4	12.6
-68.75°	9.5	9.6	9.9	10.1	10.3	10.5	10.8	11.0	11.1	11.3	11.5
-70°	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.9	10.1	10.3	10.4
-71.25°	8.2	8.3	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.4	9.5
-72.5°	7.8	7.9	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
-73.75°	7.5	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0
-75°	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7
-76.25°	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4
-77.5°	6.2	6.3	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8	6.8



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1	6.2	6.2	6.3
-80°	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6	5.6
-81.25°	4.4	4.5	4.5	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.9
-82.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
-83.75°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6
-85°	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.8	2.8
-86.25°	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9
-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	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°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1
85°	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1
83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
82.5°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
81.25°	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3
80°	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
78.75°	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6
77.5°	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.2
76.25°	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6
75°	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9
73.75°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7
72.5°	8.8	8.9	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.5
71.25°	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.5
70°	10.6	10.7	10.9	11.0	11.1	11.2	11.4	11.4	11.5	11.6	11.7
68.75°	11.7	11.8	12.0	12.1	12.3	12.4	12.5	12.7	12.8	12.8	12.9
67.5°	12.8	13.0	13.2	13.4	13.5	13.7	13.8	13.9	14.0	14.1	14.2
66.25°	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.3	15.5	15.6	15.7
65°	15.4	15.6	15.9	16.1	16.3	16.5	16.7	16.8	17.0	17.1	17.2
63.75°	16.8	17.1	17.3	17.5	17.8	18.0	18.1	18.3	18.5	18.6	18.7
62.5°	18.2	18.5	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.1	20.3
61.25°	19.6	19.9	20.2	20.5	20.7	20.8	21.0	21.1	21.2	21.3	21.4
60°	20.9	21.1	21.3	21.4	21.6	21.7	21.9	22.0	22.1	22.2	22.3
58.75°	21.8	22.0	22.2	22.3	22.5	22.7	22.8	23.0	23.1	23.3	23.4
57.5°	22.6	22.9	23.1	23.4	23.6	23.8	23.9	24.1	24.3	24.4	24.5
56.25°	23.7	24.0	24.2	24.4	24.7	24.9	24.9	25.0	25.0	25.1	25.1
55°	24.7	24.9	25.0	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.5
53.75°	25.2	25.3	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6
52.5°	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
48.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.8	25.8
47.5°	25.6	25.6	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.2
46.25°	25.6	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7
45°	26.0	26.1	26.3	26.4	26.5	26.7	26.8	27.0	27.1	27.2	27.3
43.75°	26.3	26.5	26.7	26.9	27.1	27.2	27.4	27.5	27.6	27.8	27.8
42.5°	26.8	27.0	27.3	27.4	27.6	27.8	27.9	28.1	28.2	28.3	28.4
41.25°	27.4	27.6	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.8	28.9
40°	27.8	28.1	28.3	28.5	28.6	28.8	29.0	29.1	29.3	29.4	29.5
38.75°	28.3	28.5	28.7	29.0	29.2	29.4	29.5	29.7	29.9	30.0	30.1
37.5°	28.8	29.0	29.3	29.5	29.7	29.9	30.1	30.2	30.4	30.5	30.6
36.25°	29.3	29.6	29.8	30.0	30.2	30.4	30.6	30.8	30.9	31.1	31.3
35°	29.8	30.0	30.3	30.5	30.7	30.9	31.2	31.6	31.9	32.2	32.4



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

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	30.3	30.5	30.8	31.0	31.4	31.9	32.3	32.6	33.0	33.3	34.0
32.5°	30.7	31.0	31.5	32.0	32.4	32.9	33.3	34.4	35.4	36.3	37.1
31.25°	31.3	31.9	32.4	33.0	33.7	35.0	36.3	37.4	38.4	39.4	40.3
30°	32.2	32.8	33.5	35.1	36.5	37.9	39.2	40.5	41.8	43.0	44.0
28.75°	33.1	34.5	36.2	37.8	39.3	40.9	42.5	44.0	45.4	46.6	47.8
27.5°	35.3	37.1	38.8	40.6	42.5	44.3	45.9	47.5	49.7	51.8	55.9
26.25°	37.7	39.6	41.7	43.8	45.8	47.7	50.4	54.1	60.9	67.8	81.0
25°	40.2	42.5	44.8	46.9	49.8	53.8	62.1	74.3	91.4	109.4	128.9
23.75°	43.0	45.4	47.9	51.4	59.4	71.4	92.1	115.9	140.8	166.2	189.9
22.5°	45.8	48.7	52.8	63.4	83.3	108.6	138.9	170.3	200.8	230.7	257.7
21.25°	49.0	54.4	65.9	91.3	122.9	157.8	194.6	231.3	265.8	297.4	326.0
20°	54.4	66.9	95.3	131.5	171.6	213.1	254.7	293.8	330.1	358.2	376.6
18.75°	65.9	95.3	134.4	178.5	224.6	270.5	314.1	353.1	376.5	398.1	417.6
17.5°	91.3	131.5	178.5	228.5	278.5	326.5	363.5	389.9	414.6	437.4	454.6
16.25°	122.9	171.6	224.6	278.5	330.6	368.7	398.0	425.8	449.6	469.0	490.4
15°	157.8	213.1	270.5	326.5	368.7	400.8	431.5	456.7	480.8	506.0	532.3
13.75°	194.6	254.7	314.1	363.5	398.0	431.5	459.1	486.9	516.8	548.0	585.7
12.5°	231.3	293.8	353.1	389.9	425.8	456.7	486.9	520.4	558.2	602.8	662.6
11.25°	265.8	330.1	376.5	414.6	449.6	480.8	516.8	558.2	610.8	679.5	758.6
10°	297.4	358.2	398.1	437.4	469.0	506.0	548.0	602.8	679.5	769.8	877.3
8.75°	326.0	376.6	417.6	454.6	490.4	532.3	585.7	662.6	758.6	877.3	1019.4
7.5°	350.6	393.0	435.0	469.5	510.4	559.6	629.5	725.6	846.5	998.3	1190.3
6.25°	363.9	407.1	448.1	485.2	529.6	587.3	673.8	786.5	936.0	1128.9	1386.4
5°	375.0	418.8	458.2	498.2	546.0	616.1	718.8	852.5	1028.2	1266.8	1594.8
3.75°	383.7	428.1	466.2	509.2	563.2	643.7	756.1	905.5	1111.8	1406.7	1805.7
2.5°	389.9	434.8	472.5	517.8	575.7	663.9	784.2	953.8	1186.8	1521.3	1968.4
1.25°	393.7	438.8	476.7	523.0	583.3	676.1	805.8	984.2	1232.8	1592.1	2078.7
0°	395.0	440.2	478.1	524.8	585.8	680.2	813.1	994.5	1248.4	1616.0	2118.1
-1.25°	393.7	438.8	476.7	523.0	583.3	676.1	805.8	984.2	1232.8	1592.1	2078.7
-2.5°	389.9	434.8	472.5	517.8	575.7	663.9	784.2	953.8	1186.8	1521.3	1968.4
-3.75°	383.7	428.1	466.2	509.2	563.2	643.7	756.1	905.5	1111.8	1406.7	1805.7
-5°	375.0	418.8	458.2	498.2	546.0	616.1	718.8	852.5	1028.2	1266.8	1594.8
-6.25°	363.9	407.1	448.1	485.2	529.6	587.3	673.8	786.5	936.0	1128.9	1386.4
-7.5°	350.6	393.0	435.0	469.5	510.4	559.6	629.5	725.6	846.5	998.3	1190.3
-8.75°	326.0	376.6	417.6	454.6	490.4	532.3	585.7	662.6	758.6	877.3	1019.4
-10°	297.4	358.2	398.1	437.4	469.0	506.0	548.0	602.8	679.5	769.8	877.3
-11.25°	265.8	330.1	376.5	414.6	449.6	480.8	516.8	558.2	610.8	679.5	758.6
-12.5°	231.3	293.8	353.1	389.9	425.8	456.7	486.9	520.4	558.2	602.8	662.6
-13.75°	194.6	254.7	314.1	363.5	398.0	431.5	459.1	486.9	516.8	548.0	585.7
-15°	157.8	213.1	270.5	326.5	368.7	400.8	431.5	456.7	480.8	506.0	532.3
-16.25°	122.9	171.6	224.6	278.5	330.6	368.7	398.0	425.8	449.6	469.0	490.4
-17.5°	91.3	131.5	178.5	228.5	278.5	326.5	363.5	389.9	414.6	437.4	454.6
-18.75°	65.9	95.3	134.4	178.5	224.6	270.5	314.1	353.1	376.5	398.1	417.6
-20°	54.4	66.9	95.3	131.5	171.6	213.1	254.7	293.8	330.1	358.2	376.6
-21.25°	49.0	54.4	65.9	91.3	122.9	157.8	194.6	231.3	265.8	297.4	326.0



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	45.8	48.7	52.8	63.4	83.3	108.6	138.9	170.3	200.8	230.7	257.7
-23.75°	43.0	45.4	47.9	51.4	59.4	71.4	92.1	115.9	140.8	166.2	189.9
-25°	40.2	42.5	44.8	46.9	49.8	53.8	62.1	74.3	91.4	109.4	128.9
-26.25°	37.7	39.6	41.7	43.8	45.8	47.7	50.4	54.1	60.9	67.8	81.0
-27.5°	35.3	37.1	38.8	40.6	42.5	44.3	45.9	47.5	49.7	51.8	55.9
-28.75°	33.1	34.5	36.2	37.8	39.3	40.9	42.5	44.0	45.4	46.6	47.8
-30°	32.2	32.8	33.5	35.1	36.5	37.9	39.2	40.5	41.8	43.0	44.0
-31.25°	31.3	31.9	32.4	33.0	33.7	35.0	36.3	37.4	38.4	39.4	40.3
-32.5°	30.7	31.0	31.5	32.0	32.4	32.9	33.3	34.4	35.4	36.3	37.1
-33.75°	30.3	30.5	30.8	31.0	31.4	31.9	32.3	32.6	33.0	33.3	34.0
-35°	29.8	30.0	30.3	30.5	30.7	30.9	31.2	31.6	31.9	32.2	32.4
-36.25°	29.3	29.6	29.8	30.0	30.2	30.4	30.6	30.8	30.9	31.1	31.3
-37.5°	28.8	29.0	29.3	29.5	29.7	29.9	30.1	30.2	30.4	30.5	30.6
-38.75°	28.3	28.5	28.7	29.0	29.2	29.4	29.5	29.7	29.9	30.0	30.1
-40°	27.8	28.1	28.3	28.5	28.6	28.8	29.0	29.1	29.3	29.4	29.5
-41.25°	27.4	27.6	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.8	28.9
-42.5°	26.8	27.0	27.3	27.4	27.6	27.8	27.9	28.1	28.2	28.3	28.4
-43.75°	26.3	26.5	26.7	26.9	27.1	27.2	27.4	27.5	27.6	27.8	27.8
-45°	26.0	26.1	26.3	26.4	26.5	26.7	26.8	27.0	27.1	27.2	27.3
-46.25°	25.6	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7
-47.5°	25.6	25.6	25.6	25.6	25.7	25.8	25.9	26.0	26.1	26.1	26.2
-48.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.7	25.8	25.8
-50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-52.5°	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-53.75°	25.2	25.3	25.3	25.4	25.5	25.6	25.6	25.6	25.6	25.6	25.6
-55°	24.7	24.9	25.0	25.1	25.2	25.2	25.3	25.3	25.4	25.4	25.5
-56.25°	23.7	24.0	24.2	24.4	24.7	24.9	24.9	25.0	25.0	25.1	25.1
-57.5°	22.6	22.9	23.1	23.4	23.6	23.8	23.9	24.1	24.3	24.4	24.5
-58.75°	21.8	22.0	22.2	22.3	22.5	22.7	22.8	23.0	23.1	23.3	23.4
-60°	20.9	21.1	21.3	21.4	21.6	21.7	21.9	22.0	22.1	22.2	22.3
-61.25°	19.6	19.9	20.2	20.5	20.7	20.8	21.0	21.1	21.2	21.3	21.4
-62.5°	18.2	18.5	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.1	20.3
-63.75°	16.8	17.1	17.3	17.5	17.8	18.0	18.1	18.3	18.5	18.6	18.7
-65°	15.4	15.6	15.9	16.1	16.3	16.5	16.7	16.8	17.0	17.1	17.2
-66.25°	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.3	15.5	15.6	15.7
-67.5°	12.8	13.0	13.2	13.4	13.5	13.7	13.8	13.9	14.0	14.1	14.2
-68.75°	11.7	11.8	12.0	12.1	12.3	12.4	12.5	12.7	12.8	12.8	12.9
-70°	10.6	10.7	10.9	11.0	11.1	11.2	11.4	11.4	11.5	11.6	11.7
-71.25°	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.5
-72.5°	8.8	8.9	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.5
-73.75°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7
-75°	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9
-76.25°	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.6	7.6
-77.5°	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.2



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6
-80°	5.7	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
-81.25°	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3
-82.5°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
-83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
-85°	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.1
-86.25°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1
-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



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
81.25°	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.3
80°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
78.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
77.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
76.25°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.6
75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
73.75°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
72.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
71.25°	10.6	10.6	10.7	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.7
70°	11.7	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8
68.75°	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1
67.5°	14.3	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4
66.25°	15.8	15.9	15.9	16.0	16.0	16.0	16.1	16.0	16.0	16.0	15.9
65°	17.3	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.5	17.5
63.75°	18.9	18.9	19.0	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.0
62.5°	20.4	20.5	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6
61.25°	21.4	21.5	21.6	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.6
60°	22.4	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
58.75°	23.5	23.6	23.6	23.7	23.7	23.7	23.8	23.7	23.7	23.7	23.6
57.5°	24.6	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.8
56.25°	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.2	25.2	25.2	25.2
55°	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
53.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
52.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
48.75°	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	25.9
47.5°	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.3
46.25°	26.8	26.8	26.9	26.9	27.0	27.0	27.0	27.0	27.0	26.9	26.9
45°	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.5	27.5
43.75°	27.9	28.0	28.0	28.1	28.1	28.1	28.2	28.1	28.1	28.1	28.0
42.5°	28.5	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.6	28.6
41.25°	29.0	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.2	29.2
40°	29.6	29.7	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.8	29.8
38.75°	30.2	30.3	30.3	30.4	30.4	30.4	30.5	30.4	30.4	30.4	30.3
37.5°	30.7	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	30.9	30.9
36.25°	31.5	31.7	31.9	32.0	32.1	32.1	32.2	32.1	32.1	32.0	31.9
35°	32.7	32.9	33.0	33.1	33.2	33.3	33.3	33.3	33.2	33.1	33.0

REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	34.7	35.2	35.7	36.1	36.3	36.5	36.6	36.5	36.3	36.1	35.7
32.5°	37.8	38.4	38.9	39.3	39.6	39.7	39.8	39.7	39.6	39.3	38.9
31.25°	41.2	41.9	42.5	43.0	43.4	43.6	43.7	43.6	43.4	43.0	42.5
30°	44.9	45.7	46.3	46.8	47.2	47.4	47.5	47.4	47.2	46.8	46.3
28.75°	49.3	50.6	51.7	52.8	54.5	55.6	56.0	55.6	54.5	52.8	51.7
27.5°	60.5	64.5	69.4	75.5	79.9	82.6	83.5	82.6	79.9	75.5	69.4
26.25°	92.6	103.5	115.0	124.0	130.4	134.3	135.6	134.3	130.4	124.0	115.0
25°	145.9	162.7	176.7	187.8	195.7	200.5	202.1	200.5	195.7	187.8	176.7
23.75°	211.5	230.9	247.0	259.6	268.6	274.1	276.0	274.1	268.6	259.6	247.0
22.5°	281.5	302.0	319.0	332.4	342.0	347.9	349.8	347.9	342.0	332.4	319.0
21.25°	350.6	363.9	375.0	383.7	389.9	393.7	395.0	393.7	389.9	383.7	375.0
20°	393.0	407.1	418.8	428.1	434.8	438.8	440.2	438.8	434.8	428.1	418.8
18.75°	435.0	448.1	458.2	466.2	472.5	476.7	478.1	476.7	472.5	466.2	458.2
17.5°	469.5	485.2	498.2	509.2	517.8	523.0	524.8	523.0	517.8	509.2	498.2
16.25°	510.4	529.6	546.0	563.2	575.7	583.3	585.8	583.3	575.7	563.2	546.0
15°	559.6	587.3	616.1	643.7	663.9	676.1	680.2	676.1	663.9	643.7	616.1
13.75°	629.5	673.8	718.8	756.1	784.2	805.8	813.1	805.8	784.2	756.1	718.8
12.5°	725.6	786.5	852.5	905.5	953.8	984.2	994.5	984.2	953.8	905.5	852.5
11.25°	846.5	936.0	1028.2	1111.8	1186.8	1232.8	1248.4	1232.8	1186.8	1111.8	1028.2
10°	998.3	1128.9	1266.8	1406.7	1521.3	1592.1	1616.0	1592.1	1521.3	1406.7	1266.8
8.75°	1190.3	1386.4	1594.8	1805.7	1968.4	2078.7	2118.1	2078.7	1968.4	1805.7	1594.8
7.5°	1432.2	1713.1	2004.1	2283.1	2499.3	2643.0	2692.2	2643.0	2499.3	2283.1	2004.1
6.25°	1713.1	2082.3	2454.2	2795.0	3059.1	3227.7	3286.0	3227.7	3059.1	2795.0	2454.2
5°	2004.1	2454.2	2899.4	3287.4	3590.0	3786.6	3855.9	3786.6	3590.0	3287.4	2899.4
3.75°	2283.1	2795.0	3287.4	3719.8	4050.7	4265.7	4331.8	4265.7	4050.7	3719.8	3287.4
2.5°	2499.3	3059.1	3590.0	4050.7	4402.0	4626.5	4698.0	4626.5	4402.0	4050.7	3590.0
1.25°	2643.0	3227.7	3786.6	4265.7	4626.5	4854.9	4934.1	4854.9	4626.5	4265.7	3786.6
0°	2692.2	3286.0	3855.9	4331.8	4698.0	4934.1	5038.3	4934.1	4698.0	4331.8	3855.9
-1.25°	2643.0	3227.7	3786.6	4265.7	4626.5	4854.9	4934.1	4854.9	4626.5	4265.7	3786.6
-2.5°	2499.3	3059.1	3590.0	4050.7	4402.0	4626.5	4698.0	4626.5	4402.0	4050.7	3590.0
-3.75°	2283.1	2795.0	3287.4	3719.8	4050.7	4265.7	4331.8	4265.7	4050.7	3719.8	3287.4
-5°	2004.1	2454.2	2899.4	3287.4	3590.0	3786.6	3855.9	3786.6	3590.0	3287.4	2899.4
-6.25°	1713.1	2082.3	2454.2	2795.0	3059.1	3227.7	3286.0	3227.7	3059.1	2795.0	2454.2
-7.5°	1432.2	1713.1	2004.1	2283.1	2499.3	2643.0	2692.2	2643.0	2499.3	2283.1	2004.1
-8.75°	1190.3	1386.4	1594.8	1805.7	1968.4	2078.7	2118.1	2078.7	1968.4	1805.7	1594.8
-10°	998.3	1128.9	1266.8	1406.7	1521.3	1592.1	1616.0	1592.1	1521.3	1406.7	1266.8
-11.25°	846.5	936.0	1028.2	1111.8	1186.8	1232.8	1248.4	1232.8	1186.8	1111.8	1028.2
-12.5°	725.6	786.5	852.5	905.5	953.8	984.2	994.5	984.2	953.8	905.5	852.5
-13.75°	629.5	673.8	718.8	756.1	784.2	805.8	813.1	805.8	784.2	756.1	718.8
-15°	559.6	587.3	616.1	643.7	663.9	676.1	680.2	676.1	663.9	643.7	616.1
-16.25°	510.4	529.6	546.0	563.2	575.7	583.3	585.8	583.3	575.7	563.2	546.0
-17.5°	469.5	485.2	498.2	509.2	517.8	523.0	524.8	523.0	517.8	509.2	498.2
-18.75°	435.0	448.1	458.2	466.2	472.5	476.7	478.1	476.7	472.5	466.2	458.2
-20°	393.0	407.1	418.8	428.1	434.8	438.8	440.2	438.8	434.8	428.1	418.8
-21.25°	350.6	363.9	375.0	383.7	389.9	393.7	395.0	393.7	389.9	383.7	375.0





REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	281.5	302.0	319.0	332.4	342.0	347.9	349.8	347.9	342.0	332.4	319.0
-23.75°	211.5	230.9	247.0	259.6	268.6	274.1	276.0	274.1	268.6	259.6	247.0
-25°	145.9	162.7	176.7	187.8	195.7	200.5	202.1	200.5	195.7	187.8	176.7
-26.25°	92.6	103.5	115.0	124.0	130.4	134.3	135.6	134.3	130.4	124.0	115.0
-27.5°	60.5	64.5	69.4	75.5	79.9	82.6	83.5	82.6	79.9	75.5	69.4
-28.75°	49.3	50.6	51.7	52.8	54.5	55.6	56.0	55.6	54.5	52.8	51.7
-30°	44.9	45.7	46.3	46.8	47.2	47.4	47.5	47.4	47.2	46.8	46.3
-31.25°	41.2	41.9	42.5	43.0	43.4	43.6	43.7	43.6	43.4	43.0	42.5
-32.5°	37.8	38.4	38.9	39.3	39.6	39.7	39.8	39.7	39.6	39.3	38.9
-33.75°	34.7	35.2	35.7	36.1	36.3	36.5	36.6	36.5	36.3	36.1	35.7
-35°	32.7	32.9	33.0	33.1	33.2	33.3	33.3	33.3	33.2	33.1	33.0
-36.25°	31.5	31.7	31.9	32.0	32.1	32.1	32.2	32.1	32.1	32.0	31.9
-37.5°	30.7	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	30.9	30.9
-38.75°	30.2	30.3	30.3	30.4	30.4	30.4	30.5	30.4	30.4	30.4	30.3
-40°	29.6	29.7	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.8	29.8
-41.25°	29.0	29.1	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.2	29.2
-42.5°	28.5	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.6	28.6
-43.75°	27.9	28.0	28.0	28.1	28.1	28.1	28.2	28.1	28.1	28.1	28.0
-45°	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.5	27.5
-46.25°	26.8	26.8	26.9	26.9	27.0	27.0	27.0	27.0	27.0	26.9	26.9
-47.5°	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.3
-48.75°	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	25.9
-50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-52.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-53.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-55°	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-56.25°	25.2	25.2	25.2	25.2	25.2	25.2	25.3	25.2	25.2	25.2	25.2
-57.5°	24.6	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.8	24.8
-58.75°	23.5	23.6	23.6	23.7	23.7	23.7	23.8	23.7	23.7	23.7	23.6
-60°	22.4	22.5	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
-61.25°	21.4	21.5	21.6	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.6
-62.5°	20.4	20.5	20.6	20.6	20.7	20.7	20.7	20.7	20.7	20.6	20.6
-63.75°	18.9	18.9	19.0	19.1	19.1	19.1	19.2	19.1	19.1	19.1	19.0
-65°	17.3	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.5	17.5
-66.25°	15.8	15.9	15.9	16.0	16.0	16.0	16.1	16.0	16.0	16.0	15.9
-67.5°	14.3	14.4	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4
-68.75°	13.0	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.1
-70°	11.7	11.8	11.8	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.8
-71.25°	10.6	10.6	10.7	10.7	10.7	10.7	10.8	10.7	10.7	10.7	10.7
-72.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-73.75°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-75°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-76.25°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.6
-77.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-80°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-81.25°	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.3	5.3	5.3
-82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
-85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
-86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-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



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	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°	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
85°	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7
82.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
81.25°	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1
80°	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8
78.75°	6.7	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4
77.5°	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0
76.25°	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.5	7.4
75°	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8
73.75°	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2
72.5°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.1	9.0
71.25°	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8
70°	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.2	11.1	11.0	10.9
68.75°	13.1	13.0	12.9	12.8	12.8	12.7	12.5	12.4	12.3	12.1	12.0
67.5°	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.2
66.25°	15.9	15.8	15.7	15.6	15.5	15.3	15.2	15.0	14.8	14.6	14.4
65°	17.4	17.3	17.2	17.1	17.0	16.8	16.7	16.5	16.3	16.1	15.9
63.75°	18.9	18.9	18.7	18.6	18.5	18.3	18.1	18.0	17.8	17.5	17.3
62.5°	20.5	20.4	20.3	20.1	20.0	19.8	19.6	19.4	19.2	19.0	18.8
61.25°	21.5	21.4	21.4	21.3	21.2	21.1	21.0	20.8	20.7	20.5	20.2
60°	22.5	22.4	22.3	22.2	22.1	22.0	21.9	21.7	21.6	21.4	21.3
58.75°	23.6	23.5	23.4	23.3	23.1	23.0	22.8	22.7	22.5	22.3	22.2
57.5°	24.7	24.6	24.5	24.4	24.3	24.1	23.9	23.8	23.6	23.4	23.1
56.25°	25.2	25.2	25.1	25.1	25.0	25.0	24.9	24.9	24.7	24.4	24.2
55°	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.2	25.1	25.0
53.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3
52.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
48.75°	25.9	25.9	25.8	25.8	25.7	25.6	25.6	25.6	25.6	25.6	25.6
47.5°	26.3	26.3	26.2	26.1	26.1	26.0	25.9	25.8	25.7	25.6	25.6
46.25°	26.8	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26.0	25.9
45°	27.4	27.4	27.3	27.2	27.1	27.0	26.8	26.7	26.5	26.4	26.3
43.75°	28.0	27.9	27.8	27.8	27.6	27.5	27.4	27.2	27.1	26.9	26.7
42.5°	28.5	28.5	28.4	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.3
41.25°	29.1	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.1	28.0	27.8
40°	29.7	29.6	29.5	29.4	29.3	29.1	29.0	28.8	28.6	28.5	28.3
38.75°	30.3	30.2	30.1	30.0	29.9	29.7	29.5	29.4	29.2	29.0	28.7
37.5°	30.8	30.7	30.6	30.5	30.4	30.2	30.1	29.9	29.7	29.5	29.3
36.25°	31.7	31.5	31.3	31.1	30.9	30.8	30.6	30.4	30.2	30.0	29.8
35°	32.9	32.7	32.4	32.2	31.9	31.6	31.2	30.9	30.7	30.5	30.3



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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°	35.2	34.7	34.0	33.3	33.0	32.6	32.3	31.9	31.4	31.0	30.8
32.5°	38.4	37.8	37.1	36.3	35.4	34.4	33.3	32.9	32.4	32.0	31.5
31.25°	41.9	41.2	40.3	39.4	38.4	37.4	36.3	35.0	33.7	33.0	32.4
30°	45.7	44.9	44.0	43.0	41.8	40.5	39.2	37.9	36.5	35.1	33.5
28.75°	50.6	49.3	47.8	46.6	45.4	44.0	42.5	40.9	39.3	37.8	36.2
27.5°	64.5	60.5	55.9	51.8	49.7	47.5	45.9	44.3	42.5	40.6	38.8
26.25°	103.5	92.6	81.0	67.8	60.9	54.1	50.4	47.7	45.8	43.8	41.7
25°	162.7	145.9	128.9	109.4	91.4	74.3	62.1	53.8	49.8	46.9	44.8
23.75°	230.9	211.5	189.9	166.2	140.8	115.9	92.1	71.4	59.4	51.4	47.9
22.5°	302.0	281.5	257.7	230.7	200.8	170.3	138.9	108.6	83.3	63.4	52.8
21.25°	363.9	350.6	326.0	297.4	265.8	231.3	194.6	157.8	122.9	91.3	65.9
20°	407.1	393.0	376.6	358.2	330.1	293.8	254.7	213.1	171.6	131.5	95.3
18.75°	448.1	435.0	417.6	398.1	376.5	353.1	314.1	270.5	224.6	178.5	134.4
17.5°	485.2	469.5	454.6	437.4	414.6	389.9	363.5	326.5	278.5	228.5	178.5
16.25°	529.6	510.4	490.4	469.0	449.6	425.8	398.0	368.7	330.6	278.5	224.6
15°	587.3	559.6	532.3	506.0	480.8	456.7	431.5	400.8	368.7	326.5	270.5
13.75°	673.8	629.5	585.7	548.0	516.8	486.9	459.1	431.5	398.0	363.5	314.1
12.5°	786.5	725.6	662.6	602.8	558.2	520.4	486.9	456.7	425.8	389.9	353.1
11.25°	936.0	846.5	758.6	679.5	610.8	558.2	516.8	480.8	449.6	414.6	376.5
10°	1128.9	998.3	877.3	769.8	679.5	602.8	548.0	506.0	469.0	437.4	398.1
8.75°	1386.4	1190.3	1019.4	877.3	758.6	662.6	585.7	532.3	490.4	454.6	417.6
7.5°	1713.1	1432.2	1190.3	998.3	846.5	725.6	629.5	559.6	510.4	469.5	435.0
6.25°	2082.3	1713.1	1386.4	1128.9	936.0	786.5	673.8	587.3	529.6	485.2	448.1
5°	2454.2	2004.1	1594.8	1266.8	1028.2	852.5	718.8	616.1	546.0	498.2	458.2
3.75°	2795.0	2283.1	1805.7	1406.7	1111.8	905.5	756.1	643.7	563.2	509.2	466.2
2.5°	3059.1	2499.3	1968.4	1521.3	1186.8	953.8	784.2	663.9	575.7	517.8	472.5
1.25°	3227.7	2643.0	2078.7	1592.1	1232.8	984.2	805.8	676.1	583.3	523.0	476.7
0°	3286.0	2692.2	2118.1	1616.0	1248.4	994.5	813.1	680.2	585.8	524.8	478.1
-1.25°	3227.7	2643.0	2078.7	1592.1	1232.8	984.2	805.8	676.1	583.3	523.0	476.7
-2.5°	3059.1	2499.3	1968.4	1521.3	1186.8	953.8	784.2	663.9	575.7	517.8	472.5
-3.75°	2795.0	2283.1	1805.7	1406.7	1111.8	905.5	756.1	643.7	563.2	509.2	466.2
-5°	2454.2	2004.1	1594.8	1266.8	1028.2	852.5	718.8	616.1	546.0	498.2	458.2
-6.25°	2082.3	1713.1	1386.4	1128.9	936.0	786.5	673.8	587.3	529.6	485.2	448.1
-7.5°	1713.1	1432.2	1190.3	998.3	846.5	725.6	629.5	559.6	510.4	469.5	435.0
-8.75°	1386.4	1190.3	1019.4	877.3	758.6	662.6	585.7	532.3	490.4	454.6	417.6
-10°	1128.9	998.3	877.3	769.8	679.5	602.8	548.0	506.0	469.0	437.4	398.1
-11.25°	936.0	846.5	758.6	679.5	610.8	558.2	516.8	480.8	449.6	414.6	376.5
-12.5°	786.5	725.6	662.6	602.8	558.2	520.4	486.9	456.7	425.8	389.9	353.1
-13.75°	673.8	629.5	585.7	548.0	516.8	486.9	459.1	431.5	398.0	363.5	314.1
-15°	587.3	559.6	532.3	506.0	480.8	456.7	431.5	400.8	368.7	326.5	270.5
-16.25°	529.6	510.4	490.4	469.0	449.6	425.8	398.0	368.7	330.6	278.5	224.6
-17.5°	485.2	469.5	454.6	437.4	414.6	389.9	363.5	326.5	278.5	228.5	178.5
-18.75°	448.1	435.0	417.6	398.1	376.5	353.1	314.1	270.5	224.6	178.5	134.4
-20°	407.1	393.0	376.6	358.2	330.1	293.8	254.7	213.1	171.6	131.5	95.3
-21.25°	363.9	350.6	326.0	297.4	265.8	231.3	194.6	157.8	122.9	91.3	65.9



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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°	302.0	281.5	257.7	230.7	200.8	170.3	138.9	108.6	83.3	63.4	52.8
-23.75°	230.9	211.5	189.9	166.2	140.8	115.9	92.1	71.4	59.4	51.4	47.9
-25°	162.7	145.9	128.9	109.4	91.4	74.3	62.1	53.8	49.8	46.9	44.8
-26.25°	103.5	92.6	81.0	67.8	60.9	54.1	50.4	47.7	45.8	43.8	41.7
-27.5°	64.5	60.5	55.9	51.8	49.7	47.5	45.9	44.3	42.5	40.6	38.8
-28.75°	50.6	49.3	47.8	46.6	45.4	44.0	42.5	40.9	39.3	37.8	36.2
-30°	45.7	44.9	44.0	43.0	41.8	40.5	39.2	37.9	36.5	35.1	33.5
-31.25°	41.9	41.2	40.3	39.4	38.4	37.4	36.3	35.0	33.7	33.0	32.4
-32.5°	38.4	37.8	37.1	36.3	35.4	34.4	33.3	32.9	32.4	32.0	31.5
-33.75°	35.2	34.7	34.0	33.3	33.0	32.6	32.3	31.9	31.4	31.0	30.8
-35°	32.9	32.7	32.4	32.2	31.9	31.6	31.2	30.9	30.7	30.5	30.3
-36.25°	31.7	31.5	31.3	31.1	30.9	30.8	30.6	30.4	30.2	30.0	29.8
-37.5°	30.8	30.7	30.6	30.5	30.4	30.2	30.1	29.9	29.7	29.5	29.3
-38.75°	30.3	30.2	30.1	30.0	29.9	29.7	29.5	29.4	29.2	29.0	28.7
-40°	29.7	29.6	29.5	29.4	29.3	29.1	29.0	28.8	28.6	28.5	28.3
-41.25°	29.1	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.1	28.0	27.8
-42.5°	28.5	28.5	28.4	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.3
-43.75°	28.0	27.9	27.8	27.8	27.6	27.5	27.4	27.2	27.1	26.9	26.7
-45°	27.4	27.4	27.3	27.2	27.1	27.0	26.8	26.7	26.5	26.4	26.3
-46.25°	26.8	26.8	26.7	26.6	26.5	26.4	26.3	26.2	26.1	26.0	25.9
-47.5°	26.3	26.3	26.2	26.1	26.1	26.0	25.9	25.8	25.7	25.6	25.6
-48.75°	25.9	25.9	25.8	25.8	25.7	25.6	25.6	25.6	25.6	25.6	25.6
-50°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-51.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-52.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-53.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3
-55°	25.5	25.5	25.5	25.4	25.4	25.3	25.3	25.2	25.2	25.1	25.0
-56.25°	25.2	25.2	25.1	25.1	25.0	25.0	24.9	24.9	24.7	24.4	24.2
-57.5°	24.7	24.6	24.5	24.4	24.3	24.1	23.9	23.8	23.6	23.4	23.1
-58.75°	23.6	23.5	23.4	23.3	23.1	23.0	22.8	22.7	22.5	22.3	22.2
-60°	22.5	22.4	22.3	22.2	22.1	22.0	21.9	21.7	21.6	21.4	21.3
-61.25°	21.5	21.4	21.4	21.3	21.2	21.1	21.0	20.8	20.7	20.5	20.2
-62.5°	20.5	20.4	20.3	20.1	20.0	19.8	19.6	19.4	19.2	19.0	18.8
-63.75°	18.9	18.9	18.7	18.6	18.5	18.3	18.1	18.0	17.8	17.5	17.3
-65°	17.4	17.3	17.2	17.1	17.0	16.8	16.7	16.5	16.3	16.1	15.9
-66.25°	15.9	15.8	15.7	15.6	15.5	15.3	15.2	15.0	14.8	14.6	14.4
-67.5°	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.5	13.4	13.2
-68.75°	13.1	13.0	12.9	12.8	12.8	12.7	12.5	12.4	12.3	12.1	12.0
-70°	11.8	11.7	11.7	11.6	11.5	11.4	11.4	11.2	11.1	11.0	10.9
-71.25°	10.6	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8
-72.5°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.1	9.0
-73.75°	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2
-75°	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8
-76.25°	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.5	7.4
-77.5°	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	6.7	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4
-80°	6.1	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8
-81.25°	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1
-82.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
-83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7
-85°	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-86.25°	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
-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



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	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°	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
85°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.5
83.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3
82.5°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
81.25°	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5
80°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2
78.75°	6.4	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8
77.5°	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3
76.25°	7.4	7.4	7.4	7.3	7.3	7.2	7.1	7.1	7.0	6.9	6.9
75°	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.3
73.75°	8.2	8.1	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6
72.5°	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
71.25°	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.6	8.5
70°	10.7	10.6	10.4	10.3	10.1	9.9	9.7	9.6	9.4	9.3	9.1
68.75°	11.8	11.7	11.5	11.3	11.1	11.0	10.8	10.5	10.3	10.1	9.9
67.5°	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.3	11.1	10.8
66.25°	14.2	14.0	13.8	13.6	13.4	13.1	12.9	12.6	12.3	12.0	11.8
65°	15.6	15.4	15.1	14.8	14.5	14.3	14.0	13.7	13.4	13.1	12.8
63.75°	17.1	16.8	16.5	16.2	15.9	15.6	15.2	14.9	14.5	14.2	13.9
62.5°	18.5	18.2	17.9	17.6	17.3	16.9	16.6	16.2	15.8	15.4	15.0
61.25°	19.9	19.6	19.3	19.0	18.6	18.3	17.9	17.5	17.1	16.7	16.3
60°	21.1	20.9	20.7	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.5
58.75°	22.0	21.8	21.6	21.3	21.1	20.9	20.6	20.1	19.7	19.2	18.8
57.5°	22.9	22.6	22.4	22.2	21.9	21.7	21.4	21.2	20.9	20.5	20.0
56.25°	24.0	23.7	23.4	23.1	22.8	22.5	22.2	22.0	21.7	21.4	21.0
55°	24.9	24.7	24.4	24.1	23.8	23.5	23.1	22.8	22.4	22.1	21.8
53.75°	25.3	25.2	25.1	25.0	24.8	24.5	24.1	23.7	23.3	22.9	22.5
52.5°	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.7	24.3	23.9	23.4
51.25°	25.6	25.6	25.6	25.6	25.5	25.4	25.2	25.1	25.0	24.8	24.3
50°	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3	25.1	25.0
48.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3
47.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5
46.25°	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
45°	26.1	26.0	25.9	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6
43.75°	26.5	26.3	26.2	26.0	25.9	25.7	25.6	25.6	25.6	25.6	25.6
42.5°	27.0	26.8	26.6	26.4	26.2	26.0	25.9	25.7	25.6	25.6	25.6
41.25°	27.6	27.4	27.1	26.9	26.6	26.4	26.2	26.0	25.8	25.6	25.6
40°	28.1	27.8	27.6	27.4	27.1	26.8	26.5	26.3	26.1	25.9	25.7
38.75°	28.5	28.3	28.1	27.8	27.6	27.3	27.0	26.7	26.4	26.2	26.0
37.5°	29.0	28.8	28.5	28.3	28.0	27.8	27.5	27.2	26.8	26.5	26.2
36.25°	29.6	29.3	29.0	28.7	28.5	28.2	27.9	27.6	27.3	26.9	26.6
35°	30.0	29.8	29.5	29.2	28.9	28.6	28.3	28.0	27.7	27.3	27.0



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	30.5	30.3	30.0	29.7	29.4	29.0	28.7	28.4	28.1	27.7	27.4
32.5°	31.0	30.7	30.4	30.1	29.8	29.5	29.1	28.8	28.4	28.1	27.8
31.25°	31.9	31.3	30.9	30.6	30.2	29.9	29.6	29.2	28.8	28.5	28.1
30°	32.8	32.2	31.6	31.0	30.7	30.3	30.0	29.6	29.2	28.8	28.4
28.75°	34.5	33.1	32.5	31.8	31.1	30.7	30.4	30.0	29.6	29.2	28.8
27.5°	37.1	35.3	33.4	32.6	31.9	31.2	30.7	30.4	30.0	29.6	29.1
26.25°	39.6	37.7	35.8	33.8	32.7	32.0	31.2	30.7	30.3	29.9	29.5
25°	42.5	40.2	38.1	36.0	33.9	32.7	31.9	31.1	30.7	30.2	29.8
23.75°	45.4	43.0	40.5	38.3	36.0	33.8	32.6	31.8	31.0	30.6	30.1
22.5°	48.7	45.8	43.2	40.5	38.1	35.8	33.4	32.5	31.6	30.9	30.4
21.25°	54.4	49.0	45.8	43.0	40.2	37.7	35.3	33.1	32.2	31.3	30.7
20°	66.9	54.4	48.7	45.4	42.5	39.6	37.1	34.5	32.8	31.9	31.0
18.75°	95.3	65.9	52.8	47.9	44.8	41.7	38.8	36.2	33.5	32.4	31.5
17.5°	131.5	91.3	63.4	51.4	46.9	43.8	40.6	37.8	35.1	33.0	32.0
16.25°	171.6	122.9	83.3	59.4	49.8	45.8	42.5	39.3	36.5	33.7	32.4
15°	213.1	157.8	108.6	71.4	53.8	47.7	44.3	40.9	37.9	35.0	32.9
13.75°	254.7	194.6	138.9	92.1	62.1	50.4	45.9	42.5	39.2	36.3	33.3
12.5°	293.8	231.3	170.3	115.9	74.3	54.1	47.5	44.0	40.5	37.4	34.4
11.25°	330.1	265.8	200.8	140.8	91.4	60.9	49.7	45.4	41.8	38.4	35.4
10°	358.2	297.4	230.7	166.2	109.4	67.8	51.8	46.6	43.0	39.4	36.3
8.75°	376.6	326.0	257.7	189.9	128.9	81.0	55.9	47.8	44.0	40.3	37.1
7.5°	393.0	350.6	281.5	211.5	145.9	92.6	60.5	49.3	44.9	41.2	37.8
6.25°	407.1	363.9	302.0	230.9	162.7	103.5	64.5	50.6	45.7	41.9	38.4
5°	418.8	375.0	319.0	247.0	176.7	115.0	69.4	51.7	46.3	42.5	38.9
3.75°	428.1	383.7	332.4	259.6	187.8	124.0	75.5	52.8	46.8	43.0	39.3
2.5°	434.8	389.9	342.0	268.6	195.7	130.4	79.9	54.5	47.2	43.4	39.6
1.25°	438.8	393.7	347.9	274.1	200.5	134.3	82.6	55.6	47.4	43.6	39.7
0°	440.2	395.0	349.8	276.0	202.1	135.6	83.5	56.0	47.5	43.7	39.8
-1.25°	438.8	393.7	347.9	274.1	200.5	134.3	82.6	55.6	47.4	43.6	39.7
-2.5°	434.8	389.9	342.0	268.6	195.7	130.4	79.9	54.5	47.2	43.4	39.6
-3.75°	428.1	383.7	332.4	259.6	187.8	124.0	75.5	52.8	46.8	43.0	39.3
-5°	418.8	375.0	319.0	247.0	176.7	115.0	69.4	51.7	46.3	42.5	38.9
-6.25°	407.1	363.9	302.0	230.9	162.7	103.5	64.5	50.6	45.7	41.9	38.4
-7.5°	393.0	350.6	281.5	211.5	145.9	92.6	60.5	49.3	44.9	41.2	37.8
-8.75°	376.6	326.0	257.7	189.9	128.9	81.0	55.9	47.8	44.0	40.3	37.1
-10°	358.2	297.4	230.7	166.2	109.4	67.8	51.8	46.6	43.0	39.4	36.3
-11.25°	330.1	265.8	200.8	140.8	91.4	60.9	49.7	45.4	41.8	38.4	35.4
-12.5°	293.8	231.3	170.3	115.9	74.3	54.1	47.5	44.0	40.5	37.4	34.4
-13.75°	254.7	194.6	138.9	92.1	62.1	50.4	45.9	42.5	39.2	36.3	33.3
-15°	213.1	157.8	108.6	71.4	53.8	47.7	44.3	40.9	37.9	35.0	32.9
-16.25°	171.6	122.9	83.3	59.4	49.8	45.8	42.5	39.3	36.5	33.7	32.4
-17.5°	131.5	91.3	63.4	51.4	46.9	43.8	40.6	37.8	35.1	33.0	32.0
-18.75°	95.3	65.9	52.8	47.9	44.8	41.7	38.8	36.2	33.5	32.4	31.5
-20°	66.9	54.4	48.7	45.4	42.5	39.6	37.1	34.5	32.8	31.9	31.0
-21.25°	54.4	49.0	45.8	43.0	40.2	37.7	35.3	33.1	32.2	31.3	30.7





REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°
-22.5°	48.7	45.8	43.2	40.5	38.1	35.8	33.4	32.5	31.6	30.9	30.4
-23.75°	45.4	43.0	40.5	38.3	36.0	33.8	32.6	31.8	31.0	30.6	30.1
-25°	42.5	40.2	38.1	36.0	33.9	32.7	31.9	31.1	30.7	30.2	29.8
-26.25°	39.6	37.7	35.8	33.8	32.7	32.0	31.2	30.7	30.3	29.9	29.5
-27.5°	37.1	35.3	33.4	32.6	31.9	31.2	30.7	30.4	30.0	29.6	29.1
-28.75°	34.5	33.1	32.5	31.8	31.1	30.7	30.4	30.0	29.6	29.2	28.8
-30°	32.8	32.2	31.6	31.0	30.7	30.3	30.0	29.6	29.2	28.8	28.4
-31.25°	31.9	31.3	30.9	30.6	30.2	29.9	29.6	29.2	28.8	28.5	28.1
-32.5°	31.0	30.7	30.4	30.1	29.8	29.5	29.1	28.8	28.4	28.1	27.8
-33.75°	30.5	30.3	30.0	29.7	29.4	29.0	28.7	28.4	28.1	27.7	27.4
-35°	30.0	29.8	29.5	29.2	28.9	28.6	28.3	28.0	27.7	27.3	27.0
-36.25°	29.6	29.3	29.0	28.7	28.5	28.2	27.9	27.6	27.3	26.9	26.6
-37.5°	29.0	28.8	28.5	28.3	28.0	27.8	27.5	27.2	26.8	26.5	26.2
-38.75°	28.5	28.3	28.1	27.8	27.6	27.3	27.0	26.7	26.4	26.2	26.0
-40°	28.1	27.8	27.6	27.4	27.1	26.8	26.5	26.3	26.1	25.9	25.7
-41.25°	27.6	27.4	27.1	26.9	26.6	26.4	26.2	26.0	25.8	25.6	25.6
-42.5°	27.0	26.8	26.6	26.4	26.2	26.0	25.9	25.7	25.6	25.6	25.6
-43.75°	26.5	26.3	26.2	26.0	25.9	25.7	25.6	25.6	25.6	25.6	25.6
-45°	26.1	26.0	25.9	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-46.25°	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
-47.5°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5
-48.75°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3
-50°	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.4	25.3	25.1	25.0
-51.25°	25.6	25.6	25.6	25.6	25.5	25.4	25.2	25.1	25.0	24.8	24.3
-52.5°	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.7	24.3	23.9	23.4
-53.75°	25.3	25.2	25.1	25.0	24.8	24.5	24.1	23.7	23.3	22.9	22.5
-55°	24.9	24.7	24.4	24.1	23.8	23.5	23.1	22.8	22.4	22.1	21.8
-56.25°	24.0	23.7	23.4	23.1	22.8	22.5	22.2	22.0	21.7	21.4	21.0
-57.5°	22.9	22.6	22.4	22.2	21.9	21.7	21.4	21.2	20.9	20.5	20.0
-58.75°	22.0	21.8	21.6	21.3	21.1	20.9	20.6	20.1	19.7	19.2	18.8
-60°	21.1	20.9	20.7	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.5
-61.25°	19.9	19.6	19.3	19.0	18.6	18.3	17.9	17.5	17.1	16.7	16.3
-62.5°	18.5	18.2	17.9	17.6	17.3	16.9	16.6	16.2	15.8	15.4	15.0
-63.75°	17.1	16.8	16.5	16.2	15.9	15.6	15.2	14.9	14.5	14.2	13.9
-65°	15.6	15.4	15.1	14.8	14.5	14.3	14.0	13.7	13.4	13.1	12.8
-66.25°	14.2	14.0	13.8	13.6	13.4	13.1	12.9	12.6	12.3	12.0	11.8
-67.5°	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.3	11.1	10.8
-68.75°	11.8	11.7	11.5	11.3	11.1	11.0	10.8	10.5	10.3	10.1	9.9
-70°	10.7	10.6	10.4	10.3	10.1	9.9	9.7	9.6	9.4	9.3	9.1
-71.25°	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.6	8.5
-72.5°	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
-73.75°	8.2	8.1	8.0	8.0	7.9	7.9	7.8	7.8	7.7	7.7	7.6
-75°	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.4	7.3
-76.25°	7.4	7.4	7.4	7.3	7.3	7.2	7.1	7.1	7.0	6.9	6.9
-77.5°	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	6.4	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8
-80°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2
-81.25°	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5
-82.5°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
-83.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3
-85°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.6	2.5	2.5
-86.25°	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
-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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.2
85°	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9
83.75°	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.6
82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2
81.25°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
80°	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
78.75°	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8
77.5°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3
76.25°	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8
75°	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.2
73.75°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7
72.5°	7.9	7.8	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.1
71.25°	8.3	8.2	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
70°	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.9	7.8	7.7	7.6
68.75°	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	8.0	7.9
67.5°	10.6	10.3	10.0	9.8	9.5	9.3	9.1	8.9	8.7	8.4	8.2
66.25°	11.5	11.2	10.9	10.6	10.3	10.0	9.7	9.5	9.2	9.0	8.7
65°	12.5	12.2	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.3
63.75°	13.5	13.2	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.3	9.9
62.5°	14.6	14.2	13.8	13.4	13.1	12.6	12.2	11.8	11.4	11.0	10.6
61.25°	15.8	15.4	14.9	14.4	14.0	13.6	13.1	12.7	12.2	11.8	11.4
60°	17.1	16.6	16.1	15.6	15.1	14.5	14.1	13.6	13.1	12.6	12.1
58.75°	18.3	17.8	17.3	16.7	16.2	15.6	15.1	14.5	14.0	13.5	13.0
57.5°	19.5	19.0	18.4	17.9	17.3	16.7	16.1	15.5	14.9	14.3	13.8
56.25°	20.7	20.2	19.6	19.0	18.4	17.8	17.2	16.6	15.9	15.3	14.6
55°	21.4	21.1	20.7	20.2	19.5	18.9	18.3	17.6	17.0	16.3	15.6
53.75°	22.2	21.8	21.4	21.1	20.7	20.0	19.3	18.6	18.0	17.2	16.5
52.5°	23.0	22.5	22.1	21.7	21.3	20.9	20.4	19.7	18.9	18.2	17.5
51.25°	23.9	23.4	22.9	22.4	22.0	21.6	21.1	20.7	19.9	19.2	18.4
50°	24.7	24.2	23.7	23.2	22.7	22.2	21.8	21.3	20.8	20.1	19.3
48.75°	25.1	25.0	24.6	24.0	23.5	22.9	22.4	21.9	21.4	20.9	20.2
47.5°	25.4	25.2	25.0	24.8	24.3	23.7	23.1	22.5	22.0	21.5	21.0
46.25°	25.6	25.5	25.3	25.1	24.9	24.4	23.8	23.2	22.6	22.0	21.5
45°	25.6	25.6	25.5	25.4	25.2	25.0	24.5	23.9	23.3	22.6	22.0
43.75°	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.6	23.9	23.3	22.6
42.5°	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.6	23.9	23.2
41.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.5	23.8
40°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.4
38.75°	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	24.9
37.5°	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.1
36.25°	26.3	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.3
35°	26.6	26.3	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.5



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	27.0	26.6	26.3	26.0	25.7	25.6	25.6	25.6	25.6	25.6	25.6
32.5°	27.4	27.0	26.6	26.2	26.0	25.7	25.6	25.6	25.6	25.6	25.6
31.25°	27.7	27.3	26.9	26.5	26.2	25.9	25.6	25.6	25.6	25.6	25.6
30°	28.1	27.7	27.3	26.8	26.4	26.1	25.8	25.6	25.6	25.6	25.6
28.75°	28.4	28.0	27.6	27.2	26.7	26.3	26.0	25.7	25.6	25.6	25.6
27.5°	28.7	28.3	27.9	27.5	27.0	26.5	26.2	25.9	25.6	25.6	25.6
26.25°	29.0	28.6	28.2	27.8	27.3	26.8	26.4	26.0	25.7	25.6	25.6
25°	29.4	28.9	28.5	28.0	27.6	27.1	26.6	26.2	25.9	25.6	25.6
23.75°	29.7	29.2	28.7	28.3	27.8	27.4	26.9	26.4	26.0	25.7	25.6
22.5°	30.0	29.5	29.0	28.5	28.1	27.6	27.1	26.6	26.2	25.9	25.6
21.25°	30.3	29.8	29.3	28.8	28.3	27.8	27.4	26.8	26.3	26.0	25.6
20°	30.5	30.0	29.6	29.0	28.5	28.1	27.6	27.0	26.5	26.1	25.8
18.75°	30.8	30.3	29.8	29.3	28.7	28.3	27.8	27.3	26.7	26.3	25.9
17.5°	31.0	30.5	30.0	29.5	29.0	28.5	28.0	27.4	26.9	26.4	26.0
16.25°	31.4	30.7	30.2	29.7	29.2	28.6	28.1	27.6	27.1	26.5	26.1
15°	31.9	30.9	30.4	29.9	29.4	28.8	28.3	27.8	27.2	26.7	26.2
13.75°	32.3	31.2	30.6	30.1	29.5	29.0	28.4	27.9	27.4	26.8	26.3
12.5°	32.6	31.6	30.8	30.2	29.7	29.1	28.6	28.1	27.5	27.0	26.4
11.25°	33.0	31.9	30.9	30.4	29.9	29.3	28.7	28.2	27.6	27.1	26.5
10°	33.3	32.2	31.1	30.5	30.0	29.4	28.8	28.3	27.8	27.2	26.6
8.75°	34.0	32.4	31.3	30.6	30.1	29.5	28.9	28.4	27.8	27.3	26.7
7.5°	34.7	32.7	31.5	30.7	30.2	29.6	29.0	28.5	27.9	27.4	26.8
6.25°	35.2	32.9	31.7	30.8	30.3	29.7	29.1	28.5	28.0	27.4	26.8
5°	35.7	33.0	31.9	30.9	30.3	29.8	29.2	28.6	28.0	27.5	26.9
3.75°	36.1	33.1	32.0	30.9	30.4	29.8	29.2	28.6	28.1	27.5	26.9
2.5°	36.3	33.2	32.1	31.0	30.4	29.9	29.3	28.7	28.1	27.6	27.0
1.25°	36.5	33.3	32.1	31.0	30.4	29.9	29.3	28.7	28.1	27.6	27.0
0°	36.6	33.3	32.2	31.0	30.5	29.9	29.3	28.7	28.2	27.6	27.0
-1.25°	36.5	33.3	32.1	31.0	30.4	29.9	29.3	28.7	28.1	27.6	27.0
-2.5°	36.3	33.2	32.1	31.0	30.4	29.9	29.3	28.7	28.1	27.6	27.0
-3.75°	36.1	33.1	32.0	30.9	30.4	29.8	29.2	28.6	28.1	27.5	26.9
-5°	35.7	33.0	31.9	30.9	30.3	29.8	29.2	28.6	28.0	27.5	26.9
-6.25°	35.2	32.9	31.7	30.8	30.3	29.7	29.1	28.5	28.0	27.4	26.8
-7.5°	34.7	32.7	31.5	30.7	30.2	29.6	29.0	28.5	27.9	27.4	26.8
-8.75°	34.0	32.4	31.3	30.6	30.1	29.5	28.9	28.4	27.8	27.3	26.7
-10°	33.3	32.2	31.1	30.5	30.0	29.4	28.8	28.3	27.8	27.2	26.6
-11.25°	33.0	31.9	30.9	30.4	29.9	29.3	28.7	28.2	27.6	27.1	26.5
-12.5°	32.6	31.6	30.8	30.2	29.7	29.1	28.6	28.1	27.5	27.0	26.4
-13.75°	32.3	31.2	30.6	30.1	29.5	29.0	28.4	27.9	27.4	26.8	26.3
-15°	31.9	30.9	30.4	29.9	29.4	28.8	28.3	27.8	27.2	26.7	26.2
-16.25°	31.4	30.7	30.2	29.7	29.2	28.6	28.1	27.6	27.1	26.5	26.1
-17.5°	31.0	30.5	30.0	29.5	29.0	28.5	28.0	27.4	26.9	26.4	26.0
-18.75°	30.8	30.3	29.8	29.3	28.7	28.3	27.8	27.3	26.7	26.3	25.9
-20°	30.5	30.0	29.6	29.0	28.5	28.1	27.6	27.0	26.5	26.1	25.8
-21.25°	30.3	29.8	29.3	28.8	28.3	27.8	27.4	26.8	26.3	26.0	25.6



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	30.0	29.5	29.0	28.5	28.1	27.6	27.1	26.6	26.2	25.9	25.6
-23.75°	29.7	29.2	28.7	28.3	27.8	27.4	26.9	26.4	26.0	25.7	25.6
-25°	29.4	28.9	28.5	28.0	27.6	27.1	26.6	26.2	25.9	25.6	25.6
-26.25°	29.0	28.6	28.2	27.8	27.3	26.8	26.4	26.0	25.7	25.6	25.6
-27.5°	28.7	28.3	27.9	27.5	27.0	26.5	26.2	25.9	25.6	25.6	25.6
-28.75°	28.4	28.0	27.6	27.2	26.7	26.3	26.0	25.7	25.6	25.6	25.6
-30°	28.1	27.7	27.3	26.8	26.4	26.1	25.8	25.6	25.6	25.6	25.6
-31.25°	27.7	27.3	26.9	26.5	26.2	25.9	25.6	25.6	25.6	25.6	25.6
-32.5°	27.4	27.0	26.6	26.2	26.0	25.7	25.6	25.6	25.6	25.6	25.6
-33.75°	27.0	26.6	26.3	26.0	25.7	25.6	25.6	25.6	25.6	25.6	25.6
-35°	26.6	26.3	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.5
-36.25°	26.3	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.5	25.3
-37.5°	26.0	25.8	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.1
-38.75°	25.7	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	24.9
-40°	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.4
-41.25°	25.6	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.5	23.8
-42.5°	25.6	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.6	23.9	23.2
-43.75°	25.6	25.6	25.6	25.6	25.4	25.2	25.0	24.6	23.9	23.3	22.6
-45°	25.6	25.6	25.5	25.4	25.2	25.0	24.5	23.9	23.3	22.6	22.0
-46.25°	25.6	25.5	25.3	25.1	24.9	24.4	23.8	23.2	22.6	22.0	21.5
-47.5°	25.4	25.2	25.0	24.8	24.3	23.7	23.1	22.5	22.0	21.5	21.0
-48.75°	25.1	25.0	24.6	24.0	23.5	22.9	22.4	21.9	21.4	20.9	20.2
-50°	24.7	24.2	23.7	23.2	22.7	22.2	21.8	21.3	20.8	20.1	19.3
-51.25°	23.9	23.4	22.9	22.4	22.0	21.6	21.1	20.7	19.9	19.2	18.4
-52.5°	23.0	22.5	22.1	21.7	21.3	20.9	20.4	19.7	18.9	18.2	17.5
-53.75°	22.2	21.8	21.4	21.1	20.7	20.0	19.3	18.6	18.0	17.2	16.5
-55°	21.4	21.1	20.7	20.2	19.5	18.9	18.3	17.6	17.0	16.3	15.6
-56.25°	20.7	20.2	19.6	19.0	18.4	17.8	17.2	16.6	15.9	15.3	14.6
-57.5°	19.5	19.0	18.4	17.9	17.3	16.7	16.1	15.5	14.9	14.3	13.8
-58.75°	18.3	17.8	17.3	16.7	16.2	15.6	15.1	14.5	14.0	13.5	13.0
-60°	17.1	16.6	16.1	15.6	15.1	14.5	14.1	13.6	13.1	12.6	12.1
-61.25°	15.8	15.4	14.9	14.4	14.0	13.6	13.1	12.7	12.2	11.8	11.4
-62.5°	14.6	14.2	13.8	13.4	13.1	12.6	12.2	11.8	11.4	11.0	10.6
-63.75°	13.5	13.2	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.3	9.9
-65°	12.5	12.2	11.8	11.5	11.2	10.9	10.5	10.2	9.9	9.5	9.3
-66.25°	11.5	11.2	10.9	10.6	10.3	10.0	9.7	9.5	9.2	9.0	8.7
-67.5°	10.6	10.3	10.0	9.8	9.5	9.3	9.1	8.9	8.7	8.4	8.2
-68.75°	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	8.0	7.9
-70°	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.9	7.8	7.7	7.6
-71.25°	8.3	8.2	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
-72.5°	7.9	7.8	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.1
-73.75°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7
-75°	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.2
-76.25°	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8
-77.5°	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	5.7	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8
-80°	5.1	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-81.25°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
-82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2
-83.75°	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.6
-85°	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9
-86.25°	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.3	1.3	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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.3	1.2	1.2	1.1
83.75°	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6
82.5°	3.1	3.0	3.0	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
81.25°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.6
80°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
78.75°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5
77.5°	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8
76.25°	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.7	4.5	4.3	4.2
75°	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.6
73.75°	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.5	5.3	5.1	4.9
72.5°	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3
71.25°	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.1	5.9	5.6
70°	7.5	7.4	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0
68.75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3
67.5°	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.0	6.8	6.6
66.25°	8.5	8.3	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	6.9
65°	9.0	8.8	8.5	8.2	8.0	7.9	7.7	7.6	7.5	7.3	7.2
63.75°	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.8	7.6	7.5	7.4
62.5°	10.2	9.8	9.5	9.2	8.8	8.5	8.2	8.0	7.8	7.7	7.5
61.25°	10.9	10.5	10.1	9.6	9.3	9.0	8.6	8.3	8.0	7.8	7.7
60°	11.7	11.2	10.7	10.3	9.8	9.4	9.1	8.7	8.4	8.0	7.9
58.75°	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.1	8.8	8.4	8.0
57.5°	13.2	12.7	12.1	11.6	11.1	10.5	10.0	9.5	9.1	8.8	8.4
56.25°	14.0	13.4	12.9	12.3	11.7	11.1	10.6	10.0	9.5	9.1	8.7
55°	14.9	14.2	13.6	13.0	12.4	11.7	11.2	10.6	10.0	9.5	9.1
53.75°	15.8	15.1	14.3	13.7	13.0	12.4	11.7	11.1	10.5	9.9	9.4
52.5°	16.7	15.9	15.2	14.4	13.7	13.0	12.4	11.7	11.1	10.4	9.8
51.25°	17.6	16.8	16.0	15.2	14.4	13.7	13.0	12.3	11.6	10.9	10.3
50°	18.5	17.7	16.9	16.0	15.2	14.3	13.6	12.9	12.1	11.4	10.7
48.75°	19.4	18.6	17.7	16.8	15.9	15.1	14.2	13.4	12.7	11.9	11.2
47.5°	20.3	19.4	18.5	17.6	16.7	15.8	14.9	14.0	13.2	12.4	11.7
46.25°	21.0	20.2	19.3	18.4	17.5	16.5	15.6	14.6	13.8	13.0	12.1
45°	21.5	20.9	20.1	19.2	18.2	17.2	16.3	15.3	14.3	13.5	12.6
43.75°	22.0	21.4	20.8	19.9	18.9	18.0	17.0	15.9	14.9	14.0	13.1
42.5°	22.5	21.9	21.3	20.7	19.7	18.6	17.6	16.6	15.5	14.5	13.6
41.25°	23.1	22.4	21.8	21.1	20.4	19.3	18.3	17.2	16.1	15.1	14.1
40°	23.7	22.9	22.2	21.6	20.9	20.0	18.9	17.8	16.7	15.6	14.5
38.75°	24.3	23.5	22.7	22.0	21.3	20.7	19.5	18.4	17.3	16.2	15.1
37.5°	24.8	24.0	23.2	22.4	21.7	21.1	20.2	19.0	17.9	16.7	15.6
36.25°	25.0	24.6	23.7	22.9	22.1	21.4	20.7	19.6	18.4	17.3	16.1
35°	25.2	25.0	24.2	23.4	22.5	21.8	21.1	20.2	19.0	17.8	16.6



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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°	25.4	25.1	24.7	23.9	23.0	22.2	21.4	20.7	19.5	18.3	17.1
32.5°	25.5	25.3	25.0	24.3	23.4	22.5	21.8	21.0	20.0	18.8	17.5
31.25°	25.6	25.4	25.1	24.8	23.9	22.9	22.1	21.4	20.5	19.2	18.0
30°	25.6	25.5	25.3	25.0	24.3	23.3	22.4	21.7	20.9	19.7	18.4
28.75°	25.6	25.6	25.4	25.1	24.7	23.7	22.8	22.0	21.2	20.1	18.8
27.5°	25.6	25.6	25.5	25.2	25.0	24.1	23.1	22.2	21.4	20.6	19.2
26.25°	25.6	25.6	25.6	25.4	25.1	24.5	23.5	22.5	21.7	20.9	19.6
25°	25.6	25.6	25.6	25.5	25.2	24.8	23.8	22.8	21.9	21.1	20.0
23.75°	25.6	25.6	25.6	25.6	25.3	25.0	24.1	23.1	22.2	21.3	20.4
22.5°	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.4	22.4	21.6	20.7
21.25°	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.7	22.6	21.8	20.9
20°	25.6	25.6	25.6	25.6	25.6	25.3	24.9	24.0	22.9	22.0	21.1
18.75°	25.6	25.6	25.6	25.6	25.6	25.3	25.0	24.2	23.1	22.2	21.3
17.5°	25.6	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.4	22.3	21.4
16.25°	25.7	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.6	22.5	21.6
15°	25.8	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.8	22.7	21.7
13.75°	25.9	25.6	25.6	25.6	25.6	25.6	25.3	24.9	23.9	22.8	21.9
12.5°	26.0	25.6	25.6	25.6	25.6	25.6	25.3	25.0	24.1	23.0	22.0
11.25°	26.1	25.7	25.6	25.6	25.6	25.6	25.4	25.0	24.3	23.1	22.1
10°	26.1	25.8	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.3	22.2
8.75°	26.2	25.8	25.6	25.6	25.6	25.6	25.5	25.1	24.5	23.4	22.3
7.5°	26.3	25.9	25.6	25.6	25.6	25.6	25.5	25.2	24.6	23.5	22.4
6.25°	26.3	25.9	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.6	22.5
5°	26.3	25.9	25.6	25.6	25.6	25.6	25.6	25.2	24.8	23.6	22.5
3.75°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.8	23.7	22.5
2.5°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.7	22.6
1.25°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.7	22.6
0°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.3	24.9	23.8	22.6
-1.25°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.7	22.6
-2.5°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.7	22.6
-3.75°	26.4	26.0	25.6	25.6	25.6	25.6	25.6	25.2	24.8	23.7	22.5
-5°	26.3	25.9	25.6	25.6	25.6	25.6	25.6	25.2	24.8	23.6	22.5
-6.25°	26.3	25.9	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.6	22.5
-7.5°	26.3	25.9	25.6	25.6	25.6	25.6	25.5	25.2	24.6	23.5	22.4
-8.75°	26.2	25.8	25.6	25.6	25.6	25.6	25.5	25.1	24.5	23.4	22.3
-10°	26.1	25.8	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.3	22.2
-11.25°	26.1	25.7	25.6	25.6	25.6	25.6	25.4	25.0	24.3	23.1	22.1
-12.5°	26.0	25.6	25.6	25.6	25.6	25.6	25.3	25.0	24.1	23.0	22.0
-13.75°	25.9	25.6	25.6	25.6	25.6	25.6	25.3	24.9	23.9	22.8	21.9
-15°	25.8	25.6	25.6	25.6	25.6	25.6	25.2	24.9	23.8	22.7	21.7
-16.25°	25.7	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.6	22.5	21.6
-17.5°	25.6	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.4	22.3	21.4
-18.75°	25.6	25.6	25.6	25.6	25.6	25.3	25.0	24.2	23.1	22.2	21.3
-20°	25.6	25.6	25.6	25.6	25.6	25.3	24.9	24.0	22.9	22.0	21.1
-21.25°	25.6	25.6	25.6	25.6	25.5	25.2	24.7	23.7	22.6	21.8	20.9





REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	25.6	25.6	25.6	25.6	25.4	25.1	24.4	23.4	22.4	21.6	20.7
-23.75°	25.6	25.6	25.6	25.6	25.3	25.0	24.1	23.1	22.2	21.3	20.4
-25°	25.6	25.6	25.6	25.5	25.2	24.8	23.8	22.8	21.9	21.1	20.0
-26.25°	25.6	25.6	25.6	25.4	25.1	24.5	23.5	22.5	21.7	20.9	19.6
-27.5°	25.6	25.6	25.5	25.2	25.0	24.1	23.1	22.2	21.4	20.6	19.2
-28.75°	25.6	25.6	25.4	25.1	24.7	23.7	22.8	22.0	21.2	20.1	18.8
-30°	25.6	25.5	25.3	25.0	24.3	23.3	22.4	21.7	20.9	19.7	18.4
-31.25°	25.6	25.4	25.1	24.8	23.9	22.9	22.1	21.4	20.5	19.2	18.0
-32.5°	25.5	25.3	25.0	24.3	23.4	22.5	21.8	21.0	20.0	18.8	17.5
-33.75°	25.4	25.1	24.7	23.9	23.0	22.2	21.4	20.7	19.5	18.3	17.1
-35°	25.2	25.0	24.2	23.4	22.5	21.8	21.1	20.2	19.0	17.8	16.6
-36.25°	25.0	24.6	23.7	22.9	22.1	21.4	20.7	19.6	18.4	17.3	16.1
-37.5°	24.8	24.0	23.2	22.4	21.7	21.1	20.2	19.0	17.9	16.7	15.6
-38.75°	24.3	23.5	22.7	22.0	21.3	20.7	19.5	18.4	17.3	16.2	15.1
-40°	23.7	22.9	22.2	21.6	20.9	20.0	18.9	17.8	16.7	15.6	14.5
-41.25°	23.1	22.4	21.8	21.1	20.4	19.3	18.3	17.2	16.1	15.1	14.1
-42.5°	22.5	21.9	21.3	20.7	19.7	18.6	17.6	16.6	15.5	14.5	13.6
-43.75°	22.0	21.4	20.8	19.9	18.9	18.0	17.0	15.9	14.9	14.0	13.1
-45°	21.5	20.9	20.1	19.2	18.2	17.2	16.3	15.3	14.3	13.5	12.6
-46.25°	21.0	20.2	19.3	18.4	17.5	16.5	15.6	14.6	13.8	13.0	12.1
-47.5°	20.3	19.4	18.5	17.6	16.7	15.8	14.9	14.0	13.2	12.4	11.7
-48.75°	19.4	18.6	17.7	16.8	15.9	15.1	14.2	13.4	12.7	11.9	11.2
-50°	18.5	17.7	16.9	16.0	15.2	14.3	13.6	12.9	12.1	11.4	10.7
-51.25°	17.6	16.8	16.0	15.2	14.4	13.7	13.0	12.3	11.6	10.9	10.3
-52.5°	16.7	15.9	15.2	14.4	13.7	13.0	12.4	11.7	11.1	10.4	9.8
-53.75°	15.8	15.1	14.3	13.7	13.0	12.4	11.7	11.1	10.5	9.9	9.4
-55°	14.9	14.2	13.6	13.0	12.4	11.7	11.2	10.6	10.0	9.5	9.1
-56.25°	14.0	13.4	12.9	12.3	11.7	11.1	10.6	10.0	9.5	9.1	8.7
-57.5°	13.2	12.7	12.1	11.6	11.1	10.5	10.0	9.5	9.1	8.8	8.4
-58.75°	12.4	11.9	11.4	10.9	10.4	9.9	9.5	9.1	8.8	8.4	8.0
-60°	11.7	11.2	10.7	10.3	9.8	9.4	9.1	8.7	8.4	8.0	7.9
-61.25°	10.9	10.5	10.1	9.6	9.3	9.0	8.6	8.3	8.0	7.8	7.7
-62.5°	10.2	9.8	9.5	9.2	8.8	8.5	8.2	8.0	7.8	7.7	7.5
-63.75°	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.8	7.6	7.5	7.4
-65°	9.0	8.8	8.5	8.2	8.0	7.9	7.7	7.6	7.5	7.3	7.2
-66.25°	8.5	8.3	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	6.9
-67.5°	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.0	6.8	6.6
-68.75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.7	6.5	6.3
-70°	7.5	7.4	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0
-71.25°	7.3	7.2	7.0	6.9	6.7	6.6	6.4	6.2	6.1	5.9	5.6
-72.5°	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9	5.7	5.5	5.3
-73.75°	6.5	6.4	6.3	6.1	6.0	5.8	5.6	5.5	5.3	5.1	4.9
-75°	6.1	6.0	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.6
-76.25°	5.6	5.5	5.4	5.2	5.1	4.9	4.8	4.7	4.5	4.3	4.2
-77.5°	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5
-80°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
-81.25°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.7	2.6
-82.5°	3.1	3.0	3.0	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
-83.75°	2.5	2.4	2.3	2.2	2.1	2.1	2.0	1.9	1.8	1.7	1.6
-85°	1.8	1.7	1.7	1.6	1.5	1.5	1.4	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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	1.5	1.4	1.3	1.2	1.1	1.1	1.0	0.9	0.9	0.8	0.8
82.5°	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.1	1.1	1.0	0.9
81.25°	2.5	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.2	1.1
80°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.7	1.5	1.3
78.75°	3.3	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6
77.5°	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.9
76.25°	4.0	3.9	3.7	3.6	3.4	3.2	3.1	2.8	2.6	2.4	2.2
75°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4
73.75°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.7
72.5°	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
71.25°	5.4	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.7	3.4	3.2
70°	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4
68.75°	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.4	4.1	3.9	3.6
67.5°	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.1	3.8
66.25°	6.7	6.4	6.2	6.0	5.7	5.4	5.1	4.9	4.6	4.3	4.0
65°	6.9	6.7	6.5	6.2	6.0	5.7	5.4	5.1	4.8	4.5	4.2
63.75°	7.2	7.0	6.7	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
62.5°	7.4	7.2	7.0	6.7	6.4	6.2	5.9	5.6	5.2	4.9	4.6
61.25°	7.5	7.4	7.2	6.9	6.7	6.4	6.1	5.8	5.4	5.1	4.7
60°	7.7	7.5	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9
58.75°	7.8	7.7	7.5	7.3	7.1	6.8	6.5	6.2	5.9	5.5	5.1
57.5°	8.0	7.8	7.6	7.5	7.3	7.0	6.7	6.4	6.1	5.7	5.3
56.25°	8.3	8.0	7.8	7.6	7.4	7.2	6.9	6.6	6.2	5.9	5.5
55°	8.6	8.2	7.9	7.7	7.5	7.4	7.1	6.7	6.4	6.1	5.6
53.75°	9.0	8.5	8.1	7.9	7.7	7.5	7.2	6.9	6.6	6.2	5.8
52.5°	9.3	8.8	8.4	8.0	7.8	7.6	7.4	7.1	6.7	6.4	6.0
51.25°	9.6	9.2	8.7	8.2	7.9	7.7	7.5	7.2	6.9	6.5	6.1
50°	10.1	9.5	9.0	8.5	8.0	7.8	7.6	7.4	7.0	6.6	6.3
48.75°	10.5	9.8	9.3	8.8	8.3	7.9	7.7	7.4	7.2	6.8	6.4
47.5°	10.9	10.2	9.5	9.0	8.5	8.0	7.8	7.5	7.3	6.9	6.5
46.25°	11.4	10.6	9.9	9.3	8.7	8.2	7.9	7.6	7.4	7.1	6.7
45°	11.8	11.0	10.3	9.5	9.0	8.4	8.0	7.7	7.5	7.2	6.8
43.75°	12.2	11.4	10.6	9.9	9.2	8.7	8.1	7.8	7.6	7.3	6.9
42.5°	12.7	11.8	11.0	10.2	9.5	8.9	8.3	7.9	7.6	7.4	7.0
41.25°	13.1	12.2	11.4	10.5	9.7	9.1	8.5	8.0	7.7	7.5	7.1
40°	13.6	12.6	11.7	10.9	10.0	9.3	8.7	8.1	7.8	7.5	7.2
38.75°	14.0	13.1	12.1	11.2	10.3	9.5	8.9	8.3	7.9	7.6	7.3
37.5°	14.4	13.4	12.5	11.5	10.6	9.8	9.1	8.5	7.9	7.7	7.4
36.25°	14.9	13.8	12.8	11.8	10.9	10.0	9.3	8.6	8.0	7.7	7.5
35°	15.4	14.2	13.2	12.2	11.2	10.3	9.5	8.8	8.2	7.8	7.5



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	15.8	14.6	13.5	12.5	11.5	10.6	9.6	9.0	8.3	7.9	7.6
32.5°	16.3	15.0	13.9	12.8	11.8	10.8	9.9	9.1	8.5	7.9	7.6
31.25°	16.7	15.4	14.2	13.1	12.0	11.1	10.1	9.3	8.6	8.0	7.7
30°	17.1	15.8	14.5	13.4	12.3	11.3	10.3	9.4	8.7	8.1	7.7
28.75°	17.5	16.2	14.9	13.7	12.6	11.5	10.5	9.6	8.9	8.2	7.8
27.5°	17.9	16.6	15.2	14.0	12.9	11.8	10.8	9.7	9.0	8.3	7.8
26.25°	18.3	16.9	15.6	14.3	13.1	12.0	11.0	9.9	9.1	8.4	7.9
25°	18.6	17.3	15.9	14.5	13.4	12.2	11.1	10.1	9.2	8.5	7.9
23.75°	19.0	17.6	16.2	14.8	13.6	12.4	11.3	10.3	9.4	8.6	8.0
22.5°	19.3	17.9	16.5	15.1	13.8	12.6	11.5	10.4	9.5	8.7	8.0
21.25°	19.6	18.2	16.8	15.4	14.0	12.8	11.7	10.6	9.6	8.8	8.1
20°	19.9	18.5	17.1	15.6	14.2	13.0	11.8	10.7	9.7	8.9	8.2
18.75°	20.2	18.8	17.3	15.9	14.4	13.2	12.0	10.9	9.8	9.0	8.2
17.5°	20.5	19.0	17.5	16.1	14.6	13.4	12.1	11.0	9.9	9.1	8.3
16.25°	20.7	19.2	17.8	16.3	14.8	13.5	12.3	11.1	10.0	9.1	8.4
15°	20.8	19.4	18.0	16.5	15.0	13.7	12.4	11.2	10.1	9.2	8.4
13.75°	21.0	19.6	18.1	16.7	15.2	13.8	12.5	11.4	10.2	9.3	8.5
12.5°	21.1	19.8	18.3	16.8	15.3	13.9	12.7	11.4	10.3	9.3	8.5
11.25°	21.2	20.0	18.5	17.0	15.5	14.0	12.8	11.5	10.4	9.4	8.6
10°	21.3	20.1	18.6	17.1	15.6	14.1	12.8	11.6	10.5	9.4	8.6
8.75°	21.4	20.3	18.7	17.2	15.7	14.2	12.9	11.7	10.5	9.5	8.7
7.5°	21.4	20.4	18.9	17.3	15.8	14.3	13.0	11.7	10.6	9.5	8.7
6.25°	21.5	20.5	18.9	17.4	15.9	14.4	13.1	11.8	10.6	9.5	8.7
5°	21.6	20.6	19.0	17.5	15.9	14.4	13.1	11.8	10.7	9.6	8.8
3.75°	21.6	20.6	19.1	17.5	16.0	14.4	13.2	11.9	10.7	9.6	8.8
2.5°	21.6	20.7	19.1	17.6	16.0	14.5	13.2	11.9	10.7	9.6	8.8
1.25°	21.6	20.7	19.1	17.6	16.0	14.5	13.2	11.9	10.7	9.6	8.8
0°	21.7	20.7	19.2	17.6	16.1	14.5	13.2	11.9	10.8	9.6	8.8
-1.25°	21.6	20.7	19.1	17.6	16.0	14.5	13.2	11.9	10.7	9.6	8.8
-2.5°	21.6	20.7	19.1	17.6	16.0	14.5	13.2	11.9	10.7	9.6	8.8
-3.75°	21.6	20.6	19.1	17.5	16.0	14.4	13.2	11.9	10.7	9.6	8.8
-5°	21.6	20.6	19.0	17.5	15.9	14.4	13.1	11.8	10.7	9.6	8.8
-6.25°	21.5	20.5	18.9	17.4	15.9	14.4	13.1	11.8	10.6	9.5	8.7
-7.5°	21.4	20.4	18.9	17.3	15.8	14.3	13.0	11.7	10.6	9.5	8.7
-8.75°	21.4	20.3	18.7	17.2	15.7	14.2	12.9	11.7	10.5	9.5	8.7
-10°	21.3	20.1	18.6	17.1	15.6	14.1	12.8	11.6	10.5	9.4	8.6
-11.25°	21.2	20.0	18.5	17.0	15.5	14.0	12.8	11.5	10.4	9.4	8.6
-12.5°	21.1	19.8	18.3	16.8	15.3	13.9	12.7	11.4	10.3	9.3	8.5
-13.75°	21.0	19.6	18.1	16.7	15.2	13.8	12.5	11.4	10.2	9.3	8.5
-15°	20.8	19.4	18.0	16.5	15.0	13.7	12.4	11.2	10.1	9.2	8.4
-16.25°	20.7	19.2	17.8	16.3	14.8	13.5	12.3	11.1	10.0	9.1	8.4
-17.5°	20.5	19.0	17.5	16.1	14.6	13.4	12.1	11.0	9.9	9.1	8.3
-18.75°	20.2	18.8	17.3	15.9	14.4	13.2	12.0	10.9	9.8	9.0	8.2
-20°	19.9	18.5	17.1	15.6	14.2	13.0	11.8	10.7	9.7	8.9	8.2
-21.25°	19.6	18.2	16.8	15.4	14.0	12.8	11.7	10.6	9.6	8.8	8.1



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	19.3	17.9	16.5	15.1	13.8	12.6	11.5	10.4	9.5	8.7	8.0
-23.75°	19.0	17.6	16.2	14.8	13.6	12.4	11.3	10.3	9.4	8.6	8.0
-25°	18.6	17.3	15.9	14.5	13.4	12.2	11.1	10.1	9.2	8.5	7.9
-26.25°	18.3	16.9	15.6	14.3	13.1	12.0	11.0	9.9	9.1	8.4	7.9
-27.5°	17.9	16.6	15.2	14.0	12.9	11.8	10.8	9.7	9.0	8.3	7.8
-28.75°	17.5	16.2	14.9	13.7	12.6	11.5	10.5	9.6	8.9	8.2	7.8
-30°	17.1	15.8	14.5	13.4	12.3	11.3	10.3	9.4	8.7	8.1	7.7
-31.25°	16.7	15.4	14.2	13.1	12.0	11.1	10.1	9.3	8.6	8.0	7.7
-32.5°	16.3	15.0	13.9	12.8	11.8	10.8	9.9	9.1	8.5	7.9	7.6
-33.75°	15.8	14.6	13.5	12.5	11.5	10.6	9.6	9.0	8.3	7.9	7.6
-35°	15.4	14.2	13.2	12.2	11.2	10.3	9.5	8.8	8.2	7.8	7.5
-36.25°	14.9	13.8	12.8	11.8	10.9	10.0	9.3	8.6	8.0	7.7	7.5
-37.5°	14.4	13.4	12.5	11.5	10.6	9.8	9.1	8.5	7.9	7.7	7.4
-38.75°	14.0	13.1	12.1	11.2	10.3	9.5	8.9	8.3	7.9	7.6	7.3
-40°	13.6	12.6	11.7	10.9	10.0	9.3	8.7	8.1	7.8	7.5	7.2
-41.25°	13.1	12.2	11.4	10.5	9.7	9.1	8.5	8.0	7.7	7.5	7.1
-42.5°	12.7	11.8	11.0	10.2	9.5	8.9	8.3	7.9	7.6	7.4	7.0
-43.75°	12.2	11.4	10.6	9.9	9.2	8.7	8.1	7.8	7.6	7.3	6.9
-45°	11.8	11.0	10.3	9.5	9.0	8.4	8.0	7.7	7.5	7.2	6.8
-46.25°	11.4	10.6	9.9	9.3	8.7	8.2	7.9	7.6	7.4	7.1	6.7
-47.5°	10.9	10.2	9.5	9.0	8.5	8.0	7.8	7.5	7.3	6.9	6.5
-48.75°	10.5	9.8	9.3	8.8	8.3	7.9	7.7	7.4	7.2	6.8	6.4
-50°	10.1	9.5	9.0	8.5	8.0	7.8	7.6	7.4	7.0	6.6	6.3
-51.25°	9.6	9.2	8.7	8.2	7.9	7.7	7.5	7.2	6.9	6.5	6.1
-52.5°	9.3	8.8	8.4	8.0	7.8	7.6	7.4	7.1	6.7	6.4	6.0
-53.75°	9.0	8.5	8.1	7.9	7.7	7.5	7.2	6.9	6.6	6.2	5.8
-55°	8.6	8.2	7.9	7.7	7.5	7.4	7.1	6.7	6.4	6.1	5.6
-56.25°	8.3	8.0	7.8	7.6	7.4	7.2	6.9	6.6	6.2	5.9	5.5
-57.5°	8.0	7.8	7.6	7.5	7.3	7.0	6.7	6.4	6.1	5.7	5.3
-58.75°	7.8	7.7	7.5	7.3	7.1	6.8	6.5	6.2	5.9	5.5	5.1
-60°	7.7	7.5	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9
-61.25°	7.5	7.4	7.2	6.9	6.7	6.4	6.1	5.8	5.4	5.1	4.7
-62.5°	7.4	7.2	7.0	6.7	6.4	6.2	5.9	5.6	5.2	4.9	4.6
-63.75°	7.2	7.0	6.7	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4
-65°	6.9	6.7	6.5	6.2	6.0	5.7	5.4	5.1	4.8	4.5	4.2
-66.25°	6.7	6.4	6.2	6.0	5.7	5.4	5.1	4.9	4.6	4.3	4.0
-67.5°	6.4	6.2	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.1	3.8
-68.75°	6.1	5.9	5.6	5.4	5.1	4.9	4.6	4.4	4.1	3.9	3.6
-70°	5.8	5.6	5.3	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4
-71.25°	5.4	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.7	3.4	3.2
-72.5°	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
-73.75°	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.7
-75°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4
-76.25°	4.0	3.9	3.7	3.6	3.4	3.2	3.1	2.8	2.6	2.4	2.2
-77.5°	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.9



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.3	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6
-80°	2.9	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.7	1.5	1.3
-81.25°	2.5	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.2	1.1
-82.5°	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.1	1.1	1.0	0.9
-83.75°	1.5	1.4	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



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**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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°	1.2	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°	1.7	1.5	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
76.25°	1.9	1.7	1.5	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
75°	2.2	1.9	1.7	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3
73.75°	2.4	2.2	1.9	1.6	1.3	1.1	0.9	0.8	0.6	0.5	0.3
72.5°	2.7	2.4	2.1	1.8	1.5	1.2	1.0	0.8	0.7	0.5	0.3
71.25°	2.9	2.6	2.3	2.0	1.7	1.3	1.1	0.9	0.7	0.5	0.4
70°	3.1	2.8	2.5	2.2	1.8	1.5	1.1	0.9	0.8	0.6	0.4
68.75°	3.3	3.1	2.7	2.3	2.0	1.6	1.3	1.0	0.8	0.6	0.4
67.5°	3.5	3.2	2.9	2.5	2.1	1.8	1.4	1.1	0.8	0.6	0.4
66.25°	3.7	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.9	0.7	0.4
65°	3.9	3.6	3.2	2.9	2.5	2.0	1.6	1.2	0.9	0.7	0.5
63.75°	4.0	3.7	3.4	3.1	2.6	2.2	1.7	1.3	1.0	0.7	0.5
62.5°	4.2	3.9	3.5	3.2	2.8	2.3	1.9	1.4	1.0	0.8	0.5
61.25°	4.4	4.0	3.7	3.3	2.9	2.5	2.0	1.5	1.1	0.8	0.5
60°	4.6	4.2	3.8	3.5	3.1	2.6	2.1	1.6	1.1	0.8	0.5
58.75°	4.7	4.3	4.0	3.6	3.2	2.7	2.2	1.7	1.2	0.9	0.6
57.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.3	1.8	1.2	0.9	0.6
56.25°	5.1	4.7	4.2	3.8	3.4	3.0	2.4	1.9	1.3	0.9	0.6
55°	5.2	4.8	4.4	4.0	3.5	3.1	2.5	2.0	1.4	0.9	0.6
53.75°	5.4	4.9	4.5	4.1	3.6	3.2	2.6	2.1	1.5	1.0	0.7
52.5°	5.5	5.1	4.6	4.2	3.7	3.3	2.7	2.1	1.5	1.0	0.7
51.25°	5.7	5.2	4.8	4.3	3.8	3.4	2.8	2.2	1.6	1.0	0.7
50°	5.8	5.4	4.9	4.4	3.9	3.5	3.0	2.3	1.7	1.1	0.7
48.75°	6.0	5.5	5.0	4.5	4.0	3.6	3.0	2.4	1.7	1.1	0.7
47.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	1.8	1.1	0.7
46.25°	6.2	5.8	5.3	4.8	4.2	3.7	3.2	2.6	1.9	1.2	0.8
45°	6.4	5.9	5.4	4.9	4.3	3.8	3.3	2.6	1.9	1.2	0.8
43.75°	6.5	6.0	5.5	5.0	4.4	3.9	3.3	2.7	2.0	1.3	0.8
42.5°	6.6	6.1	5.6	5.1	4.5	4.0	3.4	2.8	2.0	1.3	0.8
41.25°	6.7	6.2	5.7	5.2	4.6	4.0	3.5	2.9	2.1	1.4	0.8
40°	6.8	6.3	5.8	5.3	4.7	4.1	3.5	2.9	2.2	1.4	0.8
38.75°	6.9	6.4	5.9	5.4	4.8	4.2	3.6	3.0	2.2	1.4	0.9
37.5°	7.0	6.5	6.0	5.4	4.9	4.3	3.7	3.1	2.3	1.5	0.9
36.25°	7.1	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.3	1.5	0.9
35°	7.2	6.7	6.2	5.6	5.0	4.4	3.8	3.2	2.4	1.6	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°	7.3	6.8	6.3	5.7	5.1	4.5	3.8	3.2	2.4	1.6	0.9
32.5°	7.3	6.9	6.3	5.8	5.2	4.5	3.9	3.3	2.5	1.6	0.9
31.25°	7.4	6.9	6.4	5.9	5.2	4.6	3.9	3.3	2.5	1.7	0.9
30°	7.4	7.0	6.5	5.9	5.3	4.6	4.0	3.3	2.6	1.7	1.0
28.75°	7.5	7.1	6.6	6.0	5.4	4.7	4.0	3.4	2.6	1.7	1.0
27.5°	7.5	7.1	6.6	6.1	5.4	4.8	4.1	3.4	2.6	1.8	1.0
26.25°	7.6	7.2	6.7	6.1	5.5	4.8	4.1	3.5	2.7	1.8	1.0
25°	7.6	7.3	6.7	6.2	5.5	4.9	4.2	3.5	2.7	1.8	1.0
23.75°	7.6	7.3	6.8	6.2	5.6	4.9	4.2	3.5	2.8	1.8	1.0
22.5°	7.7	7.4	6.8	6.3	5.6	4.9	4.3	3.6	2.8	1.9	1.0
21.25°	7.7	7.4	6.9	6.3	5.7	5.0	4.3	3.6	2.8	1.9	1.0
20°	7.7	7.4	6.9	6.4	5.7	5.0	4.3	3.6	2.9	1.9	1.0
18.75°	7.8	7.4	7.0	6.4	5.8	5.1	4.4	3.7	2.9	1.9	1.0
17.5°	7.8	7.5	7.0	6.4	5.8	5.1	4.4	3.7	2.9	2.0	1.0
16.25°	7.8	7.5	7.1	6.5	5.9	5.1	4.4	3.7	2.9	2.0	1.1
15°	7.9	7.5	7.1	6.5	5.9	5.2	4.4	3.7	3.0	2.0	1.1
13.75°	7.9	7.5	7.1	6.5	5.9	5.2	4.5	3.7	3.0	2.0	1.1
12.5°	7.9	7.6	7.2	6.6	6.0	5.2	4.5	3.8	3.0	2.0	1.1
11.25°	7.9	7.6	7.2	6.6	6.0	5.2	4.5	3.8	3.0	2.0	1.1
10°	7.9	7.6	7.2	6.6	6.0	5.3	4.5	3.8	3.0	2.1	1.1
8.75°	7.9	7.6	7.2	6.6	6.0	5.3	4.5	3.8	3.1	2.1	1.1
7.5°	8.0	7.6	7.2	6.7	6.0	5.3	4.6	3.8	3.1	2.1	1.1
6.25°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
5°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
3.75°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
2.5°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
1.25°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
0°	8.0	7.7	7.3	6.7	6.1	5.4	4.6	3.9	3.1	2.1	1.1
-1.25°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
-2.5°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
-3.75°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
-5°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
-6.25°	8.0	7.6	7.3	6.7	6.1	5.3	4.6	3.8	3.1	2.1	1.1
-7.5°	8.0	7.6	7.2	6.7	6.0	5.3	4.6	3.8	3.1	2.1	1.1
-8.75°	7.9	7.6	7.2	6.6	6.0	5.3	4.5	3.8	3.1	2.1	1.1
-10°	7.9	7.6	7.2	6.6	6.0	5.3	4.5	3.8	3.0	2.1	1.1
-11.25°	7.9	7.6	7.2	6.6	6.0	5.2	4.5	3.8	3.0	2.0	1.1
-12.5°	7.9	7.6	7.2	6.6	6.0	5.2	4.5	3.8	3.0	2.0	1.1
-13.75°	7.9	7.5	7.1	6.5	5.9	5.2	4.5	3.7	3.0	2.0	1.1
-15°	7.9	7.5	7.1	6.5	5.9	5.2	4.4	3.7	3.0	2.0	1.1
-16.25°	7.8	7.5	7.1	6.5	5.9	5.1	4.4	3.7	2.9	2.0	1.1
-17.5°	7.8	7.5	7.0	6.4	5.8	5.1	4.4	3.7	2.9	2.0	1.0
-18.75°	7.8	7.4	7.0	6.4	5.8	5.1	4.4	3.7	2.9	1.9	1.0
-20°	7.7	7.4	6.9	6.4	5.7	5.0	4.3	3.6	2.9	1.9	1.0
-21.25°	7.7	7.4	6.9	6.3	5.7	5.0	4.3	3.6	2.8	1.9	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°	7.7	7.4	6.8	6.3	5.6	4.9	4.3	3.6	2.8	1.9	1.0
-23.75°	7.6	7.3	6.8	6.2	5.6	4.9	4.2	3.5	2.8	1.8	1.0
-25°	7.6	7.3	6.7	6.2	5.5	4.9	4.2	3.5	2.7	1.8	1.0
-26.25°	7.6	7.2	6.7	6.1	5.5	4.8	4.1	3.5	2.7	1.8	1.0
-27.5°	7.5	7.1	6.6	6.1	5.4	4.8	4.1	3.4	2.6	1.8	1.0
-28.75°	7.5	7.1	6.6	6.0	5.4	4.7	4.0	3.4	2.6	1.7	1.0
-30°	7.4	7.0	6.5	5.9	5.3	4.6	4.0	3.3	2.6	1.7	1.0
-31.25°	7.4	6.9	6.4	5.9	5.2	4.6	3.9	3.3	2.5	1.7	0.9
-32.5°	7.3	6.9	6.3	5.8	5.2	4.5	3.9	3.3	2.5	1.6	0.9
-33.75°	7.3	6.8	6.3	5.7	5.1	4.5	3.8	3.2	2.4	1.6	0.9
-35°	7.2	6.7	6.2	5.6	5.0	4.4	3.8	3.2	2.4	1.6	0.9
-36.25°	7.1	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.3	1.5	0.9
-37.5°	7.0	6.5	6.0	5.4	4.9	4.3	3.7	3.1	2.3	1.5	0.9
-38.75°	6.9	6.4	5.9	5.4	4.8	4.2	3.6	3.0	2.2	1.4	0.9
-40°	6.8	6.3	5.8	5.3	4.7	4.1	3.5	2.9	2.2	1.4	0.8
-41.25°	6.7	6.2	5.7	5.2	4.6	4.0	3.5	2.9	2.1	1.4	0.8
-42.5°	6.6	6.1	5.6	5.1	4.5	4.0	3.4	2.8	2.0	1.3	0.8
-43.75°	6.5	6.0	5.5	5.0	4.4	3.9	3.3	2.7	2.0	1.3	0.8
-45°	6.4	5.9	5.4	4.9	4.3	3.8	3.3	2.6	1.9	1.2	0.8
-46.25°	6.2	5.8	5.3	4.8	4.2	3.7	3.2	2.6	1.9	1.2	0.8
-47.5°	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	1.8	1.1	0.7
-48.75°	6.0	5.5	5.0	4.5	4.0	3.6	3.0	2.4	1.7	1.1	0.7
-50°	5.8	5.4	4.9	4.4	3.9	3.5	3.0	2.3	1.7	1.1	0.7
-51.25°	5.7	5.2	4.8	4.3	3.8	3.4	2.8	2.2	1.6	1.0	0.7
-52.5°	5.5	5.1	4.6	4.2	3.7	3.3	2.7	2.1	1.5	1.0	0.7
-53.75°	5.4	4.9	4.5	4.1	3.6	3.2	2.6	2.1	1.5	1.0	0.7
-55°	5.2	4.8	4.4	4.0	3.5	3.1	2.5	2.0	1.4	0.9	0.6
-56.25°	5.1	4.7	4.2	3.8	3.4	3.0	2.4	1.9	1.3	0.9	0.6
-57.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.3	1.8	1.2	0.9	0.6
-58.75°	4.7	4.3	4.0	3.6	3.2	2.7	2.2	1.7	1.2	0.9	0.6
-60°	4.6	4.2	3.8	3.5	3.1	2.6	2.1	1.6	1.1	0.8	0.5
-61.25°	4.4	4.0	3.7	3.3	2.9	2.5	2.0	1.5	1.1	0.8	0.5
-62.5°	4.2	3.9	3.5	3.2	2.8	2.3	1.9	1.4	1.0	0.8	0.5
-63.75°	4.0	3.7	3.4	3.1	2.6	2.2	1.7	1.3	1.0	0.7	0.5
-65°	3.9	3.6	3.2	2.9	2.5	2.0	1.6	1.2	0.9	0.7	0.5
-66.25°	3.7	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.9	0.7	0.4
-67.5°	3.5	3.2	2.9	2.5	2.1	1.8	1.4	1.1	0.8	0.6	0.4
-68.75°	3.3	3.1	2.7	2.3	2.0	1.6	1.3	1.0	0.8	0.6	0.4
-70°	3.1	2.8	2.5	2.2	1.8	1.5	1.1	0.9	0.8	0.6	0.4
-71.25°	2.9	2.6	2.3	2.0	1.7	1.3	1.1	0.9	0.7	0.5	0.4
-72.5°	2.7	2.4	2.1	1.8	1.5	1.2	1.0	0.8	0.7	0.5	0.3
-73.75°	2.4	2.2	1.9	1.6	1.3	1.1	0.9	0.8	0.6	0.5	0.3
-75°	2.2	1.9	1.7	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-76.25°	1.9	1.7	1.5	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-77.5°	1.7	1.5	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°	1.2	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: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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



REPORT NUMBER: P220439 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.1	0.0
-80°	0.1	0.0
-81.25°	0.1	0.0
-82.5°	0.1	0.0
-83.75°	0.1	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)