

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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

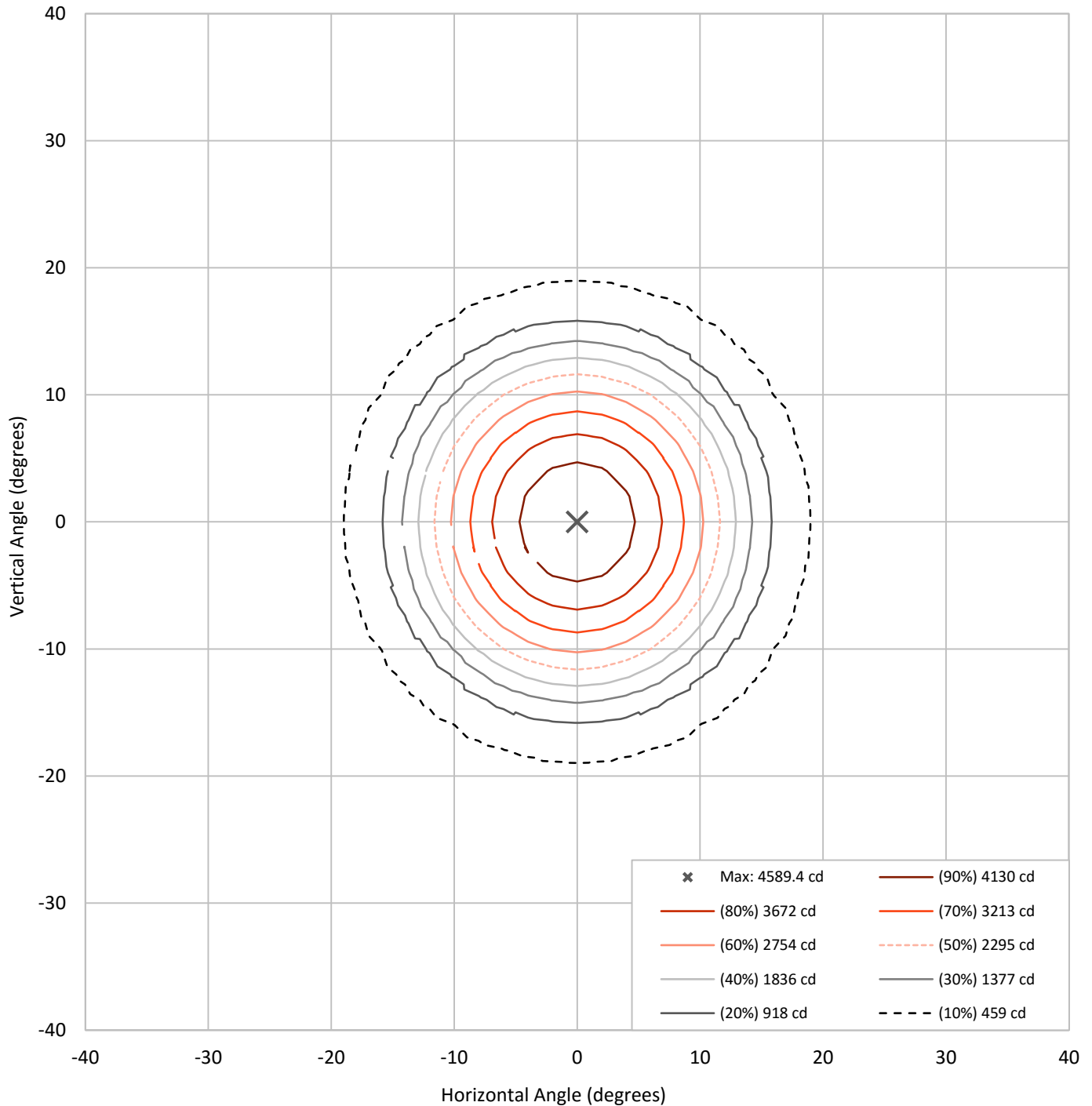
Test Method: LM-79-08  
Report Number: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 4000K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	819.4 lumens	Max Intensity:	4589.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	81.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.3°H x 23.3°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	438.9 lumens	Field Lumens:	664 lumens
Beam Efficiency:	53.6%	Field Efficiency:	81.0%
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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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

### Iso-Candela Plot





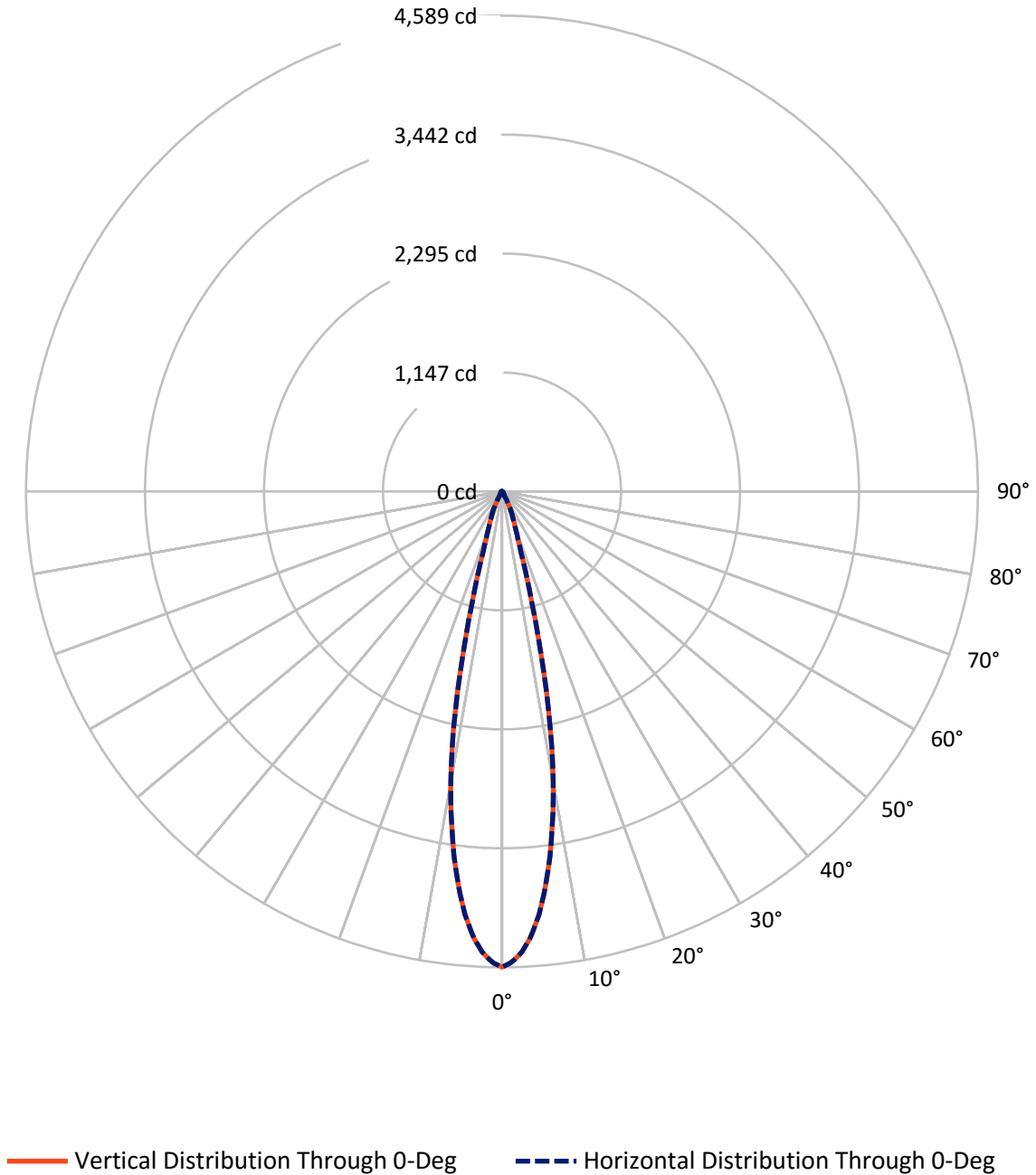
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### Lumen Table

90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0			
60		0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1				
50	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1			
40		0.1	0.2	0.3	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.2	5.2	2.5	0.7	0.4	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.3	0.5	2.4	10.9	32.2	32.2	10.9	2.4	0.5	0.3	0.2	0.1				
10	0.1	0.1	0.2	0.3	0.6	4.8	31.4	103.0	103.0	31.4	4.8	0.6	0.3	0.2	0.1	0.1			
0		0.1	0.2	0.3	0.6	4.8	31.4	103.0	103.0	31.4	4.8	0.6	0.3	0.2	0.1				
-10	0.1	0.1	0.2	0.3	0.6	4.8	31.4	103.0	103.0	31.4	4.8	0.6	0.3	0.2	0.1	0.1			
-20		0.1	0.2	0.3	0.5	2.4	10.9	32.2	32.2	10.9	2.4	0.5	0.3	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.4	0.7	2.5	5.2	5.2	2.5	0.7	0.4	0.3	0.2	0.1	0.1			
-40		0.1	0.2	0.3	0.3	0.4	0.6	0.8	0.8	0.6	0.4	0.3	0.3	0.2	0.1				
-50	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0			
-60		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
-70	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0				
-80		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1		0.1			
-90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										

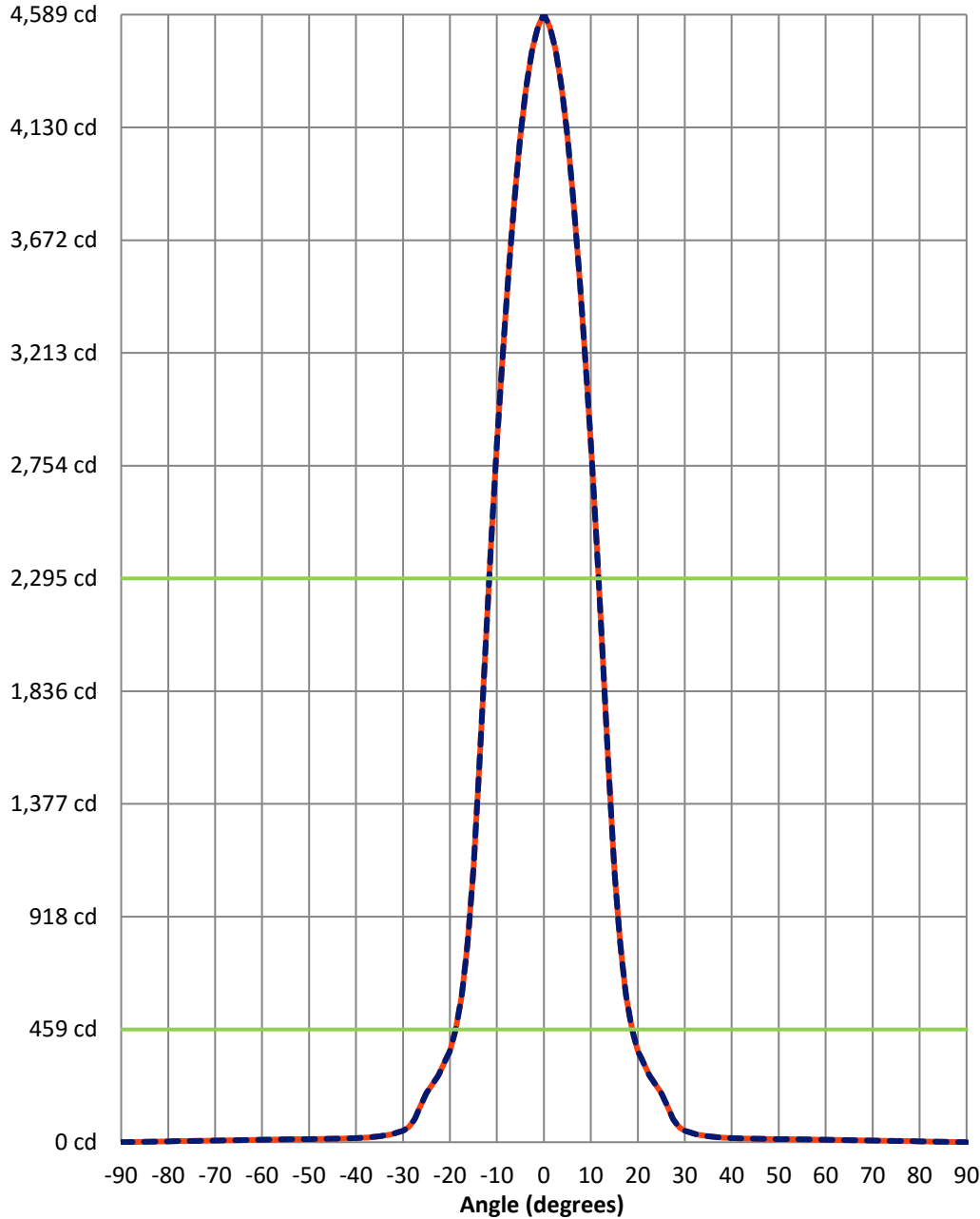
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.3°  
 V Angle: 23.3°  
 Lumens: 438.9  
 Efficiency: 53.6%

**Field:**  
 H Angle: 37.5°  
 V Angle: 37.5°  
 Lumens: 664  
 Efficiency: 81.0%

**Spill:**  
 Lumens: 155.4  
 Efficiency: 19.0%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.5
32.5°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.5	2.8	3.1	3.7
31.25°	0.0	0.3	0.7	1.1	1.4	1.8	2.2	2.5	2.8	3.2	3.8
30°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.8
28.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.9
27.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	4.0
26.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	4.1
25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	4.2
23.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.7	3.0	3.5	4.3
22.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.1	3.6	4.3
21.25°	0.0	0.4	0.7	1.2	1.6	2.0	2.3	2.7	3.1	3.6	4.4
20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.7	4.5
18.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.7	4.5
17.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.8	4.6
16.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.8	4.7
15°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
13.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.8
12.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.4	2.8	3.2	4.0	4.8
11.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.8	3.2	4.0	4.8
10°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.0	4.9
8.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
7.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
6.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
3.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
2.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
1.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
0°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	4.2	5.0
-1.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
-2.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
-3.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
-5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	5.0
-6.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
-7.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
-8.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.1	4.9
-10°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	4.0	4.9
-11.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.8	3.2	4.0	4.8
-12.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.4	2.8	3.2	4.0	4.8
-13.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.8
-15°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.9	4.7
-16.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.8	4.7
-17.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.8	4.6
-18.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.7	4.5
-20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.7	4.5
-21.25°	0.0	0.4	0.7	1.2	1.6	2.0	2.3	2.7	3.1	3.6	4.4





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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.1	3.6	4.3
-23.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.7	3.0	3.5	4.3
-25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	4.2
-26.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	4.1
-27.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	4.0
-28.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.9
-30°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.8
-31.25°	0.0	0.3	0.7	1.1	1.4	1.8	2.2	2.5	2.8	3.2	3.8
-32.5°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.5	2.8	3.1	3.7
-33.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.5
-35°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.0	3.4
-36.25°	0.0	0.3	0.6	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
-37.5°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.3
-38.75°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.2
-40°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.9	3.2
-41.25°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-42.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.7	3.0
-43.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-45°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-46.25°	0.0	0.3	0.6	0.8	1.1	1.5	1.8	2.0	2.3	2.6	2.9
-47.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-48.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.7
-50°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
-51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-52.5°	0.0	0.2	0.5	0.7	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-53.75°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.5
-55°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.2	2.4
-56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.9	2.1	2.3
-57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-58.75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.8	2.0	2.2
-60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.8	1.9
-63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9
-65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.3	1.5	1.7
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.5
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.4
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.3
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.2
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-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: P220320 (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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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	0.8	0.9
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3
80°	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
78.75°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
77.5°	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
71.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
70°	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
68.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1
67.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1	3.2
66.25°	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.5
65°	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.2	3.5	3.8
63.75°	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.2	3.5	3.8	4.2
62.5°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.8	4.2	4.5
61.25°	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.7	4.1	4.5	4.9
60°	2.3	2.5	2.7	2.9	3.1	3.3	3.6	4.0	4.4	4.8	5.0
58.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.9	4.3	4.7	5.0	5.0
57.5°	2.4	2.7	2.9	3.1	3.3	3.7	4.1	4.6	5.0	5.0	5.0
56.25°	2.5	2.7	3.0	3.2	3.5	3.9	4.4	4.8	5.0	5.0	5.0
55°	2.6	2.8	3.1	3.3	3.7	4.2	4.7	5.0	5.0	5.0	5.0
53.75°	2.7	2.9	3.1	3.5	4.0	4.4	4.9	5.0	5.0	5.0	5.1
52.5°	2.8	3.0	3.2	3.7	4.2	4.7	5.0	5.0	5.0	5.0	5.2
51.25°	2.8	3.1	3.4	3.9	4.4	4.9	5.0	5.0	5.0	5.1	5.3
50°	2.9	3.2	3.5	4.1	4.6	5.0	5.0	5.0	5.0	5.2	5.5
48.75°	3.0	3.2	3.7	4.3	4.8	5.0	5.0	5.0	5.1	5.4	5.6
47.5°	3.1	3.3	3.9	4.5	5.0	5.0	5.0	5.0	5.3	5.5	5.8
46.25°	3.1	3.5	4.1	4.7	5.0	5.0	5.0	5.1	5.4	5.6	5.9
45°	3.2	3.7	4.3	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.1
43.75°	3.3	3.8	4.4	5.0	5.0	5.0	5.1	5.3	5.6	5.9	6.2
42.5°	3.4	4.0	4.6	5.0	5.0	5.0	5.2	5.4	5.7	6.0	6.4
41.25°	3.5	4.1	4.8	5.0	5.0	5.0	5.3	5.6	5.8	6.2	6.5
40°	3.6	4.3	4.9	5.0	5.0	5.1	5.4	5.7	6.0	6.3	6.6
38.75°	3.8	4.4	5.0	5.0	5.0	5.2	5.5	5.8	6.1	6.4	6.8
37.5°	3.9	4.6	5.0	5.0	5.0	5.2	5.5	5.9	6.2	6.6	6.9
36.25°	4.0	4.7	5.0	5.0	5.0	5.3	5.6	6.0	6.3	6.7	7.0
35°	4.1	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.4	6.8	7.1



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	4.3	5.0	5.0	5.0	5.2	5.5	5.8	6.2	6.5	6.9	7.2
32.5°	4.4	5.0	5.0	5.0	5.2	5.6	5.9	6.3	6.6	7.0	7.3
31.25°	4.5	5.0	5.0	5.0	5.3	5.6	6.0	6.4	6.7	7.1	7.4
30°	4.6	5.0	5.0	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.5
28.75°	4.7	5.0	5.0	5.1	5.4	5.8	6.2	6.6	6.9	7.3	7.6
27.5°	4.8	5.0	5.0	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7
26.25°	4.9	5.0	5.0	5.2	5.6	5.9	6.3	6.7	7.1	7.4	7.8
25°	5.0	5.0	5.0	5.3	5.6	6.0	6.4	6.8	7.2	7.5	7.9
23.75°	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9
22.5°	5.0	5.0	5.0	5.4	5.7	6.1	6.5	6.9	7.3	7.7	8.0
21.25°	5.0	5.0	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1
20°	5.0	5.0	5.1	5.5	5.8	6.2	6.7	7.0	7.4	7.8	8.2
18.75°	5.0	5.0	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.8	8.2
17.5°	5.0	5.0	5.2	5.5	5.9	6.4	6.8	7.1	7.5	7.9	8.3
16.25°	5.0	5.0	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.3
15°	5.0	5.0	5.2	5.6	6.0	6.4	6.9	7.2	7.6	8.0	8.4
13.75°	5.0	5.0	5.2	5.6	6.0	6.5	6.9	7.3	7.7	8.1	8.5
12.5°	5.0	5.0	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
11.25°	5.0	5.0	5.3	5.7	6.1	6.6	7.0	7.4	7.7	8.1	8.6
10°	5.0	5.0	5.3	5.7	6.1	6.6	7.0	7.4	7.8	8.2	8.6
8.75°	5.0	5.0	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.2	8.6
7.5°	5.0	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.7
6.25°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.2	8.7
5°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
3.75°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
2.5°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
1.25°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
0°	5.0	5.0	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.3	8.8
-1.25°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
-2.5°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
-3.75°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
-5°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3	8.7
-6.25°	5.0	5.0	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.2	8.7
-7.5°	5.0	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.7
-8.75°	5.0	5.0	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.2	8.6
-10°	5.0	5.0	5.3	5.7	6.1	6.6	7.0	7.4	7.8	8.2	8.6
-11.25°	5.0	5.0	5.3	5.7	6.1	6.6	7.0	7.4	7.7	8.1	8.6
-12.5°	5.0	5.0	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-13.75°	5.0	5.0	5.2	5.6	6.0	6.5	6.9	7.3	7.7	8.1	8.5
-15°	5.0	5.0	5.2	5.6	6.0	6.4	6.9	7.2	7.6	8.0	8.4
-16.25°	5.0	5.0	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.3
-17.5°	5.0	5.0	5.2	5.5	5.9	6.4	6.8	7.1	7.5	7.9	8.3
-18.75°	5.0	5.0	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.8	8.2
-20°	5.0	5.0	5.1	5.5	5.8	6.2	6.7	7.0	7.4	7.8	8.2
-21.25°	5.0	5.0	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.7	8.1



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	5.0	5.0	5.0	5.4	5.7	6.1	6.5	6.9	7.3	7.7	8.0
-23.75°	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.9	7.2	7.6	7.9
-25°	5.0	5.0	5.0	5.3	5.6	6.0	6.4	6.8	7.2	7.5	7.9
-26.25°	4.9	5.0	5.0	5.2	5.6	5.9	6.3	6.7	7.1	7.4	7.8
-27.5°	4.8	5.0	5.0	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7
-28.75°	4.7	5.0	5.0	5.1	5.4	5.8	6.2	6.6	6.9	7.3	7.6
-30°	4.6	5.0	5.0	5.0	5.4	5.7	6.1	6.5	6.8	7.2	7.5
-31.25°	4.5	5.0	5.0	5.0	5.3	5.6	6.0	6.4	6.7	7.1	7.4
-32.5°	4.4	5.0	5.0	5.0	5.2	5.6	5.9	6.3	6.6	7.0	7.3
-33.75°	4.3	5.0	5.0	5.0	5.2	5.5	5.8	6.2	6.5	6.9	7.2
-35°	4.1	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.4	6.8	7.1
-36.25°	4.0	4.7	5.0	5.0	5.0	5.3	5.6	6.0	6.3	6.7	7.0
-37.5°	3.9	4.6	5.0	5.0	5.0	5.2	5.5	5.9	6.2	6.6	6.9
-38.75°	3.8	4.4	5.0	5.0	5.0	5.2	5.5	5.8	6.1	6.4	6.8
-40°	3.6	4.3	4.9	5.0	5.0	5.1	5.4	5.7	6.0	6.3	6.6
-41.25°	3.5	4.1	4.8	5.0	5.0	5.0	5.3	5.6	5.8	6.2	6.5
-42.5°	3.4	4.0	4.6	5.0	5.0	5.0	5.2	5.4	5.7	6.0	6.4
-43.75°	3.3	3.8	4.4	5.0	5.0	5.0	5.1	5.3	5.6	5.9	6.2
-45°	3.2	3.7	4.3	4.8	5.0	5.0	5.0	5.2	5.5	5.8	6.1
-46.25°	3.1	3.5	4.1	4.7	5.0	5.0	5.0	5.1	5.4	5.6	5.9
-47.5°	3.1	3.3	3.9	4.5	5.0	5.0	5.0	5.0	5.3	5.5	5.8
-48.75°	3.0	3.2	3.7	4.3	4.8	5.0	5.0	5.0	5.1	5.4	5.6
-50°	2.9	3.2	3.5	4.1	4.6	5.0	5.0	5.0	5.0	5.2	5.5
-51.25°	2.8	3.1	3.4	3.9	4.4	4.9	5.0	5.0	5.0	5.1	5.3
-52.5°	2.8	3.0	3.2	3.7	4.2	4.7	5.0	5.0	5.0	5.0	5.2
-53.75°	2.7	2.9	3.1	3.5	4.0	4.4	4.9	5.0	5.0	5.0	5.1
-55°	2.6	2.8	3.1	3.3	3.7	4.2	4.7	5.0	5.0	5.0	5.0
-56.25°	2.5	2.7	3.0	3.2	3.5	3.9	4.4	4.8	5.0	5.0	5.0
-57.5°	2.4	2.7	2.9	3.1	3.3	3.7	4.1	4.6	5.0	5.0	5.0
-58.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.9	4.3	4.7	5.0	5.0
-60°	2.3	2.5	2.7	2.9	3.1	3.3	3.6	4.0	4.4	4.8	5.0
-61.25°	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.7	4.1	4.5	4.9
-62.5°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.8	4.2	4.5
-63.75°	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.2	3.5	3.8	4.2
-65°	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.2	3.5	3.8
-66.25°	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.5
-67.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1	3.2
-68.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1
-70°	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
-71.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
-72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
-76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
-77.5°	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
-80°	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
-81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	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	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1
83.75°	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3
82.5°	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
81.25°	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	1.9
80°	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2
78.75°	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4
77.5°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7
76.25°	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9
75°	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2
73.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.4	3.5
72.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.7	3.9	4.1
71.25°	2.8	2.9	3.1	3.2	3.3	3.5	3.7	4.0	4.2	4.4	4.6
70°	3.0	3.1	3.3	3.4	3.7	3.9	4.2	4.4	4.7	4.9	5.0
68.75°	3.2	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.0	5.0	5.0
67.5°	3.4	3.7	4.0	4.3	4.6	4.8	5.0	5.0	5.0	5.0	5.0
66.25°	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0
65°	4.2	4.5	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2
63.75°	4.5	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.5
62.5°	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.4	5.6	5.7
61.25°	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.5	5.6	5.8	6.0
60°	5.0	5.0	5.0	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.2
58.75°	5.0	5.0	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
57.5°	5.0	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
56.25°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
55°	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.8	7.0	7.2
53.75°	5.3	5.5	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.4
52.5°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.1	7.3	7.5	7.7
51.25°	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.3	7.5	7.7	7.9
50°	5.7	6.0	6.2	6.5	6.8	7.0	7.2	7.4	7.7	7.9	8.1
48.75°	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.3
47.5°	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.1	8.3	8.6
46.25°	6.2	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.5	8.8
45°	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.8	9.0
43.75°	6.5	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.3
42.5°	6.7	6.9	7.2	7.5	7.8	8.0	8.3	8.6	8.9	9.2	9.5
41.25°	6.8	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6
40°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.8
38.75°	7.1	7.4	7.6	7.9	8.2	8.5	8.9	9.2	9.5	9.8	10.0
37.5°	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.4	9.6	9.9	10.2
36.25°	7.3	7.6	7.9	8.2	8.5	8.9	9.2	9.5	9.8	10.1	10.4
35°	7.4	7.7	8.0	8.4	8.7	9.0	9.4	9.7	10.0	10.3	10.6



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	7.5	7.8	8.2	8.5	8.9	9.2	9.5	9.8	10.1	10.4	10.7
32.5°	7.6	8.0	8.3	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9
31.25°	7.7	8.1	8.4	8.8	9.1	9.5	9.8	10.1	10.4	10.8	11.1
30°	7.8	8.2	8.5	8.9	9.3	9.6	9.9	10.3	10.6	10.9	11.3
28.75°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.1	11.4
27.5°	8.0	8.4	8.8	9.2	9.5	9.8	10.2	10.5	10.9	11.2	11.6
26.25°	8.1	8.5	8.9	9.3	9.6	10.0	10.3	10.6	11.0	11.4	11.8
25°	8.2	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.2	11.5	11.9
23.75°	8.3	8.7	9.1	9.5	9.8	10.2	10.5	10.9	11.3	11.7	12.0
22.5°	8.4	8.8	9.2	9.6	9.9	10.3	10.6	11.0	11.4	11.8	12.2
21.25°	8.5	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
20°	8.6	9.0	9.4	9.7	10.1	10.5	10.8	11.3	11.7	12.0	12.4
18.75°	8.6	9.1	9.4	9.8	10.2	10.6	10.9	11.4	11.8	12.1	12.5
17.5°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.5	11.9	12.2	12.5
16.25°	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.6	11.9	12.3	12.5
15°	8.8	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.5
13.75°	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.5
12.5°	8.9	9.4	9.8	10.1	10.5	10.9	11.4	11.8	12.2	12.5	12.5
11.25°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.5	12.5
10°	9.0	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.5	12.5
8.75°	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.5	12.5
7.5°	9.1	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.5	12.5
6.25°	9.1	9.5	9.9	10.3	10.7	11.2	11.6	12.0	12.4	12.5	12.5
5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.5	12.5
3.75°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
2.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
1.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
0°	9.2	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.5	12.5
-1.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
-2.5°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
-3.75°	9.2	9.6	10.0	10.4	10.8	11.2	11.7	12.1	12.5	12.5	12.5
-5°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.5	12.5
-6.25°	9.1	9.5	9.9	10.3	10.7	11.2	11.6	12.0	12.4	12.5	12.5
-7.5°	9.1	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.5	12.5
-8.75°	9.1	9.5	9.9	10.3	10.7	11.1	11.5	11.9	12.3	12.5	12.5
-10°	9.0	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.5	12.5
-11.25°	9.0	9.4	9.8	10.2	10.6	11.0	11.4	11.8	12.2	12.5	12.5
-12.5°	8.9	9.4	9.8	10.1	10.5	10.9	11.4	11.8	12.2	12.5	12.5
-13.75°	8.9	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.5	12.5
-15°	8.8	9.3	9.6	10.0	10.4	10.8	11.2	11.6	12.0	12.4	12.5
-16.25°	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.6	11.9	12.3	12.5
-17.5°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.5	11.9	12.2	12.5
-18.75°	8.6	9.1	9.4	9.8	10.2	10.6	10.9	11.4	11.8	12.1	12.5
-20°	8.6	9.0	9.4	9.7	10.1	10.5	10.8	11.3	11.7	12.0	12.4
-21.25°	8.5	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3





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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°	8.4	8.8	9.2	9.6	9.9	10.3	10.6	11.0	11.4	11.8	12.2
-23.75°	8.3	8.7	9.1	9.5	9.8	10.2	10.5	10.9	11.3	11.7	12.0
-25°	8.2	8.6	9.0	9.4	9.7	10.1	10.4	10.8	11.2	11.5	11.9
-26.25°	8.1	8.5	8.9	9.3	9.6	10.0	10.3	10.6	11.0	11.4	11.8
-27.5°	8.0	8.4	8.8	9.2	9.5	9.8	10.2	10.5	10.9	11.2	11.6
-28.75°	7.9	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.1	11.4
-30°	7.8	8.2	8.5	8.9	9.3	9.6	9.9	10.3	10.6	10.9	11.3
-31.25°	7.7	8.1	8.4	8.8	9.1	9.5	9.8	10.1	10.4	10.8	11.1
-32.5°	7.6	8.0	8.3	8.6	9.0	9.3	9.7	10.0	10.3	10.6	10.9
-33.75°	7.5	7.8	8.2	8.5	8.9	9.2	9.5	9.8	10.1	10.4	10.7
-35°	7.4	7.7	8.0	8.4	8.7	9.0	9.4	9.7	10.0	10.3	10.6
-36.25°	7.3	7.6	7.9	8.2	8.5	8.9	9.2	9.5	9.8	10.1	10.4
-37.5°	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.4	9.6	9.9	10.2
-38.75°	7.1	7.4	7.6	7.9	8.2	8.5	8.9	9.2	9.5	9.8	10.0
-40°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.8
-41.25°	6.8	7.1	7.4	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6
-42.5°	6.7	6.9	7.2	7.5	7.8	8.0	8.3	8.6	8.9	9.2	9.5
-43.75°	6.5	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.7	9.0	9.3
-45°	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.8	9.0
-46.25°	6.2	6.5	6.8	7.0	7.3	7.5	7.8	8.0	8.3	8.5	8.8
-47.5°	6.0	6.3	6.6	6.9	7.1	7.4	7.6	7.8	8.1	8.3	8.6
-48.75°	5.9	6.2	6.4	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.3
-50°	5.7	6.0	6.2	6.5	6.8	7.0	7.2	7.4	7.7	7.9	8.1
-51.25°	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.3	7.5	7.7	7.9
-52.5°	5.4	5.6	5.9	6.1	6.4	6.6	6.8	7.1	7.3	7.5	7.7
-53.75°	5.3	5.5	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.4
-55°	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6	6.8	7.0	7.2
-56.25°	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
-57.5°	5.0	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8
-58.75°	5.0	5.0	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3	6.5
-60°	5.0	5.0	5.0	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.2
-61.25°	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.5	5.6	5.8	6.0
-62.5°	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.4	5.6	5.7
-63.75°	4.5	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.5
-65°	4.2	4.5	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2
-66.25°	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-67.5°	3.4	3.7	4.0	4.3	4.6	4.8	5.0	5.0	5.0	5.0	5.0
-68.75°	3.2	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.0	5.0	5.0
-70°	3.0	3.1	3.3	3.4	3.7	3.9	4.2	4.4	4.7	4.9	5.0
-71.25°	2.8	2.9	3.1	3.2	3.3	3.5	3.7	4.0	4.2	4.4	4.6
-72.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.5	3.7	3.9	4.1
-73.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.4	3.5
-75°	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2
-76.25°	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9
-77.5°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4
-80°	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2
-81.25°	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	1.9
-82.5°	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
-83.75°	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3
-85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	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	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
85°	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
81.25°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4
80°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7
78.75°	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	2.9	3.0
77.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3
76.25°	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0
75°	3.2	3.3	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
73.75°	3.7	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.0	5.0	5.0
72.5°	4.3	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
71.25°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.3
68.75°	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6
67.5°	5.0	5.0	5.1	5.2	5.3	5.4	5.6	5.7	5.8	5.9	6.0
66.25°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	6.0	6.1	6.2	6.3
65°	5.4	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.4	6.6	6.7
63.75°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
62.5°	5.9	6.0	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3
61.25°	6.2	6.3	6.5	6.7	6.8	6.9	7.1	7.2	7.4	7.5	7.6
60°	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	7.9
58.75°	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2
57.5°	6.9	7.1	7.3	7.4	7.6	7.8	7.9	8.1	8.2	8.4	8.5
56.25°	7.2	7.4	7.5	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.9
55°	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.7	8.9	9.0	9.2
53.75°	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5
52.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6	9.8
51.25°	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1
50°	8.3	8.6	8.8	9.0	9.3	9.5	9.6	9.8	10.0	10.2	10.4
48.75°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
47.5°	8.8	9.1	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0
46.25°	9.1	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.1	11.3
45°	9.3	9.5	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.4	11.6
43.75°	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.2	11.4	11.7	11.9
42.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	12.0	12.2
41.25°	9.9	10.2	10.4	10.7	10.9	11.2	11.5	11.8	12.0	12.2	12.4
40°	10.1	10.4	10.6	10.9	11.2	11.5	11.8	12.0	12.2	12.5	12.5
38.75°	10.3	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.5	12.5
37.5°	10.5	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.5	12.5	12.5
36.25°	10.7	11.0	11.3	11.6	11.9	12.2	12.4	12.5	12.5	12.5	12.7
35°	10.9	11.2	11.5	11.8	12.1	12.4	12.5	12.5	12.5	12.7	12.9



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	11.1	11.4	11.7	12.0	12.3	12.5	12.5	12.5	12.6	12.9	13.2
32.5°	11.3	11.6	11.9	12.2	12.5	12.5	12.5	12.6	12.9	13.1	13.4
31.25°	11.5	11.8	12.1	12.4	12.5	12.5	12.5	12.8	13.1	13.4	13.7
30°	11.6	12.0	12.3	12.5	12.5	12.5	12.7	13.0	13.3	13.6	13.9
28.75°	11.8	12.1	12.4	12.5	12.5	12.6	12.9	13.2	13.5	13.9	14.2
27.5°	12.0	12.3	12.5	12.5	12.5	12.8	13.1	13.4	13.8	14.1	14.4
26.25°	12.1	12.4	12.5	12.5	12.6	12.9	13.3	13.6	14.0	14.3	14.6
25°	12.2	12.5	12.5	12.5	12.8	13.1	13.5	13.8	14.2	14.5	14.8
23.75°	12.4	12.5	12.5	12.6	12.9	13.3	13.7	14.0	14.4	14.7	15.1
22.5°	12.5	12.5	12.5	12.8	13.1	13.5	13.8	14.2	14.6	14.9	15.5
21.25°	12.5	12.5	12.5	12.9	13.2	13.6	14.0	14.4	14.7	15.1	15.8
20°	12.5	12.5	12.7	13.0	13.4	13.8	14.2	14.5	14.9	15.5	16.2
18.75°	12.5	12.5	12.8	13.2	13.5	13.9	14.3	14.7	15.1	15.8	16.6
17.5°	12.5	12.5	12.9	13.3	13.7	14.1	14.5	14.8	15.4	16.1	17.0
16.25°	12.5	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.7	16.4	17.4
15°	12.5	12.7	13.1	13.5	13.9	14.3	14.7	15.2	15.9	16.7	17.9
13.75°	12.5	12.8	13.2	13.6	14.0	14.4	14.8	15.4	16.2	17.1	18.3
12.5°	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.6	16.4	17.5	18.6
11.25°	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.8	16.6	17.8	19.0
10°	12.7	13.0	13.5	13.9	14.3	14.7	15.2	16.0	16.9	18.1	19.4
8.75°	12.7	13.1	13.5	14.0	14.4	14.8	15.3	16.2	17.1	18.3	19.9
7.5°	12.8	13.2	13.6	14.0	14.4	14.8	15.5	16.3	17.3	18.6	20.4
6.25°	12.8	13.2	13.6	14.1	14.5	14.9	15.6	16.4	17.5	18.8	20.8
5°	12.8	13.2	13.7	14.1	14.5	14.9	15.7	16.5	17.7	18.9	21.1
3.75°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.6	17.8	19.0	21.4
2.5°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.7	17.9	19.1	21.6
1.25°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.7	17.9	19.2	21.7
0°	12.9	13.3	13.8	14.2	14.6	15.0	15.9	16.7	18.0	19.2	21.7
-1.25°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.7	17.9	19.2	21.7
-2.5°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.7	17.9	19.1	21.6
-3.75°	12.9	13.3	13.7	14.2	14.6	15.0	15.8	16.6	17.8	19.0	21.4
-5°	12.8	13.2	13.7	14.1	14.5	14.9	15.7	16.5	17.7	18.9	21.1
-6.25°	12.8	13.2	13.6	14.1	14.5	14.9	15.6	16.4	17.5	18.8	20.8
-7.5°	12.8	13.2	13.6	14.0	14.4	14.8	15.5	16.3	17.3	18.6	20.4
-8.75°	12.7	13.1	13.5	14.0	14.4	14.8	15.3	16.2	17.1	18.3	19.9
-10°	12.7	13.0	13.5	13.9	14.3	14.7	15.2	16.0	16.9	18.1	19.4
-11.25°	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.8	16.6	17.8	19.0
-12.5°	12.5	12.9	13.3	13.7	14.1	14.5	14.9	15.6	16.4	17.5	18.6
-13.75°	12.5	12.8	13.2	13.6	14.0	14.4	14.8	15.4	16.2	17.1	18.3
-15°	12.5	12.7	13.1	13.5	13.9	14.3	14.7	15.2	15.9	16.7	17.9
-16.25°	12.5	12.6	13.0	13.4	13.8	14.2	14.6	15.0	15.7	16.4	17.4
-17.5°	12.5	12.5	12.9	13.3	13.7	14.1	14.5	14.8	15.4	16.1	17.0
-18.75°	12.5	12.5	12.8	13.2	13.5	13.9	14.3	14.7	15.1	15.8	16.6
-20°	12.5	12.5	12.7	13.0	13.4	13.8	14.2	14.5	14.9	15.5	16.2
-21.25°	12.5	12.5	12.5	12.9	13.2	13.6	14.0	14.4	14.7	15.1	15.8



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	12.5	12.5	12.5	12.8	13.1	13.5	13.8	14.2	14.6	14.9	15.5
-23.75°	12.4	12.5	12.5	12.6	12.9	13.3	13.7	14.0	14.4	14.7	15.1
-25°	12.2	12.5	12.5	12.5	12.8	13.1	13.5	13.8	14.2	14.5	14.8
-26.25°	12.1	12.4	12.5	12.5	12.6	12.9	13.3	13.6	14.0	14.3	14.6
-27.5°	12.0	12.3	12.5	12.5	12.5	12.8	13.1	13.4	13.8	14.1	14.4
-28.75°	11.8	12.1	12.4	12.5	12.5	12.6	12.9	13.2	13.5	13.9	14.2
-30°	11.6	12.0	12.3	12.5	12.5	12.5	12.7	13.0	13.3	13.6	13.9
-31.25°	11.5	11.8	12.1	12.4	12.5	12.5	12.5	12.8	13.1	13.4	13.7
-32.5°	11.3	11.6	11.9	12.2	12.5	12.5	12.5	12.6	12.9	13.1	13.4
-33.75°	11.1	11.4	11.7	12.0	12.3	12.5	12.5	12.5	12.6	12.9	13.2
-35°	10.9	11.2	11.5	11.8	12.1	12.4	12.5	12.5	12.5	12.7	12.9
-36.25°	10.7	11.0	11.3	11.6	11.9	12.2	12.4	12.5	12.5	12.5	12.7
-37.5°	10.5	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.5	12.5	12.5
-38.75°	10.3	10.6	10.8	11.1	11.4	11.7	12.0	12.2	12.5	12.5	12.5
-40°	10.1	10.4	10.6	10.9	11.2	11.5	11.8	12.0	12.2	12.5	12.5
-41.25°	9.9	10.2	10.4	10.7	10.9	11.2	11.5	11.8	12.0	12.2	12.4
-42.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7	12.0	12.2
-43.75°	9.5	9.7	10.0	10.2	10.5	10.7	10.9	11.2	11.4	11.7	11.9
-45°	9.3	9.5	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.4	11.6
-46.25°	9.1	9.3	9.5	9.8	10.0	10.2	10.4	10.6	10.8	11.1	11.3
-47.5°	8.8	9.1	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0
-48.75°	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7
-50°	8.3	8.6	8.8	9.0	9.3	9.5	9.6	9.8	10.0	10.2	10.4
-51.25°	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1
-52.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6	9.8
-53.75°	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.5
-55°	7.4	7.6	7.8	8.0	8.1	8.3	8.5	8.7	8.9	9.0	9.2
-56.25°	7.2	7.4	7.5	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.9
-57.5°	6.9	7.1	7.3	7.4	7.6	7.8	7.9	8.1	8.2	8.4	8.5
-58.75°	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9	8.1	8.2
-60°	6.4	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	7.9
-61.25°	6.2	6.3	6.5	6.7	6.8	6.9	7.1	7.2	7.4	7.5	7.6
-62.5°	5.9	6.0	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3
-63.75°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
-65°	5.4	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.4	6.6	6.7
-66.25°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	6.0	6.1	6.2	6.3
-67.5°	5.0	5.0	5.1	5.2	5.3	5.4	5.6	5.7	5.8	5.9	6.0
-68.75°	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6
-70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.3
-71.25°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-72.5°	4.3	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-73.75°	3.7	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.0	5.0	5.0
-75°	3.2	3.3	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7
-76.25°	3.0	3.1	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0
-77.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	2.9	3.0
-80°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7
-81.25°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4
-82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
-83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
-85°	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
-86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6
83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3
81.25°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
80°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1
78.75°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6
77.5°	3.4	3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.3
76.25°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.0
75°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.4
71.25°	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7
70°	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1
68.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.5
67.5°	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.9
66.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3
65°	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.7
63.75°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9	8.0
62.5°	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
61.25°	7.7	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
60°	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2
58.75°	8.4	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6
57.5°	8.7	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.7	9.8	9.9
56.25°	9.0	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
55°	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6
53.75°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.6	10.8	10.9	11.0
52.5°	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.2	11.3	11.4
51.25°	10.3	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
50°	10.6	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.0	12.2
48.75°	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.1	12.2	12.4	12.5
47.5°	11.2	11.4	11.6	11.8	12.0	12.1	12.3	12.4	12.5	12.5	12.5
46.25°	11.5	11.7	11.9	12.1	12.3	12.4	12.5	12.5	12.5	12.5	12.5
45°	11.8	12.0	12.2	12.4	12.5	12.5	12.5	12.5	12.5	12.6	12.8
43.75°	12.1	12.3	12.5	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.1
42.5°	12.4	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.1	13.3	13.5
41.25°	12.5	12.5	12.5	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8
40°	12.5	12.5	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2
38.75°	12.5	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6
37.5°	12.7	12.9	13.1	13.4	13.6	13.9	14.1	14.3	14.5	14.7	14.9
36.25°	12.9	13.2	13.4	13.7	13.9	14.2	14.4	14.6	14.8	15.1	15.5
35°	13.2	13.5	13.7	14.0	14.3	14.5	14.7	14.9	15.3	15.7	16.1



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	13.5	13.7	14.0	14.3	14.5	14.8	15.0	15.5	16.0	16.4	16.9
32.5°	13.7	14.0	14.3	14.6	14.8	15.1	15.6	16.1	16.6	17.2	17.9
31.25°	14.0	14.3	14.6	14.8	15.2	15.7	16.2	16.8	17.5	18.2	18.9
30°	14.3	14.5	14.8	15.2	15.7	16.3	16.9	17.7	18.4	19.1	20.5
28.75°	14.5	14.8	15.1	15.7	16.3	16.9	17.7	18.5	19.4	20.9	22.4
27.5°	14.7	15.0	15.6	16.2	16.9	17.7	18.6	19.6	21.2	22.8	24.3
26.25°	14.9	15.5	16.1	16.8	17.7	18.5	19.6	21.3	22.9	24.7	27.1
25°	15.3	16.0	16.6	17.5	18.4	19.4	21.2	22.9	24.9	27.4	29.8
23.75°	15.7	16.4	17.2	18.2	19.1	20.9	22.8	24.7	27.4	29.9	33.1
22.5°	16.1	16.9	17.9	18.9	20.5	22.4	24.3	27.1	29.8	33.1	38.3
21.25°	16.5	17.5	18.5	19.8	21.8	23.8	26.5	29.3	32.5	38.0	43.3
20°	17.0	18.1	19.1	21.1	23.1	25.6	28.6	31.5	37.1	42.7	49.1
18.75°	17.6	18.6	20.2	22.3	24.5	27.6	30.6	35.5	41.4	47.5	57.1
17.5°	18.1	19.2	21.3	23.4	26.3	29.4	33.3	39.5	45.6	54.7	71.5
16.25°	18.6	20.1	22.3	24.7	27.9	31.2	37.0	43.3	51.4	66.0	94.4
15°	19.0	21.1	23.3	26.2	29.5	33.9	40.4	47.0	58.4	81.2	121.7
13.75°	19.6	21.9	24.2	27.6	31.0	37.0	43.7	52.6	69.7	104.2	152.2
12.5°	20.4	22.7	25.5	28.9	33.1	39.9	46.7	58.9	84.4	129.0	177.2
11.25°	21.1	23.5	26.6	30.1	35.6	42.5	51.2	68.1	103.3	154.2	198.9
10°	21.8	24.1	27.7	31.2	37.9	44.9	55.3	77.2	122.5	174.2	213.6
8.75°	22.3	25.0	28.6	32.7	39.9	47.3	61.3	91.9	142.1	191.2	226.6
7.5°	22.8	25.8	29.4	34.4	41.7	50.4	67.6	104.8	159.3	204.4	238.0
6.25°	23.2	26.4	30.1	35.9	43.2	53.0	73.0	116.5	171.7	213.7	247.8
5°	23.6	27.0	30.7	37.1	44.4	55.2	79.0	128.1	181.8	221.4	256.0
3.75°	23.9	27.4	31.1	38.0	45.4	57.1	85.7	137.2	189.7	227.4	262.4
2.5°	24.0	27.7	31.4	38.7	46.1	59.5	90.6	143.7	195.3	231.8	267.0
1.25°	24.2	27.9	31.6	39.1	46.6	60.9	93.6	147.6	198.8	234.4	269.8
0°	24.2	28.0	31.7	39.2	46.7	61.4	94.6	148.9	199.9	235.3	270.7
-1.25°	24.2	27.9	31.6	39.1	46.6	60.9	93.6	147.6	198.8	234.4	269.8
-2.5°	24.0	27.7	31.4	38.7	46.1	59.5	90.6	143.7	195.3	231.8	267.0
-3.75°	23.9	27.4	31.1	38.0	45.4	57.1	85.7	137.2	189.7	227.4	262.4
-5°	23.6	27.0	30.7	37.1	44.4	55.2	79.0	128.1	181.8	221.4	256.0
-6.25°	23.2	26.4	30.1	35.9	43.2	53.0	73.0	116.5	171.7	213.7	247.8
-7.5°	22.8	25.8	29.4	34.4	41.7	50.4	67.6	104.8	159.3	204.4	238.0
-8.75°	22.3	25.0	28.6	32.7	39.9	47.3	61.3	91.9	142.1	191.2	226.6
-10°	21.8	24.1	27.7	31.2	37.9	44.9	55.3	77.2	122.5	174.2	213.6
-11.25°	21.1	23.5	26.6	30.1	35.6	42.5	51.2	68.1	103.3	154.2	198.9
-12.5°	20.4	22.7	25.5	28.9	33.1	39.9	46.7	58.9	84.4	129.0	177.2
-13.75°	19.6	21.9	24.2	27.6	31.0	37.0	43.7	52.6	69.7	104.2	152.2
-15°	19.0	21.1	23.3	26.2	29.5	33.9	40.4	47.0	58.4	81.2	121.7
-16.25°	18.6	20.1	22.3	24.7	27.9	31.2	37.0	43.3	51.4	66.0	94.4
-17.5°	18.1	19.2	21.3	23.4	26.3	29.4	33.3	39.5	45.6	54.7	71.5
-18.75°	17.6	18.6	20.2	22.3	24.5	27.6	30.6	35.5	41.4	47.5	57.1
-20°	17.0	18.1	19.1	21.1	23.1	25.6	28.6	31.5	37.1	42.7	49.1
-21.25°	16.5	17.5	18.5	19.8	21.8	23.8	26.5	29.3	32.5	38.0	43.3





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**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	16.1	16.9	17.9	18.9	20.5	22.4	24.3	27.1	29.8	33.1	38.3
-23.75°	15.7	16.4	17.2	18.2	19.1	20.9	22.8	24.7	27.4	29.9	33.1
-25°	15.3	16.0	16.6	17.5	18.4	19.4	21.2	22.9	24.9	27.4	29.8
-26.25°	14.9	15.5	16.1	16.8	17.7	18.5	19.6	21.3	22.9	24.7	27.1
-27.5°	14.7	15.0	15.6	16.2	16.9	17.7	18.6	19.6	21.2	22.8	24.3
-28.75°	14.5	14.8	15.1	15.7	16.3	16.9	17.7	18.5	19.4	20.9	22.4
-30°	14.3	14.5	14.8	15.2	15.7	16.3	16.9	17.7	18.4	19.1	20.5
-31.25°	14.0	14.3	14.6	14.8	15.2	15.7	16.2	16.8	17.5	18.2	18.9
-32.5°	13.7	14.0	14.3	14.6	14.8	15.1	15.6	16.1	16.6	17.2	17.9
-33.75°	13.5	13.7	14.0	14.3	14.5	14.8	15.0	15.5	16.0	16.4	16.9
-35°	13.2	13.5	13.7	14.0	14.3	14.5	14.7	14.9	15.3	15.7	16.1
-36.25°	12.9	13.2	13.4	13.7	13.9	14.2	14.4	14.6	14.8	15.1	15.5
-37.5°	12.7	12.9	13.1	13.4	13.6	13.9	14.1	14.3	14.5	14.7	14.9
-38.75°	12.5	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6
-40°	12.5	12.5	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2
-41.25°	12.5	12.5	12.5	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.8
-42.5°	12.4	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.1	13.3	13.5
-43.75°	12.1	12.3	12.5	12.5	12.5	12.5	12.5	12.6	12.8	12.9	13.1
-45°	11.8	12.0	12.2	12.4	12.5	12.5	12.5	12.5	12.5	12.6	12.8
-46.25°	11.5	11.7	11.9	12.1	12.3	12.4	12.5	12.5	12.5	12.5	12.5
-47.5°	11.2	11.4	11.6	11.8	12.0	12.1	12.3	12.4	12.5	12.5	12.5
-48.75°	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.1	12.2	12.4	12.5
-50°	10.6	10.7	10.9	11.1	11.3	11.4	11.6	11.8	11.9	12.0	12.2
-51.25°	10.3	10.4	10.6	10.8	10.9	11.1	11.2	11.4	11.5	11.7	11.8
-52.5°	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.2	11.3	11.4
-53.75°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.6	10.8	10.9	11.0
-55°	9.4	9.5	9.7	9.8	9.9	10.1	10.2	10.3	10.4	10.5	10.6
-56.25°	9.0	9.2	9.3	9.5	9.6	9.7	9.8	10.0	10.1	10.2	10.3
-57.5°	8.7	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.7	9.8	9.9
-58.75°	8.4	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.4	9.5	9.6
-60°	8.0	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.2
-61.25°	7.7	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-62.5°	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-63.75°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	7.9	8.0
-65°	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.7
-66.25°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.2	7.3
-67.5°	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	6.9
-68.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4	6.5	6.5
-70°	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.1
-71.25°	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7
-72.5°	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.4
-73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.0
-77.5°	3.4	3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.3



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6
-80°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1
-81.25°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
-82.5°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3
-83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
-85°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6
-86.25°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
82.5°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
81.25°	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
80°	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3
78.75°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1
77.5°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9
76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3
72.5°	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7
71.25°	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2
70°	6.2	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.6
68.75°	6.6	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0
67.5°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4
66.25°	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8
65°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.1	8.2	8.2
63.75°	8.1	8.2	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.6
62.5°	8.5	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
61.25°	8.9	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.4	9.5
60°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.8	9.9
58.75°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3
57.5°	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.6	10.7
56.25°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
55°	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
53.75°	11.1	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9
52.5°	11.5	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
51.25°	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.5	12.5	12.5
50°	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
48.75°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.7	12.7
47.5°	12.5	12.5	12.5	12.5	12.6	12.7	12.8	12.9	13.0	13.0	13.1
46.25°	12.5	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.5
45°	12.9	13.0	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0
43.75°	13.2	13.4	13.5	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
42.5°	13.6	13.8	13.9	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8
41.25°	14.0	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0	15.2	15.3
40°	14.4	14.5	14.7	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2
38.75°	14.7	14.9	15.1	15.4	15.7	15.9	16.2	16.4	16.6	16.9	17.1
37.5°	15.1	15.5	15.8	16.1	16.4	16.7	17.1	17.5	17.8	18.1	18.3
36.25°	15.8	16.2	16.6	17.0	17.4	17.9	18.3	18.6	19.0	19.4	19.9
35°	16.5	17.0	17.6	18.1	18.6	19.0	19.6	20.4	21.1	21.8	22.3



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	17.5	18.1	18.6	19.2	20.1	21.1	21.9	22.7	23.5	24.1	25.0
32.5°	18.5	19.1	20.2	21.3	22.3	23.3	24.2	25.5	26.6	27.7	28.6
31.25°	19.8	21.1	22.3	23.4	24.7	26.2	27.6	28.9	30.1	31.2	32.7
30°	21.8	23.1	24.5	26.3	27.9	29.5	31.0	33.1	35.6	37.9	39.9
28.75°	23.8	25.6	27.6	29.4	31.2	33.9	37.0	39.9	42.5	44.9	47.3
27.5°	26.5	28.6	30.6	33.3	37.0	40.4	43.7	46.7	51.2	55.3	61.3
26.25°	29.3	31.5	35.5	39.5	43.3	47.0	52.6	58.9	68.1	77.2	91.9
25°	32.5	37.1	41.4	45.6	51.4	58.4	69.7	84.4	103.3	122.5	142.1
23.75°	38.0	42.7	47.5	54.7	66.0	81.2	104.2	129.0	154.2	174.2	191.2
22.5°	43.3	49.1	57.1	71.5	94.4	121.7	152.2	177.2	198.9	213.6	226.6
21.25°	49.7	59.3	74.9	103.2	136.1	168.3	194.6	213.9	230.4	245.6	259.3
20°	59.3	76.1	107.7	144.8	178.1	205.2	225.1	243.8	261.3	280.1	300.9
18.75°	74.9	107.7	147.7	183.0	210.7	232.7	253.6	274.4	300.7	325.0	347.0
17.5°	103.2	144.8	183.0	212.6	236.5	259.5	286.1	315.8	343.6	369.2	404.6
16.25°	136.1	178.1	210.7	236.5	261.5	292.0	325.0	356.2	393.4	436.8	492.8
15°	168.3	205.2	232.7	259.5	292.0	328.0	362.6	409.2	467.7	534.6	621.1
13.75°	194.6	225.1	253.6	286.1	325.0	362.6	414.6	483.5	570.2	673.6	805.1
12.5°	213.9	243.8	274.4	315.8	356.2	409.2	483.5	582.2	709.3	864.0	1056.3
11.25°	230.4	261.3	300.7	343.6	393.4	467.7	570.2	709.3	889.9	1110.6	1365.9
10°	245.6	280.1	325.0	369.2	436.8	534.6	673.6	864.0	1110.6	1401.9	1707.4
8.75°	259.3	300.9	347.0	404.6	492.8	621.1	805.1	1056.3	1365.9	1707.4	2041.1
7.5°	271.6	319.3	366.5	438.0	549.2	714.0	949.8	1259.5	1621.3	1994.4	2345.2
6.25°	286.6	335.2	390.0	479.0	612.4	810.8	1092.5	1453.3	1857.1	2249.6	2607.8
5°	299.0	348.4	412.6	513.3	666.5	906.8	1237.6	1638.0	2060.4	2464.4	2822.3
3.75°	308.8	358.8	430.4	545.1	726.6	995.7	1357.8	1786.6	2222.9	2628.7	2987.4
2.5°	315.9	366.3	445.7	573.5	770.2	1060.5	1446.8	1896.3	2339.7	2746.6	3110.3
1.25°	320.1	370.9	456.8	590.7	796.7	1099.8	1507.3	1963.4	2411.5	2819.5	3183.9
0°	321.6	372.4	460.5	596.5	805.6	1113.0	1527.6	1986.0	2435.7	2844.1	3208.4
-1.25°	320.1	370.9	456.8	590.7	796.7	1099.8	1507.3	1963.4	2411.5	2819.5	3183.9
-2.5°	315.9	366.3	445.7	573.5	770.2	1060.5	1446.8	1896.3	2339.7	2746.6	3110.3
-3.75°	308.8	358.8	430.4	545.1	726.6	995.7	1357.8	1786.6	2222.9	2628.7	2987.4
-5°	299.0	348.4	412.6	513.3	666.5	906.8	1237.6	1638.0	2060.4	2464.4	2822.3
-6.25°	286.6	335.2	390.0	479.0	612.4	810.8	1092.5	1453.3	1857.1	2249.6	2607.8
-7.5°	271.6	319.3	366.5	438.0	549.2	714.0	949.8	1259.5	1621.3	1994.4	2345.2
-8.75°	259.3	300.9	347.0	404.6	492.8	621.1	805.1	1056.3	1365.9	1707.4	2041.1
-10°	245.6	280.1	325.0	369.2	436.8	534.6	673.6	864.0	1110.6	1401.9	1707.4
-11.25°	230.4	261.3	300.7	343.6	393.4	467.7	570.2	709.3	889.9	1110.6	1365.9
-12.5°	213.9	243.8	274.4	315.8	356.2	409.2	483.5	582.2	709.3	864.0	1056.3
-13.75°	194.6	225.1	253.6	286.1	325.0	362.6	414.6	483.5	570.2	673.6	805.1
-15°	168.3	205.2	232.7	259.5	292.0	328.0	362.6	409.2	467.7	534.6	621.1
-16.25°	136.1	178.1	210.7	236.5	261.5	292.0	325.0	356.2	393.4	436.8	492.8
-17.5°	103.2	144.8	183.0	212.6	236.5	259.5	286.1	315.8	343.6	369.2	404.6
-18.75°	74.9	107.7	147.7	183.0	210.7	232.7	253.6	274.4	300.7	325.0	347.0
-20°	59.3	76.1	107.7	144.8	178.1	205.2	225.1	243.8	261.3	280.1	300.9
-21.25°	49.7	59.3	74.9	103.2	136.1	168.3	194.6	213.9	230.4	245.6	259.3



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	43.3	49.1	57.1	71.5	94.4	121.7	152.2	177.2	198.9	213.6	226.6
-23.75°	38.0	42.7	47.5	54.7	66.0	81.2	104.2	129.0	154.2	174.2	191.2
-25°	32.5	37.1	41.4	45.6	51.4	58.4	69.7	84.4	103.3	122.5	142.1
-26.25°	29.3	31.5	35.5	39.5	43.3	47.0	52.6	58.9	68.1	77.2	91.9
-27.5°	26.5	28.6	30.6	33.3	37.0	40.4	43.7	46.7	51.2	55.3	61.3
-28.75°	23.8	25.6	27.6	29.4	31.2	33.9	37.0	39.9	42.5	44.9	47.3
-30°	21.8	23.1	24.5	26.3	27.9	29.5	31.0	33.1	35.6	37.9	39.9
-31.25°	19.8	21.1	22.3	23.4	24.7	26.2	27.6	28.9	30.1	31.2	32.7
-32.5°	18.5	19.1	20.2	21.3	22.3	23.3	24.2	25.5	26.6	27.7	28.6
-33.75°	17.5	18.1	18.6	19.2	20.1	21.1	21.9	22.7	23.5	24.1	25.0
-35°	16.5	17.0	17.6	18.1	18.6	19.0	19.6	20.4	21.1	21.8	22.3
-36.25°	15.8	16.2	16.6	17.0	17.4	17.9	18.3	18.6	19.0	19.4	19.9
-37.5°	15.1	15.5	15.8	16.1	16.4	16.7	17.1	17.5	17.8	18.1	18.3
-38.75°	14.7	14.9	15.1	15.4	15.7	15.9	16.2	16.4	16.6	16.9	17.1
-40°	14.4	14.5	14.7	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2
-41.25°	14.0	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0	15.2	15.3
-42.5°	13.6	13.8	13.9	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8
-43.75°	13.2	13.4	13.5	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4
-45°	12.9	13.0	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0
-46.25°	12.5	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.5
-47.5°	12.5	12.5	12.5	12.5	12.6	12.7	12.8	12.9	13.0	13.0	13.1
-48.75°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.6	12.7	12.7
-50°	12.3	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
-51.25°	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.5	12.5	12.5
-52.5°	11.5	11.7	11.8	11.9	11.9	12.0	12.1	12.2	12.2	12.3	12.3
-53.75°	11.1	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9
-55°	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
-56.25°	10.4	10.5	10.6	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1
-57.5°	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6	10.6	10.7
-58.75°	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.1	10.2	10.2	10.3
-60°	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.8	9.9
-61.25°	8.9	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.4	9.5
-62.5°	8.5	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
-63.75°	8.1	8.2	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.6
-65°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.1	8.2	8.2
-66.25°	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8
-67.5°	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.4
-68.75°	6.6	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0
-70°	6.2	6.2	6.3	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.6
-71.25°	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.2
-72.5°	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7
-73.75°	5.0	5.1	5.1	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-77.5°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.9	4.9



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0	4.1
-80°	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3
-81.25°	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
-82.5°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	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°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
81.25°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
78.75°	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1
77.5°	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
70°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
68.75°	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
67.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
66.25°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
65°	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
63.75°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
62.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
61.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
60°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
58.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
57.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
56.25°	11.1	11.2	11.2	11.2	11.2	11.2	11.3	11.2	11.2	11.2	11.2
55°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
53.75°	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
52.5°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
51.25°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
48.75°	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8
47.5°	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2
46.25°	13.6	13.6	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
45°	14.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1
43.75°	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.5
42.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
41.25°	15.5	15.6	15.7	15.8	15.8	15.8	15.9	15.8	15.8	15.8	15.7
40°	16.3	16.4	16.5	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5
38.75°	17.3	17.5	17.7	17.8	17.9	17.9	18.0	17.9	17.9	17.8	17.7
37.5°	18.6	18.8	18.9	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.9
36.25°	20.4	20.8	21.1	21.4	21.6	21.7	21.7	21.7	21.6	21.4	21.1
35°	22.8	23.2	23.6	23.9	24.0	24.2	24.2	24.2	24.0	23.9	23.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	25.8	26.4	27.0	27.4	27.7	27.9	28.0	27.9	27.7	27.4	27.0
32.5°	29.4	30.1	30.7	31.1	31.4	31.6	31.7	31.6	31.4	31.1	30.7
31.25°	34.4	35.9	37.1	38.0	38.7	39.1	39.2	39.1	38.7	38.0	37.1
30°	41.7	43.2	44.4	45.4	46.1	46.6	46.7	46.6	46.1	45.4	44.4
28.75°	50.4	53.0	55.2	57.1	59.5	60.9	61.4	60.9	59.5	57.1	55.2
27.5°	67.6	73.0	79.0	85.7	90.6	93.6	94.6	93.6	90.6	85.7	79.0
26.25°	104.8	116.5	128.1	137.2	143.7	147.6	148.9	147.6	143.7	137.2	128.1
25°	159.3	171.7	181.8	189.7	195.3	198.8	199.9	198.8	195.3	189.7	181.8
23.75°	204.4	213.7	221.4	227.4	231.8	234.4	235.3	234.4	231.8	227.4	221.4
22.5°	238.0	247.8	256.0	262.4	267.0	269.8	270.7	269.8	267.0	262.4	256.0
21.25°	271.6	286.6	299.0	308.8	315.9	320.1	321.6	320.1	315.9	308.8	299.0
20°	319.3	335.2	348.4	358.8	366.3	370.9	372.4	370.9	366.3	358.8	348.4
18.75°	366.5	390.0	412.6	430.4	445.7	456.8	460.5	456.8	445.7	430.4	412.6
17.5°	438.0	479.0	513.3	545.1	573.5	590.7	596.5	590.7	573.5	545.1	513.3
16.25°	549.2	612.4	666.5	726.6	770.2	796.7	805.6	796.7	770.2	726.6	666.5
15°	714.0	810.8	906.8	995.7	1060.5	1099.8	1113.0	1099.8	1060.5	995.7	906.8
13.75°	949.8	1092.5	1237.6	1357.8	1446.8	1507.3	1527.6	1507.3	1446.8	1357.8	1237.6
12.5°	1259.5	1453.3	1638.0	1786.6	1896.3	1963.4	1986.0	1963.4	1896.3	1786.6	1638.0
11.25°	1621.3	1857.1	2060.4	2222.9	2339.7	2411.5	2435.7	2411.5	2339.7	2222.9	2060.4
10°	1994.4	2249.6	2464.4	2628.7	2746.6	2819.5	2844.1	2819.5	2746.6	2628.7	2464.4
8.75°	2345.2	2607.8	2822.3	2987.4	3110.3	3183.9	3208.4	3183.9	3110.3	2987.4	2822.3
7.5°	2654.9	2917.4	3137.2	3310.9	3440.9	3517.0	3543.1	3517.0	3440.9	3310.9	3137.2
6.25°	2917.4	3186.1	3417.0	3597.5	3730.9	3811.7	3839.6	3811.7	3730.9	3597.5	3417.0
5°	3137.2	3417.0	3652.8	3840.2	3978.5	4065.5	4096.2	4065.5	3978.5	3840.2	3652.8
3.75°	3310.9	3597.5	3840.2	4035.9	4180.1	4272.3	4298.8	4272.3	4180.1	4035.9	3840.2
2.5°	3440.9	3730.9	3978.5	4180.1	4326.9	4416.4	4444.4	4416.4	4326.9	4180.1	3978.5
1.25°	3517.0	3811.7	4065.5	4272.3	4416.4	4507.2	4541.3	4507.2	4416.4	4272.3	4065.5
0°	3543.1	3839.6	4096.2	4298.8	4444.4	4541.3	4589.4	4541.3	4444.4	4298.8	4096.2
-1.25°	3517.0	3811.7	4065.5	4272.3	4416.4	4507.2	4541.3	4507.2	4416.4	4272.3	4065.5
-2.5°	3440.9	3730.9	3978.5	4180.1	4326.9	4416.4	4444.4	4416.4	4326.9	4180.1	3978.5
-3.75°	3310.9	3597.5	3840.2	4035.9	4180.1	4272.3	4298.8	4272.3	4180.1	4035.9	3840.2
-5°	3137.2	3417.0	3652.8	3840.2	3978.5	4065.5	4096.2	4065.5	3978.5	3840.2	3652.8
-6.25°	2917.4	3186.1	3417.0	3597.5	3730.9	3811.7	3839.6	3811.7	3730.9	3597.5	3417.0
-7.5°	2654.9	2917.4	3137.2	3310.9	3440.9	3517.0	3543.1	3517.0	3440.9	3310.9	3137.2
-8.75°	2345.2	2607.8	2822.3	2987.4	3110.3	3183.9	3208.4	3183.9	3110.3	2987.4	2822.3
-10°	1994.4	2249.6	2464.4	2628.7	2746.6	2819.5	2844.1	2819.5	2746.6	2628.7	2464.4
-11.25°	1621.3	1857.1	2060.4	2222.9	2339.7	2411.5	2435.7	2411.5	2339.7	2222.9	2060.4
-12.5°	1259.5	1453.3	1638.0	1786.6	1896.3	1963.4	1986.0	1963.4	1896.3	1786.6	1638.0
-13.75°	949.8	1092.5	1237.6	1357.8	1446.8	1507.3	1527.6	1507.3	1446.8	1357.8	1237.6
-15°	714.0	810.8	906.8	995.7	1060.5	1099.8	1113.0	1099.8	1060.5	995.7	906.8
-16.25°	549.2	612.4	666.5	726.6	770.2	796.7	805.6	796.7	770.2	726.6	666.5
-17.5°	438.0	479.0	513.3	545.1	573.5	590.7	596.5	590.7	573.5	545.1	513.3
-18.75°	366.5	390.0	412.6	430.4	445.7	456.8	460.5	456.8	445.7	430.4	412.6
-20°	319.3	335.2	348.4	358.8	366.3	370.9	372.4	370.9	366.3	358.8	348.4
-21.25°	271.6	286.6	299.0	308.8	315.9	320.1	321.6	320.1	315.9	308.8	299.0





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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	238.0	247.8	256.0	262.4	267.0	269.8	270.7	269.8	267.0	262.4	256.0
-23.75°	204.4	213.7	221.4	227.4	231.8	234.4	235.3	234.4	231.8	227.4	221.4
-25°	159.3	171.7	181.8	189.7	195.3	198.8	199.9	198.8	195.3	189.7	181.8
-26.25°	104.8	116.5	128.1	137.2	143.7	147.6	148.9	147.6	143.7	137.2	128.1
-27.5°	67.6	73.0	79.0	85.7	90.6	93.6	94.6	93.6	90.6	85.7	79.0
-28.75°	50.4	53.0	55.2	57.1	59.5	60.9	61.4	60.9	59.5	57.1	55.2
-30°	41.7	43.2	44.4	45.4	46.1	46.6	46.7	46.6	46.1	45.4	44.4
-31.25°	34.4	35.9	37.1	38.0	38.7	39.1	39.2	39.1	38.7	38.0	37.1
-32.5°	29.4	30.1	30.7	31.1	31.4	31.6	31.7	31.6	31.4	31.1	30.7
-33.75°	25.8	26.4	27.0	27.4	27.7	27.9	28.0	27.9	27.7	27.4	27.0
-35°	22.8	23.2	23.6	23.9	24.0	24.2	24.2	24.2	24.0	23.9	23.6
-36.25°	20.4	20.8	21.1	21.4	21.6	21.7	21.7	21.7	21.6	21.4	21.1
-37.5°	18.6	18.8	18.9	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.9
-38.75°	17.3	17.5	17.7	17.8	17.9	17.9	18.0	17.9	17.9	17.8	17.7
-40°	16.3	16.4	16.5	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.5
-41.25°	15.5	15.6	15.7	15.8	15.8	15.8	15.9	15.8	15.8	15.8	15.7
-42.5°	14.8	14.9	14.9	15.0	15.0	15.0	15.0	15.0	15.0	15.0	14.9
-43.75°	14.4	14.5	14.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.5
-45°	14.0	14.1	14.1	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1
-46.25°	13.6	13.6	13.7	13.7	13.7	13.7	13.8	13.7	13.7	13.7	13.7
-47.5°	13.2	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2
-48.75°	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.8
-50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
-51.25°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
-52.5°	12.4	12.4	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4
-53.75°	12.0	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
-55°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
-56.25°	11.1	11.2	11.2	11.2	11.2	11.2	11.3	11.2	11.2	11.2	11.2
-57.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-58.75°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-60°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-61.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-62.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-63.75°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
-65°	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
-66.25°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-67.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-68.75°	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
-70°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-71.25°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
-72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-73.75°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-77.5°	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.1	4.1	4.1	4.1
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-81.25°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
-82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
82.5°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
81.25°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1
78.75°	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7
77.5°	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6	4.5
76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1
72.5°	5.8	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5
71.25°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.9
70°	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.3
68.75°	7.1	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7
67.5°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
66.25°	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
65°	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.8
63.75°	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
62.5°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
61.25°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.1
60°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.4
58.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	10.0	9.9	9.8
57.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2
56.25°	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
55°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.9
53.75°	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4
52.5°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
51.25°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1
50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
48.75°	12.8	12.8	12.7	12.7	12.6	12.5	12.5	12.5	12.5	12.5	12.5
47.5°	13.2	13.2	13.1	13.0	13.0	12.9	12.8	12.7	12.6	12.5	12.5
46.25°	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8
45°	14.1	14.0	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2
43.75°	14.5	14.4	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.5
42.5°	14.9	14.8	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	13.9
41.25°	15.6	15.5	15.3	15.2	15.0	14.9	14.8	14.7	14.6	14.5	14.3
40°	16.4	16.3	16.2	16.0	15.8	15.6	15.4	15.2	15.0	14.8	14.7
38.75°	17.5	17.3	17.1	16.9	16.6	16.4	16.2	15.9	15.7	15.4	15.1
37.5°	18.8	18.6	18.3	18.1	17.8	17.5	17.1	16.7	16.4	16.1	15.8
36.25°	20.8	20.4	19.9	19.4	19.0	18.6	18.3	17.9	17.4	17.0	16.6
35°	23.2	22.8	22.3	21.8	21.1	20.4	19.6	19.0	18.6	18.1	17.6



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	26.4	25.8	25.0	24.1	23.5	22.7	21.9	21.1	20.1	19.2	18.6
32.5°	30.1	29.4	28.6	27.7	26.6	25.5	24.2	23.3	22.3	21.3	20.2
31.25°	35.9	34.4	32.7	31.2	30.1	28.9	27.6	26.2	24.7	23.4	22.3
30°	43.2	41.7	39.9	37.9	35.6	33.1	31.0	29.5	27.9	26.3	24.5
28.75°	53.0	50.4	47.3	44.9	42.5	39.9	37.0	33.9	31.2	29.4	27.6
27.5°	73.0	67.6	61.3	55.3	51.2	46.7	43.7	40.4	37.0	33.3	30.6
26.25°	116.5	104.8	91.9	77.2	68.1	58.9	52.6	47.0	43.3	39.5	35.5
25°	171.7	159.3	142.1	122.5	103.3	84.4	69.7	58.4	51.4	45.6	41.4
23.75°	213.7	204.4	191.2	174.2	154.2	129.0	104.2	81.2	66.0	54.7	47.5
22.5°	247.8	238.0	226.6	213.6	198.9	177.2	152.2	121.7	94.4	71.5	57.1
21.25°	286.6	271.6	259.3	245.6	230.4	213.9	194.6	168.3	136.1	103.2	74.9
20°	335.2	319.3	300.9	280.1	261.3	243.8	225.1	205.2	178.1	144.8	107.7
18.75°	390.0	366.5	347.0	325.0	300.7	274.4	253.6	232.7	210.7	183.0	147.7
17.5°	479.0	438.0	404.6	369.2	343.6	315.8	286.1	259.5	236.5	212.6	183.0
16.25°	612.4	549.2	492.8	436.8	393.4	356.2	325.0	292.0	261.5	236.5	210.7
15°	810.8	714.0	621.1	534.6	467.7	409.2	362.6	328.0	292.0	259.5	232.7
13.75°	1092.5	949.8	805.1	673.6	570.2	483.5	414.6	362.6	325.0	286.1	253.6
12.5°	1453.3	1259.5	1056.3	864.0	709.3	582.2	483.5	409.2	356.2	315.8	274.4
11.25°	1857.1	1621.3	1365.9	1110.6	889.9	709.3	570.2	467.7	393.4	343.6	300.7
10°	2249.6	1994.4	1707.4	1401.9	1110.6	864.0	673.6	534.6	436.8	369.2	325.0
8.75°	2607.8	2345.2	2041.1	1707.4	1365.9	1056.3	805.1	621.1	492.8	404.6	347.0
7.5°	2917.4	2654.9	2345.2	1994.4	1621.3	1259.5	949.8	714.0	549.2	438.0	366.5
6.25°	3186.1	2917.4	2607.8	2249.6	1857.1	1453.3	1092.5	810.8	612.4	479.0	390.0
5°	3417.0	3137.2	2822.3	2464.4	2060.4	1638.0	1237.6	906.8	666.5	513.3	412.6
3.75°	3597.5	3310.9	2987.4	2628.7	2222.9	1786.6	1357.8	995.7	726.6	545.1	430.4
2.5°	3730.9	3440.9	3110.3	2746.6	2339.7	1896.3	1446.8	1060.5	770.2	573.5	445.7
1.25°	3811.7	3517.0	3183.9	2819.5	2411.5	1963.4	1507.3	1099.8	796.7	590.7	456.8
0°	3839.6	3543.1	3208.4	2844.1	2435.7	1986.0	1527.6	1113.0	805.6	596.5	460.5
-1.25°	3811.7	3517.0	3183.9	2819.5	2411.5	1963.4	1507.3	1099.8	796.7	590.7	456.8
-2.5°	3730.9	3440.9	3110.3	2746.6	2339.7	1896.3	1446.8	1060.5	770.2	573.5	445.7
-3.75°	3597.5	3310.9	2987.4	2628.7	2222.9	1786.6	1357.8	995.7	726.6	545.1	430.4
-5°	3417.0	3137.2	2822.3	2464.4	2060.4	1638.0	1237.6	906.8	666.5	513.3	412.6
-6.25°	3186.1	2917.4	2607.8	2249.6	1857.1	1453.3	1092.5	810.8	612.4	479.0	390.0
-7.5°	2917.4	2654.9	2345.2	1994.4	1621.3	1259.5	949.8	714.0	549.2	438.0	366.5
-8.75°	2607.8	2345.2	2041.1	1707.4	1365.9	1056.3	805.1	621.1	492.8	404.6	347.0
-10°	2249.6	1994.4	1707.4	1401.9	1110.6	864.0	673.6	534.6	436.8	369.2	325.0
-11.25°	1857.1	1621.3	1365.9	1110.6	889.9	709.3	570.2	467.7	393.4	343.6	300.7
-12.5°	1453.3	1259.5	1056.3	864.0	709.3	582.2	483.5	409.2	356.2	315.8	274.4
-13.75°	1092.5	949.8	805.1	673.6	570.2	483.5	414.6	362.6	325.0	286.1	253.6
-15°	810.8	714.0	621.1	534.6	467.7	409.2	362.6	328.0	292.0	259.5	232.7
-16.25°	612.4	549.2	492.8	436.8	393.4	356.2	325.0	292.0	261.5	236.5	210.7
-17.5°	479.0	438.0	404.6	369.2	343.6	315.8	286.1	259.5	236.5	212.6	183.0
-18.75°	390.0	366.5	347.0	325.0	300.7	274.4	253.6	232.7	210.7	183.0	147.7
-20°	335.2	319.3	300.9	280.1	261.3	243.8	225.1	205.2	178.1	144.8	107.7
-21.25°	286.6	271.6	259.3	245.6	230.4	213.9	194.6	168.3	136.1	103.2	74.9



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	247.8	238.0	226.6	213.6	198.9	177.2	152.2	121.7	94.4	71.5	57.1
-23.75°	213.7	204.4	191.2	174.2	154.2	129.0	104.2	81.2	66.0	54.7	47.5
-25°	171.7	159.3	142.1	122.5	103.3	84.4	69.7	58.4	51.4	45.6	41.4
-26.25°	116.5	104.8	91.9	77.2	68.1	58.9	52.6	47.0	43.3	39.5	35.5
-27.5°	73.0	67.6	61.3	55.3	51.2	46.7	43.7	40.4	37.0	33.3	30.6
-28.75°	53.0	50.4	47.3	44.9	42.5	39.9	37.0	33.9	31.2	29.4	27.6
-30°	43.2	41.7	39.9	37.9	35.6	33.1	31.0	29.5	27.9	26.3	24.5
-31.25°	35.9	34.4	32.7	31.2	30.1	28.9	27.6	26.2	24.7	23.4	22.3
-32.5°	30.1	29.4	28.6	27.7	26.6	25.5	24.2	23.3	22.3	21.3	20.2
-33.75°	26.4	25.8	25.0	24.1	23.5	22.7	21.9	21.1	20.1	19.2	18.6
-35°	23.2	22.8	22.3	21.8	21.1	20.4	19.6	19.0	18.6	18.1	17.6
-36.25°	20.8	20.4	19.9	19.4	19.0	18.6	18.3	17.9	17.4	17.0	16.6
-37.5°	18.8	18.6	18.3	18.1	17.8	17.5	17.1	16.7	16.4	16.1	15.8
-38.75°	17.5	17.3	17.1	16.9	16.6	16.4	16.2	15.9	15.7	15.4	15.1
-40°	16.4	16.3	16.2	16.0	15.8	15.6	15.4	15.2	15.0	14.8	14.7
-41.25°	15.6	15.5	15.3	15.2	15.0	14.9	14.8	14.7	14.6	14.5	14.3
-42.5°	14.9	14.8	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.1	13.9
-43.75°	14.5	14.4	14.4	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.5
-45°	14.1	14.0	14.0	13.9	13.8	13.7	13.6	13.5	13.4	13.3	13.2
-46.25°	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8
-47.5°	13.2	13.2	13.1	13.0	13.0	12.9	12.8	12.7	12.6	12.5	12.5
-48.75°	12.8	12.8	12.7	12.7	12.6	12.5	12.5	12.5	12.5	12.5	12.5
-50°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
-51.25°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1
-52.5°	12.4	12.4	12.3	12.3	12.2	12.2	12.1	12.0	11.9	11.9	11.8
-53.75°	12.0	12.0	11.9	11.9	11.8	11.8	11.7	11.6	11.6	11.5	11.4
-55°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.9
-56.25°	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.6
-57.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2
-58.75°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	10.0	9.9	9.8
-60°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.6	9.6	9.5	9.4
-61.25°	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.1
-62.5°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
-63.75°	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
-65°	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.8
-66.25°	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
-67.5°	7.5	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1
-68.75°	7.1	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7
-70°	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.3
-71.25°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.9
-72.5°	5.8	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5
-73.75°	5.4	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.1
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-77.5°	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.6	4.5



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7
-80°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1
-81.25°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-82.5°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
85°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
83.75°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
82.5°	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
81.25°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5
80°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8
78.75°	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
77.5°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8	3.8	3.7
76.25°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	5.0
71.25°	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.4	5.4	5.3	5.2
70°	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.6	5.6
68.75°	6.7	6.6	6.5	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9
67.5°	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.6	6.5	6.4	6.3
66.25°	7.4	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7	6.6
65°	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0
63.75°	8.2	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3
62.5°	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
61.25°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
60°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3
58.75°	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.8	8.6
57.5°	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.1	9.0
56.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
55°	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7
53.75°	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.3	10.1	10.0
52.5°	11.7	11.5	11.4	11.3	11.2	11.0	10.9	10.7	10.6	10.4	10.3
51.25°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.6
50°	12.4	12.3	12.2	12.0	11.9	11.8	11.6	11.4	11.3	11.1	10.9
48.75°	12.5	12.5	12.5	12.4	12.2	12.1	12.0	11.8	11.6	11.5	11.3
47.5°	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.1	12.0	11.8	11.6
46.25°	12.7	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.1	11.9
45°	13.0	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5	12.4	12.2
43.75°	13.4	13.2	13.1	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5
42.5°	13.8	13.6	13.5	13.3	13.1	12.9	12.8	12.6	12.5	12.5	12.5
41.25°	14.2	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.5
40°	14.5	14.4	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6
38.75°	14.9	14.7	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.9
37.5°	15.5	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.6	13.4	13.1
36.25°	16.2	15.8	15.5	15.1	14.8	14.6	14.4	14.2	13.9	13.7	13.4
35°	17.0	16.5	16.1	15.7	15.3	14.9	14.7	14.5	14.3	14.0	13.7



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	18.1	17.5	16.9	16.4	16.0	15.5	15.0	14.8	14.5	14.3	14.0
32.5°	19.1	18.5	17.9	17.2	16.6	16.1	15.6	15.1	14.8	14.6	14.3
31.25°	21.1	19.8	18.9	18.2	17.5	16.8	16.2	15.7	15.2	14.8	14.6
30°	23.1	21.8	20.5	19.1	18.4	17.7	16.9	16.3	15.7	15.2	14.8
28.75°	25.6	23.8	22.4	20.9	19.4	18.5	17.7	16.9	16.3	15.7	15.1
27.5°	28.6	26.5	24.3	22.8	21.2	19.6	18.6	17.7	16.9	16.2	15.6
26.25°	31.5	29.3	27.1	24.7	22.9	21.3	19.6	18.5	17.7	16.8	16.1
25°	37.1	32.5	29.8	27.4	24.9	22.9	21.2	19.4	18.4	17.5	16.6
23.75°	42.7	38.0	33.1	29.9	27.4	24.7	22.8	20.9	19.1	18.2	17.2
22.5°	49.1	43.3	38.3	33.1	29.8	27.1	24.3	22.4	20.5	18.9	17.9
21.25°	59.3	49.7	43.3	38.0	32.5	29.3	26.5	23.8	21.8	19.8	18.5
20°	76.1	59.3	49.1	42.7	37.1	31.5	28.6	25.6	23.1	21.1	19.1
18.75°	107.7	74.9	57.1	47.5	41.4	35.5	30.6	27.6	24.5	22.3	20.2
17.5°	144.8	103.2	71.5	54.7	45.6	39.5	33.3	29.4	26.3	23.4	21.3
16.25°	178.1	136.1	94.4	66.0	51.4	43.3	37.0	31.2	27.9	24.7	22.3
15°	205.2	168.3	121.7	81.2	58.4	47.0	40.4	33.9	29.5	26.2	23.3
13.75°	225.1	194.6	152.2	104.2	69.7	52.6	43.7	37.0	31.0	27.6	24.2
12.5°	243.8	213.9	177.2	129.0	84.4	58.9	46.7	39.9	33.1	28.9	25.5
11.25°	261.3	230.4	198.9	154.2	103.3	68.1	51.2	42.5	35.6	30.1	26.6
10°	280.1	245.6	213.6	174.2	122.5	77.2	55.3	44.9	37.9	31.2	27.7
8.75°	300.9	259.3	226.6	191.2	142.1	91.9	61.3	47.3	39.9	32.7	28.6
7.5°	319.3	271.6	238.0	204.4	159.3	104.8	67.6	50.4	41.7	34.4	29.4
6.25°	335.2	286.6	247.8	213.7	171.7	116.5	73.0	53.0	43.2	35.9	30.1
5°	348.4	299.0	256.0	221.4	181.8	128.1	79.0	55.2	44.4	37.1	30.7
3.75°	358.8	308.8	262.4	227.4	189.7	137.2	85.7	57.1	45.4	38.0	31.1
2.5°	366.3	315.9	267.0	231.8	195.3	143.7	90.6	59.5	46.1	38.7	31.4
1.25°	370.9	320.1	269.8	234.4	198.8	147.6	93.6	60.9	46.6	39.1	31.6
0°	372.4	321.6	270.7	235.3	199.9	148.9	94.6	61.4	46.7	39.2	31.7
-1.25°	370.9	320.1	269.8	234.4	198.8	147.6	93.6	60.9	46.6	39.1	31.6
-2.5°	366.3	315.9	267.0	231.8	195.3	143.7	90.6	59.5	46.1	38.7	31.4
-3.75°	358.8	308.8	262.4	227.4	189.7	137.2	85.7	57.1	45.4	38.0	31.1
-5°	348.4	299.0	256.0	221.4	181.8	128.1	79.0	55.2	44.4	37.1	30.7
-6.25°	335.2	286.6	247.8	213.7	171.7	116.5	73.0	53.0	43.2	35.9	30.1
-7.5°	319.3	271.6	238.0	204.4	159.3	104.8	67.6	50.4	41.7	34.4	29.4
-8.75°	300.9	259.3	226.6	191.2	142.1	91.9	61.3	47.3	39.9	32.7	28.6
-10°	280.1	245.6	213.6	174.2	122.5	77.2	55.3	44.9	37.9	31.2	27.7
-11.25°	261.3	230.4	198.9	154.2	103.3	68.1	51.2	42.5	35.6	30.1	26.6
-12.5°	243.8	213.9	177.2	129.0	84.4	58.9	46.7	39.9	33.1	28.9	25.5
-13.75°	225.1	194.6	152.2	104.2	69.7	52.6	43.7	37.0	31.0	27.6	24.2
-15°	205.2	168.3	121.7	81.2	58.4	47.0	40.4	33.9	29.5	26.2	23.3
-16.25°	178.1	136.1	94.4	66.0	51.4	43.3	37.0	31.2	27.9	24.7	22.3
-17.5°	144.8	103.2	71.5	54.7	45.6	39.5	33.3	29.4	26.3	23.4	21.3
-18.75°	107.7	74.9	57.1	47.5	41.4	35.5	30.6	27.6	24.5	22.3	20.2
-20°	76.1	59.3	49.1	42.7	37.1	31.5	28.6	25.6	23.1	21.1	19.1
-21.25°	59.3	49.7	43.3	38.0	32.5	29.3	26.5	23.8	21.8	19.8	18.5





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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	49.1	43.3	38.3	33.1	29.8	27.1	24.3	22.4	20.5	18.9	17.9
-23.75°	42.7	38.0	33.1	29.9	27.4	24.7	22.8	20.9	19.1	18.2	17.2
-25°	37.1	32.5	29.8	27.4	24.9	22.9	21.2	19.4	18.4	17.5	16.6
-26.25°	31.5	29.3	27.1	24.7	22.9	21.3	19.6	18.5	17.7	16.8	16.1
-27.5°	28.6	26.5	24.3	22.8	21.2	19.6	18.6	17.7	16.9	16.2	15.6
-28.75°	25.6	23.8	22.4	20.9	19.4	18.5	17.7	16.9	16.3	15.7	15.1
-30°	23.1	21.8	20.5	19.1	18.4	17.7	16.9	16.3	15.7	15.2	14.8
-31.25°	21.1	19.8	18.9	18.2	17.5	16.8	16.2	15.7	15.2	14.8	14.6
-32.5°	19.1	18.5	17.9	17.2	16.6	16.1	15.6	15.1	14.8	14.6	14.3
-33.75°	18.1	17.5	16.9	16.4	16.0	15.5	15.0	14.8	14.5	14.3	14.0
-35°	17.0	16.5	16.1	15.7	15.3	14.9	14.7	14.5	14.3	14.0	13.7
-36.25°	16.2	15.8	15.5	15.1	14.8	14.6	14.4	14.2	13.9	13.7	13.4
-37.5°	15.5	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.6	13.4	13.1
-38.75°	14.9	14.7	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.9
-40°	14.5	14.4	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.6
-41.25°	14.2	14.0	13.8	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.5
-42.5°	13.8	13.6	13.5	13.3	13.1	12.9	12.8	12.6	12.5	12.5	12.5
-43.75°	13.4	13.2	13.1	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5
-45°	13.0	12.9	12.8	12.6	12.5	12.5	12.5	12.5	12.5	12.4	12.2
-46.25°	12.7	12.5	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.1	11.9
-47.5°	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.1	12.0	11.8	11.6
-48.75°	12.5	12.5	12.5	12.4	12.2	12.1	12.0	11.8	11.6	11.5	11.3
-50°	12.4	12.3	12.2	12.0	11.9	11.8	11.6	11.4	11.3	11.1	10.9
-51.25°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.8	10.6
-52.5°	11.7	11.5	11.4	11.3	11.2	11.0	10.9	10.7	10.6	10.4	10.3
-53.75°	11.3	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.3	10.1	10.0
-55°	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7
-56.25°	10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.6	9.5	9.3
-57.5°	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.1	9.0
-58.75°	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.8	8.6
-60°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3
-61.25°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
-62.5°	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
-63.75°	8.2	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3
-65°	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0
-66.25°	7.4	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.7	6.6
-67.5°	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.6	6.5	6.4	6.3
-68.75°	6.7	6.6	6.5	6.5	6.4	6.3	6.3	6.2	6.1	6.0	5.9
-70°	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.8	5.7	5.6	5.6
-71.25°	5.8	5.8	5.7	5.7	5.6	5.6	5.5	5.4	5.4	5.3	5.2
-72.5°	5.5	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	5.0
-73.75°	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-77.5°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8	3.8	3.7



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
-80°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8
-81.25°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-82.5°	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
-83.75°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
-85°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-86.25°	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8
85°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1
83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
82.5°	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
81.25°	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
80°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
78.75°	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.6
77.5°	3.5	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.9
76.25°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1
75°	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
73.75°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.4	4.3	4.1
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.7
71.25°	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.5	5.4	5.3	5.2	5.2	5.1	5.0	5.0	5.0	5.0	5.0
68.75°	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.0	5.0
67.5°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1
66.25°	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.5	5.4
65°	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.8	5.6
63.75°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
62.5°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.2
61.25°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.7	6.5
60°	8.2	8.0	7.9	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8
58.75°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.0
57.5°	8.9	8.7	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.3
56.25°	9.2	9.0	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5
55°	9.5	9.4	9.2	9.0	8.9	8.7	8.5	8.3	8.1	8.0	7.8
53.75°	9.8	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0
52.5°	10.1	10.0	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3
51.25°	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.5
50°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.3	9.0	8.8
48.75°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1
47.5°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3
46.25°	11.7	11.5	11.3	11.1	10.8	10.6	10.4	10.2	10.0	9.8	9.5
45°	12.0	11.8	11.6	11.4	11.1	10.9	10.7	10.5	10.2	10.0	9.8
43.75°	12.3	12.1	11.9	11.7	11.4	11.2	10.9	10.7	10.5	10.2	10.0
42.5°	12.5	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.5	10.2
41.25°	12.5	12.5	12.4	12.2	12.0	11.8	11.5	11.2	10.9	10.7	10.4
40°	12.5	12.5	12.5	12.5	12.2	12.0	11.8	11.5	11.2	10.9	10.6
38.75°	12.6	12.5	12.5	12.5	12.5	12.2	12.0	11.7	11.4	11.1	10.8
37.5°	12.9	12.7	12.5	12.5	12.5	12.5	12.2	12.0	11.7	11.4	11.1
36.25°	13.2	12.9	12.7	12.5	12.5	12.5	12.4	12.2	11.9	11.6	11.3
35°	13.5	13.2	12.9	12.7	12.5	12.5	12.5	12.4	12.1	11.8	11.5

REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	13.7	13.5	13.2	12.9	12.6	12.5	12.5	12.5	12.3	12.0	11.7
32.5°	14.0	13.7	13.4	13.1	12.9	12.6	12.5	12.5	12.5	12.2	11.9
31.25°	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.5	12.5	12.4	12.1
30°	14.5	14.3	13.9	13.6	13.3	13.0	12.7	12.5	12.5	12.5	12.3
28.75°	14.8	14.5	14.2	13.9	13.5	13.2	12.9	12.6	12.5	12.5	12.4
27.5°	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8	12.5	12.5	12.5
26.25°	15.5	14.9	14.6	14.3	14.0	13.6	13.3	12.9	12.6	12.5	12.5
25°	16.0	15.3	14.8	14.5	14.2	13.8	13.5	13.1	12.8	12.5	12.5
23.75°	16.4	15.7	15.1	14.7	14.4	14.0	13.7	13.3	12.9	12.6	12.5
22.5°	16.9	16.1	15.5	14.9	14.6	14.2	13.8	13.5	13.1	12.8	12.5
21.25°	17.5	16.5	15.8	15.1	14.7	14.4	14.0	13.6	13.2	12.9	12.5
20°	18.1	17.0	16.2	15.5	14.9	14.5	14.2	13.8	13.4	13.0	12.7
18.75°	18.6	17.6	16.6	15.8	15.1	14.7	14.3	13.9	13.5	13.2	12.8
17.5°	19.2	18.1	17.0	16.1	15.4	14.8	14.5	14.1	13.7	13.3	12.9
16.25°	20.1	18.6	17.4	16.4	15.7	15.0	14.6	14.2	13.8	13.4	13.0
15°	21.1	19.0	17.9	16.7	15.9	15.2	14.7	14.3	13.9	13.5	13.1
13.75°	21.9	19.6	18.3	17.1	16.2	15.4	14.8	14.4	14.0	13.6	13.2
12.5°	22.7	20.4	18.6	17.5	16.4	15.6	14.9	14.5	14.1	13.7	13.3
11.25°	23.5	21.1	19.0	17.8	16.6	15.8	15.0	14.6	14.2	13.8	13.4
10°	24.1	21.8	19.4	18.1	16.9	16.0	15.2	14.7	14.3	13.9	13.5
8.75°	25.0	22.3	19.9	18.3	17.1	16.2	15.3	14.8	14.4	14.0	13.5
7.5°	25.8	22.8	20.4	18.6	17.3	16.3	15.5	14.8	14.4	14.0	13.6
6.25°	26.4	23.2	20.8	18.8	17.5	16.4	15.6	14.9	14.5	14.1	13.6
5°	27.0	23.6	21.1	18.9	17.7	16.5	15.7	14.9	14.5	14.1	13.7
3.75°	27.4	23.9	21.4	19.0	17.8	16.6	15.8	15.0	14.6	14.2	13.7
2.5°	27.7	24.0	21.6	19.1	17.9	16.7	15.8	15.0	14.6	14.2	13.7
1.25°	27.9	24.2	21.7	19.2	17.9	16.7	15.8	15.0	14.6	14.2	13.7
0°	28.0	24.2	21.7	19.2	18.0	16.7	15.9	15.0	14.6	14.2	13.8
-1.25°	27.9	24.2	21.7	19.2	17.9	16.7	15.8	15.0	14.6	14.2	13.7
-2.5°	27.7	24.0	21.6	19.1	17.9	16.7	15.8	15.0	14.6	14.2	13.7
-3.75°	27.4	23.9	21.4	19.0	17.8	16.6	15.8	15.0	14.6	14.2	13.7
-5°	27.0	23.6	21.1	18.9	17.7	16.5	15.7	14.9	14.5	14.1	13.7
-6.25°	26.4	23.2	20.8	18.8	17.5	16.4	15.6	14.9	14.5	14.1	13.6
-7.5°	25.8	22.8	20.4	18.6	17.3	16.3	15.5	14.8	14.4	14.0	13.6
-8.75°	25.0	22.3	19.9	18.3	17.1	16.2	15.3	14.8	14.4	14.0	13.5
-10°	24.1	21.8	19.4	18.1	16.9	16.0	15.2	14.7	14.3	13.9	13.5
-11.25°	23.5	21.1	19.0	17.8	16.6	15.8	15.0	14.6	14.2	13.8	13.4
-12.5°	22.7	20.4	18.6	17.5	16.4	15.6	14.9	14.5	14.1	13.7	13.3
-13.75°	21.9	19.6	18.3	17.1	16.2	15.4	14.8	14.4	14.0	13.6	13.2
-15°	21.1	19.0	17.9	16.7	15.9	15.2	14.7	14.3	13.9	13.5	13.1
-16.25°	20.1	18.6	17.4	16.4	15.7	15.0	14.6	14.2	13.8	13.4	13.0
-17.5°	19.2	18.1	17.0	16.1	15.4	14.8	14.5	14.1	13.7	13.3	12.9
-18.75°	18.6	17.6	16.6	15.8	15.1	14.7	14.3	13.9	13.5	13.2	12.8
-20°	18.1	17.0	16.2	15.5	14.9	14.5	14.2	13.8	13.4	13.0	12.7
-21.25°	17.5	16.5	15.8	15.1	14.7	14.4	14.0	13.6	13.2	12.9	12.5



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	16.9	16.1	15.5	14.9	14.6	14.2	13.8	13.5	13.1	12.8	12.5
-23.75°	16.4	15.7	15.1	14.7	14.4	14.0	13.7	13.3	12.9	12.6	12.5
-25°	16.0	15.3	14.8	14.5	14.2	13.8	13.5	13.1	12.8	12.5	12.5
-26.25°	15.5	14.9	14.6	14.3	14.0	13.6	13.3	12.9	12.6	12.5	12.5
-27.5°	15.0	14.7	14.4	14.1	13.8	13.4	13.1	12.8	12.5	12.5	12.5
-28.75°	14.8	14.5	14.2	13.9	13.5	13.2	12.9	12.6	12.5	12.5	12.4
-30°	14.5	14.3	13.9	13.6	13.3	13.0	12.7	12.5	12.5	12.5	12.3
-31.25°	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.5	12.5	12.4	12.1
-32.5°	14.0	13.7	13.4	13.1	12.9	12.6	12.5	12.5	12.5	12.2	11.9
-33.75°	13.7	13.5	13.2	12.9	12.6	12.5	12.5	12.5	12.3	12.0	11.7
-35°	13.5	13.2	12.9	12.7	12.5	12.5	12.5	12.4	12.1	11.8	11.5
-36.25°	13.2	12.9	12.7	12.5	12.5	12.5	12.4	12.2	11.9	11.6	11.3
-37.5°	12.9	12.7	12.5	12.5	12.5	12.5	12.2	12.0	11.7	11.4	11.1
-38.75°	12.6	12.5	12.5	12.5	12.5	12.2	12.0	11.7	11.4	11.1	10.8
-40°	12.5	12.5	12.5	12.5	12.2	12.0	11.8	11.5	11.2	10.9	10.6
-41.25°	12.5	12.5	12.4	12.2	12.0	11.8	11.5	11.2	10.9	10.7	10.4
-42.5°	12.5	12.4	12.2	12.0	11.7	11.5	11.2	11.0	10.7	10.5	10.2
-43.75°	12.3	12.1	11.9	11.7	11.4	11.2	10.9	10.7	10.5	10.2	10.0
-45°	12.0	11.8	11.6	11.4	11.1	10.9	10.7	10.5	10.2	10.0	9.8
-46.25°	11.7	11.5	11.3	11.1	10.8	10.6	10.4	10.2	10.0	9.8	9.5
-47.5°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3
-48.75°	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.1
-50°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.5	9.3	9.0	8.8
-51.25°	10.4	10.3	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.5
-52.5°	10.1	10.0	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.3
-53.75°	9.8	9.7	9.5	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0
-55°	9.5	9.4	9.2	9.0	8.9	8.7	8.5	8.3	8.1	8.0	7.8
-56.25°	9.2	9.0	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5
-57.5°	8.9	8.7	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.3
-58.75°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.0
-60°	8.2	8.0	7.9	7.8	7.6	7.5	7.4	7.2	7.1	6.9	6.8
-61.25°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.7	6.5
-62.5°	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.2
-63.75°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
-65°	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0	5.9	5.8	5.6
-66.25°	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.5	5.4
-67.5°	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1
-68.75°	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	5.0	5.0
-70°	5.5	5.4	5.3	5.2	5.2	5.1	5.0	5.0	5.0	5.0	5.0
-71.25°	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.7
-73.75°	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.4	4.3	4.1
-75°	5.0	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8	3.7	3.5
-76.25°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1
-77.5°	3.5	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.9



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.6
-80°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
-81.25°	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
-82.5°	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
-83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
-85°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1
-86.25°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8
-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



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	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°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
83.75°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0
82.5°	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
81.25°	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.5
80°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
78.75°	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9
77.5°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1
76.25°	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
75°	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5
73.75°	3.9	3.7	3.5	3.4	3.2	3.1	3.1	3.0	2.9	2.8	2.7
72.5°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.2	3.1	3.0	2.9
71.25°	5.0	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.2	3.1
70°	5.0	5.0	5.0	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.3
68.75°	5.0	5.0	5.0	5.0	5.0	4.9	4.7	4.4	4.1	3.9	3.6
67.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.3	4.0
66.25°	5.3	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.4
65°	5.5	5.4	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.8
63.75°	5.8	5.6	5.5	5.3	5.2	5.1	5.0	5.0	5.0	5.0	5.0
62.5°	6.0	5.9	5.7	5.6	5.4	5.3	5.1	5.0	5.0	5.0	5.0
61.25°	6.3	6.2	6.0	5.8	5.6	5.5	5.3	5.2	5.0	5.0	5.0
60°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	5.0
58.75°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0
57.5°	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
56.25°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
55°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.7	5.5
53.75°	7.8	7.6	7.4	7.3	7.1	6.8	6.6	6.4	6.2	5.9	5.7
52.5°	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.9
51.25°	8.3	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3	6.1
50°	8.6	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.8	6.5	6.2
48.75°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4
47.5°	9.1	8.8	8.6	8.3	8.1	7.8	7.6	7.4	7.1	6.9	6.6
46.25°	9.3	9.1	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.8
45°	9.5	9.3	9.0	8.8	8.5	8.2	8.0	7.7	7.4	7.2	6.9
43.75°	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.6	7.3	7.1
42.5°	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.8	7.5	7.2
41.25°	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.4
40°	10.4	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
38.75°	10.6	10.3	10.0	9.8	9.5	9.2	8.9	8.5	8.2	7.9	7.6
37.5°	10.8	10.5	10.2	9.9	9.6	9.4	9.0	8.7	8.4	8.1	7.8
36.25°	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	8.2	7.9
35°	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	8.4	8.0

REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	8.2
32.5°	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.6	8.3
31.25°	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.4
30°	12.0	11.6	11.3	10.9	10.6	10.3	9.9	9.6	9.3	8.9	8.5
28.75°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.0	8.7
27.5°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.8	9.5	9.2	8.8
26.25°	12.4	12.1	11.8	11.4	11.0	10.6	10.3	10.0	9.6	9.3	8.9
25°	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.4	9.0
23.75°	12.5	12.4	12.0	11.7	11.3	10.9	10.5	10.2	9.8	9.5	9.1
22.5°	12.5	12.5	12.2	11.8	11.4	11.0	10.6	10.3	9.9	9.6	9.2
21.25°	12.5	12.5	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3
20°	12.5	12.5	12.4	12.0	11.7	11.3	10.8	10.5	10.1	9.7	9.4
18.75°	12.5	12.5	12.5	12.1	11.8	11.4	10.9	10.6	10.2	9.8	9.4
17.5°	12.5	12.5	12.5	12.2	11.9	11.5	11.0	10.6	10.3	9.9	9.5
16.25°	12.6	12.5	12.5	12.3	11.9	11.6	11.1	10.7	10.3	10.0	9.6
15°	12.7	12.5	12.5	12.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
13.75°	12.8	12.5	12.5	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.7
12.5°	12.9	12.5	12.5	12.5	12.2	11.8	11.4	10.9	10.5	10.1	9.8
11.25°	13.0	12.6	12.5	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
10°	13.0	12.7	12.5	12.5	12.3	11.9	11.5	11.0	10.6	10.2	9.8
8.75°	13.1	12.7	12.5	12.5	12.3	11.9	11.5	11.1	10.7	10.3	9.9
7.5°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.1	10.7	10.3	9.9
6.25°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.2	10.7	10.3	9.9
5°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.2	10.8	10.4	10.0
3.75°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
2.5°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
1.25°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
0°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-1.25°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-2.5°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-3.75°	13.3	12.9	12.5	12.5	12.5	12.1	11.7	11.2	10.8	10.4	10.0
-5°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.2	10.8	10.4	10.0
-6.25°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.2	10.7	10.3	9.9
-7.5°	13.2	12.8	12.5	12.5	12.4	12.0	11.6	11.1	10.7	10.3	9.9
-8.75°	13.1	12.7	12.5	12.5	12.3	11.9	11.5	11.1	10.7	10.3	9.9
-10°	13.0	12.7	12.5	12.5	12.3	11.9	11.5	11.0	10.6	10.2	9.8
-11.25°	13.0	12.6	12.5	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.8
-12.5°	12.9	12.5	12.5	12.5	12.2	11.8	11.4	10.9	10.5	10.1	9.8
-13.75°	12.8	12.5	12.5	12.5	12.1	11.7	11.3	10.9	10.5	10.1	9.7
-15°	12.7	12.5	12.5	12.4	12.0	11.6	11.2	10.8	10.4	10.0	9.6
-16.25°	12.6	12.5	12.5	12.3	11.9	11.6	11.1	10.7	10.3	10.0	9.6
-17.5°	12.5	12.5	12.5	12.2	11.9	11.5	11.0	10.6	10.3	9.9	9.5
-18.75°	12.5	12.5	12.5	12.1	11.8	11.4	10.9	10.6	10.2	9.8	9.4
-20°	12.5	12.5	12.4	12.0	11.7	11.3	10.8	10.5	10.1	9.7	9.4
-21.25°	12.5	12.5	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3





REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	12.5	12.5	12.2	11.8	11.4	11.0	10.6	10.3	9.9	9.6	9.2
-23.75°	12.5	12.4	12.0	11.7	11.3	10.9	10.5	10.2	9.8	9.5	9.1
-25°	12.5	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.4	9.0
-26.25°	12.4	12.1	11.8	11.4	11.0	10.6	10.3	10.0	9.6	9.3	8.9
-27.5°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.8	9.5	9.2	8.8
-28.75°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.0	8.7
-30°	12.0	11.6	11.3	10.9	10.6	10.3	9.9	9.6	9.3	8.9	8.5
-31.25°	11.8	11.5	11.1	10.8	10.4	10.1	9.8	9.5	9.1	8.8	8.4
-32.5°	11.6	11.3	10.9	10.6	10.3	10.0	9.7	9.3	9.0	8.6	8.3
-33.75°	11.4	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	8.2
-35°	11.2	10.9	10.6	10.3	10.0	9.7	9.4	9.0	8.7	8.4	8.0
-36.25°	11.0	10.7	10.4	10.1	9.8	9.5	9.2	8.9	8.5	8.2	7.9
-37.5°	10.8	10.5	10.2	9.9	9.6	9.4	9.0	8.7	8.4	8.1	7.8
-38.75°	10.6	10.3	10.0	9.8	9.5	9.2	8.9	8.5	8.2	7.9	7.6
-40°	10.4	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
-41.25°	10.2	9.9	9.6	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.4
-42.5°	10.0	9.7	9.5	9.2	8.9	8.6	8.3	8.0	7.8	7.5	7.2
-43.75°	9.7	9.5	9.3	9.0	8.7	8.4	8.1	7.9	7.6	7.3	7.1
-45°	9.5	9.3	9.0	8.8	8.5	8.2	8.0	7.7	7.4	7.2	6.9
-46.25°	9.3	9.1	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.8
-47.5°	9.1	8.8	8.6	8.3	8.1	7.8	7.6	7.4	7.1	6.9	6.6
-48.75°	8.8	8.6	8.3	8.1	7.9	7.6	7.4	7.2	6.9	6.7	6.4
-50°	8.6	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.8	6.5	6.2
-51.25°	8.3	8.1	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3	6.1
-52.5°	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.1	5.9
-53.75°	7.8	7.6	7.4	7.3	7.1	6.8	6.6	6.4	6.2	5.9	5.7
-55°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.7	5.5
-56.25°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4
-57.5°	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-58.75°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0
-60°	6.6	6.4	6.2	6.1	5.9	5.7	5.5	5.4	5.2	5.0	5.0
-61.25°	6.3	6.2	6.0	5.8	5.6	5.5	5.3	5.2	5.0	5.0	5.0
-62.5°	6.0	5.9	5.7	5.6	5.4	5.3	5.1	5.0	5.0	5.0	5.0
-63.75°	5.8	5.6	5.5	5.3	5.2	5.1	5.0	5.0	5.0	5.0	5.0
-65°	5.5	5.4	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.8
-66.25°	5.3	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	4.4
-67.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.3	4.0
-68.75°	5.0	5.0	5.0	5.0	5.0	4.9	4.7	4.4	4.1	3.9	3.6
-70°	5.0	5.0	5.0	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.3
-71.25°	5.0	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.2	3.1
-72.5°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.2	3.1	3.0	2.9
-73.75°	3.9	3.7	3.5	3.4	3.2	3.1	3.1	3.0	2.9	2.8	2.7
-75°	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5
-76.25°	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
-77.5°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9
-80°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
-81.25°	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.5
-82.5°	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
-83.75°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0
-85°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	7.8	7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.2	5.0	5.0
32.5°	8.0	7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	5.0	5.0
31.25°	8.1	7.7	7.4	7.1	6.7	6.4	6.0	5.6	5.3	5.0	5.0
30°	8.2	7.8	7.5	7.2	6.8	6.5	6.1	5.7	5.4	5.0	5.0
28.75°	8.3	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4	5.1	5.0
27.5°	8.4	8.0	7.7	7.3	7.0	6.6	6.3	5.9	5.5	5.2	5.0
26.25°	8.5	8.1	7.8	7.4	7.1	6.7	6.3	5.9	5.6	5.2	5.0
25°	8.6	8.2	7.9	7.5	7.2	6.8	6.4	6.0	5.6	5.3	5.0
23.75°	8.7	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.7	5.3	5.0
22.5°	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.4	5.0
21.25°	8.9	8.5	8.1	7.7	7.4	7.0	6.6	6.2	5.8	5.4	5.0
20°	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.2	5.8	5.5	5.1
18.75°	9.1	8.6	8.2	7.8	7.5	7.1	6.7	6.3	5.9	5.5	5.1
17.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.8	6.4	5.9	5.5	5.2
16.25°	9.2	8.8	8.3	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
15°	9.3	8.8	8.4	8.0	7.6	7.2	6.9	6.4	6.0	5.6	5.2
13.75°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.0	5.6	5.2
12.5°	9.4	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
11.25°	9.4	9.0	8.6	8.1	7.7	7.4	7.0	6.6	6.1	5.7	5.3
10°	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.1	5.7	5.3
8.75°	9.5	9.1	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.7	5.3
7.5°	9.5	9.1	8.7	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4
6.25°	9.5	9.1	8.7	8.2	7.9	7.5	7.1	6.7	6.2	5.8	5.4
5°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
3.75°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
2.5°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
1.25°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
0°	9.6	9.2	8.8	8.3	7.9	7.5	7.1	6.7	6.3	5.8	5.4
-1.25°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
-2.5°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
-3.75°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
-5°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4
-6.25°	9.5	9.1	8.7	8.2	7.9	7.5	7.1	6.7	6.2	5.8	5.4
-7.5°	9.5	9.1	8.7	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.4
-8.75°	9.5	9.1	8.6	8.2	7.8	7.4	7.0	6.6	6.2	5.7	5.3
-10°	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.1	5.7	5.3
-11.25°	9.4	9.0	8.6	8.1	7.7	7.4	7.0	6.6	6.1	5.7	5.3
-12.5°	9.4	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-13.75°	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.5	6.0	5.6	5.2
-15°	9.3	8.8	8.4	8.0	7.6	7.2	6.9	6.4	6.0	5.6	5.2
-16.25°	9.2	8.8	8.3	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-17.5°	9.1	8.7	8.3	7.9	7.5	7.1	6.8	6.4	5.9	5.5	5.2
-18.75°	9.1	8.6	8.2	7.8	7.5	7.1	6.7	6.3	5.9	5.5	5.1
-20°	9.0	8.6	8.2	7.8	7.4	7.0	6.7	6.2	5.8	5.5	5.1
-21.25°	8.9	8.5	8.1	7.7	7.4	7.0	6.6	6.2	5.8	5.4	5.0



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	8.8	8.4	8.0	7.7	7.3	6.9	6.5	6.1	5.7	5.4	5.0
-23.75°	8.7	8.3	7.9	7.6	7.2	6.9	6.5	6.1	5.7	5.3	5.0
-25°	8.6	8.2	7.9	7.5	7.2	6.8	6.4	6.0	5.6	5.3	5.0
-26.25°	8.5	8.1	7.8	7.4	7.1	6.7	6.3	5.9	5.6	5.2	5.0
-27.5°	8.4	8.0	7.7	7.3	7.0	6.6	6.3	5.9	5.5	5.2	5.0
-28.75°	8.3	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4	5.1	5.0
-30°	8.2	7.8	7.5	7.2	6.8	6.5	6.1	5.7	5.4	5.0	5.0
-31.25°	8.1	7.7	7.4	7.1	6.7	6.4	6.0	5.6	5.3	5.0	5.0
-32.5°	8.0	7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	5.0	5.0
-33.75°	7.8	7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.2	5.0	5.0
-35°	7.7	7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.1	5.0	5.0
-36.25°	7.6	7.3	7.0	6.7	6.3	6.0	5.6	5.3	5.0	5.0	5.0
-37.5°	7.5	7.2	6.9	6.6	6.2	5.9	5.5	5.2	5.0	5.0	5.0
-38.75°	7.4	7.1	6.8	6.4	6.1	5.8	5.5	5.2	5.0	5.0	5.0
-40°	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.1	5.0	5.0	4.9
-41.25°	7.1	6.8	6.5	6.2	5.8	5.6	5.3	5.0	5.0	5.0	4.8
-42.5°	6.9	6.7	6.4	6.0	5.7	5.4	5.2	5.0	5.0	5.0	4.6
-43.75°	6.8	6.5	6.2	5.9	5.6	5.3	5.1	5.0	5.0	5.0	4.4
-45°	6.7	6.4	6.1	5.8	5.5	5.2	5.0	5.0	5.0	4.8	4.3
-46.25°	6.5	6.2	5.9	5.6	5.4	5.1	5.0	5.0	5.0	4.7	4.1
-47.5°	6.3	6.0	5.8	5.5	5.3	5.0	5.0	5.0	5.0	4.5	3.9
-48.75°	6.2	5.9	5.6	5.4	5.1	5.0	5.0	5.0	4.8	4.3	3.7
-50°	6.0	5.7	5.5	5.2	5.0	5.0	5.0	5.0	4.6	4.1	3.5
-51.25°	5.8	5.6	5.3	5.1	5.0	5.0	5.0	4.9	4.4	3.9	3.4
-52.5°	5.6	5.4	5.2	5.0	5.0	5.0	5.0	4.7	4.2	3.7	3.2
-53.75°	5.5	5.3	5.1	5.0	5.0	5.0	4.9	4.4	4.0	3.5	3.1
-55°	5.3	5.1	5.0	5.0	5.0	5.0	4.7	4.2	3.7	3.3	3.1
-56.25°	5.2	5.0	5.0	5.0	5.0	4.8	4.4	3.9	3.5	3.2	3.0
-57.5°	5.0	5.0	5.0	5.0	5.0	4.6	4.1	3.7	3.3	3.1	2.9
-58.75°	5.0	5.0	5.0	5.0	4.7	4.3	3.9	3.4	3.2	3.0	2.8
-60°	5.0	5.0	5.0	4.8	4.4	4.0	3.6	3.3	3.1	2.9	2.7
-61.25°	5.0	5.0	4.9	4.5	4.1	3.7	3.3	3.1	2.9	2.8	2.6
-62.5°	5.0	4.9	4.5	4.2	3.8	3.4	3.2	3.0	2.8	2.7	2.5
-63.75°	4.9	4.5	4.2	3.8	3.5	3.2	3.1	2.9	2.7	2.5	2.4
-65°	4.5	4.2	3.8	3.5	3.2	3.1	2.9	2.8	2.6	2.4	2.3
-66.25°	4.1	3.8	3.5	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2
-67.5°	3.7	3.4	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1
-68.75°	3.3	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0
-70°	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.9
-71.25°	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8
-72.5°	2.8	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6
-73.75°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
-75°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
-76.25°	2.2	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-77.5°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.2



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0
-80°	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-81.25°	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8
-82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-83.75°	1.0	0.9	0.9	0.8	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



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	5.0	4.3	3.5	3.1	2.8	2.4	2.1	1.8	1.4	1.0	0.7
32.5°	5.0	4.4	3.7	3.1	2.8	2.5	2.1	1.8	1.4	1.0	0.7
31.25°	5.0	4.5	3.8	3.2	2.8	2.5	2.2	1.8	1.4	1.1	0.7
30°	5.0	4.6	3.8	3.2	2.9	2.5	2.2	1.8	1.5	1.1	0.7
28.75°	5.0	4.7	3.9	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
27.5°	5.0	4.8	4.0	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
26.25°	5.0	4.9	4.1	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
25°	5.0	5.0	4.2	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
23.75°	5.0	5.0	4.3	3.5	3.0	2.7	2.3	1.9	1.5	1.1	0.7
22.5°	5.0	5.0	4.3	3.6	3.1	2.7	2.3	1.9	1.6	1.1	0.7
21.25°	5.0	5.0	4.4	3.6	3.1	2.7	2.3	2.0	1.6	1.2	0.7
20°	5.0	5.0	4.5	3.7	3.1	2.7	2.4	2.0	1.6	1.2	0.8
18.75°	5.0	5.0	4.5	3.7	3.1	2.8	2.4	2.0	1.6	1.2	0.8
17.5°	5.0	5.0	4.6	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
16.25°	5.0	5.0	4.7	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
15°	5.0	5.0	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
13.75°	5.0	5.0	4.8	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
12.5°	5.0	5.0	4.8	4.0	3.2	2.8	2.4	2.1	1.7	1.2	0.8
11.25°	5.0	5.0	4.8	4.0	3.2	2.8	2.5	2.1	1.7	1.2	0.8
10°	5.0	5.0	4.9	4.0	3.3	2.9	2.5	2.1	1.7	1.2	0.8
8.75°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
7.5°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
6.25°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
5°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
3.75°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
2.5°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
1.25°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
0°	5.0	5.0	5.0	4.2	3.3	2.9	2.5	2.1	1.7	1.3	0.8
-1.25°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-2.5°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-3.75°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-5°	5.0	5.0	5.0	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-6.25°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-7.5°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-8.75°	5.0	5.0	4.9	4.1	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-10°	5.0	5.0	4.9	4.0	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-11.25°	5.0	5.0	4.8	4.0	3.2	2.8	2.5	2.1	1.7	1.2	0.8
-12.5°	5.0	5.0	4.8	4.0	3.2	2.8	2.4	2.1	1.7	1.2	0.8
-13.75°	5.0	5.0	4.8	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-15°	5.0	5.0	4.7	3.9	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-16.25°	5.0	5.0	4.7	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-17.5°	5.0	5.0	4.6	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-18.75°	5.0	5.0	4.5	3.7	3.1	2.8	2.4	2.0	1.6	1.2	0.8
-20°	5.0	5.0	4.5	3.7	3.1	2.7	2.4	2.0	1.6	1.2	0.8
-21.25°	5.0	5.0	4.4	3.6	3.1	2.7	2.3	2.0	1.6	1.2	0.7





REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	5.0	5.0	4.3	3.6	3.1	2.7	2.3	1.9	1.6	1.1	0.7
-23.75°	5.0	5.0	4.3	3.5	3.0	2.7	2.3	1.9	1.5	1.1	0.7
-25°	5.0	5.0	4.2	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
-26.25°	5.0	4.9	4.1	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
-27.5°	5.0	4.8	4.0	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
-28.75°	5.0	4.7	3.9	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
-30°	5.0	4.6	3.8	3.2	2.9	2.5	2.2	1.8	1.5	1.1	0.7
-31.25°	5.0	4.5	3.8	3.2	2.8	2.5	2.2	1.8	1.4	1.1	0.7
-32.5°	5.0	4.4	3.7	3.1	2.8	2.5	2.1	1.8	1.4	1.0	0.7
-33.75°	5.0	4.3	3.5	3.1	2.8	2.4	2.1	1.8	1.4	1.0	0.7
-35°	4.8	4.1	3.4	3.0	2.7	2.4	2.1	1.7	1.4	1.0	0.7
-36.25°	4.7	4.0	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.6
-37.5°	4.6	3.9	3.3	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
-38.75°	4.4	3.8	3.2	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
-40°	4.3	3.6	3.2	2.9	2.5	2.2	1.9	1.6	1.3	0.9	0.6
-41.25°	4.1	3.5	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.6
-42.5°	4.0	3.4	3.0	2.7	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-43.75°	3.8	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-45°	3.7	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-46.25°	3.5	3.1	2.9	2.6	2.3	2.0	1.8	1.5	1.1	0.8	0.6
-47.5°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.5
-48.75°	3.2	3.0	2.7	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.5
-50°	3.2	2.9	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-51.25°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-52.5°	3.0	2.8	2.5	2.3	2.0	1.8	1.5	1.3	1.0	0.7	0.5
-53.75°	2.9	2.7	2.5	2.2	2.0	1.8	1.5	1.2	1.0	0.7	0.5
-55°	2.8	2.6	2.4	2.2	1.9	1.7	1.4	1.2	0.9	0.7	0.5
-56.25°	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.1	0.9	0.7	0.4
-57.5°	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.6	0.4
-58.75°	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.8	0.6	0.4
-60°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-61.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-62.5°	2.3	2.1	1.9	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.4
-63.75°	2.2	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-65°	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-66.25°	2.0	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.5	0.3
-67.5°	1.9	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.6	0.5	0.3
-68.75°	1.8	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-70°	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-71.25°	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.6	0.5	0.4	0.3
-72.5°	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



REPORT NUMBER: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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°	0.9	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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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: P220320 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-M-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



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**CANDELA DISTRIBUTION (continued):**

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