

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: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

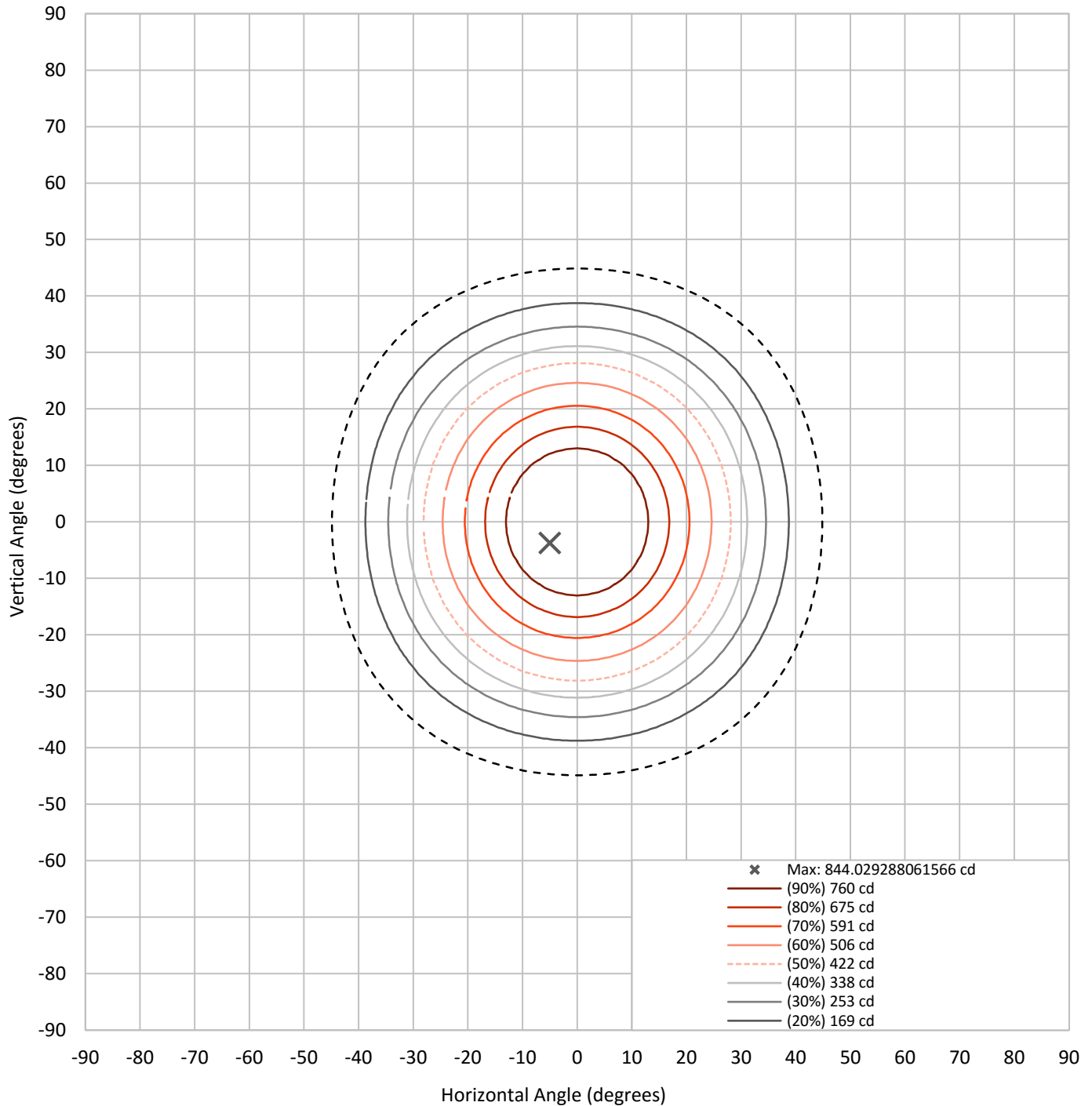
Test Method: LM-79-08  
Report Number: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
WIDE FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	747.4 lumens	Max Intensity:	844 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	74.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.8°H x 55.5°V	Field Angle (10%):	89.6°H x 89.4°V
Beam Lumens:	464.5 lumens	Field Lumens:	698.2 lumens
Beam Efficiency:	62.1%	Field Efficiency:	93.4%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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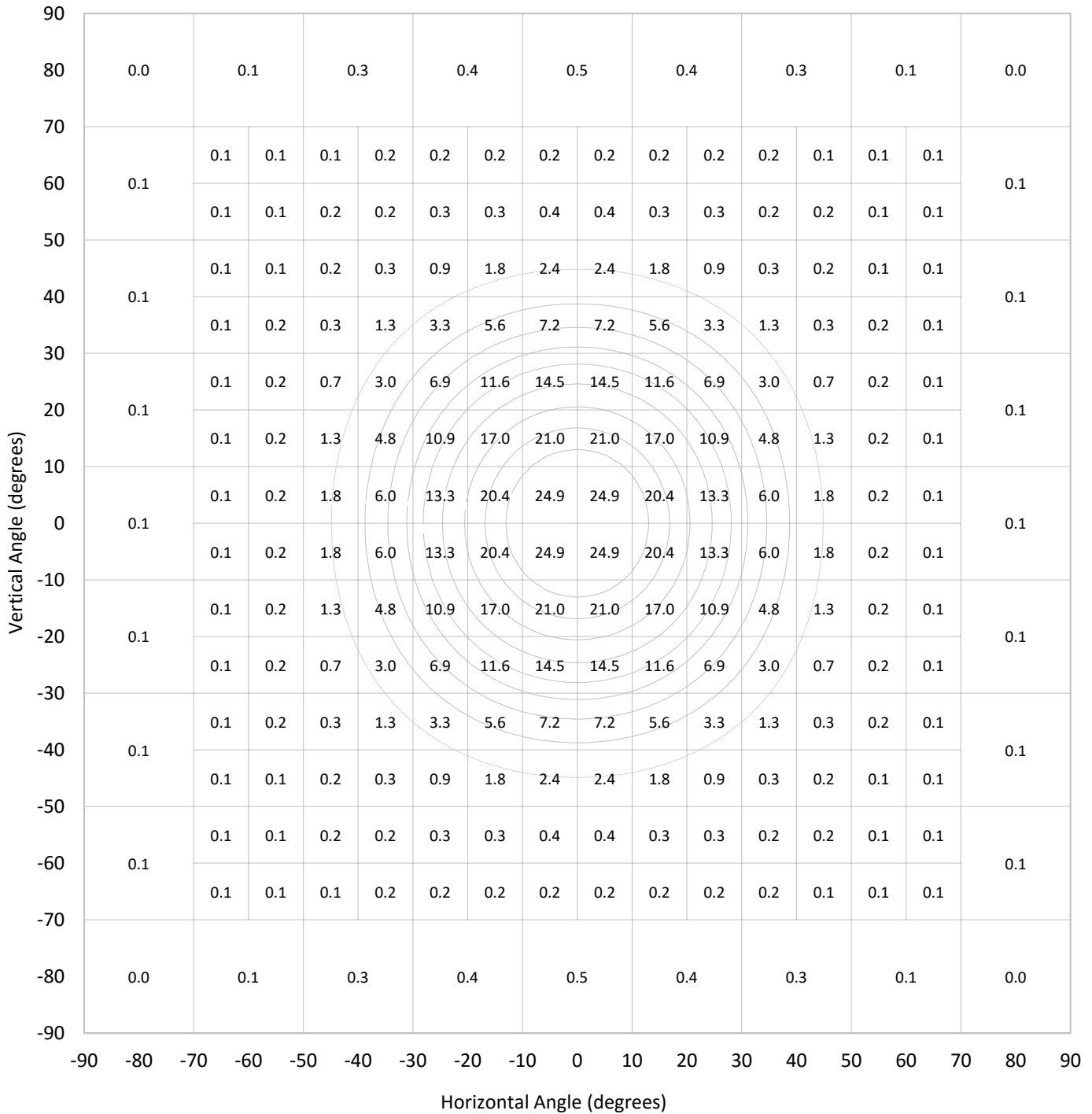
### Iso-Candela Plot





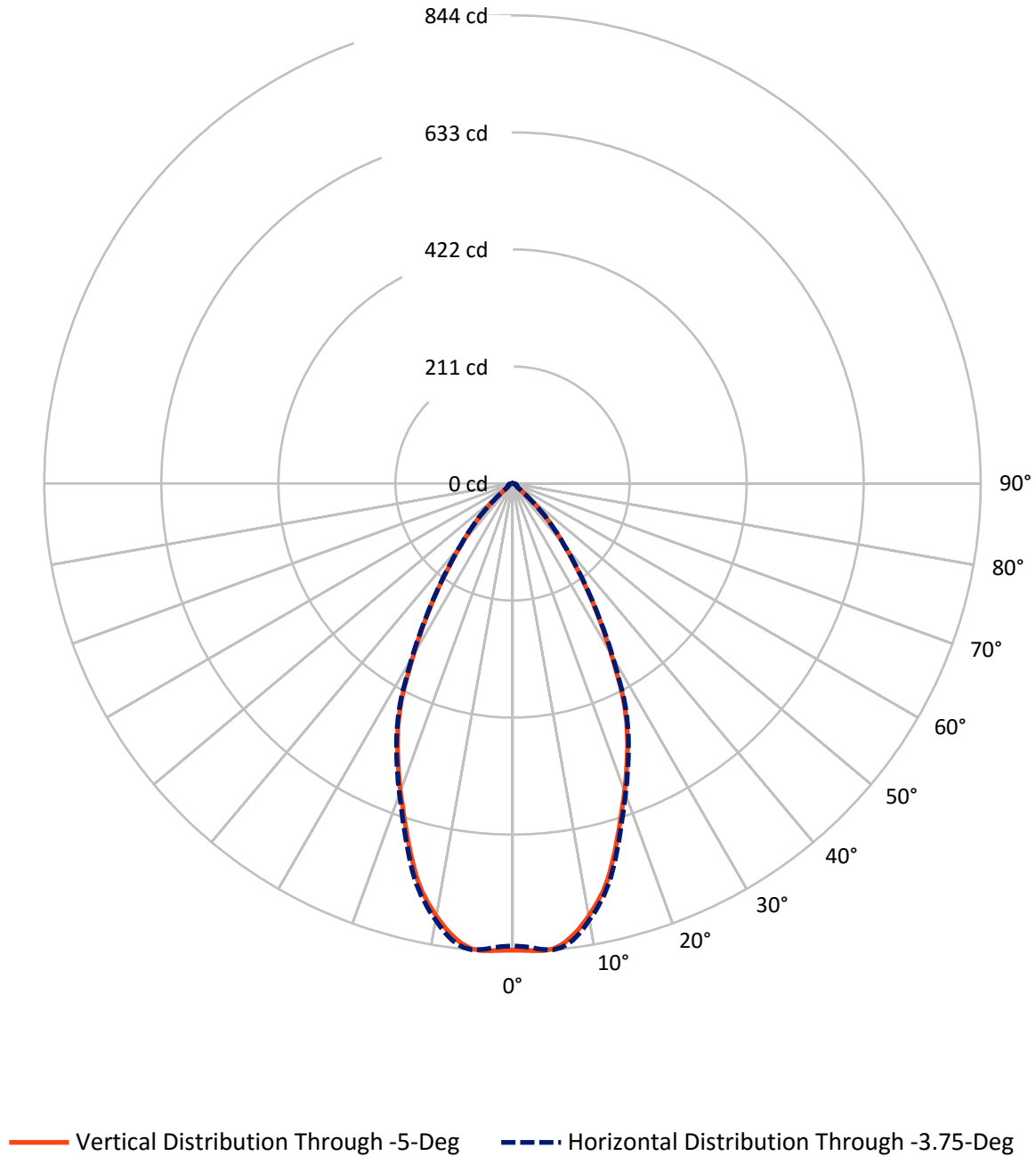
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### Lumen Table



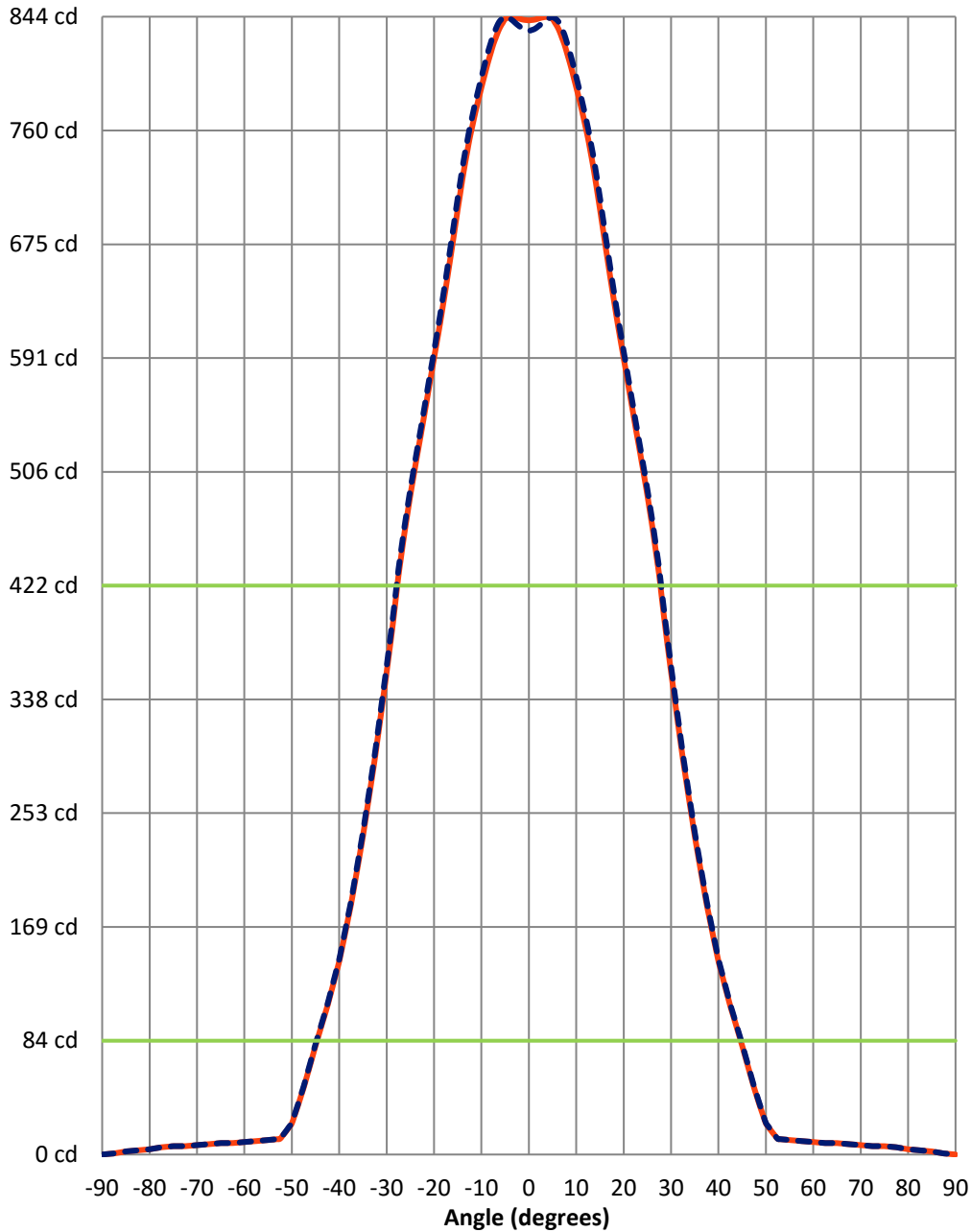
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 55.8°  
 V Angle: 55.5°  
 Lumens: 464.5  
 Efficiency: 62.1%

**Field:**  
 H Angle: 89.6°  
 V Angle: 89.4°  
 Lumens: 698.2  
 Efficiency: 93.4%

**Spill:**  
 Lumens: 49.2  
 Efficiency: 6.6%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.2	1.8	2.4	2.7	3.0	3.4	3.7	4.1
32.5°	0.0	0.3	0.7	1.2	1.8	2.4	2.7	3.1	3.4	3.7	4.2
31.25°	0.0	0.3	0.7	1.2	1.9	2.4	2.8	3.1	3.4	3.8	4.3
30°	0.0	0.3	0.7	1.2	1.9	2.4	2.8	3.1	3.5	3.8	4.4
28.75°	0.0	0.4	0.7	1.3	1.9	2.5	2.8	3.2	3.5	3.9	4.5
27.5°	0.0	0.4	0.7	1.3	2.0	2.5	2.8	3.2	3.5	3.9	4.5
26.25°	0.0	0.4	0.7	1.3	2.0	2.5	2.9	3.2	3.6	3.9	4.6
25°	0.0	0.4	0.7	1.3	2.0	2.5	2.9	3.2	3.6	4.0	4.7
23.75°	0.0	0.4	0.7	1.4	2.0	2.5	2.9	3.3	3.6	4.1	4.8
22.5°	0.0	0.4	0.7	1.4	2.1	2.5	2.9	3.3	3.7	4.1	4.8
21.25°	0.0	0.4	0.7	1.4	2.1	2.6	2.9	3.3	3.7	4.2	4.9
20°	0.0	0.4	0.8	1.4	2.1	2.6	3.0	3.3	3.7	4.2	4.9
18.75°	0.0	0.4	0.8	1.4	2.1	2.6	3.0	3.4	3.7	4.3	5.0
17.5°	0.0	0.4	0.8	1.4	2.2	2.6	3.0	3.4	3.8	4.3	5.0
16.25°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.4	5.1
15°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.4	5.1
13.75°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.5	5.2
12.5°	0.0	0.4	0.8	1.5	2.2	2.7	3.0	3.4	3.8	4.5	5.2
11.25°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.4	3.8	4.5	5.3
10°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.3
8.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
7.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
6.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
3.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
2.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
1.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
0°	0.0	0.4	0.8	1.6	2.3	2.7	3.1	3.5	3.9	4.7	5.4
-1.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-2.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-3.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-6.25°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.4
-7.5°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
-8.75°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.6	5.3
-10°	0.0	0.4	0.8	1.5	2.3	2.7	3.1	3.5	3.9	4.5	5.3
-11.25°	0.0	0.4	0.8	1.5	2.2	2.7	3.1	3.4	3.8	4.5	5.3
-12.5°	0.0	0.4	0.8	1.5	2.2	2.7	3.0	3.4	3.8	4.5	5.2
-13.75°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.5	5.2
-15°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.4	5.1
-16.25°	0.0	0.4	0.8	1.5	2.2	2.6	3.0	3.4	3.8	4.4	5.1
-17.5°	0.0	0.4	0.8	1.4	2.2	2.6	3.0	3.4	3.8	4.3	5.0
-18.75°	0.0	0.4	0.8	1.4	2.1	2.6	3.0	3.4	3.7	4.3	5.0
-20°	0.0	0.4	0.8	1.4	2.1	2.6	3.0	3.3	3.7	4.2	4.9
-21.25°	0.0	0.4	0.7	1.4	2.1	2.6	2.9	3.3	3.7	4.2	4.9





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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	4.7	5.4	5.7	6.0	6.2	6.2	6.2	6.5	6.9	7.2	7.4
32.5°	4.8	5.4	5.8	6.1	6.2	6.2	6.3	6.6	7.0	7.2	7.5
31.25°	4.9	5.5	5.8	6.2	6.2	6.2	6.4	6.7	7.0	7.3	7.6
30°	5.0	5.5	5.9	6.2	6.2	6.2	6.5	6.8	7.1	7.4	7.7
28.75°	5.1	5.6	5.9	6.2	6.2	6.2	6.5	6.9	7.2	7.5	7.8
27.5°	5.2	5.6	6.0	6.2	6.2	6.3	6.6	6.9	7.3	7.6	7.9
26.25°	5.3	5.7	6.1	6.2	6.2	6.3	6.7	7.0	7.3	7.6	8.0
25°	5.4	5.7	6.1	6.2	6.2	6.4	6.7	7.1	7.4	7.7	8.1
23.75°	5.4	5.8	6.1	6.2	6.2	6.4	6.8	7.1	7.5	7.8	8.1
22.5°	5.5	5.8	6.2	6.2	6.2	6.5	6.9	7.2	7.5	7.9	8.2
21.25°	5.5	5.9	6.2	6.2	6.2	6.5	6.9	7.3	7.6	7.9	8.3
20°	5.5	5.9	6.2	6.2	6.2	6.6	7.0	7.3	7.6	8.0	8.4
18.75°	5.6	5.9	6.2	6.2	6.3	6.6	7.0	7.3	7.7	8.0	8.4
17.5°	5.6	6.0	6.2	6.2	6.3	6.7	7.1	7.4	7.7	8.1	8.5
16.25°	5.6	6.0	6.2	6.2	6.4	6.7	7.1	7.4	7.8	8.2	8.5
15°	5.6	6.0	6.2	6.2	6.4	6.8	7.1	7.5	7.8	8.2	8.5
13.75°	5.7	6.1	6.2	6.2	6.4	6.8	7.2	7.5	7.9	8.3	8.5
12.5°	5.7	6.1	6.2	6.2	6.5	6.8	7.2	7.5	7.9	8.3	8.5
11.25°	5.7	6.1	6.2	6.2	6.5	6.9	7.2	7.6	7.9	8.3	8.5
10°	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
8.75°	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
7.5°	5.8	6.2	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
6.25°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.4	8.5
5°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
3.75°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
2.5°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
1.25°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
0°	5.8	6.2	6.2	6.2	6.6	7.0	7.4	7.7	8.1	8.5	8.5
-1.25°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
-2.5°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
-3.75°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
-5°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.5	8.5
-6.25°	5.8	6.2	6.2	6.2	6.6	7.0	7.3	7.7	8.1	8.4	8.5
-7.5°	5.8	6.2	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
-8.75°	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
-10°	5.7	6.1	6.2	6.2	6.5	6.9	7.3	7.6	8.0	8.4	8.5
-11.25°	5.7	6.1	6.2	6.2	6.5	6.9	7.2	7.6	7.9	8.3	8.5
-12.5°	5.7	6.1	6.2	6.2	6.5	6.8	7.2	7.5	7.9	8.3	8.5
-13.75°	5.7	6.1	6.2	6.2	6.4	6.8	7.2	7.5	7.9	8.3	8.5
-15°	5.6	6.0	6.2	6.2	6.4	6.8	7.1	7.5	7.8	8.2	8.5
-16.25°	5.6	6.0	6.2	6.2	6.4	6.7	7.1	7.4	7.8	8.2	8.5
-17.5°	5.6	6.0	6.2	6.2	6.3	6.7	7.1	7.4	7.7	8.1	8.5
-18.75°	5.6	5.9	6.2	6.2	6.3	6.6	7.0	7.3	7.7	8.0	8.4
-20°	5.5	5.9	6.2	6.2	6.2	6.6	7.0	7.3	7.6	8.0	8.4
-21.25°	5.5	5.9	6.2	6.2	6.2	6.5	6.9	7.3	7.6	7.9	8.3



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	5.5	5.8	6.2	6.2	6.2	6.5	6.9	7.2	7.5	7.9	8.2
-23.75°	5.4	5.8	6.1	6.2	6.2	6.4	6.8	7.1	7.5	7.8	8.1
-25°	5.4	5.7	6.1	6.2	6.2	6.4	6.7	7.1	7.4	7.7	8.1
-26.25°	5.3	5.7	6.1	6.2	6.2	6.3	6.7	7.0	7.3	7.6	8.0
-27.5°	5.2	5.6	6.0	6.2	6.2	6.3	6.6	6.9	7.3	7.6	7.9
-28.75°	5.1	5.6	5.9	6.2	6.2	6.2	6.5	6.9	7.2	7.5	7.8
-30°	5.0	5.5	5.9	6.2	6.2	6.2	6.5	6.8	7.1	7.4	7.7
-31.25°	4.9	5.5	5.8	6.2	6.2	6.2	6.4	6.7	7.0	7.3	7.6
-32.5°	4.8	5.4	5.8	6.1	6.2	6.2	6.3	6.6	7.0	7.2	7.5
-33.75°	4.7	5.4	5.7	6.0	6.2	6.2	6.2	6.5	6.9	7.2	7.4
-35°	4.6	5.2	5.6	6.0	6.2	6.2	6.2	6.4	6.8	7.1	7.3
-36.25°	4.5	5.1	5.6	5.9	6.2	6.2	6.2	6.4	6.7	7.0	7.3
-37.5°	4.4	5.0	5.5	5.8	6.1	6.2	6.2	6.3	6.6	6.9	7.2
-38.75°	4.3	4.9	5.4	5.7	6.0	6.2	6.2	6.2	6.5	6.8	7.0
-40°	4.2	4.8	5.3	5.7	6.0	6.2	6.2	6.2	6.4	6.6	6.9
-41.25°	4.1	4.6	5.2	5.6	5.9	6.2	6.2	6.2	6.2	6.5	6.8
-42.5°	4.0	4.5	5.0	5.5	5.8	6.1	6.2	6.2	6.2	6.4	6.7
-43.75°	3.9	4.4	4.9	5.4	5.7	6.0	6.2	6.2	6.2	6.3	6.6
-45°	3.8	4.2	4.7	5.3	5.6	5.9	6.2	6.2	6.2	6.2	6.4
-46.25°	3.7	4.1	4.6	5.1	5.5	5.8	6.0	6.2	6.2	6.2	6.3
-47.5°	3.7	3.9	4.4	4.9	5.4	5.7	5.9	6.2	6.2	6.2	6.2
-48.75°	3.6	3.8	4.3	4.8	5.2	5.6	5.8	6.1	6.2	6.2	6.2
-50°	3.5	3.8	4.1	4.6	5.1	5.5	5.7	6.0	6.2	6.2	6.2
-51.25°	3.4	3.7	4.0	4.4	4.9	5.3	5.6	5.8	6.1	6.2	6.2
-52.5°	3.4	3.6	3.8	4.2	4.7	5.1	5.5	5.7	5.9	6.2	6.2
-53.75°	3.3	3.5	3.7	4.0	4.5	4.9	5.3	5.6	5.8	6.0	6.2
-55°	3.2	3.4	3.7	3.9	4.3	4.7	5.1	5.5	5.7	5.9	6.1
-56.25°	3.1	3.3	3.6	3.8	4.1	4.5	4.9	5.3	5.5	5.7	6.0
-57.5°	3.0	3.3	3.5	3.7	3.9	4.3	4.6	5.0	5.4	5.6	5.8
-58.75°	3.0	3.2	3.4	3.6	3.8	4.0	4.4	4.8	5.1	5.5	5.6
-60°	2.9	3.1	3.3	3.5	3.7	3.9	4.2	4.5	4.9	5.2	5.5
-61.25°	2.8	3.0	3.2	3.4	3.5	3.7	3.9	4.3	4.6	4.9	5.3
-62.5°	2.7	2.9	3.1	3.3	3.4	3.6	3.8	4.0	4.3	4.7	5.0
-63.75°	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.8	4.1	4.4	4.7
-65°	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.8	4.1	4.4
-66.25°	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.7	3.8	4.1
-67.5°	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7	3.8
-68.75°	2.3	2.4	2.6	2.7	2.8	3.0	3.1	3.3	3.4	3.5	3.7
-70°	2.1	2.3	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.4	3.5
-71.25°	1.9	2.2	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3
-72.5°	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
-73.75°	1.6	1.8	2.0	2.2	2.4	2.5	2.6	2.7	2.8	2.9	3.0
-75°	1.4	1.6	1.8	2.0	2.2	2.3	2.4	2.5	2.6	2.7	2.8
-76.25°	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.5	2.5	2.6
-77.5°	1.1	1.2	1.4	1.5	1.7	1.8	2.0	2.2	2.3	2.4	2.5



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0.9	1.0	1.2	1.3	1.5	1.6	1.7	1.9	2.0	2.1	2.3
-80°	0.8	0.8	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8	1.9
-81.25°	0.7	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.3
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	7.7	8.0	8.4	8.5	8.5	8.5	8.8	9.1	9.4	9.7	9.9
32.5°	7.8	8.2	8.5	8.5	8.5	8.6	9.0	9.3	9.5	9.8	10.1
31.25°	7.9	8.3	8.5	8.5	8.5	8.8	9.1	9.4	9.7	10.0	10.3
30°	8.0	8.4	8.5	8.5	8.6	8.9	9.2	9.5	9.8	10.1	10.4
28.75°	8.1	8.5	8.5	8.5	8.7	9.0	9.4	9.6	9.9	10.3	10.6
27.5°	8.2	8.5	8.5	8.5	8.8	9.1	9.5	9.8	10.1	10.4	10.7
26.25°	8.3	8.5	8.5	8.6	8.9	9.3	9.6	9.9	10.2	10.5	10.9
25°	8.4	8.5	8.5	8.7	9.0	9.4	9.7	10.0	10.3	10.7	11.0
23.75°	8.5	8.5	8.5	8.8	9.1	9.5	9.8	10.1	10.4	10.8	11.1
22.5°	8.5	8.5	8.5	8.9	9.2	9.5	9.9	10.2	10.6	10.9	11.3
21.25°	8.5	8.5	8.6	9.0	9.3	9.6	9.9	10.3	10.7	11.0	11.4
20°	8.5	8.5	8.7	9.0	9.4	9.7	10.0	10.4	10.8	11.1	11.5
18.75°	8.5	8.5	8.7	9.1	9.5	9.8	10.1	10.5	10.9	11.2	11.6
17.5°	8.5	8.5	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	13.1
16.25°	8.5	8.5	8.9	9.3	9.6	9.9	10.3	10.7	11.0	11.4	14.6
15°	8.5	8.6	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	15.9
13.75°	8.5	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.2	11.6	17.2
12.5°	8.5	8.7	9.1	9.4	9.8	10.1	10.5	10.9	11.3	12.4	18.3
11.25°	8.5	8.7	9.1	9.5	9.8	10.2	10.6	10.9	11.3	13.4	19.4
10°	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.4	14.3	20.3
8.75°	8.5	8.8	9.2	9.5	9.9	10.3	10.7	11.0	11.4	15.1	21.2
7.5°	8.5	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.5	15.8	21.9
6.25°	8.5	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.5	16.4	22.5
5°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.1	11.5	16.9	23.0
3.75°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.3	23.4
2.5°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.5	23.7
1.25°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.7	23.8
0°	8.5	8.9	9.3	9.7	10.0	10.4	10.8	11.2	11.6	17.8	23.9
-1.25°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.7	23.8
-2.5°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.5	23.7
-3.75°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.2	11.6	17.3	23.4
-5°	8.5	8.9	9.3	9.6	10.0	10.4	10.8	11.1	11.5	16.9	23.0
-6.25°	8.5	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.5	16.4	22.5
-7.5°	8.5	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.5	15.8	21.9
-8.75°	8.5	8.8	9.2	9.5	9.9	10.3	10.7	11.0	11.4	15.1	21.2
-10°	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.4	14.3	20.3
-11.25°	8.5	8.7	9.1	9.5	9.8	10.2	10.6	10.9	11.3	13.4	19.4
-12.5°	8.5	8.7	9.1	9.4	9.8	10.1	10.5	10.9	11.3	12.4	18.3
-13.75°	8.5	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.2	11.6	17.2
-15°	8.5	8.6	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	15.9
-16.25°	8.5	8.5	8.9	9.3	9.6	9.9	10.3	10.7	11.0	11.4	14.6
-17.5°	8.5	8.5	8.8	9.2	9.5	9.9	10.2	10.6	11.0	11.3	13.1
-18.75°	8.5	8.5	8.7	9.1	9.5	9.8	10.1	10.5	10.9	11.2	11.6
-20°	8.5	8.5	8.7	9.0	9.4	9.7	10.0	10.4	10.8	11.1	11.5
-21.25°	8.5	8.5	8.6	9.0	9.3	9.6	9.9	10.3	10.7	11.0	11.4





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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	2.4	2.4	2.5	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0
-80°	2.1	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.8
-81.25°	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.4	2.4	2.5
-82.5°	1.4	1.5	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2
-83.75°	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7
-85°	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.2
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
85°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7
83.75°	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3
82.5°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
81.25°	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0
80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.3
78.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6
77.5°	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9
76.25°	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
75°	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.0	5.1
73.75°	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.4	5.5	5.6
72.5°	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9
71.25°	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2
70°	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.2	6.2	6.2
68.75°	5.8	5.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
67.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.4
66.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.4	6.5	6.6	6.7
65°	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.6	6.8	6.9	7.0
63.75°	6.2	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.2	7.3
62.5°	6.3	6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5
61.25°	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8
60°	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.1
58.75°	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0	8.1	8.3	8.4
57.5°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.5
56.25°	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.5	8.5	8.5	8.5
55°	7.6	7.8	8.0	8.2	8.3	8.5	8.5	8.5	8.5	8.5	8.5
53.75°	7.8	8.0	8.2	8.4	8.5	8.5	8.5	8.5	8.5	8.7	8.8
52.5°	8.1	8.3	8.5	8.5	8.5	8.5	8.5	8.6	8.8	8.9	9.1
51.25°	8.3	8.5	8.5	8.5	8.5	8.5	8.7	8.9	9.1	9.2	9.4
50°	8.5	8.5	8.5	8.5	8.6	8.8	8.9	9.1	9.3	9.5	9.6
48.75°	8.5	8.5	8.5	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9
47.5°	8.5	8.5	8.6	8.8	9.0	9.3	9.4	9.6	9.8	10.0	10.2
46.25°	8.5	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.0	10.2	10.4
45°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
43.75°	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0
42.5°	9.0	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.1	11.3
41.25°	9.2	9.4	9.7	9.9	10.1	10.4	10.6	10.9	11.1	11.3	11.5
40°	9.4	9.6	9.9	10.1	10.4	10.6	10.9	11.1	11.3	11.6	14.8
38.75°	9.6	9.8	10.0	10.3	10.6	10.8	11.1	11.3	11.6	15.2	18.8
37.5°	9.7	10.0	10.2	10.5	10.8	11.1	11.3	11.6	15.2	19.0	22.8
36.25°	9.9	10.2	10.4	10.7	11.0	11.3	11.5	14.8	18.8	22.8	30.2
35°	10.1	10.4	10.6	10.9	11.2	11.5	14.1	18.3	22.5	29.8	38.9



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	10.2	10.5	10.8	11.1	11.4	13.1	17.5	21.8	28.6	38.1	47.4
32.5°	10.4	10.7	11.0	11.3	11.8	16.3	20.7	26.6	36.5	46.2	56.3
31.25°	10.6	10.9	11.2	11.5	14.7	19.3	23.9	34.1	44.2	54.4	65.5
30°	10.7	11.1	11.4	12.9	17.6	22.3	30.9	41.3	51.6	63.2	74.5
28.75°	10.9	11.2	11.5	15.6	20.4	26.9	37.7	48.4	59.9	71.7	83.3
27.5°	11.1	11.4	13.2	18.2	23.1	33.3	44.3	55.6	67.9	79.9	91.3
26.25°	11.2	11.5	15.7	20.7	28.2	39.5	50.7	63.1	75.6	87.6	99.0
25°	11.3	12.9	18.0	23.2	33.9	45.4	57.5	70.4	83.1	94.9	106.5
23.75°	11.5	15.0	20.3	27.6	39.4	51.1	64.3	77.3	89.8	101.8	113.8
22.5°	11.7	17.1	22.5	32.7	44.7	57.3	70.7	84.0	96.3	108.5	121.8
21.25°	13.7	19.1	25.3	37.6	49.8	63.2	76.9	90.0	102.5	115.3	129.5
20°	15.5	21.0	29.8	42.2	55.0	68.9	82.8	95.7	108.4	122.4	136.9
18.75°	17.2	22.8	34.0	46.6	60.1	74.3	88.0	101.1	114.2	129.1	143.9
17.5°	18.8	25.2	38.0	50.8	65.0	79.4	92.9	106.2	120.4	135.5	151.6
16.25°	20.3	28.8	41.7	55.0	69.6	84.1	97.6	111.0	126.1	141.5	159.7
15°	21.7	32.1	45.2	59.1	73.9	88.2	101.9	115.9	131.5	147.2	167.3
13.75°	23.0	35.2	48.4	62.9	77.8	92.1	105.9	120.7	136.6	154.0	174.4
12.5°	24.7	38.0	51.4	66.4	81.5	95.6	109.6	125.1	141.2	160.2	180.9
11.25°	27.2	40.6	54.4	69.6	84.7	98.8	112.9	129.2	145.4	165.9	186.8
10°	29.4	43.0	57.1	72.5	87.5	101.7	116.4	132.8	149.9	171.1	192.4
8.75°	31.4	45.0	59.6	75.0	90.0	104.3	119.5	136.1	154.3	175.7	198.1
7.5°	33.1	46.8	61.7	77.2	92.1	106.5	122.2	138.9	158.1	179.6	203.0
6.25°	34.5	48.3	63.5	79.1	93.9	108.4	124.5	141.3	161.4	183.0	207.1
5°	35.7	49.6	65.0	80.6	95.4	110.0	126.4	143.3	164.0	185.8	210.6
3.75°	36.7	50.5	66.1	81.9	96.6	111.2	127.9	144.8	166.1	188.0	213.2
2.5°	37.3	51.2	66.9	82.7	97.4	112.1	129.0	145.9	167.6	189.6	215.2
1.25°	37.7	51.7	67.4	83.2	97.9	112.6	129.6	146.6	168.5	190.5	216.3
0°	37.9	51.8	67.6	83.4	98.1	112.8	129.8	146.8	168.8	190.8	216.7
-1.25°	37.7	51.7	67.4	83.2	97.9	112.6	129.6	146.6	168.5	190.5	216.3
-2.5°	37.3	51.2	66.9	82.7	97.4	112.1	129.0	145.9	167.6	189.6	215.2
-3.75°	36.7	50.5	66.1	81.9	96.6	111.2	127.9	144.8	166.1	188.0	213.2
-5°	35.7	49.6	65.0	80.6	95.4	110.0	126.4	143.3	164.0	185.8	210.6
-6.25°	34.5	48.3	63.5	79.1	93.9	108.4	124.5	141.3	161.4	183.0	207.1
-7.5°	33.1	46.8	61.7	77.2	92.1	106.5	122.2	138.9	158.1	179.6	203.0
-8.75°	31.4	45.0	59.6	75.0	90.0	104.3	119.5	136.1	154.3	175.7	198.1
-10°	29.4	43.0	57.1	72.5	87.5	101.7	116.4	132.8	149.9	171.1	192.4
-11.25°	27.2	40.6	54.4	69.6	84.7	98.8	112.9	129.2	145.4	165.9	186.8
-12.5°	24.7	38.0	51.4	66.4	81.5	95.6	109.6	125.1	141.2	160.2	180.9
-13.75°	23.0	35.2	48.4	62.9	77.8	92.1	105.9	120.7	136.6	154.0	174.4
-15°	21.7	32.1	45.2	59.1	73.9	88.2	101.9	115.9	131.5	147.2	167.3
-16.25°	20.3	28.8	41.7	55.0	69.6	84.1	97.6	111.0	126.1	141.5	159.7
-17.5°	18.8	25.2	38.0	50.8	65.0	79.4	92.9	106.2	120.4	135.5	151.6
-18.75°	17.2	22.8	34.0	46.6	60.1	74.3	88.0	101.1	114.2	129.1	143.9
-20°	15.5	21.0	29.8	42.2	55.0	68.9	82.8	95.7	108.4	122.4	136.9
-21.25°	13.7	19.1	25.3	37.6	49.8	63.2	76.9	90.0	102.5	115.3	129.5



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	11.7	17.1	22.5	32.7	44.7	57.3	70.7	84.0	96.3	108.5	121.8
-23.75°	11.5	15.0	20.3	27.6	39.4	51.1	64.3	77.3	89.8	101.8	113.8
-25°	11.3	12.9	18.0	23.2	33.9	45.4	57.5	70.4	83.1	94.9	106.5
-26.25°	11.2	11.5	15.7	20.7	28.2	39.5	50.7	63.1	75.6	87.6	99.0
-27.5°	11.1	11.4	13.2	18.2	23.1	33.3	44.3	55.6	67.9	79.9	91.3
-28.75°	10.9	11.2	11.5	15.6	20.4	26.9	37.7	48.4	59.9	71.7	83.3
-30°	10.7	11.1	11.4	12.9	17.6	22.3	30.9	41.3	51.6	63.2	74.5
-31.25°	10.6	10.9	11.2	11.5	14.7	19.3	23.9	34.1	44.2	54.4	65.5
-32.5°	10.4	10.7	11.0	11.3	11.8	16.3	20.7	26.6	36.5	46.2	56.3
-33.75°	10.2	10.5	10.8	11.1	11.4	13.1	17.5	21.8	28.6	38.1	47.4
-35°	10.1	10.4	10.6	10.9	11.2	11.5	14.1	18.3	22.5	29.8	38.9
-36.25°	9.9	10.2	10.4	10.7	11.0	11.3	11.5	14.8	18.8	22.8	30.2
-37.5°	9.7	10.0	10.2	10.5	10.8	11.1	11.3	11.6	15.2	19.0	22.8
-38.75°	9.6	9.8	10.0	10.3	10.6	10.8	11.1	11.3	11.6	15.2	18.8
-40°	9.4	9.6	9.9	10.1	10.4	10.6	10.9	11.1	11.3	11.6	14.8
-41.25°	9.2	9.4	9.7	9.9	10.1	10.4	10.6	10.9	11.1	11.3	11.5
-42.5°	9.0	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.1	11.3
-43.75°	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0
-45°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
-46.25°	8.5	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.0	10.2	10.4
-47.5°	8.5	8.5	8.6	8.8	9.0	9.3	9.4	9.6	9.8	10.0	10.2
-48.75°	8.5	8.5	8.5	8.6	8.8	9.0	9.2	9.4	9.6	9.7	9.9
-50°	8.5	8.5	8.5	8.5	8.6	8.8	8.9	9.1	9.3	9.5	9.6
-51.25°	8.3	8.5	8.5	8.5	8.5	8.5	8.7	8.9	9.1	9.2	9.4
-52.5°	8.1	8.3	8.5	8.5	8.5	8.5	8.5	8.6	8.8	8.9	9.1
-53.75°	7.8	8.0	8.2	8.4	8.5	8.5	8.5	8.5	8.5	8.7	8.8
-55°	7.6	7.8	8.0	8.2	8.3	8.5	8.5	8.5	8.5	8.5	8.5
-56.25°	7.4	7.6	7.7	7.9	8.1	8.2	8.4	8.5	8.5	8.5	8.5
-57.5°	7.2	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.5
-58.75°	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0	8.1	8.3	8.4
-60°	6.8	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.1
-61.25°	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.7	7.8
-62.5°	6.3	6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5
-63.75°	6.2	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.2	7.3
-65°	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.6	6.8	6.9	7.0
-66.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.4	6.5	6.6	6.7
-67.5°	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.4
-68.75°	5.8	5.9	6.0	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-70°	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.2	6.2	6.2
-71.25°	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2
-72.5°	4.8	4.9	5.1	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9
-73.75°	4.3	4.4	4.6	4.7	4.9	5.0	5.2	5.3	5.4	5.5	5.6
-75°	3.8	3.9	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.0	5.1
-76.25°	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
-77.5°	3.3	3.4	3.5	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6
-80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.3
-81.25°	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9	2.9	3.0
-82.5°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6
-83.75°	1.8	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3
-85°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7	1.7
-86.25°	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4
85°	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1
83.75°	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
82.5°	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9
81.25°	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3
80°	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7
78.75°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.1	4.1
77.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8
76.25°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
75°	5.2	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8
73.75°	5.6	5.7	5.8	5.8	5.9	5.9	6.0	6.1	6.1	6.1	6.2
72.5°	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.5
68.75°	6.2	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9
67.5°	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2
66.25°	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.5
65°	7.1	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.9
63.75°	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2
62.5°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5
61.25°	7.9	8.0	8.2	8.3	8.4	8.5	8.5	8.5	8.5	8.5	8.5
60°	8.2	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
58.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.7	8.8	8.9
57.5°	8.5	8.5	8.5	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
56.25°	8.5	8.5	8.6	8.8	8.9	9.0	9.1	9.3	9.4	9.5	9.5
55°	8.7	8.8	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9
53.75°	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	10.0	10.1	10.2
52.5°	9.3	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.6
51.25°	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9
50°	9.8	9.9	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.1	11.3
48.75°	10.1	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.3	11.5	11.7
47.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	12.9	15.0	17.1
46.25°	10.6	10.8	11.0	11.2	11.4	11.5	13.2	15.7	18.0	20.3	22.5
45°	10.9	11.1	11.3	11.5	12.9	15.6	18.2	20.7	23.2	27.6	32.7
43.75°	11.2	11.4	11.8	14.7	17.6	20.4	23.1	28.2	33.9	39.4	44.7
42.5°	11.5	13.1	16.3	19.3	22.3	26.9	33.3	39.5	45.4	51.1	57.3
41.25°	14.1	17.5	20.7	23.9	30.9	37.7	44.3	50.7	57.5	64.3	70.7
40°	18.3	21.8	26.6	34.1	41.3	48.4	55.6	63.1	70.4	77.3	84.0
38.75°	22.5	28.6	36.5	44.2	51.6	59.9	67.9	75.6	83.1	89.8	96.3
37.5°	29.8	38.1	46.2	54.4	63.2	71.7	79.9	87.6	94.9	101.8	108.5
36.25°	38.9	47.4	56.3	65.5	74.5	83.3	91.3	99.0	106.5	113.8	121.8
35°	47.8	57.2	67.0	76.5	85.6	94.0	102.2	110.2	118.7	127.4	135.7



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	57.2	67.4	77.4	87.0	95.9	104.6	113.1	122.6	131.8	140.8	150.2
32.5°	67.0	77.4	87.4	96.8	106.0	115.3	125.4	135.2	144.8	156.1	167.7
31.25°	76.5	87.0	96.8	106.4	116.4	127.1	137.5	147.9	160.7	173.0	185.0
30°	85.6	95.9	106.0	116.4	127.6	138.6	150.1	163.7	176.9	189.7	204.1
28.75°	94.0	104.6	115.3	127.1	138.6	150.9	165.2	179.2	193.2	208.8	223.8
27.5°	102.2	113.1	125.4	137.5	150.1	165.2	180.0	195.1	211.6	227.7	243.4
26.25°	110.2	122.6	135.2	147.9	163.7	179.2	195.1	212.6	229.6	246.8	265.0
25°	118.7	131.8	144.8	160.7	176.9	193.2	211.6	229.6	247.9	267.3	286.2
23.75°	127.4	140.8	156.1	173.0	189.7	208.8	227.7	246.8	267.3	287.4	307.7
22.5°	135.7	150.2	167.7	185.0	204.1	223.8	243.4	265.0	286.2	307.7	330.5
21.25°	143.7	160.9	178.8	197.5	218.1	238.4	260.5	282.7	305.0	329.1	352.7
20°	152.6	171.1	189.4	210.5	231.6	253.7	276.9	299.8	325.0	349.9	374.6
18.75°	162.1	180.9	201.2	222.9	244.7	268.9	292.7	318.1	344.2	370.0	396.5
17.5°	171.0	190.2	212.5	234.8	258.7	283.4	308.6	335.8	362.6	390.1	420.2
16.25°	179.4	200.4	223.3	246.4	271.8	297.1	324.8	352.7	380.8	411.1	440.2
15°	187.3	210.1	233.3	258.3	284.3	311.2	340.0	368.6	398.6	431.0	457.7
13.75°	195.3	219.1	242.8	269.4	295.8	324.8	354.3	384.3	417.2	447.1	473.2
12.5°	203.3	227.4	252.6	279.7	307.3	337.5	367.6	399.3	433.2	461.4	486.6
11.25°	210.6	235.1	261.6	289.1	318.4	349.2	380.4	414.5	446.5	474.2	498.6
10°	217.2	241.9	269.8	297.6	328.5	359.8	392.0	428.2	458.2	484.9	509.2
8.75°	223.1	248.8	277.1	305.8	337.5	369.3	403.4	438.5	468.0	494.3	518.7
7.5°	228.2	254.9	283.4	313.3	345.4	378.0	413.7	447.5	476.7	502.4	526.8
6.25°	232.6	260.1	288.8	319.7	352.2	385.4	422.5	455.1	483.5	509.2	533.8
5°	236.2	264.3	293.3	325.0	357.7	391.6	429.4	461.0	489.1	514.9	539.6
3.75°	239.0	267.6	296.8	329.1	362.1	396.5	434.2	465.6	493.4	519.3	544.3
2.5°	241.0	270.0	299.3	332.1	365.2	400.4	437.6	468.9	496.6	522.4	547.7
1.25°	242.2	271.5	300.8	333.9	367.1	402.7	439.7	470.8	498.5	524.3	549.8
0°	242.6	272.0	301.3	334.5	367.7	403.5	440.4	471.5	499.1	524.9	550.5
-1.25°	242.2	271.5	300.8	333.9	367.1	402.7	439.7	470.8	498.5	524.3	549.8
-2.5°	241.0	270.0	299.3	332.1	365.2	400.4	437.6	468.9	496.6	522.4	547.7
-3.75°	239.0	267.6	296.8	329.1	362.1	396.5	434.2	465.6	493.4	519.3	544.3
-5°	236.2	264.3	293.3	325.0	357.7	391.6	429.4	461.0	489.1	514.9	539.6
-6.25°	232.6	260.1	288.8	319.7	352.2	385.4	422.5	455.1	483.5	509.2	533.8
-7.5°	228.2	254.9	283.4	313.3	345.4	378.0	413.7	447.5	476.7	502.4	526.8
-8.75°	223.1	248.8	277.1	305.8	337.5	369.3	403.4	438.5	468.0	494.3	518.7
-10°	217.2	241.9	269.8	297.6	328.5	359.8	392.0	428.2	458.2	484.9	509.2
-11.25°	210.6	235.1	261.6	289.1	318.4	349.2	380.4	414.5	446.5	474.2	498.6
-12.5°	203.3	227.4	252.6	279.7	307.3	337.5	367.6	399.3	433.2	461.4	486.6
-13.75°	195.3	219.1	242.8	269.4	295.8	324.8	354.3	384.3	417.2	447.1	473.2
-15°	187.3	210.1	233.3	258.3	284.3	311.2	340.0	368.6	398.6	431.0	457.7
-16.25°	179.4	200.4	223.3	246.4	271.8	297.1	324.8	352.7	380.8	411.1	440.2
-17.5°	171.0	190.2	212.5	234.8	258.7	283.4	308.6	335.8	362.6	390.1	420.2
-18.75°	162.1	180.9	201.2	222.9	244.7	268.9	292.7	318.1	344.2	370.0	396.5
-20°	152.6	171.1	189.4	210.5	231.6	253.7	276.9	299.8	325.0	349.9	374.6
-21.25°	143.7	160.9	178.8	197.5	218.1	238.4	260.5	282.7	305.0	329.1	352.7





REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	135.7	150.2	167.7	185.0	204.1	223.8	243.4	265.0	286.2	307.7	330.5
-23.75°	127.4	140.8	156.1	173.0	189.7	208.8	227.7	246.8	267.3	287.4	307.7
-25°	118.7	131.8	144.8	160.7	176.9	193.2	211.6	229.6	247.9	267.3	286.2
-26.25°	110.2	122.6	135.2	147.9	163.7	179.2	195.1	212.6	229.6	246.8	265.0
-27.5°	102.2	113.1	125.4	137.5	150.1	165.2	180.0	195.1	211.6	227.7	243.4
-28.75°	94.0	104.6	115.3	127.1	138.6	150.9	165.2	179.2	193.2	208.8	223.8
-30°	85.6	95.9	106.0	116.4	127.6	138.6	150.1	163.7	176.9	189.7	204.1
-31.25°	76.5	87.0	96.8	106.4	116.4	127.1	137.5	147.9	160.7	173.0	185.0
-32.5°	67.0	77.4	87.4	96.8	106.0	115.3	125.4	135.2	144.8	156.1	167.7
-33.75°	57.2	67.4	77.4	87.0	95.9	104.6	113.1	122.6	131.8	140.8	150.2
-35°	47.8	57.2	67.0	76.5	85.6	94.0	102.2	110.2	118.7	127.4	135.7
-36.25°	38.9	47.4	56.3	65.5	74.5	83.3	91.3	99.0	106.5	113.8	121.8
-37.5°	29.8	38.1	46.2	54.4	63.2	71.7	79.9	87.6	94.9	101.8	108.5
-38.75°	22.5	28.6	36.5	44.2	51.6	59.9	67.9	75.6	83.1	89.8	96.3
-40°	18.3	21.8	26.6	34.1	41.3	48.4	55.6	63.1	70.4	77.3	84.0
-41.25°	14.1	17.5	20.7	23.9	30.9	37.7	44.3	50.7	57.5	64.3	70.7
-42.5°	11.5	13.1	16.3	19.3	22.3	26.9	33.3	39.5	45.4	51.1	57.3
-43.75°	11.2	11.4	11.8	14.7	17.6	20.4	23.1	28.2	33.9	39.4	44.7
-45°	10.9	11.1	11.3	11.5	12.9	15.6	18.2	20.7	23.2	27.6	32.7
-46.25°	10.6	10.8	11.0	11.2	11.4	11.5	13.2	15.7	18.0	20.3	22.5
-47.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	12.9	15.0	17.1
-48.75°	10.1	10.2	10.4	10.6	10.7	10.9	11.1	11.2	11.3	11.5	11.7
-50°	9.8	9.9	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.1	11.3
-51.25°	9.5	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9
-52.5°	9.3	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.6
-53.75°	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9	10.0	10.1	10.2
-55°	8.7	8.8	9.0	9.1	9.2	9.4	9.5	9.6	9.7	9.8	9.9
-56.25°	8.5	8.5	8.6	8.8	8.9	9.0	9.1	9.3	9.4	9.5	9.5
-57.5°	8.5	8.5	8.5	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
-58.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.7	8.8	8.9
-60°	8.2	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-61.25°	7.9	8.0	8.2	8.3	8.4	8.5	8.5	8.5	8.5	8.5	8.5
-62.5°	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.5
-63.75°	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2
-65°	7.1	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.9
-66.25°	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.5
-67.5°	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.1	7.1	7.2
-68.75°	6.2	6.2	6.3	6.4	6.5	6.5	6.6	6.7	6.7	6.8	6.9
-70°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.4	6.4	6.5
-71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-72.5°	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-73.75°	5.6	5.7	5.8	5.8	5.9	5.9	6.0	6.1	6.1	6.1	6.2
-75°	5.2	5.4	5.4	5.5	5.5	5.6	5.6	5.7	5.7	5.8	5.8
-76.25°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.4	5.5
-77.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.1	4.1
-80°	3.3	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7
-81.25°	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3
-82.5°	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9
-83.75°	2.3	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
-85°	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1
-86.25°	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3
83.75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7
82.5°	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1
81.25°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5
80°	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
78.75°	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.6
77.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3
76.25°	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7
75°	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1
73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
71.25°	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.5
70°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
68.75°	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.3
67.5°	7.3	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6
66.25°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
65°	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4
63.75°	8.3	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
61.25°	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.8
60°	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.1	9.2
58.75°	9.0	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.5
57.5°	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.8	9.9
56.25°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
55°	9.9	10.0	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7
53.75°	10.3	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0
52.5°	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.3	11.3	11.4	11.4
51.25°	11.0	11.1	11.2	11.3	11.4	11.5	11.6	12.4	13.4	14.3	15.1
50°	11.4	11.5	11.6	13.1	14.6	15.9	17.2	18.3	19.4	20.3	21.2
48.75°	13.7	15.5	17.2	18.8	20.3	21.7	23.0	24.7	27.2	29.4	31.4
47.5°	19.1	21.0	22.8	25.2	28.8	32.1	35.2	38.0	40.6	43.0	45.0
46.25°	25.3	29.8	34.0	38.0	41.7	45.2	48.4	51.4	54.4	57.1	59.6
45°	37.6	42.2	46.6	50.8	55.0	59.1	62.9	66.4	69.6	72.5	75.0
43.75°	49.8	55.0	60.1	65.0	69.6	73.9	77.8	81.5	84.7	87.5	90.0
42.5°	63.2	68.9	74.3	79.4	84.1	88.2	92.1	95.6	98.8	101.7	104.3
41.25°	76.9	82.8	88.0	92.9	97.6	101.9	105.9	109.6	112.9	116.4	119.5
40°	90.0	95.7	101.1	106.2	111.0	115.9	120.7	125.1	129.2	132.8	136.1
38.75°	102.5	108.4	114.2	120.4	126.1	131.5	136.6	141.2	145.4	149.9	154.3
37.5°	115.3	122.4	129.1	135.5	141.5	147.2	154.0	160.2	165.9	171.1	175.7
36.25°	129.5	136.9	143.9	151.6	159.7	167.3	174.4	180.9	186.8	192.4	198.1
35°	143.7	152.6	162.1	171.0	179.4	187.3	195.3	203.3	210.6	217.2	223.1



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	160.9	171.1	180.9	190.2	200.4	210.1	219.1	227.4	235.1	241.9	248.8
32.5°	178.8	189.4	201.2	212.5	223.3	233.3	242.8	252.6	261.6	269.8	277.1
31.25°	197.5	210.5	222.9	234.8	246.4	258.3	269.4	279.7	289.1	297.6	305.8
30°	218.1	231.6	244.7	258.7	271.8	284.3	295.8	307.3	318.4	328.5	337.5
28.75°	238.4	253.7	268.9	283.4	297.1	311.2	324.8	337.5	349.2	359.8	369.3
27.5°	260.5	276.9	292.7	308.6	324.8	340.0	354.3	367.6	380.4	392.0	403.4
26.25°	282.7	299.8	318.1	335.8	352.7	368.6	384.3	399.3	414.5	428.2	438.5
25°	305.0	325.0	344.2	362.6	380.8	398.6	417.2	433.2	446.5	458.2	468.0
23.75°	329.1	349.9	370.0	390.1	411.1	431.0	447.1	461.4	474.2	484.9	494.3
22.5°	352.7	374.6	396.5	420.2	440.2	457.7	473.2	486.6	498.6	509.2	518.7
21.25°	376.1	400.0	425.7	446.4	465.0	481.6	496.2	509.4	521.5	532.2	542.0
20°	400.0	427.4	449.6	469.4	487.1	503.0	517.6	531.0	543.5	555.3	566.1
18.75°	425.7	449.6	470.9	489.8	507.0	523.1	537.9	552.3	566.1	578.9	590.0
17.5°	446.4	469.4	489.8	508.4	525.8	542.2	558.4	574.0	588.4	601.0	613.3
16.25°	465.0	487.1	507.0	525.8	543.7	561.4	578.9	594.6	609.6	624.0	638.1
15°	481.6	503.0	523.1	542.2	561.4	580.5	597.8	614.8	631.8	648.3	663.8
13.75°	496.2	517.6	537.9	558.4	578.9	597.8	616.6	635.8	654.7	672.8	689.9
12.5°	509.4	531.0	552.3	574.0	594.6	614.8	635.8	656.8	677.4	697.1	715.4
11.25°	521.5	543.5	566.1	588.4	609.6	631.8	654.7	677.4	699.6	720.6	738.3
10°	532.2	555.3	578.9	601.0	624.0	648.3	672.8	697.1	720.6	740.8	757.0
8.75°	542.0	566.1	590.0	613.3	638.1	663.8	689.9	715.4	738.3	757.0	772.8
7.5°	550.9	575.9	599.7	624.4	650.9	678.0	705.3	731.0	752.6	770.7	786.4
6.25°	558.6	584.2	608.5	634.6	662.3	690.6	718.9	744.1	764.4	782.3	798.2
5°	565.1	590.7	615.9	643.3	671.8	701.2	729.4	753.5	773.7	791.6	808.6
3.75°	570.3	595.9	621.9	650.2	679.7	709.7	737.8	761.0	781.1	799.3	816.5
2.5°	574.1	599.6	626.3	655.3	685.3	715.8	743.7	766.2	786.2	805.0	822.2
1.25°	576.3	601.8	629.1	658.4	688.8	719.5	746.8	769.3	789.3	808.5	825.5
0°	577.1	602.6	630.0	659.4	689.9	720.8	747.9	770.3	790.4	809.7	826.5
-1.25°	576.3	601.8	629.1	658.4	688.8	719.5	746.8	769.3	789.3	808.5	825.5
-2.5°	574.1	599.6	626.3	655.3	685.3	715.8	743.7	766.2	786.2	805.0	822.2
-3.75°	570.3	595.9	621.9	650.2	679.7	709.7	737.8	761.0	781.1	799.3	816.5
-5°	565.1	590.7	615.9	643.3	671.8	701.2	729.4	753.5	773.7	791.6	808.6
-6.25°	558.6	584.2	608.5	634.6	662.3	690.6	718.9	744.1	764.4	782.3	798.2
-7.5°	550.9	575.9	599.7	624.4	650.9	678.0	705.3	731.0	752.6	770.7	786.4
-8.75°	542.0	566.1	590.0	613.3	638.1	663.8	689.9	715.4	738.3	757.0	772.8
-10°	532.2	555.3	578.9	601.0	624.0	648.3	672.8	697.1	720.6	740.8	757.0
-11.25°	521.5	543.5	566.1	588.4	609.6	631.8	654.7	677.4	699.6	720.6	738.3
-12.5°	509.4	531.0	552.3	574.0	594.6	614.8	635.8	656.8	677.4	697.1	715.4
-13.75°	496.2	517.6	537.9	558.4	578.9	597.8	616.6	635.8	654.7	672.8	689.9
-15°	481.6	503.0	523.1	542.2	561.4	580.5	597.8	614.8	631.8	648.3	663.8
-16.25°	465.0	487.1	507.0	525.8	543.7	561.4	578.9	594.6	609.6	624.0	638.1
-17.5°	446.4	469.4	489.8	508.4	525.8	542.2	558.4	574.0	588.4	601.0	613.3
-18.75°	425.7	449.6	470.9	489.8	507.0	523.1	537.9	552.3	566.1	578.9	590.0
-20°	400.0	427.4	449.6	469.4	487.1	503.0	517.6	531.0	543.5	555.3	566.1
-21.25°	376.1	400.0	425.7	446.4	465.0	481.6	496.2	509.4	521.5	532.2	542.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	352.7	374.6	396.5	420.2	440.2	457.7	473.2	486.6	498.6	509.2	518.7
-23.75°	329.1	349.9	370.0	390.1	411.1	431.0	447.1	461.4	474.2	484.9	494.3
-25°	305.0	325.0	344.2	362.6	380.8	398.6	417.2	433.2	446.5	458.2	468.0
-26.25°	282.7	299.8	318.1	335.8	352.7	368.6	384.3	399.3	414.5	428.2	438.5
-27.5°	260.5	276.9	292.7	308.6	324.8	340.0	354.3	367.6	380.4	392.0	403.4
-28.75°	238.4	253.7	268.9	283.4	297.1	311.2	324.8	337.5	349.2	359.8	369.3
-30°	218.1	231.6	244.7	258.7	271.8	284.3	295.8	307.3	318.4	328.5	337.5
-31.25°	197.5	210.5	222.9	234.8	246.4	258.3	269.4	279.7	289.1	297.6	305.8
-32.5°	178.8	189.4	201.2	212.5	223.3	233.3	242.8	252.6	261.6	269.8	277.1
-33.75°	160.9	171.1	180.9	190.2	200.4	210.1	219.1	227.4	235.1	241.9	248.8
-35°	143.7	152.6	162.1	171.0	179.4	187.3	195.3	203.3	210.6	217.2	223.1
-36.25°	129.5	136.9	143.9	151.6	159.7	167.3	174.4	180.9	186.8	192.4	198.1
-37.5°	115.3	122.4	129.1	135.5	141.5	147.2	154.0	160.2	165.9	171.1	175.7
-38.75°	102.5	108.4	114.2	120.4	126.1	131.5	136.6	141.2	145.4	149.9	154.3
-40°	90.0	95.7	101.1	106.2	111.0	115.9	120.7	125.1	129.2	132.8	136.1
-41.25°	76.9	82.8	88.0	92.9	97.6	101.9	105.9	109.6	112.9	116.4	119.5
-42.5°	63.2	68.9	74.3	79.4	84.1	88.2	92.1	95.6	98.8	101.7	104.3
-43.75°	49.8	55.0	60.1	65.0	69.6	73.9	77.8	81.5	84.7	87.5	90.0
-45°	37.6	42.2	46.6	50.8	55.0	59.1	62.9	66.4	69.6	72.5	75.0
-46.25°	25.3	29.8	34.0	38.0	41.7	45.2	48.4	51.4	54.4	57.1	59.6
-47.5°	19.1	21.0	22.8	25.2	28.8	32.1	35.2	38.0	40.6	43.0	45.0
-48.75°	13.7	15.5	17.2	18.8	20.3	21.7	23.0	24.7	27.2	29.4	31.4
-50°	11.4	11.5	11.6	13.1	14.6	15.9	17.2	18.3	19.4	20.3	21.2
-51.25°	11.0	11.1	11.2	11.3	11.4	11.5	11.6	12.4	13.4	14.3	15.1
-52.5°	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.3	11.3	11.4	11.4
-53.75°	10.3	10.4	10.5	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0
-55°	9.9	10.0	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7
-56.25°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
-57.5°	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.8	9.9
-58.75°	9.0	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.5
-60°	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.1	9.1	9.1	9.2
-61.25°	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.8
-62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-63.75°	8.3	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-65°	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4
-66.25°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-67.5°	7.3	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6
-68.75°	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3	7.3
-70°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
-71.25°	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.5
-72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-75°	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.1	6.1
-76.25°	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.7
-77.5°	4.9	4.9	5.0	5.0	5.1	5.1	5.2	5.2	5.3	5.3	5.3



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.6
-80°	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
-81.25°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5
-82.5°	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1
-83.75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7
-85°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3
-86.25°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
81.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
78.75°	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.6
77.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
76.25°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
71.25°	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
70°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
68.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
67.5°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
66.25°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
65°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
63.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
61.25°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
60°	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
58.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6	9.6	9.6
57.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
56.25°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
55°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
53.75°	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1
52.5°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
51.25°	15.8	16.4	16.9	17.3	17.5	17.7	17.8	17.7	17.5	17.3	16.9
50°	21.9	22.5	23.0	23.4	23.7	23.8	23.9	23.8	23.7	23.4	23.0
48.75°	33.1	34.5	35.7	36.7	37.3	37.7	37.9	37.7	37.3	36.7	35.7
47.5°	46.8	48.3	49.6	50.5	51.2	51.7	51.8	51.7	51.2	50.5	49.6
46.25°	61.7	63.5	65.0	66.1	66.9	67.4	67.6	67.4	66.9	66.1	65.0
45°	77.2	79.1	80.6	81.9	82.7	83.2	83.4	83.2	82.7	81.9	80.6
43.75°	92.1	93.9	95.4	96.6	97.4	97.9	98.1	97.9	97.4	96.6	95.4
42.5°	106.5	108.4	110.0	111.2	112.1	112.6	112.8	112.6	112.1	111.2	110.0
41.25°	122.2	124.5	126.4	127.9	129.0	129.6	129.8	129.6	129.0	127.9	126.4
40°	138.9	141.3	143.3	144.8	145.9	146.6	146.8	146.6	145.9	144.8	143.3
38.75°	158.1	161.4	164.0	166.1	167.6	168.5	168.8	168.5	167.6	166.1	164.0
37.5°	179.6	183.0	185.8	188.0	189.6	190.5	190.8	190.5	189.6	188.0	185.8
36.25°	203.0	207.1	210.6	213.2	215.2	216.3	216.7	216.3	215.2	213.2	210.6
35°	228.2	232.6	236.2	239.0	241.0	242.2	242.6	242.2	241.0	239.0	236.2



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	254.9	260.1	264.3	267.6	270.0	271.5	272.0	271.5	270.0	267.6	264.3
32.5°	283.4	288.8	293.3	296.8	299.3	300.8	301.3	300.8	299.3	296.8	293.3
31.25°	313.3	319.7	325.0	329.1	332.1	333.9	334.5	333.9	332.1	329.1	325.0
30°	345.4	352.2	357.7	362.1	365.2	367.1	367.7	367.1	365.2	362.1	357.7
28.75°	378.0	385.4	391.6	396.5	400.4	402.7	403.5	402.7	400.4	396.5	391.6
27.5°	413.7	422.5	429.4	434.2	437.6	439.7	440.4	439.7	437.6	434.2	429.4
26.25°	447.5	455.1	461.0	465.6	468.9	470.8	471.5	470.8	468.9	465.6	461.0
25°	476.7	483.5	489.1	493.4	496.6	498.5	499.1	498.5	496.6	493.4	489.1
23.75°	502.4	509.2	514.9	519.3	522.4	524.3	524.9	524.3	522.4	519.3	514.9
22.5°	526.8	533.8	539.6	544.3	547.7	549.8	550.5	549.8	547.7	544.3	539.6
21.25°	550.9	558.6	565.1	570.3	574.1	576.3	577.1	576.3	574.1	570.3	565.1
20°	575.9	584.2	590.7	595.9	599.6	601.8	602.6	601.8	599.6	595.9	590.7
18.75°	599.7	608.5	615.9	621.9	626.3	629.1	630.0	629.1	626.3	621.9	615.9
17.5°	624.4	634.6	643.3	650.2	655.3	658.4	659.4	658.4	655.3	650.2	643.3
16.25°	650.9	662.3	671.8	679.7	685.3	688.8	689.9	688.8	685.3	679.7	671.8
15°	678.0	690.6	701.2	709.7	715.8	719.5	720.8	719.5	715.8	709.7	701.2
13.75°	705.3	718.9	729.4	737.8	743.7	746.8	747.9	746.8	743.7	737.8	729.4
12.5°	731.0	744.1	753.5	761.0	766.2	769.3	770.3	769.3	766.2	761.0	753.5
11.25°	752.6	764.4	773.7	781.1	786.2	789.3	790.4	789.3	786.2	781.1	773.7
10°	770.7	782.3	791.6	799.3	805.0	808.5	809.7	808.5	805.0	799.3	791.6
8.75°	786.4	798.2	808.6	816.5	822.2	825.5	826.5	825.5	822.2	816.5	808.6
7.5°	800.5	813.2	823.5	830.8	835.9	838.3	839.1	838.3	835.9	830.8	823.5
6.25°	813.2	825.6	835.2	840.7	843.3	843.8	844.0	843.8	843.3	840.7	835.2
5°	823.5	835.2	842.4	844.0	843.1	841.8	841.3	841.8	843.1	844.0	842.4
3.75°	830.8	840.7	844.0	842.2	838.3	834.9	833.5	834.9	838.3	842.2	844.0
2.5°	835.9	843.3	843.1	838.3	831.9	826.9	825.1	826.9	831.9	838.3	843.1
1.25°	838.3	843.8	841.8	834.9	826.9	821.7	820.9	821.7	826.9	834.9	841.8
0°	839.1	844.0	841.3	833.5	825.1	820.9	822.8	820.9	825.1	833.5	841.3
-1.25°	838.3	843.8	841.8	834.9	826.9	821.7	820.9	821.7	826.9	834.9	841.8
-2.5°	835.9	843.3	843.1	838.3	831.9	826.9	825.1	826.9	831.9	838.3	843.1
-3.75°	830.8	840.7	844.0	842.2	838.3	834.9	833.5	834.9	838.3	842.2	844.0
-5°	823.5	835.2	842.4	844.0	843.1	841.8	841.3	841.8	843.1	844.0	842.4
-6.25°	813.2	825.6	835.2	840.7	843.3	843.8	844.0	843.8	843.3	840.7	835.2
-7.5°	800.5	813.2	823.5	830.8	835.9	838.3	839.1	838.3	835.9	830.8	823.5
-8.75°	786.4	798.2	808.6	816.5	822.2	825.5	826.5	825.5	822.2	816.5	808.6
-10°	770.7	782.3	791.6	799.3	805.0	808.5	809.7	808.5	805.0	799.3	791.6
-11.25°	752.6	764.4	773.7	781.1	786.2	789.3	790.4	789.3	786.2	781.1	773.7
-12.5°	731.0	744.1	753.5	761.0	766.2	769.3	770.3	769.3	766.2	761.0	753.5
-13.75°	705.3	718.9	729.4	737.8	743.7	746.8	747.9	746.8	743.7	737.8	729.4
-15°	678.0	690.6	701.2	709.7	715.8	719.5	720.8	719.5	715.8	709.7	701.2
-16.25°	650.9	662.3	671.8	679.7	685.3	688.8	689.9	688.8	685.3	679.7	671.8
-17.5°	624.4	634.6	643.3	650.2	655.3	658.4	659.4	658.4	655.3	650.2	643.3
-18.75°	599.7	608.5	615.9	621.9	626.3	629.1	630.0	629.1	626.3	621.9	615.9
-20°	575.9	584.2	590.7	595.9	599.6	601.8	602.6	601.8	599.6	595.9	590.7
-21.25°	550.9	558.6	565.1	570.3	574.1	576.3	577.1	576.3	574.1	570.3	565.1





REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	526.8	533.8	539.6	544.3	547.7	549.8	550.5	549.8	547.7	544.3	539.6
-23.75°	502.4	509.2	514.9	519.3	522.4	524.3	524.9	524.3	522.4	519.3	514.9
-25°	476.7	483.5	489.1	493.4	496.6	498.5	499.1	498.5	496.6	493.4	489.1
-26.25°	447.5	455.1	461.0	465.6	468.9	470.8	471.5	470.8	468.9	465.6	461.0
-27.5°	413.7	422.5	429.4	434.2	437.6	439.7	440.4	439.7	437.6	434.2	429.4
-28.75°	378.0	385.4	391.6	396.5	400.4	402.7	403.5	402.7	400.4	396.5	391.6
-30°	345.4	352.2	357.7	362.1	365.2	367.1	367.7	367.1	365.2	362.1	357.7
-31.25°	313.3	319.7	325.0	329.1	332.1	333.9	334.5	333.9	332.1	329.1	325.0
-32.5°	283.4	288.8	293.3	296.8	299.3	300.8	301.3	300.8	299.3	296.8	293.3
-33.75°	254.9	260.1	264.3	267.6	270.0	271.5	272.0	271.5	270.0	267.6	264.3
-35°	228.2	232.6	236.2	239.0	241.0	242.2	242.6	242.2	241.0	239.0	236.2
-36.25°	203.0	207.1	210.6	213.2	215.2	216.3	216.7	216.3	215.2	213.2	210.6
-37.5°	179.6	183.0	185.8	188.0	189.6	190.5	190.8	190.5	189.6	188.0	185.8
-38.75°	158.1	161.4	164.0	166.1	167.6	168.5	168.8	168.5	167.6	166.1	164.0
-40°	138.9	141.3	143.3	144.8	145.9	146.6	146.8	146.6	145.9	144.8	143.3
-41.25°	122.2	124.5	126.4	127.9	129.0	129.6	129.8	129.6	129.0	127.9	126.4
-42.5°	106.5	108.4	110.0	111.2	112.1	112.6	112.8	112.6	112.1	111.2	110.0
-43.75°	92.1	93.9	95.4	96.6	97.4	97.9	98.1	97.9	97.4	96.6	95.4
-45°	77.2	79.1	80.6	81.9	82.7	83.2	83.4	83.2	82.7	81.9	80.6
-46.25°	61.7	63.5	65.0	66.1	66.9	67.4	67.6	67.4	66.9	66.1	65.0
-47.5°	46.8	48.3	49.6	50.5	51.2	51.7	51.8	51.7	51.2	50.5	49.6
-48.75°	33.1	34.5	35.7	36.7	37.3	37.7	37.9	37.7	37.3	36.7	35.7
-50°	21.9	22.5	23.0	23.4	23.7	23.8	23.9	23.8	23.7	23.4	23.0
-51.25°	15.8	16.4	16.9	17.3	17.5	17.7	17.8	17.7	17.5	17.3	16.9
-52.5°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
-53.75°	11.1	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1
-55°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-56.25°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-57.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-58.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6	9.6	9.6
-60°	9.2	9.2	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
-61.25°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-63.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-65°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-66.25°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
-67.5°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
-68.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
-70°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
-71.25°	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
-72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-76.25°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-77.5°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.6	4.6
-80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-81.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
-83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.5
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
85°	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1
83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6
82.5°	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
81.25°	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7
78.75°	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3
77.5°	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0
76.25°	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6
75°	6.2	6.2	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9
73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
71.25°	6.6	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.3
70°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
68.75°	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0
67.5°	7.7	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.3
66.25°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
65°	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.0
63.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4
62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
61.25°	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.5
60°	9.2	9.2	9.2	9.1	9.1	9.1	9.0	8.9	8.9	8.8	8.7
58.75°	9.6	9.6	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1
57.5°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.5
56.25°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
55°	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2	10.1
53.75°	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.7	10.6	10.5
52.5°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.0	11.0	10.9
51.25°	16.4	15.8	15.1	14.3	13.4	12.4	11.6	11.5	11.4	11.3	11.2
50°	22.5	21.9	21.2	20.3	19.4	18.3	17.2	15.9	14.6	13.1	11.6
48.75°	34.5	33.1	31.4	29.4	27.2	24.7	23.0	21.7	20.3	18.8	17.2
47.5°	48.3	46.8	45.0	43.0	40.6	38.0	35.2	32.1	28.8	25.2	22.8
46.25°	63.5	61.7	59.6	57.1	54.4	51.4	48.4	45.2	41.7	38.0	34.0
45°	79.1	77.2	75.0	72.5	69.6	66.4	62.9	59.1	55.0	50.8	46.6
43.75°	93.9	92.1	90.0	87.5	84.7	81.5	77.8	73.9	69.6	65.0	60.1
42.5°	108.4	106.5	104.3	101.7	98.8	95.6	92.1	88.2	84.1	79.4	74.3
41.25°	124.5	122.2	119.5	116.4	112.9	109.6	105.9	101.9	97.6	92.9	88.0
40°	141.3	138.9	136.1	132.8	129.2	125.1	120.7	115.9	111.0	106.2	101.1
38.75°	161.4	158.1	154.3	149.9	145.4	141.2	136.6	131.5	126.1	120.4	114.2
37.5°	183.0	179.6	175.7	171.1	165.9	160.2	154.0	147.2	141.5	135.5	129.1
36.25°	207.1	203.0	198.1	192.4	186.8	180.9	174.4	167.3	159.7	151.6	143.9
35°	232.6	228.2	223.1	217.2	210.6	203.3	195.3	187.3	179.4	171.0	162.1



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	260.1	254.9	248.8	241.9	235.1	227.4	219.1	210.1	200.4	190.2	180.9
32.5°	288.8	283.4	277.1	269.8	261.6	252.6	242.8	233.3	223.3	212.5	201.2
31.25°	319.7	313.3	305.8	297.6	289.1	279.7	269.4	258.3	246.4	234.8	222.9
30°	352.2	345.4	337.5	328.5	318.4	307.3	295.8	284.3	271.8	258.7	244.7
28.75°	385.4	378.0	369.3	359.8	349.2	337.5	324.8	311.2	297.1	283.4	268.9
27.5°	422.5	413.7	403.4	392.0	380.4	367.6	354.3	340.0	324.8	308.6	292.7
26.25°	455.1	447.5	438.5	428.2	414.5	399.3	384.3	368.6	352.7	335.8	318.1
25°	483.5	476.7	468.0	458.2	446.5	433.2	417.2	398.6	380.8	362.6	344.2
23.75°	509.2	502.4	494.3	484.9	474.2	461.4	447.1	431.0	411.1	390.1	370.0
22.5°	533.8	526.8	518.7	509.2	498.6	486.6	473.2	457.7	440.2	420.2	396.5
21.25°	558.6	550.9	542.0	532.2	521.5	509.4	496.2	481.6	465.0	446.4	425.7
20°	584.2	575.9	566.1	555.3	543.5	531.0	517.6	503.0	487.1	469.4	449.6
18.75°	608.5	599.7	590.0	578.9	566.1	552.3	537.9	523.1	507.0	489.8	470.9
17.5°	634.6	624.4	613.3	601.0	588.4	574.0	558.4	542.2	525.8	508.4	489.8
16.25°	662.3	650.9	638.1	624.0	609.6	594.6	578.9	561.4	543.7	525.8	507.0
15°	690.6	678.0	663.8	648.3	631.8	614.8	597.8	580.5	561.4	542.2	523.1
13.75°	718.9	705.3	689.9	672.8	654.7	635.8	616.6	597.8	578.9	558.4	537.9
12.5°	744.1	731.0	715.4	697.1	677.4	656.8	635.8	614.8	594.6	574.0	552.3
11.25°	764.4	752.6	738.3	720.6	699.6	677.4	654.7	631.8	609.6	588.4	566.1
10°	782.3	770.7	757.0	740.8	720.6	697.1	672.8	648.3	624.0	601.0	578.9
8.75°	798.2	786.4	772.8	757.0	738.3	715.4	689.9	663.8	638.1	613.3	590.0
7.5°	813.2	800.5	786.4	770.7	752.6	731.0	705.3	678.0	650.9	624.4	599.7
6.25°	825.6	813.2	798.2	782.3	764.4	744.1	718.9	690.6	662.3	634.6	608.5
5°	835.2	823.5	808.6	791.6	773.7	753.5	729.4	701.2	671.8	643.3	615.9
3.75°	840.7	830.8	816.5	799.3	781.1	761.0	737.8	709.7	679.7	650.2	621.9
2.5°	843.3	835.9	822.2	805.0	786.2	766.2	743.7	715.8	685.3	655.3	626.3
1.25°	843.8	838.3	825.5	808.5	789.3	769.3	746.8	719.5	688.8	658.4	629.1
0°	844.0	839.1	826.5	809.7	790.4	770.3	747.9	720.8	689.9	659.4	630.0
-1.25°	843.8	838.3	825.5	808.5	789.3	769.3	746.8	719.5	688.8	658.4	629.1
-2.5°	843.3	835.9	822.2	805.0	786.2	766.2	743.7	715.8	685.3	655.3	626.3
-3.75°	840.7	830.8	816.5	799.3	781.1	761.0	737.8	709.7	679.7	650.2	621.9
-5°	835.2	823.5	808.6	791.6	773.7	753.5	729.4	701.2	671.8	643.3	615.9
-6.25°	825.6	813.2	798.2	782.3	764.4	744.1	718.9	690.6	662.3	634.6	608.5
-7.5°	813.2	800.5	786.4	770.7	752.6	731.0	705.3	678.0	650.9	624.4	599.7
-8.75°	798.2	786.4	772.8	757.0	738.3	715.4	689.9	663.8	638.1	613.3	590.0
-10°	782.3	770.7	757.0	740.8	720.6	697.1	672.8	648.3	624.0	601.0	578.9
-11.25°	764.4	752.6	738.3	720.6	699.6	677.4	654.7	631.8	609.6	588.4	566.1
-12.5°	744.1	731.0	715.4	697.1	677.4	656.8	635.8	614.8	594.6	574.0	552.3
-13.75°	718.9	705.3	689.9	672.8	654.7	635.8	616.6	597.8	578.9	558.4	537.9
-15°	690.6	678.0	663.8	648.3	631.8	614.8	597.8	580.5	561.4	542.2	523.1
-16.25°	662.3	650.9	638.1	624.0	609.6	594.6	578.9	561.4	543.7	525.8	507.0
-17.5°	634.6	624.4	613.3	601.0	588.4	574.0	558.4	542.2	525.8	508.4	489.8
-18.75°	608.5	599.7	590.0	578.9	566.1	552.3	537.9	523.1	507.0	489.8	470.9
-20°	584.2	575.9	566.1	555.3	543.5	531.0	517.6	503.0	487.1	469.4	449.6
-21.25°	558.6	550.9	542.0	532.2	521.5	509.4	496.2	481.6	465.0	446.4	425.7



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	533.8	526.8	518.7	509.2	498.6	486.6	473.2	457.7	440.2	420.2	396.5
-23.75°	509.2	502.4	494.3	484.9	474.2	461.4	447.1	431.0	411.1	390.1	370.0
-25°	483.5	476.7	468.0	458.2	446.5	433.2	417.2	398.6	380.8	362.6	344.2
-26.25°	455.1	447.5	438.5	428.2	414.5	399.3	384.3	368.6	352.7	335.8	318.1
-27.5°	422.5	413.7	403.4	392.0	380.4	367.6	354.3	340.0	324.8	308.6	292.7
-28.75°	385.4	378.0	369.3	359.8	349.2	337.5	324.8	311.2	297.1	283.4	268.9
-30°	352.2	345.4	337.5	328.5	318.4	307.3	295.8	284.3	271.8	258.7	244.7
-31.25°	319.7	313.3	305.8	297.6	289.1	279.7	269.4	258.3	246.4	234.8	222.9
-32.5°	288.8	283.4	277.1	269.8	261.6	252.6	242.8	233.3	223.3	212.5	201.2
-33.75°	260.1	254.9	248.8	241.9	235.1	227.4	219.1	210.1	200.4	190.2	180.9
-35°	232.6	228.2	223.1	217.2	210.6	203.3	195.3	187.3	179.4	171.0	162.1
-36.25°	207.1	203.0	198.1	192.4	186.8	180.9	174.4	167.3	159.7	151.6	143.9
-37.5°	183.0	179.6	175.7	171.1	165.9	160.2	154.0	147.2	141.5	135.5	129.1
-38.75°	161.4	158.1	154.3	149.9	145.4	141.2	136.6	131.5	126.1	120.4	114.2
-40°	141.3	138.9	136.1	132.8	129.2	125.1	120.7	115.9	111.0	106.2	101.1
-41.25°	124.5	122.2	119.5	116.4	112.9	109.6	105.9	101.9	97.6	92.9	88.0
-42.5°	108.4	106.5	104.3	101.7	98.8	95.6	92.1	88.2	84.1	79.4	74.3
-43.75°	93.9	92.1	90.0	87.5	84.7	81.5	77.8	73.9	69.6	65.0	60.1
-45°	79.1	77.2	75.0	72.5	69.6	66.4	62.9	59.1	55.0	50.8	46.6
-46.25°	63.5	61.7	59.6	57.1	54.4	51.4	48.4	45.2	41.7	38.0	34.0
-47.5°	48.3	46.8	45.0	43.0	40.6	38.0	35.2	32.1	28.8	25.2	22.8
-48.75°	34.5	33.1	31.4	29.4	27.2	24.7	23.0	21.7	20.3	18.8	17.2
-50°	22.5	21.9	21.2	20.3	19.4	18.3	17.2	15.9	14.6	13.1	11.6
-51.25°	16.4	15.8	15.1	14.3	13.4	12.4	11.6	11.5	11.4	11.3	11.2
-52.5°	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1	11.0	11.0	10.9
-53.75°	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.7	10.6	10.5
-55°	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2	10.1
-56.25°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
-57.5°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.5
-58.75°	9.6	9.6	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1
-60°	9.2	9.2	9.2	9.1	9.1	9.1	9.0	8.9	8.9	8.8	8.7
-61.25°	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.5
-62.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-63.75°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4
-65°	8.4	8.4	8.4	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.0
-66.25°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
-67.5°	7.7	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.3
-68.75°	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0
-70°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
-71.25°	6.6	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.3
-72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-73.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-75°	6.2	6.2	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9
-76.25°	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.6
-77.5°	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3
-80°	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7
-81.25°	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-82.5°	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
-83.75°	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6
-85°	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1
-86.25°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-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: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2
85°	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
83.75°	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
82.5°	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7
81.25°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
80°	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4
78.75°	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.9	3.8	3.8	3.7
77.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2
76.25°	5.5	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8
75°	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.4
73.75°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9	5.9	5.8	5.8
72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1
71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
70°	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.2
68.75°	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.5	6.4	6.3
67.5°	7.3	7.3	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.6
66.25°	7.6	7.6	7.5	7.5	7.4	7.3	7.3	7.2	7.1	7.0	7.0
65°	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2
63.75°	8.4	8.3	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5
62.5°	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8
61.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3	8.2
60°	8.7	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
58.75°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.5	8.5	8.5	8.5
57.5°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.5
56.25°	9.7	9.6	9.5	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.6
55°	10.0	9.9	9.9	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0
53.75°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3
52.5°	10.8	10.7	10.6	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.5
51.25°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0	9.8
50°	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1
48.75°	15.5	13.7	11.7	11.5	11.3	11.2	11.1	10.9	10.7	10.6	10.4
47.5°	21.0	19.1	17.1	15.0	12.9	11.5	11.4	11.2	11.1	10.9	10.7
46.25°	29.8	25.3	22.5	20.3	18.0	15.7	13.2	11.5	11.4	11.2	11.0
45°	42.2	37.6	32.7	27.6	23.2	20.7	18.2	15.6	12.9	11.5	11.3
43.75°	55.0	49.8	44.7	39.4	33.9	28.2	23.1	20.4	17.6	14.7	11.8
42.5°	68.9	63.2	57.3	51.1	45.4	39.5	33.3	26.9	22.3	19.3	16.3
41.25°	82.8	76.9	70.7	64.3	57.5	50.7	44.3	37.7	30.9	23.9	20.7
40°	95.7	90.0	84.0	77.3	70.4	63.1	55.6	48.4	41.3	34.1	26.6
38.75°	108.4	102.5	96.3	89.8	83.1	75.6	67.9	59.9	51.6	44.2	36.5
37.5°	122.4	115.3	108.5	101.8	94.9	87.6	79.9	71.7	63.2	54.4	46.2
36.25°	136.9	129.5	121.8	113.8	106.5	99.0	91.3	83.3	74.5	65.5	56.3
35°	152.6	143.7	135.7	127.4	118.7	110.2	102.2	94.0	85.6	76.5	67.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	171.1	160.9	150.2	140.8	131.8	122.6	113.1	104.6	95.9	87.0	77.4
32.5°	189.4	178.8	167.7	156.1	144.8	135.2	125.4	115.3	106.0	96.8	87.4
31.25°	210.5	197.5	185.0	173.0	160.7	147.9	137.5	127.1	116.4	106.4	96.8
30°	231.6	218.1	204.1	189.7	176.9	163.7	150.1	138.6	127.6	116.4	106.0
28.75°	253.7	238.4	223.8	208.8	193.2	179.2	165.2	150.9	138.6	127.1	115.3
27.5°	276.9	260.5	243.4	227.7	211.6	195.1	180.0	165.2	150.1	137.5	125.4
26.25°	299.8	282.7	265.0	246.8	229.6	212.6	195.1	179.2	163.7	147.9	135.2
25°	325.0	305.0	286.2	267.3	247.9	229.6	211.6	193.2	176.9	160.7	144.8
23.75°	349.9	329.1	307.7	287.4	267.3	246.8	227.7	208.8	189.7	173.0	156.1
22.5°	374.6	352.7	330.5	307.7	286.2	265.0	243.4	223.8	204.1	185.0	167.7
21.25°	400.0	376.1	352.7	329.1	305.0	282.7	260.5	238.4	218.1	197.5	178.8
20°	427.4	400.0	374.6	349.9	325.0	299.8	276.9	253.7	231.6	210.5	189.4
18.75°	449.6	425.7	396.5	370.0	344.2	318.1	292.7	268.9	244.7	222.9	201.2
17.5°	469.4	446.4	420.2	390.1	362.6	335.8	308.6	283.4	258.7	234.8	212.5
16.25°	487.1	465.0	440.2	411.1	380.8	352.7	324.8	297.1	271.8	246.4	223.3
15°	503.0	481.6	457.7	431.0	398.6	368.6	340.0	311.2	284.3	258.3	233.3
13.75°	517.6	496.2	473.2	447.1	417.2	384.3	354.3	324.8	295.8	269.4	242.8
12.5°	531.0	509.4	486.6	461.4	433.2	399.3	367.6	337.5	307.3	279.7	252.6
11.25°	543.5	521.5	498.6	474.2	446.5	414.5	380.4	349.2	318.4	289.1	261.6
10°	555.3	532.2	509.2	484.9	458.2	428.2	392.0	359.8	328.5	297.6	269.8
8.75°	566.1	542.0	518.7	494.3	468.0	438.5	403.4	369.3	337.5	305.8	277.1
7.5°	575.9	550.9	526.8	502.4	476.7	447.5	413.7	378.0	345.4	313.3	283.4
6.25°	584.2	558.6	533.8	509.2	483.5	455.1	422.5	385.4	352.2	319.7	288.8
5°	590.7	565.1	539.6	514.9	489.1	461.0	429.4	391.6	357.7	325.0	293.3
3.75°	595.9	570.3	544.3	519.3	493.4	465.6	434.2	396.5	362.1	329.1	296.8
2.5°	599.6	574.1	547.7	522.4	496.6	468.9	437.6	400.4	365.2	332.1	299.3
1.25°	601.8	576.3	549.8	524.3	498.5	470.8	439.7	402.7	367.1	333.9	300.8
0°	602.6	577.1	550.5	524.9	499.1	471.5	440.4	403.5	367.7	334.5	301.3
-1.25°	601.8	576.3	549.8	524.3	498.5	470.8	439.7	402.7	367.1	333.9	300.8
-2.5°	599.6	574.1	547.7	522.4	496.6	468.9	437.6	400.4	365.2	332.1	299.3
-3.75°	595.9	570.3	544.3	519.3	493.4	465.6	434.2	396.5	362.1	329.1	296.8
-5°	590.7	565.1	539.6	514.9	489.1	461.0	429.4	391.6	357.7	325.0	293.3
-6.25°	584.2	558.6	533.8	509.2	483.5	455.1	422.5	385.4	352.2	319.7	288.8
-7.5°	575.9	550.9	526.8	502.4	476.7	447.5	413.7	378.0	345.4	313.3	283.4
-8.75°	566.1	542.0	518.7	494.3	468.0	438.5	403.4	369.3	337.5	305.8	277.1
-10°	555.3	532.2	509.2	484.9	458.2	428.2	392.0	359.8	328.5	297.6	269.8
-11.25°	543.5	521.5	498.6	474.2	446.5	414.5	380.4	349.2	318.4	289.1	261.6
-12.5°	531.0	509.4	486.6	461.4	433.2	399.3	367.6	337.5	307.3	279.7	252.6
-13.75°	517.6	496.2	473.2	447.1	417.2	384.3	354.3	324.8	295.8	269.4	242.8
-15°	503.0	481.6	457.7	431.0	398.6	368.6	340.0	311.2	284.3	258.3	233.3
-16.25°	487.1	465.0	440.2	411.1	380.8	352.7	324.8	297.1	271.8	246.4	223.3
-17.5°	469.4	446.4	420.2	390.1	362.6	335.8	308.6	283.4	258.7	234.8	212.5
-18.75°	449.6	425.7	396.5	370.0	344.2	318.1	292.7	268.9	244.7	222.9	201.2
-20°	427.4	400.0	374.6	349.9	325.0	299.8	276.9	253.7	231.6	210.5	189.4
-21.25°	400.0	376.1	352.7	329.1	305.0	282.7	260.5	238.4	218.1	197.5	178.8





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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	374.6	352.7	330.5	307.7	286.2	265.0	243.4	223.8	204.1	185.0	167.7
-23.75°	349.9	329.1	307.7	287.4	267.3	246.8	227.7	208.8	189.7	173.0	156.1
-25°	325.0	305.0	286.2	267.3	247.9	229.6	211.6	193.2	176.9	160.7	144.8
-26.25°	299.8	282.7	265.0	246.8	229.6	212.6	195.1	179.2	163.7	147.9	135.2
-27.5°	276.9	260.5	243.4	227.7	211.6	195.1	180.0	165.2	150.1	137.5	125.4
-28.75°	253.7	238.4	223.8	208.8	193.2	179.2	165.2	150.9	138.6	127.1	115.3
-30°	231.6	218.1	204.1	189.7	176.9	163.7	150.1	138.6	127.6	116.4	106.0
-31.25°	210.5	197.5	185.0	173.0	160.7	147.9	137.5	127.1	116.4	106.4	96.8
-32.5°	189.4	178.8	167.7	156.1	144.8	135.2	125.4	115.3	106.0	96.8	87.4
-33.75°	171.1	160.9	150.2	140.8	131.8	122.6	113.1	104.6	95.9	87.0	77.4
-35°	152.6	143.7	135.7	127.4	118.7	110.2	102.2	94.0	85.6	76.5	67.0
-36.25°	136.9	129.5	121.8	113.8	106.5	99.0	91.3	83.3	74.5	65.5	56.3
-37.5°	122.4	115.3	108.5	101.8	94.9	87.6	79.9	71.7	63.2	54.4	46.2
-38.75°	108.4	102.5	96.3	89.8	83.1	75.6	67.9	59.9	51.6	44.2	36.5
-40°	95.7	90.0	84.0	77.3	70.4	63.1	55.6	48.4	41.3	34.1	26.6
-41.25°	82.8	76.9	70.7	64.3	57.5	50.7	44.3	37.7	30.9	23.9	20.7
-42.5°	68.9	63.2	57.3	51.1	45.4	39.5	33.3	26.9	22.3	19.3	16.3
-43.75°	55.0	49.8	44.7	39.4	33.9	28.2	23.1	20.4	17.6	14.7	11.8
-45°	42.2	37.6	32.7	27.6	23.2	20.7	18.2	15.6	12.9	11.5	11.3
-46.25°	29.8	25.3	22.5	20.3	18.0	15.7	13.2	11.5	11.4	11.2	11.0
-47.5°	21.0	19.1	17.1	15.0	12.9	11.5	11.4	11.2	11.1	10.9	10.7
-48.75°	15.5	13.7	11.7	11.5	11.3	11.2	11.1	10.9	10.7	10.6	10.4
-50°	11.5	11.4	11.3	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1
-51.25°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0	9.8
-52.5°	10.8	10.7	10.6	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.5
-53.75°	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3
-55°	10.0	9.9	9.9	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0
-56.25°	9.7	9.6	9.5	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.6
-57.5°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.5
-58.75°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.5	8.5	8.5	8.5
-60°	8.7	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-61.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3	8.2
-62.5°	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8
-63.75°	8.4	8.3	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5
-65°	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2
-66.25°	7.6	7.6	7.5	7.5	7.4	7.3	7.3	7.2	7.1	7.0	7.0
-67.5°	7.3	7.3	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.6
-68.75°	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.5	6.4	6.3
-70°	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.2	6.2
-71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-72.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1
-73.75°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	5.9	5.9	5.8	5.8
-75°	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.4
-76.25°	5.5	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8
-77.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.9	3.8	3.8	3.7
-80°	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4
-81.25°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-82.5°	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7
-83.75°	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-85°	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
-86.25°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
85°	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4
83.75°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9
82.5°	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4
81.25°	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6
80°	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
78.75°	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.2
77.5°	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5
76.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
75°	5.4	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1
73.75°	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6
72.5°	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.1
71.25°	6.2	6.2	6.2	6.1	6.0	6.0	5.9	5.8	5.7	5.6	5.5
70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.9	5.8
68.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
67.5°	6.5	6.4	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
66.25°	6.9	6.8	6.7	6.6	6.5	6.4	6.2	6.2	6.2	6.2	6.2
65°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.3	6.2	6.2
63.75°	7.4	7.3	7.3	7.2	7.0	6.9	6.8	6.7	6.6	6.4	6.3
62.5°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6
61.25°	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8
60°	8.4	8.2	8.1	8.0	7.8	7.7	7.6	7.5	7.3	7.2	7.1
58.75°	8.5	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.6	7.4	7.3
57.5°	8.5	8.5	8.5	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5
56.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.2	8.1	7.9	7.7
55°	8.8	8.7	8.5	8.5	8.5	8.5	8.5	8.5	8.3	8.2	8.0
53.75°	9.1	9.0	8.8	8.7	8.5	8.5	8.5	8.5	8.5	8.4	8.2
52.5°	9.4	9.3	9.1	8.9	8.8	8.6	8.5	8.5	8.5	8.5	8.5
51.25°	9.7	9.5	9.4	9.2	9.1	8.9	8.7	8.5	8.5	8.5	8.5
50°	9.9	9.8	9.6	9.5	9.3	9.1	8.9	8.8	8.6	8.5	8.5
48.75°	10.2	10.1	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.5
47.5°	10.5	10.4	10.2	10.0	9.8	9.6	9.4	9.3	9.0	8.8	8.6
46.25°	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.8
45°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1
43.75°	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.9	9.7	9.5	9.3
42.5°	13.1	11.5	11.3	11.1	10.8	10.6	10.4	10.1	9.9	9.7	9.5
41.25°	17.5	14.1	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.9	9.7
40°	21.8	18.3	14.8	11.6	11.3	11.1	10.9	10.6	10.4	10.1	9.9
38.75°	28.6	22.5	18.8	15.2	11.6	11.3	11.1	10.8	10.6	10.3	10.0
37.5°	38.1	29.8	22.8	19.0	15.2	11.6	11.3	11.1	10.8	10.5	10.2
36.25°	47.4	38.9	30.2	22.8	18.8	14.8	11.5	11.3	11.0	10.7	10.4
35°	57.2	47.8	38.9	29.8	22.5	18.3	14.1	11.5	11.2	10.9	10.6



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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	67.4	57.2	47.4	38.1	28.6	21.8	17.5	13.1	11.4	11.1	10.8
32.5°	77.4	67.0	56.3	46.2	36.5	26.6	20.7	16.3	11.8	11.3	11.0
31.25°	87.0	76.5	65.5	54.4	44.2	34.1	23.9	19.3	14.7	11.5	11.2
30°	95.9	85.6	74.5	63.2	51.6	41.3	30.9	22.3	17.6	12.9	11.4
28.75°	104.6	94.0	83.3	71.7	59.9	48.4	37.7	26.9	20.4	15.6	11.5
27.5°	113.1	102.2	91.3	79.9	67.9	55.6	44.3	33.3	23.1	18.2	13.2
26.25°	122.6	110.2	99.0	87.6	75.6	63.1	50.7	39.5	28.2	20.7	15.7
25°	131.8	118.7	106.5	94.9	83.1	70.4	57.5	45.4	33.9	23.2	18.0
23.75°	140.8	127.4	113.8	101.8	89.8	77.3	64.3	51.1	39.4	27.6	20.3
22.5°	150.2	135.7	121.8	108.5	96.3	84.0	70.7	57.3	44.7	32.7	22.5
21.25°	160.9	143.7	129.5	115.3	102.5	90.0	76.9	63.2	49.8	37.6	25.3
20°	171.1	152.6	136.9	122.4	108.4	95.7	82.8	68.9	55.0	42.2	29.8
18.75°	180.9	162.1	143.9	129.1	114.2	101.1	88.0	74.3	60.1	46.6	34.0
17.5°	190.2	171.0	151.6	135.5	120.4	106.2	92.9	79.4	65.0	50.8	38.0
16.25°	200.4	179.4	159.7	141.5	126.1	111.0	97.6	84.1	69.6	55.0	41.7
15°	210.1	187.3	167.3	147.2	131.5	115.9	101.9	88.2	73.9	59.1	45.2
13.75°	219.1	195.3	174.4	154.0	136.6	120.7	105.9	92.1	77.8	62.9	48.4
12.5°	227.4	203.3	180.9	160.2	141.2	125.1	109.6	95.6	81.5	66.4	51.4
11.25°	235.1	210.6	186.8	165.9	145.4	129.2	112.9	98.8	84.7	69.6	54.4
10°	241.9	217.2	192.4	171.1	149.9	132.8	116.4	101.7	87.5	72.5	57.1
8.75°	248.8	223.1	198.1	175.7	154.3	136.1	119.5	104.3	90.0	75.0	59.6
7.5°	254.9	228.2	203.0	179.6	158.1	138.9	122.2	106.5	92.1	77.2	61.7
6.25°	260.1	232.6	207.1	183.0	161.4	141.3	124.5	108.4	93.9	79.1	63.5
5°	264.3	236.2	210.6	185.8	164.0	143.3	126.4	110.0	95.4	80.6	65.0
3.75°	267.6	239.0	213.2	188.0	166.1	144.8	127.9	111.2	96.6	81.9	66.1
2.5°	270.0	241.0	215.2	189.6	167.6	145.9	129.0	112.1	97.4	82.7	66.9
1.25°	271.5	242.2	216.3	190.5	168.5	146.6	129.6	112.6	97.9	83.2	67.4
0°	272.0	242.6	216.7	190.8	168.8	146.8	129.8	112.8	98.1	83.4	67.6
-1.25°	271.5	242.2	216.3	190.5	168.5	146.6	129.6	112.6	97.9	83.2	67.4
-2.5°	270.0	241.0	215.2	189.6	167.6	145.9	129.0	112.1	97.4	82.7	66.9
-3.75°	267.6	239.0	213.2	188.0	166.1	144.8	127.9	111.2	96.6	81.9	66.1
-5°	264.3	236.2	210.6	185.8	164.0	143.3	126.4	110.0	95.4	80.6	65.0
-6.25°	260.1	232.6	207.1	183.0	161.4	141.3	124.5	108.4	93.9	79.1	63.5
-7.5°	254.9	228.2	203.0	179.6	158.1	138.9	122.2	106.5	92.1	77.2	61.7
-8.75°	248.8	223.1	198.1	175.7	154.3	136.1	119.5	104.3	90.0	75.0	59.6
-10°	241.9	217.2	192.4	171.1	149.9	132.8	116.4	101.7	87.5	72.5	57.1
-11.25°	235.1	210.6	186.8	165.9	145.4	129.2	112.9	98.8	84.7	69.6	54.4
-12.5°	227.4	203.3	180.9	160.2	141.2	125.1	109.6	95.6	81.5	66.4	51.4
-13.75°	219.1	195.3	174.4	154.0	136.6	120.7	105.9	92.1	77.8	62.9	48.4
-15°	210.1	187.3	167.3	147.2	131.5	115.9	101.9	88.2	73.9	59.1	45.2
-16.25°	200.4	179.4	159.7	141.5	126.1	111.0	97.6	84.1	69.6	55.0	41.7
-17.5°	190.2	171.0	151.6	135.5	120.4	106.2	92.9	79.4	65.0	50.8	38.0
-18.75°	180.9	162.1	143.9	129.1	114.2	101.1	88.0	74.3	60.1	46.6	34.0
-20°	171.1	152.6	136.9	122.4	108.4	95.7	82.8	68.9	55.0	42.2	29.8
-21.25°	160.9	143.7	129.5	115.3	102.5	90.0	76.9	63.2	49.8	37.6	25.3



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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	150.2	135.7	121.8	108.5	96.3	84.0	70.7	57.3	44.7	32.7	22.5
-23.75°	140.8	127.4	113.8	101.8	89.8	77.3	64.3	51.1	39.4	27.6	20.3
-25°	131.8	118.7	106.5	94.9	83.1	70.4	57.5	45.4	33.9	23.2	18.0
-26.25°	122.6	110.2	99.0	87.6	75.6	63.1	50.7	39.5	28.2	20.7	15.7
-27.5°	113.1	102.2	91.3	79.9	67.9	55.6	44.3	33.3	23.1	18.2	13.2
-28.75°	104.6	94.0	83.3	71.7	59.9	48.4	37.7	26.9	20.4	15.6	11.5
-30°	95.9	85.6	74.5	63.2	51.6	41.3	30.9	22.3	17.6	12.9	11.4
-31.25°	87.0	76.5	65.5	54.4	44.2	34.1	23.9	19.3	14.7	11.5	11.2
-32.5°	77.4	67.0	56.3	46.2	36.5	26.6	20.7	16.3	11.8	11.3	11.0
-33.75°	67.4	57.2	47.4	38.1	28.6	21.8	17.5	13.1	11.4	11.1	10.8
-35°	57.2	47.8	38.9	29.8	22.5	18.3	14.1	11.5	11.2	10.9	10.6
-36.25°	47.4	38.9	30.2	22.8	18.8	14.8	11.5	11.3	11.0	10.7	10.4
-37.5°	38.1	29.8	22.8	19.0	15.2	11.6	11.3	11.1	10.8	10.5	10.2
-38.75°	28.6	22.5	18.8	15.2	11.6	11.3	11.1	10.8	10.6	10.3	10.0
-40°	21.8	18.3	14.8	11.6	11.3	11.1	10.9	10.6	10.4	10.1	9.9
-41.25°	17.5	14.1	11.5	11.3	11.1	10.9	10.6	10.4	10.1	9.9	9.7
-42.5°	13.1	11.5	11.3	11.1	10.8	10.6	10.4	10.1	9.9	9.7	9.5
-43.75°	11.4	11.2	11.0	10.8	10.6	10.4	10.1	9.9	9.7	9.5	9.3
-45°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1
-46.25°	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.8
-47.5°	10.5	10.4	10.2	10.0	9.8	9.6	9.4	9.3	9.0	8.8	8.6
-48.75°	10.2	10.1	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.5
-50°	9.9	9.8	9.6	9.5	9.3	9.1	8.9	8.8	8.6	8.5	8.5
-51.25°	9.7	9.5	9.4	9.2	9.1	8.9	8.7	8.5	8.5	8.5	8.5
-52.5°	9.4	9.3	9.1	8.9	8.8	8.6	8.5	8.5	8.5	8.5	8.5
-53.75°	9.1	9.0	8.8	8.7	8.5	8.5	8.5	8.5	8.5	8.4	8.2
-55°	8.8	8.7	8.5	8.5	8.5	8.5	8.5	8.5	8.3	8.2	8.0
-56.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.2	8.1	7.9	7.7
-57.5°	8.5	8.5	8.5	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.5
-58.75°	8.5	8.5	8.4	8.3	8.1	8.0	7.8	7.7	7.6	7.4	7.3
-60°	8.4	8.2	8.1	8.0	7.8	7.7	7.6	7.5	7.3	7.2	7.1
-61.25°	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.8
-62.5°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6
-63.75°	7.4	7.3	7.3	7.2	7.0	6.9	6.8	6.7	6.6	6.4	6.3
-65°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.3	6.2	6.2
-66.25°	6.9	6.8	6.7	6.6	6.5	6.4	6.2	6.2	6.2	6.2	6.2
-67.5°	6.5	6.4	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
-68.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.0
-70°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.9	5.8
-71.25°	6.2	6.2	6.2	6.1	6.0	6.0	5.9	5.8	5.7	5.6	5.5
-72.5°	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.1
-73.75°	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.6
-75°	5.4	5.2	5.1	5.0	4.9	4.8	4.6	4.5	4.4	4.2	4.1
-76.25°	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
-77.5°	4.1	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5



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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.3	3.3	3.2	3.2
-80°	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
-81.25°	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6
-82.5°	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4
-83.75°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9
-85°	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4
-86.25°	1.2	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.5	8.5	8.4
32.5°	10.7	10.4	10.1	9.8	9.5	9.3	9.0	8.6	8.5	8.5	8.5
31.25°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.5	8.5
30°	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.5	8.5
28.75°	11.2	10.9	10.6	10.3	9.9	9.6	9.4	9.0	8.7	8.5	8.5
27.5°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.1	8.8	8.5	8.5
26.25°	11.5	11.2	10.9	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.5
25°	12.9	11.3	11.0	10.7	10.3	10.0	9.7	9.4	9.0	8.7	8.5
23.75°	15.0	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.5
22.5°	17.1	11.7	11.3	10.9	10.6	10.2	9.9	9.5	9.2	8.9	8.5
21.25°	19.1	13.7	11.4	11.0	10.7	10.3	9.9	9.6	9.3	9.0	8.6
20°	21.0	15.5	11.5	11.1	10.8	10.4	10.0	9.7	9.4	9.0	8.7
18.75°	22.8	17.2	11.6	11.2	10.9	10.5	10.1	9.8	9.5	9.1	8.7
17.5°	25.2	18.8	13.1	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
16.25°	28.8	20.3	14.6	11.4	11.0	10.7	10.3	9.9	9.6	9.3	8.9
15°	32.1	21.7	15.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3	8.9
13.75°	35.2	23.0	17.2	11.6	11.2	10.8	10.4	10.1	9.7	9.4	9.0
12.5°	38.0	24.7	18.3	12.4	11.3	10.9	10.5	10.1	9.8	9.4	9.1
11.25°	40.6	27.2	19.4	13.4	11.3	10.9	10.6	10.2	9.8	9.5	9.1
10°	43.0	29.4	20.3	14.3	11.4	11.0	10.6	10.2	9.8	9.5	9.1
8.75°	45.0	31.4	21.2	15.1	11.4	11.0	10.7	10.3	9.9	9.5	9.2
7.5°	46.8	33.1	21.9	15.8	11.5	11.1	10.7	10.3	9.9	9.6	9.2
6.25°	48.3	34.5	22.5	16.4	11.5	11.1	10.7	10.3	9.9	9.6	9.2
5°	49.6	35.7	23.0	16.9	11.5	11.1	10.8	10.4	10.0	9.6	9.3
3.75°	50.5	36.7	23.4	17.3	11.6	11.2	10.8	10.4	10.0	9.6	9.3
2.5°	51.2	37.3	23.7	17.5	11.6	11.2	10.8	10.4	10.0	9.6	9.3
1.25°	51.7	37.7	23.8	17.7	11.6	11.2	10.8	10.4	10.0	9.6	9.3
0°	51.8	37.9	23.9	17.8	11.6	11.2	10.8	10.4	10.0	9.7	9.3
-1.25°	51.7	37.7	23.8	17.7	11.6	11.2	10.8	10.4	10.0	9.6	9.3
-2.5°	51.2	37.3	23.7	17.5	11.6	11.2	10.8	10.4	10.0	9.6	9.3
-3.75°	50.5	36.7	23.4	17.3	11.6	11.2	10.8	10.4	10.0	9.6	9.3
-5°	49.6	35.7	23.0	16.9	11.5	11.1	10.8	10.4	10.0	9.6	9.3
-6.25°	48.3	34.5	22.5	16.4	11.5	11.1	10.7	10.3	9.9	9.6	9.2
-7.5°	46.8	33.1	21.9	15.8	11.5	11.1	10.7	10.3	9.9	9.6	9.2
-8.75°	45.0	31.4	21.2	15.1	11.4	11.0	10.7	10.3	9.9	9.5	9.2
-10°	43.0	29.4	20.3	14.3	11.4	11.0	10.6	10.2	9.8	9.5	9.1
-11.25°	40.6	27.2	19.4	13.4	11.3	10.9	10.6	10.2	9.8	9.5	9.1
-12.5°	38.0	24.7	18.3	12.4	11.3	10.9	10.5	10.1	9.8	9.4	9.1
-13.75°	35.2	23.0	17.2	11.6	11.2	10.8	10.4	10.1	9.7	9.4	9.0
-15°	32.1	21.7	15.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3	8.9
-16.25°	28.8	20.3	14.6	11.4	11.0	10.7	10.3	9.9	9.6	9.3	8.9
-17.5°	25.2	18.8	13.1	11.3	11.0	10.6	10.2	9.9	9.5	9.2	8.8
-18.75°	22.8	17.2	11.6	11.2	10.9	10.5	10.1	9.8	9.5	9.1	8.7
-20°	21.0	15.5	11.5	11.1	10.8	10.4	10.0	9.7	9.4	9.0	8.7
-21.25°	19.1	13.7	11.4	11.0	10.7	10.3	9.9	9.6	9.3	9.0	8.6





REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	17.1	11.7	11.3	10.9	10.6	10.2	9.9	9.5	9.2	8.9	8.5
-23.75°	15.0	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.5
-25°	12.9	11.3	11.0	10.7	10.3	10.0	9.7	9.4	9.0	8.7	8.5
-26.25°	11.5	11.2	10.9	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.5
-27.5°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.1	8.8	8.5	8.5
-28.75°	11.2	10.9	10.6	10.3	9.9	9.6	9.4	9.0	8.7	8.5	8.5
-30°	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.5	8.5
-31.25°	10.9	10.6	10.3	10.0	9.7	9.4	9.1	8.8	8.5	8.5	8.5
-32.5°	10.7	10.4	10.1	9.8	9.5	9.3	9.0	8.6	8.5	8.5	8.5
-33.75°	10.5	10.2	9.9	9.7	9.4	9.1	8.8	8.5	8.5	8.5	8.4
-35°	10.4	10.1	9.8	9.5	9.3	9.0	8.7	8.5	8.5	8.5	8.2
-36.25°	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.5	8.5	8.4	8.1
-37.5°	10.0	9.7	9.5	9.2	8.9	8.7	8.5	8.5	8.5	8.3	8.0
-38.75°	9.8	9.6	9.3	9.1	8.8	8.5	8.5	8.5	8.4	8.1	7.8
-40°	9.6	9.4	9.1	8.9	8.6	8.5	8.5	8.5	8.3	8.0	7.7
-41.25°	9.4	9.2	8.9	8.7	8.5	8.5	8.5	8.4	8.1	7.8	7.6
-42.5°	9.3	9.0	8.8	8.5	8.5	8.5	8.5	8.2	8.0	7.7	7.5
-43.75°	9.0	8.8	8.6	8.5	8.5	8.5	8.3	8.1	7.8	7.6	7.3
-45°	8.8	8.6	8.5	8.5	8.5	8.4	8.2	7.9	7.7	7.4	7.2
-46.25°	8.6	8.5	8.5	8.5	8.5	8.2	8.0	7.7	7.5	7.3	7.1
-47.5°	8.5	8.5	8.5	8.5	8.3	8.0	7.8	7.6	7.4	7.1	6.9
-48.75°	8.5	8.5	8.5	8.3	8.1	7.8	7.6	7.4	7.2	7.0	6.8
-50°	8.5	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6
-51.25°	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.4
-52.5°	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3
-53.75°	8.0	7.8	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.2
-55°	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.2	6.2
-56.25°	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.4	6.2	6.2	6.2
-57.5°	7.4	7.2	7.1	6.9	6.7	6.5	6.3	6.2	6.2	6.2	6.2
-58.75°	7.1	7.0	6.8	6.7	6.5	6.3	6.2	6.2	6.2	6.2	6.2
-60°	6.9	6.8	6.6	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.0
-61.25°	6.7	6.5	6.4	6.2	6.2	6.2	6.2	6.2	6.2	6.0	5.9
-62.5°	6.4	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.0	5.8	5.7
-63.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.1	6.0	5.8	5.6	5.5
-65°	6.2	6.2	6.2	6.2	6.2	6.0	5.9	5.7	5.6	5.5	5.2
-66.25°	6.2	6.2	6.2	6.1	5.9	5.8	5.7	5.5	5.4	5.1	4.9
-67.5°	6.2	6.1	6.0	5.8	5.7	5.6	5.5	5.3	5.0	4.8	4.5
-68.75°	5.9	5.8	5.7	5.6	5.5	5.3	5.1	4.9	4.6	4.4	4.2
-70°	5.7	5.6	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.0	3.9
-71.25°	5.4	5.2	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.8	3.7
-72.5°	4.9	4.8	4.6	4.4	4.2	4.0	3.9	3.8	3.7	3.6	3.5
-73.75°	4.4	4.3	4.1	4.0	3.8	3.7	3.7	3.6	3.5	3.4	3.3
-75°	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.3	3.2	3.1
-76.25°	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	3.0	2.9
-77.5°	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.8	2.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	3.1	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.6	2.6	2.5
-80°	2.9	2.8	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3
-81.25°	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.1	2.0	1.9
-82.5°	2.3	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7	1.6	1.5
-83.75°	1.8	1.8	1.7	1.6	1.6	1.5	1.4	1.4	1.3	1.2	1.2
-85°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	8.0	7.7	7.4	7.2	6.9	6.5	6.2	6.2	6.2	6.0	5.7
32.5°	8.2	7.8	7.5	7.2	7.0	6.6	6.3	6.2	6.2	6.1	5.8
31.25°	8.3	7.9	7.6	7.3	7.0	6.7	6.4	6.2	6.2	6.2	5.8
30°	8.4	8.0	7.7	7.4	7.1	6.8	6.5	6.2	6.2	6.2	5.9
28.75°	8.5	8.1	7.8	7.5	7.2	6.9	6.5	6.2	6.2	6.2	5.9
27.5°	8.5	8.2	7.9	7.6	7.3	6.9	6.6	6.3	6.2	6.2	6.0
26.25°	8.5	8.3	8.0	7.6	7.3	7.0	6.7	6.3	6.2	6.2	6.1
25°	8.5	8.4	8.1	7.7	7.4	7.1	6.7	6.4	6.2	6.2	6.1
23.75°	8.5	8.5	8.1	7.8	7.5	7.1	6.8	6.4	6.2	6.2	6.1
22.5°	8.5	8.5	8.2	7.9	7.5	7.2	6.9	6.5	6.2	6.2	6.2
21.25°	8.5	8.5	8.3	7.9	7.6	7.3	6.9	6.5	6.2	6.2	6.2
20°	8.5	8.5	8.4	8.0	7.6	7.3	7.0	6.6	6.2	6.2	6.2
18.75°	8.5	8.5	8.4	8.0	7.7	7.3	7.0	6.6	6.3	6.2	6.2
17.5°	8.5	8.5	8.5	8.1	7.7	7.4	7.1	6.7	6.3	6.2	6.2
16.25°	8.5	8.5	8.5	8.2	7.8	7.4	7.1	6.7	6.4	6.2	6.2
15°	8.6	8.5	8.5	8.2	7.8	7.5	7.1	6.8	6.4	6.2	6.2
13.75°	8.6	8.5	8.5	8.3	7.9	7.5	7.2	6.8	6.4	6.2	6.2
12.5°	8.7	8.5	8.5	8.3	7.9	7.5	7.2	6.8	6.5	6.2	6.2
11.25°	8.7	8.5	8.5	8.3	7.9	7.6	7.2	6.9	6.5	6.2	6.2
10°	8.7	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
8.75°	8.8	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
7.5°	8.8	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
6.25°	8.8	8.5	8.5	8.4	8.1	7.7	7.3	7.0	6.6	6.2	6.2
5°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
3.75°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
2.5°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
1.25°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
0°	8.9	8.5	8.5	8.5	8.1	7.7	7.4	7.0	6.6	6.2	6.2
-1.25°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
-2.5°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
-3.75°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
-5°	8.9	8.5	8.5	8.5	8.1	7.7	7.3	7.0	6.6	6.2	6.2
-6.25°	8.8	8.5	8.5	8.4	8.1	7.7	7.3	7.0	6.6	6.2	6.2
-7.5°	8.8	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
-8.75°	8.8	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
-10°	8.7	8.5	8.5	8.4	8.0	7.6	7.3	6.9	6.5	6.2	6.2
-11.25°	8.7	8.5	8.5	8.3	7.9	7.6	7.2	6.9	6.5	6.2	6.2
-12.5°	8.7	8.5	8.5	8.3	7.9	7.5	7.2	6.8	6.5	6.2	6.2
-13.75°	8.6	8.5	8.5	8.3	7.9	7.5	7.2	6.8	6.4	6.2	6.2
-15°	8.6	8.5	8.5	8.2	7.8	7.5	7.1	6.8	6.4	6.2	6.2
-16.25°	8.5	8.5	8.5	8.2	7.8	7.4	7.1	6.7	6.4	6.2	6.2
-17.5°	8.5	8.5	8.5	8.1	7.7	7.4	7.1	6.7	6.3	6.2	6.2
-18.75°	8.5	8.5	8.4	8.0	7.7	7.3	7.0	6.6	6.3	6.2	6.2
-20°	8.5	8.5	8.4	8.0	7.6	7.3	7.0	6.6	6.2	6.2	6.2
-21.25°	8.5	8.5	8.3	7.9	7.6	7.3	6.9	6.5	6.2	6.2	6.2



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	8.5	8.5	8.2	7.9	7.5	7.2	6.9	6.5	6.2	6.2	6.2
-23.75°	8.5	8.5	8.1	7.8	7.5	7.1	6.8	6.4	6.2	6.2	6.1
-25°	8.5	8.4	8.1	7.7	7.4	7.1	6.7	6.4	6.2	6.2	6.1
-26.25°	8.5	8.3	8.0	7.6	7.3	7.0	6.7	6.3	6.2	6.2	6.1
-27.5°	8.5	8.2	7.9	7.6	7.3	6.9	6.6	6.3	6.2	6.2	6.0
-28.75°	8.5	8.1	7.8	7.5	7.2	6.9	6.5	6.2	6.2	6.2	5.9
-30°	8.4	8.0	7.7	7.4	7.1	6.8	6.5	6.2	6.2	6.2	5.9
-31.25°	8.3	7.9	7.6	7.3	7.0	6.7	6.4	6.2	6.2	6.2	5.8
-32.5°	8.2	7.8	7.5	7.2	7.0	6.6	6.3	6.2	6.2	6.1	5.8
-33.75°	8.0	7.7	7.4	7.2	6.9	6.5	6.2	6.2	6.2	6.0	5.7
-35°	7.9	7.6	7.3	7.1	6.8	6.4	6.2	6.2	6.2	6.0	5.6
-36.25°	7.8	7.5	7.3	7.0	6.7	6.4	6.2	6.2	6.2	5.9	5.6
-37.5°	7.7	7.4	7.2	6.9	6.6	6.3	6.2	6.2	6.1	5.8	5.5
-38.75°	7.6	7.3	7.0	6.8	6.5	6.2	6.2	6.2	6.0	5.7	5.4
-40°	7.5	7.2	6.9	6.6	6.4	6.2	6.2	6.2	6.0	5.7	5.3
-41.25°	7.3	7.1	6.8	6.5	6.2	6.2	6.2	6.2	5.9	5.6	5.2
-42.5°	7.2	7.0	6.7	6.4	6.2	6.2	6.2	6.1	5.8	5.5	5.0
-43.75°	7.1	6.8	6.6	6.3	6.2	6.2	6.2	6.0	5.7	5.4	4.9
-45°	7.0	6.7	6.4	6.2	6.2	6.2	6.2	5.9	5.6	5.3	4.7
-46.25°	6.8	6.6	6.3	6.2	6.2	6.2	6.0	5.8	5.5	5.1	4.6
-47.5°	6.7	6.4	6.2	6.2	6.2	6.2	5.9	5.7	5.4	4.9	4.4
-48.75°	6.5	6.3	6.2	6.2	6.2	6.1	5.8	5.6	5.2	4.8	4.3
-50°	6.4	6.2	6.2	6.2	6.2	6.0	5.7	5.5	5.1	4.6	4.1
-51.25°	6.2	6.2	6.2	6.2	6.1	5.8	5.6	5.3	4.9	4.4	4.0
-52.5°	6.2	6.2	6.2	6.2	5.9	5.7	5.5	5.1	4.7	4.2	3.8
-53.75°	6.2	6.2	6.2	6.0	5.8	5.6	5.3	4.9	4.5	4.0	3.7
-55°	6.2	6.2	6.1	5.9	5.7	5.5	5.1	4.7	4.3	3.9	3.7
-56.25°	6.2	6.2	6.0	5.7	5.5	5.3	4.9	4.5	4.1	3.8	3.6
-57.5°	6.2	6.0	5.8	5.6	5.4	5.0	4.6	4.3	3.9	3.7	3.5
-58.75°	6.0	5.8	5.6	5.5	5.1	4.8	4.4	4.0	3.8	3.6	3.4
-60°	5.9	5.7	5.5	5.2	4.9	4.5	4.2	3.9	3.7	3.5	3.3
-61.25°	5.7	5.5	5.3	4.9	4.6	4.3	3.9	3.7	3.5	3.4	3.2
-62.5°	5.5	5.3	5.0	4.7	4.3	4.0	3.8	3.6	3.4	3.3	3.1
-63.75°	5.3	5.0	4.7	4.4	4.1	3.8	3.7	3.5	3.3	3.1	3.0
-65°	4.9	4.7	4.4	4.1	3.8	3.7	3.5	3.4	3.2	3.0	2.9
-66.25°	4.6	4.3	4.1	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.8
-67.5°	4.3	4.0	3.8	3.7	3.5	3.4	3.3	3.1	3.0	2.8	2.7
-68.75°	3.9	3.8	3.7	3.5	3.4	3.3	3.1	3.0	2.8	2.7	2.6
-70°	3.7	3.6	3.5	3.4	3.2	3.1	3.0	2.8	2.7	2.6	2.5
-71.25°	3.5	3.4	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.5	2.4
-72.5°	3.4	3.3	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2
-73.75°	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.0
-75°	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.8
-76.25°	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.1	1.9	1.8	1.6
-77.5°	2.6	2.5	2.5	2.4	2.3	2.2	2.0	1.8	1.7	1.5	1.4



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	2.4	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2
-80°	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0
-81.25°	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8
-82.5°	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7
-83.75°	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	5.4	4.7	4.1	3.7	3.4	3.0	2.7	2.4	1.8	1.2	0.7
32.5°	5.4	4.8	4.2	3.7	3.4	3.1	2.7	2.4	1.8	1.2	0.7
31.25°	5.5	4.9	4.3	3.8	3.4	3.1	2.8	2.4	1.9	1.2	0.7
30°	5.5	5.0	4.4	3.8	3.5	3.1	2.8	2.4	1.9	1.2	0.7
28.75°	5.6	5.1	4.5	3.9	3.5	3.2	2.8	2.5	1.9	1.3	0.7
27.5°	5.6	5.2	4.5	3.9	3.5	3.2	2.8	2.5	2.0	1.3	0.7
26.25°	5.7	5.3	4.6	3.9	3.6	3.2	2.9	2.5	2.0	1.3	0.7
25°	5.7	5.4	4.7	4.0	3.6	3.2	2.9	2.5	2.0	1.3	0.7
23.75°	5.8	5.4	4.8	4.1	3.6	3.3	2.9	2.5	2.0	1.4	0.7
22.5°	5.8	5.5	4.8	4.1	3.7	3.3	2.9	2.5	2.1	1.4	0.7
21.25°	5.9	5.5	4.9	4.2	3.7	3.3	2.9	2.6	2.1	1.4	0.7
20°	5.9	5.5	4.9	4.2	3.7	3.3	3.0	2.6	2.1	1.4	0.8
18.75°	5.9	5.6	5.0	4.3	3.7	3.4	3.0	2.6	2.1	1.4	0.8
17.5°	6.0	5.6	5.0	4.3	3.8	3.4	3.0	2.6	2.2	1.4	0.8
16.25°	6.0	5.6	5.1	4.4	3.8	3.4	3.0	2.6	2.2	1.5	0.8
15°	6.0	5.6	5.1	4.4	3.8	3.4	3.0	2.6	2.2	1.5	0.8
13.75°	6.1	5.7	5.2	4.5	3.8	3.4	3.0	2.6	2.2	1.5	0.8
12.5°	6.1	5.7	5.2	4.5	3.8	3.4	3.0	2.7	2.2	1.5	0.8
11.25°	6.1	5.7	5.3	4.5	3.8	3.4	3.1	2.7	2.2	1.5	0.8
10°	6.1	5.7	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
8.75°	6.1	5.7	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
7.5°	6.2	5.8	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
6.25°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
5°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
3.75°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
2.5°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
1.25°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
0°	6.2	5.8	5.4	4.7	3.9	3.5	3.1	2.7	2.3	1.6	0.8
-1.25°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-2.5°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-3.75°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-5°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-6.25°	6.2	5.8	5.4	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-7.5°	6.2	5.8	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-8.75°	6.1	5.7	5.3	4.6	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-10°	6.1	5.7	5.3	4.5	3.9	3.5	3.1	2.7	2.3	1.5	0.8
-11.25°	6.1	5.7	5.3	4.5	3.8	3.4	3.1	2.7	2.2	1.5	0.8
-12.5°	6.1	5.7	5.2	4.5	3.8	3.4	3.0	2.7	2.2	1.5	0.8
-13.75°	6.1	5.7	5.2	4.5	3.8	3.4	3.0	2.6	2.2	1.5	0.8
-15°	6.0	5.6	5.1	4.4	3.8	3.4	3.0	2.6	2.2	1.5	0.8
-16.25°	6.0	5.6	5.1	4.4	3.8	3.4	3.0	2.6	2.2	1.5	0.8
-17.5°	6.0	5.6	5.0	4.3	3.8	3.4	3.0	2.6	2.2	1.4	0.8
-18.75°	5.9	5.6	5.0	4.3	3.7	3.4	3.0	2.6	2.1	1.4	0.8
-20°	5.9	5.5	4.9	4.2	3.7	3.3	3.0	2.6	2.1	1.4	0.8
-21.25°	5.9	5.5	4.9	4.2	3.7	3.3	2.9	2.6	2.1	1.4	0.7





REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220334 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3097-W-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)