

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: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

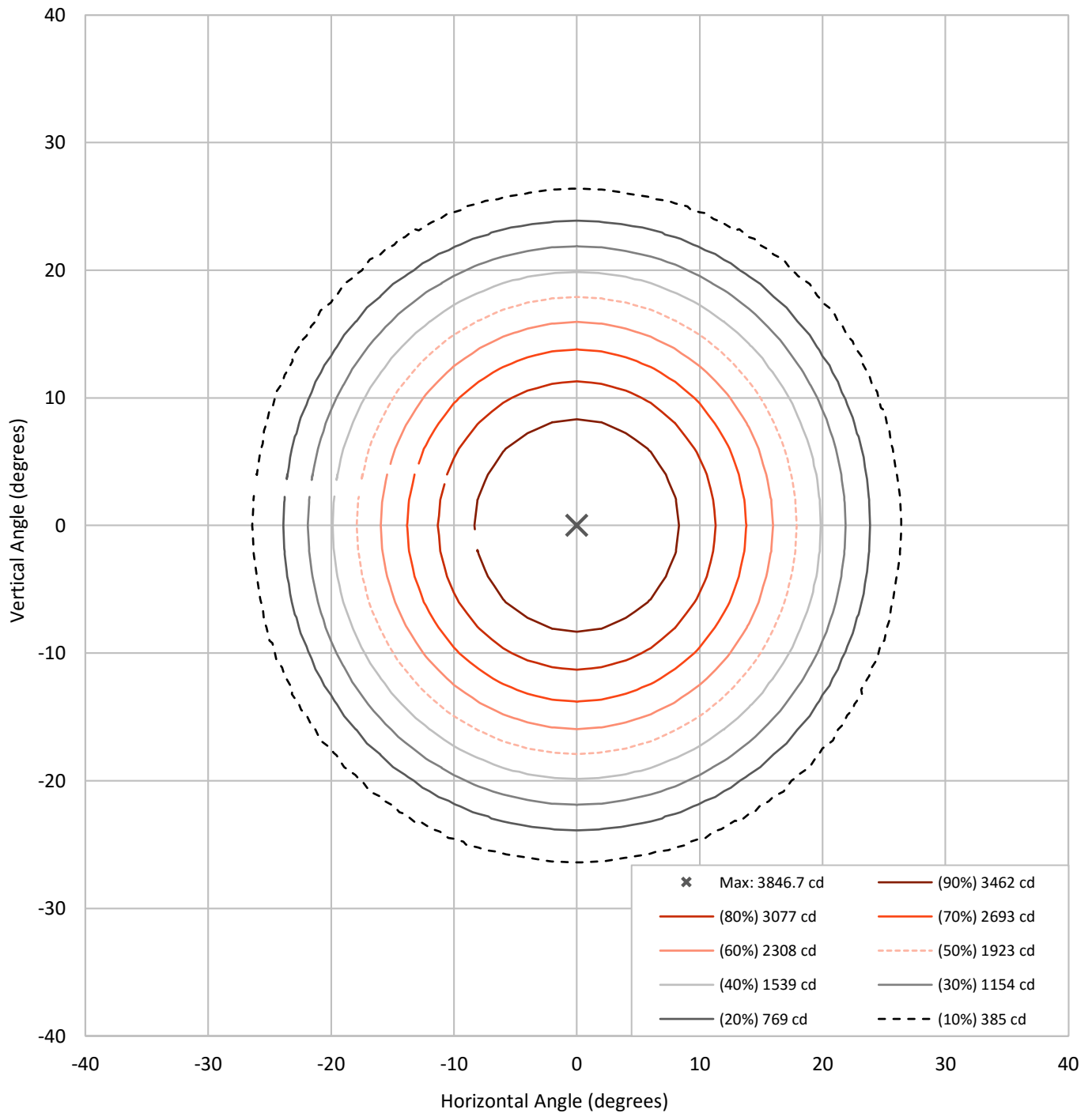
Test Method: LM-79-08  
Report Number: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3000K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1497.6 lumens	Max Intensity:	3846.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	74.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	880.5 lumens	Field Lumens:	1250.8 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





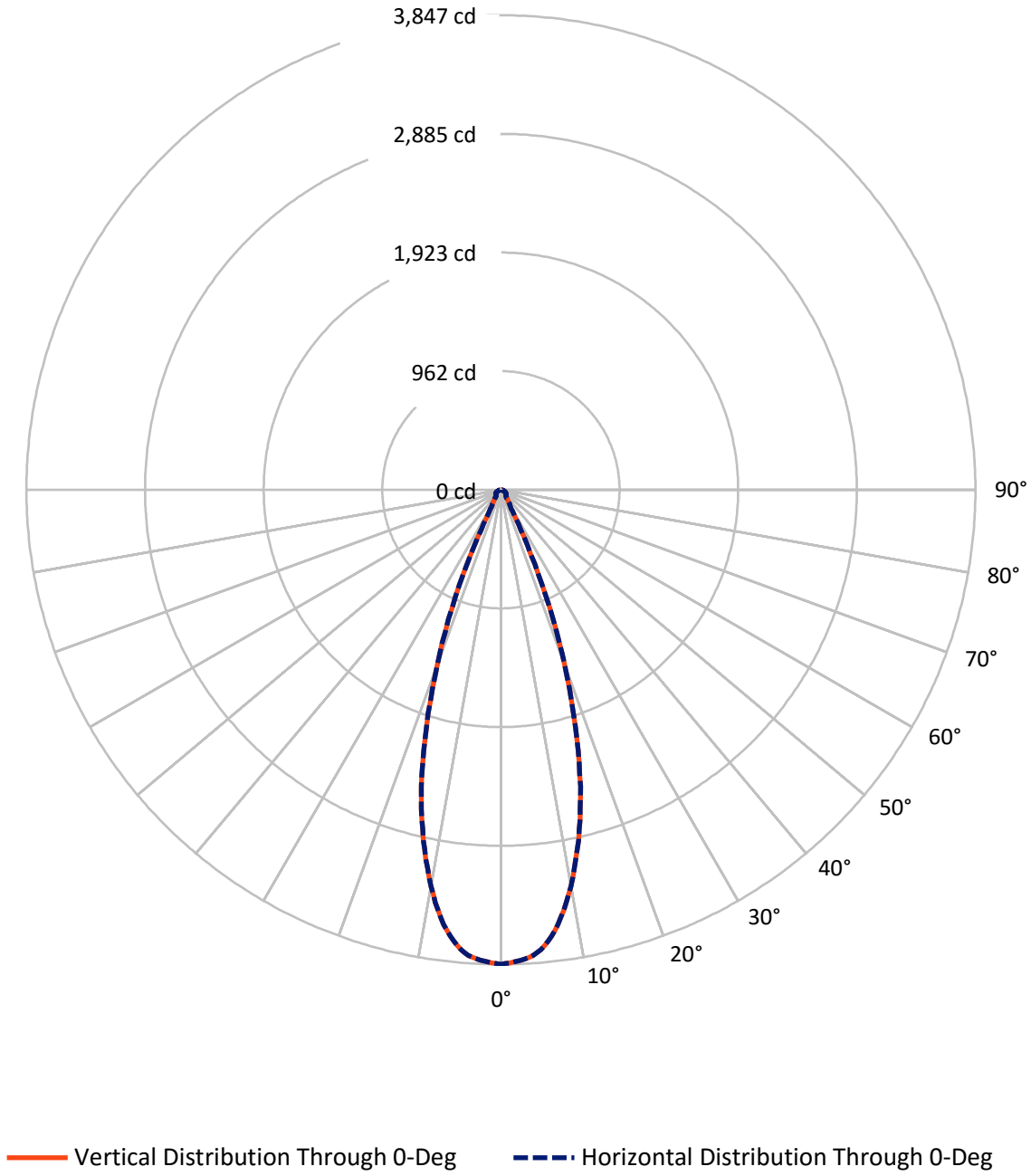
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### Lumen Table

90	0.0	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.0										
80	0.0	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.0										
70	0.2	0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2	0.2			
60		0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2				
50	0.2	0.3	0.5	0.9	1.3	1.5	1.7	1.7	1.7	1.7	1.5	1.3	0.9	0.5	0.3	0.2			
40		0.3	0.7	1.1	1.4	1.7	2.1	2.7	2.7	2.1	1.7	1.4	1.1	0.7	0.3				
30	0.3	0.4	0.8	1.2	1.5	2.6	7.5	17.6	17.6	7.5	2.6	1.5	1.2	0.8	0.4	0.3			
20		0.4	0.8	1.2	1.8	7.1	37.7	68.5	68.5	37.7	7.1	1.8	1.2	0.8	0.4				
10	0.3	0.4	0.9	1.2	2.2	16.3	66.6	105.2	105.2	66.6	16.3	2.2	1.2	0.9	0.4	0.3			
0		0.4	0.9	1.2	2.2	16.3	66.6	105.2	105.2	66.6	16.3	2.2	1.2	0.9	0.4				
-10	0.3	0.4	0.8	1.2	1.8	7.1	37.7	68.5	68.5	37.7	7.1	1.8	1.2	0.8	0.4	0.3			
-20		0.4	0.8	1.2	1.5	2.6	7.5	17.6	17.6	7.5	2.6	1.5	1.2	0.8	0.4				
-30	0.2	0.3	0.7	1.1	1.4	1.7	2.1	2.7	2.7	2.1	1.7	1.4	1.1	0.7	0.3	0.2			
-40		0.3	0.5	0.9	1.3	1.5	1.7	1.7	1.7	1.7	1.5	1.3	0.9	0.5	0.3				
-50	0.2	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.2			
-60		0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2				
-70	0.0	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.0							0.0			
-80		0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.0										
-90	0.0	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.0							0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

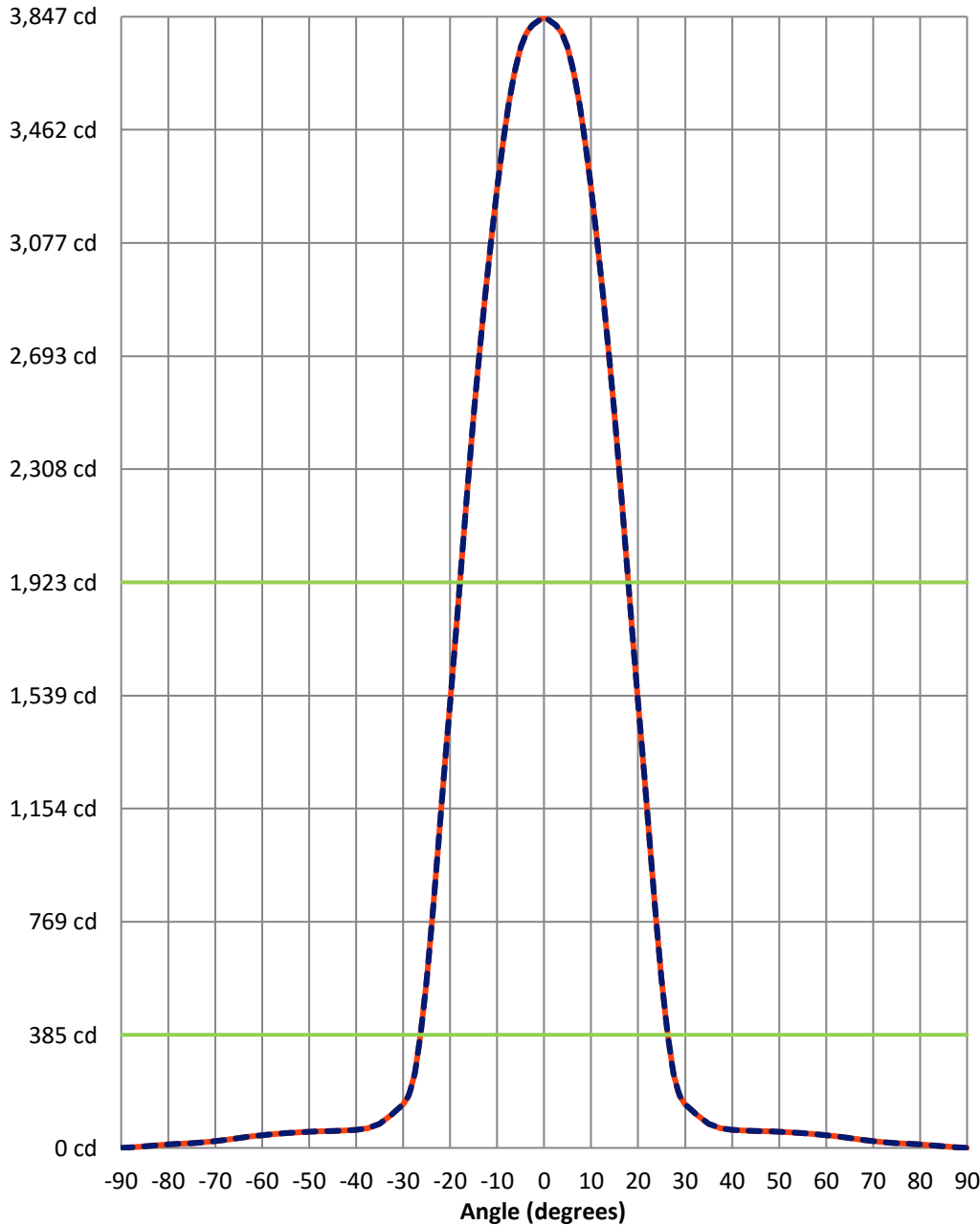
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 35.8°  
V Angle: 35.8°  
Lumens: 880.5  
Efficiency: 58.8%

**Field:**  
H Angle: 52.6°  
V Angle: 52.6°  
Lumens: 1250.8  
Efficiency: 83.5%

**Spill:**  
Lumens: 246.8  
Efficiency: 16.5%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	3.0
75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.3
73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.8	3.2	3.6
72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.5	4.0
71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.3	3.8	4.3
70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.1	4.6
68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.2	3.8	4.4	5.0
67.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.9	3.5	4.1	4.7	5.3
66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.1	3.7	4.3	5.0	5.6
65°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.9	4.6	5.3	5.9
63.75°	0.0	0.5	1.1	1.6	2.1	2.7	3.4	4.1	4.8	5.5	6.2
62.5°	0.0	0.6	1.1	1.7	2.2	2.9	3.6	4.4	5.1	5.8	6.5
61.25°	0.0	0.6	1.2	1.7	2.3	3.0	3.8	4.6	5.3	6.1	6.8
60°	0.0	0.6	1.2	1.8	2.4	3.2	4.0	4.8	5.6	6.4	7.2
58.75°	0.0	0.6	1.2	1.9	2.5	3.3	4.2	5.0	5.8	6.6	7.5
57.5°	0.0	0.6	1.3	1.9	2.6	3.5	4.3	5.2	6.1	6.9	7.7
56.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.5	5.4	6.3	7.2	8.0
55°	0.0	0.7	1.4	2.1	2.9	3.8	4.7	5.6	6.5	7.4	8.3
53.75°	0.0	0.7	1.4	2.1	3.0	3.9	4.9	5.8	6.7	7.7	8.6
52.5°	0.0	0.7	1.5	2.2	3.1	4.1	5.0	6.0	7.0	7.9	8.9
51.25°	0.0	0.8	1.5	2.3	3.2	4.2	5.2	6.2	7.2	8.2	9.2
50°	0.0	0.8	1.5	2.3	3.3	4.3	5.4	6.4	7.4	8.4	9.4
48.75°	0.0	0.8	1.6	2.4	3.4	4.5	5.5	6.6	7.6	8.7	9.7
47.5°	0.0	0.8	1.6	2.4	3.5	4.6	5.7	6.8	7.8	8.9	10.0
46.25°	0.0	0.8	1.7	2.5	3.6	4.7	5.8	6.9	8.0	9.1	10.2
45°	0.0	0.8	1.7	2.6	3.7	4.9	6.0	7.1	8.2	9.3	10.5
43.75°	0.0	0.9	1.7	2.7	3.8	5.0	6.1	7.3	8.4	9.6	10.7
42.5°	0.0	0.9	1.8	2.7	3.9	5.1	6.3	7.4	8.6	9.8	11.0
41.25°	0.0	0.9	1.8	2.8	4.0	5.2	6.4	7.6	8.8	10.0	11.2
40°	0.0	0.9	1.8	2.9	4.1	5.3	6.5	7.8	9.0	10.2	11.4
38.75°	0.0	0.9	1.9	2.9	4.2	5.4	6.7	7.9	9.2	10.4	11.6
37.5°	0.0	1.0	1.9	3.0	4.3	5.5	6.8	8.1	9.3	10.6	11.9
36.25°	0.0	1.0	1.9	3.1	4.4	5.6	6.9	8.2	9.5	10.8	12.1
35°	0.0	1.0	2.0	3.1	4.4	5.7	7.1	8.4	9.7	11.0	12.2



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.0	2.0	3.2	4.5	5.8	7.2	8.5	9.8	11.1	12.4
32.5°	0.0	1.0	2.0	3.2	4.6	5.9	7.3	8.6	10.0	11.3	12.5
31.25°	0.0	1.0	2.1	3.3	4.7	6.0	7.4	8.8	10.1	11.5	12.6
30°	0.0	1.0	2.1	3.4	4.7	6.1	7.5	8.9	10.3	11.7	12.8
28.75°	0.0	1.1	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.8	12.9
27.5°	0.0	1.1	2.1	3.5	4.9	6.3	7.7	9.1	10.5	12.0	13.0
26.25°	0.0	1.1	2.2	3.5	4.9	6.4	7.8	9.2	10.7	12.1	13.1
25°	0.0	1.1	2.2	3.5	5.0	6.4	7.9	9.3	10.8	12.2	13.3
23.75°	0.0	1.1	2.2	3.6	5.1	6.5	8.0	9.4	10.9	12.3	13.4
22.5°	0.0	1.1	2.2	3.6	5.1	6.6	8.1	9.5	11.0	12.4	13.5
21.25°	0.0	1.1	2.2	3.7	5.2	6.7	8.1	9.6	11.1	12.5	13.6
20°	0.0	1.1	2.3	3.7	5.2	6.7	8.2	9.7	11.2	12.5	13.7
18.75°	0.0	1.1	2.3	3.7	5.3	6.8	8.3	9.8	11.3	12.6	13.8
17.5°	0.0	1.1	2.3	3.8	5.3	6.8	8.4	9.9	11.4	12.7	13.8
16.25°	0.0	1.2	2.3	3.8	5.3	6.9	8.4	9.9	11.5	12.8	13.9
15°	0.0	1.2	2.3	3.8	5.4	6.9	8.5	10.0	11.6	12.8	14.0
13.75°	0.0	1.2	2.3	3.9	5.4	7.0	8.5	10.1	11.6	12.9	14.1
12.5°	0.0	1.2	2.3	3.9	5.4	7.0	8.6	10.1	11.7	12.9	14.1
11.25°	0.0	1.2	2.4	3.9	5.5	7.0	8.6	10.2	11.8	13.0	14.2
10°	0.0	1.2	2.4	3.9	5.5	7.1	8.7	10.2	11.8	13.0	14.2
8.75°	0.0	1.2	2.4	3.9	5.5	7.1	8.7	10.3	11.8	13.1	14.3
7.5°	0.0	1.2	2.4	4.0	5.5	7.1	8.7	10.3	11.9	13.1	14.3
6.25°	0.0	1.2	2.4	4.0	5.6	7.2	8.7	10.3	11.9	13.1	14.3
5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
3.75°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
2.5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
1.25°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
0°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-1.25°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-2.5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-3.75°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-6.25°	0.0	1.2	2.4	4.0	5.6	7.2	8.7	10.3	11.9	13.1	14.3
-7.5°	0.0	1.2	2.4	4.0	5.5	7.1	8.7	10.3	11.9	13.1	14.3
-8.75°	0.0	1.2	2.4	3.9	5.5	7.1	8.7	10.3	11.8	13.1	14.3
-10°	0.0	1.2	2.4	3.9	5.5	7.1	8.7	10.2	11.8	13.0	14.2
-11.25°	0.0	1.2	2.4	3.9	5.5	7.0	8.6	10.2	11.8	13.0	14.2
-12.5°	0.0	1.2	2.3	3.9	5.4	7.0	8.6	10.1	11.7	12.9	14.1
-13.75°	0.0	1.2	2.3	3.9	5.4	7.0	8.5	10.1	11.6	12.9	14.1
-15°	0.0	1.2	2.3	3.8	5.4	6.9	8.5	10.0	11.6	12.8	14.0
-16.25°	0.0	1.2	2.3	3.8	5.3	6.9	8.4	9.9	11.5	12.8	13.9
-17.5°	0.0	1.1	2.3	3.8	5.3	6.8	8.4	9.9	11.4	12.7	13.8
-18.75°	0.0	1.1	2.3	3.7	5.3	6.8	8.3	9.8	11.3	12.6	13.8
-20°	0.0	1.1	2.3	3.7	5.2	6.7	8.2	9.7	11.2	12.5	13.7
-21.25°	0.0	1.1	2.2	3.7	5.2	6.7	8.1	9.6	11.1	12.5	13.6





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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	1.1	2.2	3.6	5.1	6.6	8.1	9.5	11.0	12.4	13.5
-23.75°	0.0	1.1	2.2	3.6	5.1	6.5	8.0	9.4	10.9	12.3	13.4
-25°	0.0	1.1	2.2	3.5	5.0	6.4	7.9	9.3	10.8	12.2	13.3
-26.25°	0.0	1.1	2.2	3.5	4.9	6.4	7.8	9.2	10.7	12.1	13.1
-27.5°	0.0	1.1	2.1	3.5	4.9	6.3	7.7	9.1	10.5	12.0	13.0
-28.75°	0.0	1.1	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.8	12.9
-30°	0.0	1.0	2.1	3.4	4.7	6.1	7.5	8.9	10.3	11.7	12.8
-31.25°	0.0	1.0	2.1	3.3	4.7	6.0	7.4	8.8	10.1	11.5	12.6
-32.5°	0.0	1.0	2.0	3.2	4.6	5.9	7.3	8.6	10.0	11.3	12.5
-33.75°	0.0	1.0	2.0	3.2	4.5	5.8	7.2	8.5	9.8	11.1	12.4
-35°	0.0	1.0	2.0	3.1	4.4	5.7	7.1	8.4	9.7	11.0	12.2
-36.25°	0.0	1.0	1.9	3.1	4.4	5.6	6.9	8.2	9.5	10.8	12.1
-37.5°	0.0	1.0	1.9	3.0	4.3	5.5	6.8	8.1	9.3	10.6	11.9
-38.75°	0.0	0.9	1.9	2.9	4.2	5.4	6.7	7.9	9.2	10.4	11.6
-40°	0.0	0.9	1.8	2.9	4.1	5.3	6.5	7.8	9.0	10.2	11.4
-41.25°	0.0	0.9	1.8	2.8	4.0	5.2	6.4	7.6	8.8	10.0	11.2
-42.5°	0.0	0.9	1.8	2.7	3.9	5.1	6.3	7.4	8.6	9.8	11.0
-43.75°	0.0	0.9	1.7	2.7	3.8	5.0	6.1	7.3	8.4	9.6	10.7
-45°	0.0	0.8	1.7	2.6	3.7	4.9	6.0	7.1	8.2	9.3	10.5
-46.25°	0.0	0.8	1.7	2.5	3.6	4.7	5.8	6.9	8.0	9.1	10.2
-47.5°	0.0	0.8	1.6	2.4	3.5	4.6	5.7	6.8	7.8	8.9	10.0
-48.75°	0.0	0.8	1.6	2.4	3.4	4.5	5.5	6.6	7.6	8.7	9.7
-50°	0.0	0.8	1.5	2.3	3.3	4.3	5.4	6.4	7.4	8.4	9.4
-51.25°	0.0	0.8	1.5	2.3	3.2	4.2	5.2	6.2	7.2	8.2	9.2
-52.5°	0.0	0.7	1.5	2.2	3.1	4.1	5.0	6.0	7.0	7.9	8.9
-53.75°	0.0	0.7	1.4	2.1	3.0	3.9	4.9	5.8	6.7	7.7	8.6
-55°	0.0	0.7	1.4	2.1	2.9	3.8	4.7	5.6	6.5	7.4	8.3
-56.25°	0.0	0.7	1.3	2.0	2.8	3.6	4.5	5.4	6.3	7.2	8.0
-57.5°	0.0	0.6	1.3	1.9	2.6	3.5	4.3	5.2	6.1	6.9	7.7
-58.75°	0.0	0.6	1.2	1.9	2.5	3.3	4.2	5.0	5.8	6.6	7.5
-60°	0.0	0.6	1.2	1.8	2.4	3.2	4.0	4.8	5.6	6.4	7.2
-61.25°	0.0	0.6	1.2	1.7	2.3	3.0	3.8	4.6	5.3	6.1	6.8
-62.5°	0.0	0.6	1.1	1.7	2.2	2.9	3.6	4.4	5.1	5.8	6.5
-63.75°	0.0	0.5	1.1	1.6	2.1	2.7	3.4	4.1	4.8	5.5	6.2
-65°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.9	4.6	5.3	5.9
-66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.1	3.7	4.3	5.0	5.6
-67.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.9	3.5	4.1	4.7	5.3
-68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.2	3.8	4.4	5.0
-70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.1	4.6
-71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.3	3.8	4.3
-72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.5	4.0
-73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.8	3.2	3.6
-75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.3
-76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	3.0
-77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	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: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4
81.25°	2.0	2.2	2.3	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1
80°	2.3	2.5	2.8	3.0	3.3	3.6	3.8	4.1	4.3	4.6	4.8
78.75°	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.5
77.5°	3.0	3.3	3.6	4.0	4.3	4.6	5.0	5.3	5.6	5.9	6.2
76.25°	3.3	3.7	4.1	4.4	4.8	5.2	5.5	5.9	6.2	6.6	6.9
75°	3.7	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6
73.75°	4.1	4.5	4.9	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3
72.5°	4.4	4.9	5.4	5.8	6.3	6.8	7.2	7.7	8.1	8.5	9.0
71.25°	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.7
70°	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
68.75°	5.5	6.1	6.7	7.2	7.8	8.3	8.9	9.4	9.9	10.5	11.0
67.5°	5.9	6.5	7.1	7.7	8.2	8.8	9.4	10.0	10.5	11.1	11.7
66.25°	6.2	6.9	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.7	12.3
65°	6.6	7.2	7.9	8.5	9.2	9.8	10.5	11.1	11.7	12.3	12.7
63.75°	6.9	7.6	8.3	9.0	9.7	10.3	11.0	11.7	12.3	12.7	13.2
62.5°	7.3	8.0	8.7	9.4	10.1	10.8	11.5	12.2	12.7	13.2	13.7
61.25°	7.6	8.4	9.1	9.8	10.6	11.3	12.0	12.6	13.1	13.7	14.2
60°	7.9	8.7	9.5	10.3	11.0	11.8	12.4	13.0	13.6	14.1	14.6
58.75°	8.3	9.1	9.9	10.7	11.5	12.2	12.8	13.4	14.0	14.5	14.9
57.5°	8.6	9.4	10.3	11.1	11.9	12.6	13.2	13.8	14.4	14.8	15.2
56.25°	8.9	9.8	10.6	11.5	12.3	12.9	13.6	14.2	14.7	15.1	15.5
55°	9.2	10.1	11.0	11.9	12.6	13.3	13.9	14.5	14.9	15.4	15.8
53.75°	9.5	10.5	11.4	12.2	12.9	13.6	14.3	14.8	15.2	15.7	16.2
52.5°	9.8	10.8	11.8	12.5	13.2	13.9	14.6	15.0	15.5	15.9	16.8
51.25°	10.2	11.1	12.1	12.8	13.5	14.3	14.8	15.3	15.7	16.4	17.4
50°	10.4	11.5	12.3	13.1	13.8	14.5	15.0	15.5	16.0	17.0	17.9
48.75°	10.7	11.8	12.6	13.4	14.1	14.7	15.2	15.8	16.5	17.5	18.5
47.5°	11.0	12.1	12.9	13.7	14.4	15.0	15.5	16.0	17.0	18.0	19.1
46.25°	11.3	12.3	13.1	13.9	14.6	15.2	15.7	16.4	17.5	18.6	19.7
45°	11.6	12.5	13.4	14.2	14.8	15.4	15.9	16.9	18.0	19.1	20.3
43.75°	11.9	12.7	13.6	14.4	15.0	15.6	16.2	17.3	18.4	19.6	21.0
42.5°	12.1	13.0	13.8	14.6	15.2	15.7	16.6	17.8	18.9	20.2	21.6
41.25°	12.3	13.2	14.1	14.8	15.4	15.9	17.0	18.2	19.4	20.8	22.2
40°	12.5	13.4	14.3	14.9	15.5	16.2	17.4	18.6	19.9	21.4	22.8
38.75°	12.7	13.6	14.5	15.1	15.7	16.6	17.8	19.0	20.5	21.9	23.4
37.5°	12.8	13.8	14.6	15.2	15.9	17.0	18.2	19.5	21.0	22.5	24.1
36.25°	13.0	14.0	14.7	15.4	16.0	17.3	18.6	19.9	21.5	23.0	24.8
35°	13.2	14.2	14.9	15.5	16.3	17.6	18.9	20.4	22.0	23.6	25.5



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	13.3	14.3	15.0	15.7	16.6	17.9	19.3	20.8	22.4	24.2	26.1
32.5°	13.5	14.5	15.1	15.8	16.9	18.3	19.7	21.3	22.9	24.8	26.8
31.25°	13.7	14.6	15.3	15.9	17.2	18.6	20.1	21.7	23.4	25.4	27.4
30°	13.8	14.7	15.4	16.1	17.5	18.9	20.4	22.1	23.9	25.9	27.9
28.75°	13.9	14.8	15.5	16.4	17.8	19.1	20.8	22.5	24.4	26.5	28.6
27.5°	14.1	14.9	15.6	16.6	18.0	19.5	21.2	22.9	24.9	27.0	29.2
26.25°	14.2	15.0	15.7	16.8	18.2	19.8	21.5	23.2	25.4	27.5	29.9
25°	14.3	15.1	15.8	17.0	18.5	20.1	21.8	23.7	25.8	27.9	30.4
23.75°	14.4	15.2	15.9	17.2	18.7	20.4	22.1	24.1	26.2	28.5	31.0
22.5°	14.5	15.3	16.0	17.4	18.9	20.6	22.4	24.5	26.6	29.0	31.5
21.25°	14.6	15.3	16.2	17.6	19.1	20.9	22.7	24.8	27.0	29.5	32.0
20°	14.7	15.4	16.3	17.8	19.3	21.1	23.0	25.2	27.4	29.9	32.5
18.75°	14.7	15.5	16.5	18.0	19.5	21.4	23.2	25.5	27.7	30.3	33.0
17.5°	14.8	15.5	16.6	18.1	19.7	21.6	23.5	25.8	28.1	30.7	33.4
16.25°	14.8	15.6	16.7	18.3	19.9	21.8	23.8	26.1	28.5	31.1	33.8
15°	14.9	15.7	16.9	18.4	20.1	22.0	24.0	26.4	28.8	31.5	34.2
13.75°	14.9	15.7	17.0	18.5	20.3	22.2	24.3	26.6	29.1	31.8	34.5
12.5°	15.0	15.8	17.1	18.7	20.4	22.3	24.5	26.8	29.4	32.1	34.8
11.25°	15.0	15.8	17.2	18.8	20.6	22.5	24.7	27.0	29.6	32.4	35.1
10°	15.1	15.9	17.3	18.8	20.7	22.6	24.9	27.2	29.8	32.6	35.3
8.75°	15.1	15.9	17.4	18.9	20.8	22.7	25.0	27.4	30.0	32.8	35.6
7.5°	15.1	15.9	17.4	19.0	20.9	22.8	25.1	27.5	30.2	33.0	35.8
6.25°	15.1	15.9	17.5	19.1	21.0	22.9	25.2	27.6	30.4	33.1	35.9
5°	15.2	16.0	17.5	19.1	21.0	23.0	25.3	27.7	30.5	33.3	36.1
3.75°	15.2	16.0	17.6	19.2	21.1	23.0	25.4	27.8	30.6	33.4	36.2
2.5°	15.2	16.0	17.6	19.2	21.1	23.1	25.5	27.9	30.6	33.4	36.2
1.25°	15.2	16.0	17.6	19.2	21.1	23.1	25.5	27.9	30.7	33.5	36.3
0°	15.2	16.0	17.6	19.2	21.1	23.1	25.5	27.9	30.7	33.5	36.3
-1.25°	15.2	16.0	17.6	19.2	21.1	23.1	25.5	27.9	30.7	33.5	36.3
-2.5°	15.2	16.0	17.6	19.2	21.1	23.1	25.5	27.9	30.6	33.4	36.2
-3.75°	15.2	16.0	17.6	19.2	21.1	23.0	25.4	27.8	30.6	33.4	36.2
-5°	15.2	16.0	17.5	19.1	21.0	23.0	25.3	27.7	30.5	33.3	36.1
-6.25°	15.1	15.9	17.5	19.1	21.0	22.9	25.2	27.6	30.4	33.1	35.9
-7.5°	15.1	15.9	17.4	19.0	20.9	22.8	25.1	27.5	30.2	33.0	35.8
-8.75°	15.1	15.9	17.4	18.9	20.8	22.7	25.0	27.4	30.0	32.8	35.6
-10°	15.1	15.9	17.3	18.8	20.7	22.6	24.9	27.2	29.8	32.6	35.3
-11.25°	15.0	15.8	17.2	18.8	20.6	22.5	24.7	27.0	29.6	32.4	35.1
-12.5°	15.0	15.8	17.1	18.7	20.4	22.3	24.5	26.8	29.4	32.1	34.8
-13.75°	14.9	15.7	17.0	18.5	20.3	22.2	24.3	26.6	29.1	31.8	34.5
-15°	14.9	15.7	16.9	18.4	20.1	22.0	24.0	26.4	28.8	31.5	34.2
-16.25°	14.8	15.6	16.7	18.3	19.9	21.8	23.8	26.1	28.5	31.1	33.8
-17.5°	14.8	15.5	16.6	18.1	19.7	21.6	23.5	25.8	28.1	30.7	33.4
-18.75°	14.7	15.5	16.5	18.0	19.5	21.4	23.2	25.5	27.7	30.3	33.0
-20°	14.7	15.4	16.3	17.8	19.3	21.1	23.0	25.2	27.4	29.9	32.5
-21.25°	14.6	15.3	16.2	17.6	19.1	20.9	22.7	24.8	27.0	29.5	32.0



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**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	14.5	15.3	16.0	17.4	18.9	20.6	22.4	24.5	26.6	29.0	31.5
-23.75°	14.4	15.2	15.9	17.2	18.7	20.4	22.1	24.1	26.2	28.5	31.0
-25°	14.3	15.1	15.8	17.0	18.5	20.1	21.8	23.7	25.8	27.9	30.4
-26.25°	14.2	15.0	15.7	16.8	18.2	19.8	21.5	23.2	25.4	27.5	29.9
-27.5°	14.1	14.9	15.6	16.6	18.0	19.5	21.2	22.9	24.9	27.0	29.2
-28.75°	13.9	14.8	15.5	16.4	17.8	19.1	20.8	22.5	24.4	26.5	28.6
-30°	13.8	14.7	15.4	16.1	17.5	18.9	20.4	22.1	23.9	25.9	27.9
-31.25°	13.7	14.6	15.3	15.9	17.2	18.6	20.1	21.7	23.4	25.4	27.4
-32.5°	13.5	14.5	15.1	15.8	16.9	18.3	19.7	21.3	22.9	24.8	26.8
-33.75°	13.3	14.3	15.0	15.7	16.6	17.9	19.3	20.8	22.4	24.2	26.1
-35°	13.2	14.2	14.9	15.5	16.3	17.6	18.9	20.4	22.0	23.6	25.5
-36.25°	13.0	14.0	14.7	15.4	16.0	17.3	18.6	19.9	21.5	23.0	24.8
-37.5°	12.8	13.8	14.6	15.2	15.9	17.0	18.2	19.5	21.0	22.5	24.1
-38.75°	12.7	13.6	14.5	15.1	15.7	16.6	17.8	19.0	20.5	21.9	23.4
-40°	12.5	13.4	14.3	14.9	15.5	16.2	17.4	18.6	19.9	21.4	22.8
-41.25°	12.3	13.2	14.1	14.8	15.4	15.9	17.0	18.2	19.4	20.8	22.2
-42.5°	12.1	13.0	13.8	14.6	15.2	15.7	16.6	17.8	18.9	20.2	21.6
-43.75°	11.9	12.7	13.6	14.4	15.0	15.6	16.2	17.3	18.4	19.6	21.0
-45°	11.6	12.5	13.4	14.2	14.8	15.4	15.9	16.9	18.0	19.1	20.3
-46.25°	11.3	12.3	13.1	13.9	14.6	15.2	15.7	16.4	17.5	18.6	19.7
-47.5°	11.0	12.1	12.9	13.7	14.4	15.0	15.5	16.0	17.0	18.0	19.1
-48.75°	10.7	11.8	12.6	13.4	14.1	14.7	15.2	15.8	16.5	17.5	18.5
-50°	10.4	11.5	12.3	13.1	13.8	14.5	15.0	15.5	16.0	17.0	17.9
-51.25°	10.2	11.1	12.1	12.8	13.5	14.3	14.8	15.3	15.7	16.4	17.4
-52.5°	9.8	10.8	11.8	12.5	13.2	13.9	14.6	15.0	15.5	15.9	16.8
-53.75°	9.5	10.5	11.4	12.2	12.9	13.6	14.3	14.8	15.2	15.7	16.2
-55°	9.2	10.1	11.0	11.9	12.6	13.3	13.9	14.5	14.9	15.4	15.8
-56.25°	8.9	9.8	10.6	11.5	12.3	12.9	13.6	14.2	14.7	15.1	15.5
-57.5°	8.6	9.4	10.3	11.1	11.9	12.6	13.2	13.8	14.4	14.8	15.2
-58.75°	8.3	9.1	9.9	10.7	11.5	12.2	12.8	13.4	14.0	14.5	14.9
-60°	7.9	8.7	9.5	10.3	11.0	11.8	12.4	13.0	13.6	14.1	14.6
-61.25°	7.6	8.4	9.1	9.8	10.6	11.3	12.0	12.6	13.1	13.7	14.2
-62.5°	7.3	8.0	8.7	9.4	10.1	10.8	11.5	12.2	12.7	13.2	13.7
-63.75°	6.9	7.6	8.3	9.0	9.7	10.3	11.0	11.7	12.3	12.7	13.2
-65°	6.6	7.2	7.9	8.5	9.2	9.8	10.5	11.1	11.7	12.3	12.7
-66.25°	6.2	6.9	7.5	8.1	8.7	9.3	9.9	10.5	11.1	11.7	12.3
-67.5°	5.9	6.5	7.1	7.7	8.2	8.8	9.4	10.0	10.5	11.1	11.7
-68.75°	5.5	6.1	6.7	7.2	7.8	8.3	8.9	9.4	9.9	10.5	11.0
-70°	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
-71.25°	4.8	5.3	5.8	6.3	6.8	7.3	7.8	8.2	8.7	9.2	9.7
-72.5°	4.4	4.9	5.4	5.8	6.3	6.8	7.2	7.7	8.1	8.5	9.0
-73.75°	4.1	4.5	4.9	5.4	5.8	6.2	6.7	7.1	7.5	7.9	8.3
-75°	3.7	4.1	4.5	4.9	5.3	5.7	6.1	6.5	6.9	7.2	7.6
-76.25°	3.3	3.7	4.1	4.4	4.8	5.2	5.5	5.9	6.2	6.6	6.9
-77.5°	3.0	3.3	3.6	4.0	4.3	4.6	5.0	5.3	5.6	5.9	6.2



REPORT NUMBER: P220477 (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°	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.5
-80°	2.3	2.5	2.8	3.0	3.3	3.6	3.8	4.1	4.3	4.6	4.8
-81.25°	2.0	2.2	2.3	2.6	2.8	3.0	3.2	3.5	3.7	3.9	4.1
-82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4
-83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
-85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (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°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
85°	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
83.75°	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3
82.5°	3.6	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4
81.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
80°	5.1	5.3	5.6	5.8	6.1	6.3	6.5	6.7	7.0	7.2	7.4
78.75°	5.8	6.1	6.4	6.6	6.9	7.2	7.4	7.7	7.9	8.2	8.4
77.5°	6.5	6.8	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.4
76.25°	7.3	7.6	7.9	8.3	8.6	8.9	9.2	9.5	9.8	10.2	10.4
75°	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.1	11.5
73.75°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.3
72.5°	9.4	9.8	10.3	10.7	11.1	11.5	11.9	12.2	12.5	12.8	13.1
71.25°	10.1	10.6	11.0	11.5	11.9	12.3	12.6	12.9	13.2	13.5	13.8
70°	10.8	11.3	11.8	12.2	12.6	12.9	13.3	13.6	13.9	14.3	14.5
68.75°	11.5	12.0	12.4	12.8	13.2	13.6	13.9	14.3	14.6	14.8	15.0
67.5°	12.2	12.6	13.0	13.4	13.8	14.2	14.5	14.8	15.0	15.3	15.5
66.25°	12.7	13.1	13.6	14.0	14.4	14.7	14.9	15.2	15.5	15.7	16.0
65°	13.2	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.4	17.0
63.75°	13.7	14.2	14.6	14.9	15.2	15.5	15.8	16.2	16.8	17.4	17.9
62.5°	14.2	14.6	14.9	15.3	15.6	15.9	16.5	17.1	17.7	18.3	18.9
61.25°	14.6	15.0	15.3	15.6	16.0	16.6	17.3	18.0	18.6	19.2	20.0
60°	14.9	15.3	15.7	16.0	16.7	17.4	18.1	18.8	19.5	20.4	21.1
58.75°	15.3	15.6	16.0	16.8	17.5	18.2	19.0	19.8	20.6	21.5	22.3
57.5°	15.6	16.0	16.7	17.5	18.3	19.0	19.9	20.8	21.7	22.6	23.5
56.25°	15.9	16.6	17.4	18.2	19.0	19.9	20.9	21.8	22.7	23.8	24.9
55°	16.5	17.3	18.1	19.0	19.9	20.9	21.9	22.8	23.9	25.1	26.2
53.75°	17.1	18.0	18.8	19.8	20.8	21.8	22.8	24.0	25.2	26.4	27.6
52.5°	17.7	18.6	19.5	20.6	21.7	22.7	23.9	25.2	26.5	27.7	29.1
51.25°	18.3	19.2	20.4	21.5	22.6	23.8	25.1	26.4	27.7	29.2	30.6
50°	18.9	20.0	21.1	22.3	23.5	24.9	26.2	27.6	29.1	30.6	32.2
48.75°	19.6	20.7	21.9	23.1	24.5	26.0	27.4	28.9	30.5	32.1	33.7
47.5°	20.3	21.5	22.7	24.1	25.6	27.0	28.6	30.2	31.9	33.5	35.2
46.25°	20.9	22.2	23.5	25.1	26.6	28.1	29.8	31.6	33.3	35.0	36.6
45°	21.6	22.9	24.5	26.0	27.6	29.3	31.1	32.9	34.6	36.3	38.1
43.75°	22.3	23.7	25.4	27.0	28.7	30.5	32.3	34.1	35.9	37.7	39.4
42.5°	22.9	24.6	26.2	27.9	29.8	31.7	33.5	35.4	37.2	39.1	40.4
41.25°	23.7	25.4	27.1	28.9	30.9	32.8	34.7	36.6	38.5	40.0	41.3
40°	24.5	26.2	27.9	30.0	31.9	33.9	35.9	37.8	39.6	40.9	42.3
38.75°	25.2	27.0	28.9	31.0	33.0	35.0	37.0	39.0	40.5	41.9	43.2
37.5°	26.0	27.8	29.9	31.9	34.0	36.1	38.1	39.9	41.3	42.7	44.2
36.25°	26.7	28.6	30.8	32.9	35.0	37.1	39.2	40.7	42.1	43.6	45.1
35°	27.4	29.5	31.7	33.8	36.0	38.1	39.9	41.5	43.0	44.5	45.9



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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°	28.1	30.3	32.5	34.7	36.9	39.1	40.7	42.2	43.8	45.3	46.8
32.5°	28.8	31.1	33.4	35.6	37.9	39.8	41.4	43.0	44.5	46.1	47.5
31.25°	29.6	31.9	34.2	36.5	38.8	40.5	42.1	43.7	45.3	46.9	48.2
30°	30.3	32.6	35.0	37.3	39.5	41.1	42.8	44.4	46.0	47.5	48.8
28.75°	31.0	33.4	35.7	38.1	40.1	41.7	43.4	45.1	46.7	48.1	49.4
27.5°	31.7	34.1	36.5	38.9	40.6	42.3	44.0	45.7	47.3	48.7	50.0
26.25°	32.3	34.7	37.2	39.5	41.2	42.9	44.6	46.3	47.9	49.2	50.5
25°	32.9	35.4	37.9	40.0	41.7	43.5	45.2	46.9	48.4	49.7	50.9
23.75°	33.5	36.0	38.5	40.5	42.2	44.0	45.8	47.4	48.8	50.2	51.3
22.5°	34.1	36.6	39.1	40.9	42.7	44.5	46.3	47.9	49.3	50.6	51.7
21.25°	34.6	37.2	39.5	41.4	43.2	45.0	46.8	48.3	49.7	51.0	52.0
20°	35.1	37.7	39.9	41.8	43.6	45.5	47.2	48.7	50.2	51.3	52.4
18.75°	35.6	38.2	40.3	42.2	44.0	45.9	47.6	49.1	50.5	51.6	52.7
17.5°	36.0	38.7	40.7	42.5	44.4	46.3	47.9	49.4	50.8	51.9	53.0
16.25°	36.4	39.1	41.0	42.9	44.8	46.7	48.3	49.8	51.0	52.2	53.3
15°	36.8	39.4	41.3	43.2	45.1	47.0	48.6	50.1	51.3	52.4	53.5
13.75°	37.2	39.7	41.6	43.5	45.4	47.3	48.8	50.4	51.5	52.6	53.8
12.5°	37.5	39.9	41.9	43.8	45.7	47.5	49.1	50.5	51.7	52.9	54.0
11.25°	37.8	40.1	42.1	44.0	46.0	47.8	49.3	50.7	51.9	53.1	54.2
10°	38.1	40.3	42.3	44.3	46.2	48.0	49.5	50.9	52.1	53.2	54.4
8.75°	38.3	40.5	42.5	44.5	46.4	48.1	49.7	51.0	52.2	53.4	54.6
7.5°	38.5	40.7	42.6	44.6	46.6	48.3	49.9	51.2	52.3	53.5	54.7
6.25°	38.7	40.8	42.8	44.8	46.8	48.4	50.0	51.3	52.4	53.6	54.8
5°	38.8	40.9	42.9	44.9	46.9	48.5	50.1	51.3	52.5	53.7	54.9
3.75°	39.0	41.0	43.0	45.0	47.0	48.6	50.2	51.4	52.6	53.8	55.0
2.5°	39.0	41.1	43.0	45.0	47.0	48.7	50.3	51.5	52.7	53.9	55.1
1.25°	39.1	41.1	43.1	45.1	47.1	48.7	50.3	51.5	52.7	53.9	55.1
0°	39.1	41.1	43.1	45.1	47.1	48.7	50.3	51.5	52.7	53.9	55.1
-1.25°	39.1	41.1	43.1	45.1	47.1	48.7	50.3	51.5	52.7	53.9	55.1
-2.5°	39.0	41.1	43.0	45.0	47.0	48.7	50.3	51.5	52.7	53.9	55.1
-3.75°	39.0	41.0	43.0	45.0	47.0	48.6	50.2	51.4	52.6	53.8	55.0
-5°	38.8	40.9	42.9	44.9	46.9	48.5	50.1	51.3	52.5	53.7	54.9
-6.25°	38.7	40.8	42.8	44.8	46.8	48.4	50.0	51.3	52.4	53.6	54.8
-7.5°	38.5	40.7	42.6	44.6	46.6	48.3	49.9	51.2	52.3	53.5	54.7
-8.75°	38.3	40.5	42.5	44.5	46.4	48.1	49.7	51.0	52.2	53.4	54.6
-10°	38.1	40.3	42.3	44.3	46.2	48.0	49.5	50.9	52.1	53.2	54.4
-11.25°	37.8	40.1	42.1	44.0	46.0	47.8	49.3	50.7	51.9	53.1	54.2
-12.5°	37.5	39.9	41.9	43.8	45.7	47.5	49.1	50.5	51.7	52.9	54.0
-13.75°	37.2	39.7	41.6	43.5	45.4	47.3	48.8	50.4	51.5	52.6	53.8
-15°	36.8	39.4	41.3	43.2	45.1	47.0	48.6	50.1	51.3	52.4	53.5
-16.25°	36.4	39.1	41.0	42.9	44.8	46.7	48.3	49.8	51.0	52.2	53.3
-17.5°	36.0	38.7	40.7	42.5	44.4	46.3	47.9	49.4	50.8	51.9	53.0
-18.75°	35.6	38.2	40.3	42.2	44.0	45.9	47.6	49.1	50.5	51.6	52.7
-20°	35.1	37.7	39.9	41.8	43.6	45.5	47.2	48.7	50.2	51.3	52.4
-21.25°	34.6	37.2	39.5	41.4	43.2	45.0	46.8	48.3	49.7	51.0	52.0





REPORT NUMBER: P220477 (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°
-22.5°	34.1	36.6	39.1	40.9	42.7	44.5	46.3	47.9	49.3	50.6	51.7
-23.75°	33.5	36.0	38.5	40.5	42.2	44.0	45.8	47.4	48.8	50.2	51.3
-25°	32.9	35.4	37.9	40.0	41.7	43.5	45.2	46.9	48.4	49.7	50.9
-26.25°	32.3	34.7	37.2	39.5	41.2	42.9	44.6	46.3	47.9	49.2	50.5
-27.5°	31.7	34.1	36.5	38.9	40.6	42.3	44.0	45.7	47.3	48.7	50.0
-28.75°	31.0	33.4	35.7	38.1	40.1	41.7	43.4	45.1	46.7	48.1	49.4
-30°	30.3	32.6	35.0	37.3	39.5	41.1	42.8	44.4	46.0	47.5	48.8
-31.25°	29.6	31.9	34.2	36.5	38.8	40.5	42.1	43.7	45.3	46.9	48.2
-32.5°	28.8	31.1	33.4	35.6	37.9	39.8	41.4	43.0	44.5	46.1	47.5
-33.75°	28.1	30.3	32.5	34.7	36.9	39.1	40.7	42.2	43.8	45.3	46.8
-35°	27.4	29.5	31.7	33.8	36.0	38.1	39.9	41.5	43.0	44.5	45.9
-36.25°	26.7	28.6	30.8	32.9	35.0	37.1	39.2	40.7	42.1	43.6	45.1
-37.5°	26.0	27.8	29.9	31.9	34.0	36.1	38.1	39.9	41.3	42.7	44.2
-38.75°	25.2	27.0	28.9	31.0	33.0	35.0	37.0	39.0	40.5	41.9	43.2
-40°	24.5	26.2	27.9	30.0	31.9	33.9	35.9	37.8	39.6	40.9	42.3
-41.25°	23.7	25.4	27.1	28.9	30.9	32.8	34.7	36.6	38.5	40.0	41.3
-42.5°	22.9	24.6	26.2	27.9	29.8	31.7	33.5	35.4	37.2	39.1	40.4
-43.75°	22.3	23.7	25.4	27.0	28.7	30.5	32.3	34.1	35.9	37.7	39.4
-45°	21.6	22.9	24.5	26.0	27.6	29.3	31.1	32.9	34.6	36.3	38.1
-46.25°	20.9	22.2	23.5	25.1	26.6	28.1	29.8	31.6	33.3	35.0	36.6
-47.5°	20.3	21.5	22.7	24.1	25.6	27.0	28.6	30.2	31.9	33.5	35.2
-48.75°	19.6	20.7	21.9	23.1	24.5	26.0	27.4	28.9	30.5	32.1	33.7
-50°	18.9	20.0	21.1	22.3	23.5	24.9	26.2	27.6	29.1	30.6	32.2
-51.25°	18.3	19.2	20.4	21.5	22.6	23.8	25.1	26.4	27.7	29.2	30.6
-52.5°	17.7	18.6	19.5	20.6	21.7	22.7	23.9	25.2	26.5	27.7	29.1
-53.75°	17.1	18.0	18.8	19.8	20.8	21.8	22.8	24.0	25.2	26.4	27.6
-55°	16.5	17.3	18.1	19.0	19.9	20.9	21.9	22.8	23.9	25.1	26.2
-56.25°	15.9	16.6	17.4	18.2	19.0	19.9	20.9	21.8	22.7	23.8	24.9
-57.5°	15.6	16.0	16.7	17.5	18.3	19.0	19.9	20.8	21.7	22.6	23.5
-58.75°	15.3	15.6	16.0	16.8	17.5	18.2	19.0	19.8	20.6	21.5	22.3
-60°	14.9	15.3	15.7	16.0	16.7	17.4	18.1	18.8	19.5	20.4	21.1
-61.25°	14.6	15.0	15.3	15.6	16.0	16.6	17.3	18.0	18.6	19.2	20.0
-62.5°	14.2	14.6	14.9	15.3	15.6	15.9	16.5	17.1	17.7	18.3	18.9
-63.75°	13.7	14.2	14.6	14.9	15.2	15.5	15.8	16.2	16.8	17.4	17.9
-65°	13.2	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.4	17.0
-66.25°	12.7	13.1	13.6	14.0	14.4	14.7	14.9	15.2	15.5	15.7	16.0
-67.5°	12.2	12.6	13.0	13.4	13.8	14.2	14.5	14.8	15.0	15.3	15.5
-68.75°	11.5	12.0	12.4	12.8	13.2	13.6	13.9	14.3	14.6	14.8	15.0
-70°	10.8	11.3	11.8	12.2	12.6	12.9	13.3	13.6	13.9	14.3	14.5
-71.25°	10.1	10.6	11.0	11.5	11.9	12.3	12.6	12.9	13.2	13.5	13.8
-72.5°	9.4	9.8	10.3	10.7	11.1	11.5	11.9	12.2	12.5	12.8	13.1
-73.75°	8.7	9.1	9.5	9.9	10.3	10.6	11.0	11.4	11.8	12.1	12.3
-75°	8.0	8.4	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.1	11.5
-76.25°	7.3	7.6	7.9	8.3	8.6	8.9	9.2	9.5	9.8	10.2	10.4
-77.5°	6.5	6.8	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.2	9.4



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	5.8	6.1	6.4	6.6	6.9	7.2	7.4	7.7	7.9	8.2	8.4
-80°	5.1	5.3	5.6	5.8	6.1	6.3	6.5	6.7	7.0	7.2	7.4
-81.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
-82.5°	3.6	3.8	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4
-83.75°	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3
-85°	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
-86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
86.25°	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1
85°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4
83.75°	4.5	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
82.5°	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9
81.25°	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.8	7.9	8.1	8.2
80°	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.5
78.75°	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.8
77.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.4	11.6	11.9	12.1
76.25°	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.8	13.0
75°	11.8	12.1	12.3	12.5	12.7	13.0	13.2	13.4	13.6	13.8	14.0
73.75°	12.6	12.9	13.1	13.4	13.6	13.8	14.1	14.3	14.5	14.6	14.7
72.5°	13.4	13.7	13.9	14.2	14.4	14.6	14.8	14.9	15.1	15.2	15.4
71.25°	14.1	14.4	14.6	14.8	15.0	15.2	15.4	15.5	15.7	15.9	16.0
70°	14.7	15.0	15.2	15.4	15.6	15.7	15.9	16.2	16.6	17.0	17.3
68.75°	15.2	15.5	15.7	15.9	16.2	16.6	17.0	17.4	17.8	18.2	18.6
67.5°	15.8	16.0	16.4	16.9	17.3	17.8	18.2	18.6	19.0	19.5	19.9
66.25°	16.5	17.0	17.5	18.0	18.4	18.9	19.4	19.9	20.5	21.0	21.5
65°	17.5	18.0	18.6	19.1	19.6	20.2	20.8	21.4	21.9	22.5	23.0
63.75°	18.5	19.1	19.7	20.3	21.0	21.6	22.2	22.8	23.4	24.1	24.8
62.5°	19.6	20.3	20.9	21.6	22.3	22.9	23.7	24.5	25.2	26.0	26.7
61.25°	20.7	21.5	22.2	22.9	23.7	24.6	25.4	26.2	27.0	27.8	28.6
60°	21.9	22.7	23.5	24.5	25.4	26.2	27.1	27.9	28.9	29.9	30.8
58.75°	23.1	24.1	25.1	26.0	27.0	27.9	28.9	30.0	31.0	31.9	32.9
57.5°	24.5	25.6	26.6	27.6	28.7	29.8	30.9	31.9	33.0	34.0	35.0
56.25°	26.0	27.0	28.1	29.3	30.5	31.7	32.8	33.9	35.0	36.1	37.1
55°	27.4	28.6	29.8	31.1	32.3	33.5	34.7	35.9	37.0	38.1	39.2
53.75°	28.9	30.2	31.6	32.9	34.1	35.4	36.6	37.8	39.0	39.9	40.7
52.5°	30.5	31.9	33.3	34.6	35.9	37.2	38.5	39.6	40.5	41.3	42.1
51.25°	32.1	33.5	35.0	36.3	37.7	39.1	40.0	40.9	41.9	42.7	43.6
50°	33.7	35.2	36.6	38.1	39.4	40.4	41.3	42.3	43.2	44.2	45.1
48.75°	35.2	36.8	38.3	39.6	40.6	41.6	42.6	43.6	44.6	45.6	46.5
47.5°	36.8	38.3	39.7	40.8	41.8	42.9	43.9	45.0	46.0	47.0	47.8
46.25°	38.3	39.7	40.8	41.9	43.0	44.1	45.2	46.3	47.3	48.1	48.9
45°	39.6	40.8	41.9	43.1	44.2	45.4	46.5	47.5	48.3	49.2	50.0
43.75°	40.6	41.8	43.0	44.2	45.4	46.6	47.6	48.5	49.4	50.3	50.9
42.5°	41.6	42.9	44.1	45.4	46.6	47.6	48.6	49.5	50.4	51.1	51.7
41.25°	42.6	43.9	45.2	46.5	47.6	48.6	49.6	50.5	51.2	51.9	52.5
40°	43.6	45.0	46.3	47.5	48.5	49.5	50.5	51.2	51.9	52.6	53.3
38.75°	44.6	46.0	47.3	48.3	49.4	50.4	51.2	51.9	52.7	53.4	54.1
37.5°	45.6	47.0	48.1	49.2	50.3	51.1	51.9	52.6	53.4	54.1	54.9
36.25°	46.5	47.8	48.9	50.0	50.9	51.7	52.5	53.3	54.1	54.9	55.5
35°	47.3	48.5	49.7	50.7	51.5	52.4	53.2	54.0	54.8	55.4	56.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	48.1	49.2	50.4	51.3	52.1	53.0	53.8	54.7	55.4	55.9	56.4
32.5°	48.7	50.0	50.9	51.8	52.7	53.6	54.5	55.3	55.8	56.4	56.8
31.25°	49.4	50.6	51.5	52.4	53.3	54.2	55.1	55.7	56.3	56.8	57.0
30°	50.1	51.1	52.0	53.0	53.9	54.8	55.5	56.1	56.7	57.0	57.3
28.75°	50.6	51.6	52.5	53.5	54.4	55.3	55.9	56.5	56.9	57.2	57.5
27.5°	51.1	52.0	53.0	54.0	55.0	55.6	56.3	56.8	57.1	57.4	57.9
26.25°	51.5	52.5	53.5	54.5	55.3	56.0	56.6	57.0	57.3	57.7	58.3
25°	51.9	52.9	54.0	55.0	55.7	56.3	56.8	57.2	57.5	58.1	58.8
23.75°	52.3	53.4	54.4	55.3	56.0	56.7	57.0	57.3	57.9	58.5	59.2
22.5°	52.7	53.8	54.8	55.6	56.3	56.8	57.2	57.5	58.2	58.9	59.7
21.25°	53.1	54.2	55.2	55.9	56.6	57.0	57.3	57.9	58.5	59.3	60.3
20°	53.5	54.5	55.4	56.2	56.8	57.1	57.5	58.2	58.9	59.8	60.8
18.75°	53.8	54.9	55.7	56.4	56.9	57.3	57.8	58.5	59.2	60.3	61.3
17.5°	54.1	55.2	55.9	56.6	57.0	57.4	58.0	58.7	59.6	60.7	62.1
16.25°	54.4	55.4	56.1	56.8	57.2	57.5	58.3	59.0	60.0	61.1	63.1
15°	54.7	55.6	56.3	56.9	57.3	57.8	58.5	59.3	60.4	61.6	64.1
13.75°	54.9	55.7	56.5	57.0	57.4	58.0	58.7	59.7	60.8	62.4	64.9
12.5°	55.1	55.9	56.7	57.1	57.5	58.2	58.9	60.0	61.1	63.2	65.8
11.25°	55.3	56.1	56.8	57.2	57.6	58.3	59.1	60.3	61.4	63.9	66.5
10°	55.4	56.2	56.8	57.2	57.7	58.5	59.4	60.5	61.9	64.5	67.5
8.75°	55.5	56.3	56.9	57.3	57.9	58.6	59.6	60.7	62.4	65.1	69.1
7.5°	55.6	56.4	57.0	57.3	58.0	58.8	59.8	60.9	62.9	65.6	70.6
6.25°	55.7	56.5	57.0	57.4	58.1	58.9	59.9	61.1	63.3	66.0	71.8
5°	55.8	56.6	57.0	57.4	58.2	58.9	60.1	61.3	63.7	66.4	72.8
3.75°	55.8	56.6	57.1	57.5	58.2	59.0	60.2	61.4	63.9	66.6	73.6
2.5°	55.9	56.7	57.1	57.5	58.3	59.1	60.2	61.4	64.1	66.8	74.1
1.25°	55.9	56.7	57.1	57.5	58.3	59.1	60.3	61.5	64.2	67.0	74.5
0°	55.9	56.7	57.1	57.5	58.3	59.1	60.3	61.5	64.3	67.0	74.6
-1.25°	55.9	56.7	57.1	57.5	58.3	59.1	60.3	61.5	64.2	67.0	74.5
-2.5°	55.9	56.7	57.1	57.5	58.3	59.1	60.2	61.4	64.1	66.8	74.1
-3.75°	55.8	56.6	57.1	57.5	58.2	59.0	60.2	61.4	63.9	66.6	73.6
-5°	55.8	56.6	57.0	57.4	58.2	58.9	60.1	61.3	63.7	66.4	72.8
-6.25°	55.7	56.5	57.0	57.4	58.1	58.9	59.9	61.1	63.3	66.0	71.8
-7.5°	55.6	56.4	57.0	57.3	58.0	58.8	59.8	60.9	62.9	65.6	70.6
-8.75°	55.5	56.3	56.9	57.3	57.9	58.6	59.6	60.7	62.4	65.1	69.1
-10°	55.4	56.2	56.8	57.2	57.7	58.5	59.4	60.5	61.9	64.5	67.5
-11.25°	55.3	56.1	56.8	57.2	57.6	58.3	59.1	60.3	61.4	63.9	66.5
-12.5°	55.1	55.9	56.7	57.1	57.5	58.2	58.9	60.0	61.1	63.2	65.8
-13.75°	54.9	55.7	56.5	57.0	57.4	58.0	58.7	59.7	60.8	62.4	64.9
-15°	54.7	55.6	56.3	56.9	57.3	57.8	58.5	59.3	60.4	61.6	64.1
-16.25°	54.4	55.4	56.1	56.8	57.2	57.5	58.3	59.0	60.0	61.1	63.1
-17.5°	54.1	55.2	55.9	56.6	57.0	57.4	58.0	58.7	59.6	60.7	62.1
-18.75°	53.8	54.9	55.7	56.4	56.9	57.3	57.8	58.5	59.2	60.3	61.3
-20°	53.5	54.5	55.4	56.2	56.8	57.1	57.5	58.2	58.9	59.8	60.8
-21.25°	53.1	54.2	55.2	55.9	56.6	57.0	57.3	57.9	58.5	59.3	60.3

REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	52.7	53.8	54.8	55.6	56.3	56.8	57.2	57.5	58.2	58.9	59.7
-23.75°	52.3	53.4	54.4	55.3	56.0	56.7	57.0	57.3	57.9	58.5	59.2
-25°	51.9	52.9	54.0	55.0	55.7	56.3	56.8	57.2	57.5	58.1	58.8
-26.25°	51.5	52.5	53.5	54.5	55.3	56.0	56.6	57.0	57.3	57.7	58.3
-27.5°	51.1	52.0	53.0	54.0	55.0	55.6	56.3	56.8	57.1	57.4	57.9
-28.75°	50.6	51.6	52.5	53.5	54.4	55.3	55.9	56.5	56.9	57.2	57.5
-30°	50.1	51.1	52.0	53.0	53.9	54.8	55.5	56.1	56.7	57.0	57.3
-31.25°	49.4	50.6	51.5	52.4	53.3	54.2	55.1	55.7	56.3	56.8	57.0
-32.5°	48.7	50.0	50.9	51.8	52.7	53.6	54.5	55.3	55.8	56.4	56.8
-33.75°	48.1	49.2	50.4	51.3	52.1	53.0	53.8	54.7	55.4	55.9	56.4
-35°	47.3	48.5	49.7	50.7	51.5	52.4	53.2	54.0	54.8	55.4	56.0
-36.25°	46.5	47.8	48.9	50.0	50.9	51.7	52.5	53.3	54.1	54.9	55.5
-37.5°	45.6	47.0	48.1	49.2	50.3	51.1	51.9	52.6	53.4	54.1	54.9
-38.75°	44.6	46.0	47.3	48.3	49.4	50.4	51.2	51.9	52.7	53.4	54.1
-40°	43.6	45.0	46.3	47.5	48.5	49.5	50.5	51.2	51.9	52.6	53.3
-41.25°	42.6	43.9	45.2	46.5	47.6	48.6	49.6	50.5	51.2	51.9	52.5
-42.5°	41.6	42.9	44.1	45.4	46.6	47.6	48.6	49.5	50.4	51.1	51.7
-43.75°	40.6	41.8	43.0	44.2	45.4	46.6	47.6	48.5	49.4	50.3	50.9
-45°	39.6	40.8	41.9	43.1	44.2	45.4	46.5	47.5	48.3	49.2	50.0
-46.25°	38.3	39.7	40.8	41.9	43.0	44.1	45.2	46.3	47.3	48.1	48.9
-47.5°	36.8	38.3	39.7	40.8	41.8	42.9	43.9	45.0	46.0	47.0	47.8
-48.75°	35.2	36.8	38.3	39.6	40.6	41.6	42.6	43.6	44.6	45.6	46.5
-50°	33.7	35.2	36.6	38.1	39.4	40.4	41.3	42.3	43.2	44.2	45.1
-51.25°	32.1	33.5	35.0	36.3	37.7	39.1	40.0	40.9	41.9	42.7	43.6
-52.5°	30.5	31.9	33.3	34.6	35.9	37.2	38.5	39.6	40.5	41.3	42.1
-53.75°	28.9	30.2	31.6	32.9	34.1	35.4	36.6	37.8	39.0	39.9	40.7
-55°	27.4	28.6	29.8	31.1	32.3	33.5	34.7	35.9	37.0	38.1	39.2
-56.25°	26.0	27.0	28.1	29.3	30.5	31.7	32.8	33.9	35.0	36.1	37.1
-57.5°	24.5	25.6	26.6	27.6	28.7	29.8	30.9	31.9	33.0	34.0	35.0
-58.75°	23.1	24.1	25.1	26.0	27.0	27.9	28.9	30.0	31.0	31.9	32.9
-60°	21.9	22.7	23.5	24.5	25.4	26.2	27.1	27.9	28.9	29.9	30.8
-61.25°	20.7	21.5	22.2	22.9	23.7	24.6	25.4	26.2	27.0	27.8	28.6
-62.5°	19.6	20.3	20.9	21.6	22.3	22.9	23.7	24.5	25.2	26.0	26.7
-63.75°	18.5	19.1	19.7	20.3	21.0	21.6	22.2	22.8	23.4	24.1	24.8
-65°	17.5	18.0	18.6	19.1	19.6	20.2	20.8	21.4	21.9	22.5	23.0
-66.25°	16.5	17.0	17.5	18.0	18.4	18.9	19.4	19.9	20.5	21.0	21.5
-67.5°	15.8	16.0	16.4	16.9	17.3	17.8	18.2	18.6	19.0	19.5	19.9
-68.75°	15.2	15.5	15.7	15.9	16.2	16.6	17.0	17.4	17.8	18.2	18.6
-70°	14.7	15.0	15.2	15.4	15.6	15.7	15.9	16.2	16.6	17.0	17.3
-71.25°	14.1	14.4	14.6	14.8	15.0	15.2	15.4	15.5	15.7	15.9	16.0
-72.5°	13.4	13.7	13.9	14.2	14.4	14.6	14.8	14.9	15.1	15.2	15.4
-73.75°	12.6	12.9	13.1	13.4	13.6	13.8	14.1	14.3	14.5	14.6	14.7
-75°	11.8	12.1	12.3	12.5	12.7	13.0	13.2	13.4	13.6	13.8	14.0
-76.25°	10.7	11.0	11.3	11.6	11.9	12.1	12.3	12.5	12.7	12.8	13.0
-77.5°	9.7	10.0	10.2	10.5	10.7	11.0	11.2	11.4	11.6	11.9	12.1



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.8
-80°	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.3	9.5
-81.25°	6.6	6.8	6.9	7.1	7.3	7.4	7.6	7.8	7.9	8.1	8.2
-82.5°	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9
-83.75°	4.5	4.6	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-85°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4
-86.25°	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1
-87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
86.25°	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6
85°	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1	5.1
83.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6
82.5°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
81.25°	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
80°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9	11.0
78.75°	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.3	12.4
77.5°	12.2	12.4	12.5	12.6	12.8	12.9	13.0	13.1	13.3	13.4	13.5
76.25°	13.2	13.3	13.5	13.7	13.8	13.9	14.1	14.2	14.3	14.4	14.5
75°	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3
73.75°	14.9	15.0	15.1	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0
72.5°	15.5	15.7	15.8	15.9	16.1	16.4	16.6	16.8	17.0	17.2	17.4
71.25°	16.3	16.6	16.9	17.2	17.5	17.8	18.0	18.2	18.5	18.7	18.9
70°	17.6	17.9	18.3	18.6	18.9	19.1	19.5	19.8	20.1	20.4	20.6
68.75°	18.9	19.3	19.7	20.1	20.4	20.8	21.2	21.5	21.8	22.1	22.4
67.5°	20.4	20.8	21.3	21.7	22.1	22.5	22.9	23.2	23.7	24.1	24.5
66.25°	22.0	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.8	26.2	26.6
65°	23.6	24.2	24.8	25.4	25.9	26.5	27.0	27.5	27.9	28.5	29.0
63.75°	25.5	26.1	26.8	27.4	27.9	28.6	29.2	29.9	30.4	31.0	31.5
62.5°	27.4	28.1	28.8	29.6	30.3	31.0	31.7	32.3	32.9	33.5	34.1
61.25°	29.5	30.3	31.1	31.9	32.6	33.4	34.1	34.7	35.4	36.0	36.6
60°	31.7	32.5	33.4	34.2	35.0	35.7	36.5	37.2	37.9	38.5	39.1
58.75°	33.8	34.7	35.6	36.5	37.3	38.1	38.9	39.5	40.0	40.5	40.9
57.5°	36.0	36.9	37.9	38.8	39.5	40.1	40.6	41.2	41.7	42.2	42.7
56.25°	38.1	39.1	39.8	40.5	41.1	41.7	42.3	42.9	43.5	44.0	44.5
55°	39.9	40.7	41.4	42.1	42.8	43.4	44.0	44.6	45.2	45.8	46.3
53.75°	41.5	42.2	43.0	43.7	44.4	45.1	45.7	46.3	46.9	47.4	47.9
52.5°	43.0	43.8	44.5	45.3	46.0	46.7	47.3	47.9	48.4	48.8	49.3
51.25°	44.5	45.3	46.1	46.9	47.5	48.1	48.7	49.2	49.7	50.2	50.6
50°	45.9	46.8	47.5	48.2	48.8	49.4	50.0	50.5	50.9	51.3	51.7
48.75°	47.3	48.1	48.7	49.4	50.1	50.6	51.1	51.5	51.9	52.3	52.7
47.5°	48.5	49.2	50.0	50.6	51.1	51.6	52.0	52.5	52.9	53.4	53.8
46.25°	49.7	50.4	50.9	51.5	52.0	52.5	53.0	53.5	54.0	54.4	54.8
45°	50.7	51.3	51.8	52.4	53.0	53.5	54.0	54.5	55.0	55.3	55.6
43.75°	51.5	52.1	52.7	53.3	53.9	54.4	55.0	55.3	55.7	56.0	56.3
42.5°	52.4	53.0	53.6	54.2	54.8	55.3	55.6	56.0	56.3	56.7	56.8
41.25°	53.2	53.8	54.5	55.1	55.5	55.9	56.3	56.6	56.8	57.0	57.2
40°	54.0	54.7	55.3	55.7	56.1	56.5	56.8	57.0	57.2	57.3	57.5
38.75°	54.8	55.4	55.8	56.3	56.7	56.9	57.1	57.3	57.5	57.9	58.2
37.5°	55.4	55.9	56.4	56.8	57.0	57.2	57.4	57.7	58.1	58.5	58.9
36.25°	56.0	56.4	56.8	57.0	57.3	57.5	57.9	58.3	58.8	59.2	59.7
35°	56.5	56.8	57.1	57.3	57.6	58.1	58.5	59.0	59.5	60.1	60.7



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	56.8	57.1	57.3	57.7	58.2	58.7	59.1	59.8	60.4	61.1	61.9
32.5°	57.1	57.3	57.7	58.2	58.7	59.3	60.0	60.7	61.4	62.7	64.1
31.25°	57.3	57.7	58.2	58.8	59.4	60.1	60.8	61.6	63.2	64.8	66.3
30°	57.6	58.2	58.7	59.4	60.1	60.9	61.9	63.6	65.3	66.9	70.9
28.75°	58.1	58.7	59.3	60.1	60.9	62.0	63.8	65.6	67.7	72.3	76.7
27.5°	58.5	59.1	60.0	60.8	61.9	63.8	65.7	68.3	73.1	77.8	82.6
26.25°	59.0	59.8	60.7	61.6	63.6	65.6	68.3	73.4	78.4	84.3	93.8
25°	59.5	60.4	61.4	63.2	65.3	67.7	73.1	78.4	84.9	95.0	104.7
23.75°	60.1	61.1	62.7	64.8	66.9	72.3	77.8	84.3	95.0	105.3	116.0
22.5°	60.7	61.9	64.1	66.3	70.9	76.7	82.6	93.8	104.7	116.0	128.3
21.25°	61.3	63.3	65.5	69.0	75.0	81.0	91.4	102.9	114.5	127.5	140.3
20°	62.2	64.5	66.8	72.8	79.0	87.9	99.9	111.7	125.3	138.8	153.3
18.75°	63.4	65.8	70.0	76.4	83.3	95.8	108.1	121.6	135.7	150.0	169.6
17.5°	64.5	66.9	73.4	79.9	90.5	103.2	116.4	131.2	145.7	164.5	202.5
16.25°	65.6	69.8	76.5	84.1	97.3	110.3	125.2	140.3	157.8	190.0	254.6
15°	66.6	72.7	79.5	90.3	103.7	117.8	133.4	149.1	172.6	224.6	319.4
13.75°	68.3	75.3	82.3	96.0	109.7	125.2	141.2	160.3	198.4	277.0	398.3
12.5°	70.7	77.8	87.4	101.3	115.7	132.1	148.3	173.6	231.9	338.4	483.2
11.25°	72.8	80.0	92.0	106.2	121.8	138.4	157.5	194.7	275.0	403.5	566.2
10°	74.8	82.0	96.2	110.6	127.2	144.1	165.8	215.4	321.5	471.8	652.8
8.75°	76.5	85.4	100.0	114.9	132.1	149.5	179.2	248.9	372.2	536.6	731.3
7.5°	78.0	88.5	103.3	119.0	136.4	155.8	193.5	278.3	416.7	597.2	807.4
6.25°	79.3	91.2	106.1	122.5	140.0	161.1	205.8	306.0	462.3	653.5	873.8
5°	80.3	93.4	108.4	125.3	143.0	165.5	219.5	336.0	500.6	700.1	928.9
3.75°	81.1	95.1	110.2	127.6	145.4	169.6	235.0	359.4	530.7	736.7	974.3
2.5°	81.7	96.4	111.5	129.2	147.0	175.0	246.1	376.3	552.4	765.6	1007.0
1.25°	82.1	97.1	112.2	130.1	148.1	178.3	252.8	386.5	565.4	783.3	1026.8
0°	82.2	97.4	112.5	130.5	148.4	179.4	255.0	389.9	569.8	789.3	1033.5
-1.25°	82.1	97.1	112.2	130.1	148.1	178.3	252.8	386.5	565.4	783.3	1026.8
-2.5°	81.7	96.4	111.5	129.2	147.0	175.0	246.1	376.3	552.4	765.6	1007.0
-3.75°	81.1	95.1	110.2	127.6	145.4	169.6	235.0	359.4	530.7	736.7	974.3
-5°	80.3	93.4	108.4	125.3	143.0	165.5	219.5	336.0	500.6	700.1	928.9
-6.25°	79.3	91.2	106.1	122.5	140.0	161.1	205.8	306.0	462.3	653.5	873.8
-7.5°	78.0	88.5	103.3	119.0	136.4	155.8	193.5	278.3	416.7	597.2	807.4
-8.75°	76.5	85.4	100.0	114.9	132.1	149.5	179.2	248.9	372.2	536.6	731.3
-10°	74.8	82.0	96.2	110.6	127.2	144.1	165.8	215.4	321.5	471.8	652.8
-11.25°	72.8	80.0	92.0	106.2	121.8	138.4	157.5	194.7	275.0	403.5	566.2
-12.5°	70.7	77.8	87.4	101.3	115.7	132.1	148.3	173.6	231.9	338.4	483.2
-13.75°	68.3	75.3	82.3	96.0	109.7	125.2	141.2	160.3	198.4	277.0	398.3
-15°	66.6	72.7	79.5	90.3	103.7	117.8	133.4	149.1	172.6	224.6	319.4
-16.25°	65.6	69.8	76.5	84.1	97.3	110.3	125.2	140.3	157.8	190.0	254.6
-17.5°	64.5	66.9	73.4	79.9	90.5	103.2	116.4	131.2	145.7	164.5	202.5
-18.75°	63.4	65.8	70.0	76.4	83.3	95.8	108.1	121.6	135.7	150.0	169.6
-20°	62.2	64.5	66.8	72.8	79.0	87.9	99.9	111.7	125.3	138.8	153.3
-21.25°	61.3	63.3	65.5	69.0	75.0	81.0	91.4	102.9	114.5	127.5	140.3





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	60.7	61.9	64.1	66.3	70.9	76.7	82.6	93.8	104.7	116.0	128.3
-23.75°	60.1	61.1	62.7	64.8	66.9	72.3	77.8	84.3	95.0	105.3	116.0
-25°	59.5	60.4	61.4	63.2	65.3	67.7	73.1	78.4	84.9	95.0	104.7
-26.25°	59.0	59.8	60.7	61.6	63.6	65.6	68.3	73.4	78.4	84.3	93.8
-27.5°	58.5	59.1	60.0	60.8	61.9	63.8	65.7	68.3	73.1	77.8	82.6
-28.75°	58.1	58.7	59.3	60.1	60.9	62.0	63.8	65.6	67.7	72.3	76.7
-30°	57.6	58.2	58.7	59.4	60.1	60.9	61.9	63.6	65.3	66.9	70.9
-31.25°	57.3	57.7	58.2	58.8	59.4	60.1	60.8	61.6	63.2	64.8	66.3
-32.5°	57.1	57.3	57.7	58.2	58.7	59.3	60.0	60.7	61.4	62.7	64.1
-33.75°	56.8	57.1	57.3	57.7	58.2	58.7	59.1	59.8	60.4	61.1	61.9
-35°	56.5	56.8	57.1	57.3	57.6	58.1	58.5	59.0	59.5	60.1	60.7
-36.25°	56.0	56.4	56.8	57.0	57.3	57.5	57.9	58.3	58.8	59.2	59.7
-37.5°	55.4	55.9	56.4	56.8	57.0	57.2	57.4	57.7	58.1	58.5	58.9
-38.75°	54.8	55.4	55.8	56.3	56.7	56.9	57.1	57.3	57.5	57.9	58.2
-40°	54.0	54.7	55.3	55.7	56.1	56.5	56.8	57.0	57.2	57.3	57.5
-41.25°	53.2	53.8	54.5	55.1	55.5	55.9	56.3	56.6	56.8	57.0	57.2
-42.5°	52.4	53.0	53.6	54.2	54.8	55.3	55.6	56.0	56.3	56.7	56.8
-43.75°	51.5	52.1	52.7	53.3	53.9	54.4	55.0	55.3	55.7	56.0	56.3
-45°	50.7	51.3	51.8	52.4	53.0	53.5	54.0	54.5	55.0	55.3	55.6
-46.25°	49.7	50.4	50.9	51.5	52.0	52.5	53.0	53.5	54.0	54.4	54.8
-47.5°	48.5	49.2	50.0	50.6	51.1	51.6	52.0	52.5	52.9	53.4	53.8
-48.75°	47.3	48.1	48.7	49.4	50.1	50.6	51.1	51.5	51.9	52.3	52.7
-50°	45.9	46.8	47.5	48.2	48.8	49.4	50.0	50.5	50.9	51.3	51.7
-51.25°	44.5	45.3	46.1	46.9	47.5	48.1	48.7	49.2	49.7	50.2	50.6
-52.5°	43.0	43.8	44.5	45.3	46.0	46.7	47.3	47.9	48.4	48.8	49.3
-53.75°	41.5	42.2	43.0	43.7	44.4	45.1	45.7	46.3	46.9	47.4	47.9
-55°	39.9	40.7	41.4	42.1	42.8	43.4	44.0	44.6	45.2	45.8	46.3
-56.25°	38.1	39.1	39.8	40.5	41.1	41.7	42.3	42.9	43.5	44.0	44.5
-57.5°	36.0	36.9	37.9	38.8	39.5	40.1	40.6	41.2	41.7	42.2	42.7
-58.75°	33.8	34.7	35.6	36.5	37.3	38.1	38.9	39.5	40.0	40.5	40.9
-60°	31.7	32.5	33.4	34.2	35.0	35.7	36.5	37.2	37.9	38.5	39.1
-61.25°	29.5	30.3	31.1	31.9	32.6	33.4	34.1	34.7	35.4	36.0	36.6
-62.5°	27.4	28.1	28.8	29.6	30.3	31.0	31.7	32.3	32.9	33.5	34.1
-63.75°	25.5	26.1	26.8	27.4	27.9	28.6	29.2	29.9	30.4	31.0	31.5
-65°	23.6	24.2	24.8	25.4	25.9	26.5	27.0	27.5	27.9	28.5	29.0
-66.25°	22.0	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.8	26.2	26.6
-67.5°	20.4	20.8	21.3	21.7	22.1	22.5	22.9	23.2	23.7	24.1	24.5
-68.75°	18.9	19.3	19.7	20.1	20.4	20.8	21.2	21.5	21.8	22.1	22.4
-70°	17.6	17.9	18.3	18.6	18.9	19.1	19.5	19.8	20.1	20.4	20.6
-71.25°	16.3	16.6	16.9	17.2	17.5	17.8	18.0	18.2	18.5	18.7	18.9
-72.5°	15.5	15.7	15.8	15.9	16.1	16.4	16.6	16.8	17.0	17.2	17.4
-73.75°	14.9	15.0	15.1	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0
-75°	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3
-76.25°	13.2	13.3	13.5	13.7	13.8	13.9	14.1	14.2	14.3	14.4	14.5
-77.5°	12.2	12.4	12.5	12.6	12.8	12.9	13.0	13.1	13.3	13.4	13.5



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.1	12.2	12.3	12.4
-80°	9.7	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9	11.0
-81.25°	8.4	8.5	8.6	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5
-82.5°	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1
-83.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6
-85°	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1	5.1
-86.25°	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6
-87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
86.25°	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
85°	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
83.75°	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1
82.5°	8.1	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
81.25°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
80°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.8
78.75°	12.5	12.5	12.6	12.7	12.8	12.8	12.9	12.9	13.0	13.0	13.1
77.5°	13.6	13.7	13.8	13.8	13.9	14.0	14.1	14.1	14.2	14.2	14.3
76.25°	14.6	14.7	14.7	14.8	14.8	14.9	14.9	15.0	15.0	15.1	15.1
75°	15.3	15.4	15.5	15.5	15.6	15.7	15.7	15.8	15.8	15.9	15.9
73.75°	16.2	16.3	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.3	17.4
72.5°	17.6	17.8	18.0	18.1	18.3	18.4	18.5	18.7	18.8	18.8	18.9
71.25°	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.4	20.6	20.7	20.8
70°	20.9	21.1	21.4	21.6	21.8	22.0	22.2	22.3	22.5	22.6	22.7
68.75°	22.7	23.0	23.2	23.5	23.8	24.0	24.3	24.5	24.7	24.9	25.0
67.5°	24.8	25.2	25.5	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.4
66.25°	27.0	27.4	27.7	28.1	28.5	28.8	29.1	29.4	29.6	29.8	30.0
65°	29.5	29.9	30.3	30.7	31.1	31.5	31.8	32.1	32.4	32.6	32.8
63.75°	32.0	32.5	33.0	33.4	33.8	34.2	34.5	34.8	35.1	35.3	35.6
62.5°	34.6	35.1	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.1	38.3
61.25°	37.2	37.7	38.2	38.7	39.1	39.4	39.7	39.9	40.1	40.3	40.5
60°	39.5	39.9	40.3	40.7	41.0	41.3	41.6	41.9	42.1	42.3	42.5
58.75°	41.4	41.8	42.2	42.5	42.9	43.2	43.5	43.8	44.0	44.3	44.5
57.5°	43.2	43.6	44.0	44.4	44.8	45.1	45.4	45.7	46.0	46.2	46.4
56.25°	45.0	45.5	45.9	46.3	46.7	47.0	47.3	47.5	47.8	48.0	48.1
55°	46.8	47.2	47.6	47.9	48.3	48.6	48.8	49.1	49.3	49.5	49.7
53.75°	48.3	48.7	49.1	49.4	49.8	50.1	50.4	50.5	50.7	50.9	51.0
52.5°	49.7	50.2	50.5	50.8	51.0	51.3	51.5	51.7	51.9	52.1	52.2
51.25°	51.0	51.3	51.6	51.9	52.2	52.4	52.6	52.9	53.1	53.2	53.4
50°	52.0	52.4	52.7	53.0	53.3	53.5	53.8	54.0	54.2	54.4	54.6
48.75°	53.1	53.5	53.8	54.1	54.4	54.7	54.9	55.1	55.3	55.4	55.5
47.5°	54.2	54.5	54.9	55.2	55.4	55.6	55.7	55.9	56.1	56.2	56.3
46.25°	55.2	55.4	55.7	55.9	56.1	56.3	56.5	56.7	56.8	56.8	56.9
45°	55.9	56.2	56.4	56.6	56.8	56.9	57.0	57.1	57.2	57.2	57.3
43.75°	56.6	56.8	56.9	57.0	57.2	57.3	57.4	57.5	57.6	57.7	57.9
42.5°	57.0	57.1	57.3	57.4	57.5	57.8	58.0	58.2	58.3	58.5	58.6
41.25°	57.3	57.5	57.8	58.0	58.3	58.5	58.7	58.9	59.1	59.4	59.6
40°	57.9	58.2	58.5	58.7	59.0	59.3	59.7	60.0	60.3	60.5	60.7
38.75°	58.5	58.9	59.2	59.6	60.0	60.4	60.8	61.1	61.4	61.9	62.4
37.5°	59.3	59.8	60.3	60.7	61.1	61.6	62.4	63.2	63.9	64.5	65.1
36.25°	60.3	60.8	61.3	62.1	63.1	64.1	64.9	65.8	66.5	67.5	69.1
35°	61.3	62.2	63.4	64.5	65.6	66.6	68.3	70.7	72.8	74.8	76.5

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	63.3	64.5	65.8	66.9	69.8	72.7	75.3	77.8	80.0	82.0	85.4
32.5°	65.5	66.8	70.0	73.4	76.5	79.5	82.3	87.4	92.0	96.2	100.0
31.25°	69.0	72.8	76.4	79.9	84.1	90.3	96.0	101.3	106.2	110.6	114.9
30°	75.0	79.0	83.3	90.5	97.3	103.7	109.7	115.7	121.8	127.2	132.1
28.75°	81.0	87.9	95.8	103.2	110.3	117.8	125.2	132.1	138.4	144.1	149.5
27.5°	91.4	99.9	108.1	116.4	125.2	133.4	141.2	148.3	157.5	165.8	179.2
26.25°	102.9	111.7	121.6	131.2	140.3	149.1	160.3	173.6	194.7	215.4	248.9
25°	114.5	125.3	135.7	145.7	157.8	172.6	198.4	231.9	275.0	321.5	372.2
23.75°	127.5	138.8	150.0	164.5	190.0	224.6	277.0	338.4	403.5	471.8	536.6
22.5°	140.3	153.3	169.6	202.5	254.6	319.4	398.3	483.2	566.2	652.8	731.3
21.25°	154.4	174.5	210.2	274.8	356.6	449.1	549.4	654.5	756.4	858.9	952.3
20°	174.5	213.1	285.0	379.2	486.6	601.7	722.5	847.0	966.4	1080.0	1181.5
18.75°	210.2	285.0	386.8	505.5	635.2	771.7	913.0	1051.7	1180.8	1298.0	1399.0
17.5°	274.8	379.2	505.5	646.5	797.6	954.0	1109.5	1253.5	1383.7	1498.9	1608.5
16.25°	356.6	486.6	635.2	797.6	968.1	1138.6	1297.8	1440.3	1575.1	1703.7	1824.7
15°	449.1	601.7	771.7	954.0	1138.6	1312.6	1469.0	1622.1	1770.6	1911.5	2043.1
13.75°	549.4	722.5	913.0	1109.5	1297.8	1469.0	1637.9	1804.6	1965.6	2117.7	2253.6
12.5°	654.5	847.0	1051.7	1253.5	1440.3	1622.1	1804.6	1983.9	2154.6	2311.1	2449.2
11.25°	756.4	966.4	1180.8	1383.7	1575.1	1770.6	1965.6	2154.6	2329.6	2488.3	2626.7
10°	858.9	1080.0	1298.0	1498.9	1703.7	1911.5	2117.7	2311.1	2488.3	2646.2	2785.5
8.75°	952.3	1181.5	1399.0	1608.5	1824.7	2043.1	2253.6	2449.2	2626.7	2785.5	2928.2
7.5°	1038.1	1270.3	1486.8	1706.9	1933.6	2159.5	2372.7	2569.2	2747.1	2908.5	3053.0
6.25°	1112.0	1345.8	1565.3	1795.0	2029.8	2259.5	2475.3	2672.3	2850.7	3014.4	3161.1
5°	1172.5	1405.2	1632.0	1868.7	2110.4	2341.8	2557.4	2754.5	2936.2	3101.1	3253.1
3.75°	1219.8	1452.0	1684.7	1927.5	2172.5	2405.7	2622.3	2820.7	3003.7	3170.1	3325.0
2.5°	1253.8	1485.8	1723.4	1970.7	2217.6	2452.2	2669.4	2867.2	3050.8	3220.7	3378.5
1.25°	1274.4	1506.3	1747.2	1996.8	2245.0	2480.5	2696.3	2895.4	3079.7	3251.9	3409.2
0°	1281.3	1513.1	1755.2	2005.6	2254.1	2490.0	2705.4	2905.0	3089.5	3262.5	3419.1
-1.25°	1274.4	1506.3	1747.2	1996.8	2245.0	2480.5	2696.3	2895.4	3079.7	3251.9	3409.2
-2.5°	1253.8	1485.8	1723.4	1970.7	2217.6	2452.2	2669.4	2867.2	3050.8	3220.7	3378.5
-3.75°	1219.8	1452.0	1684.7	1927.5	2172.5	2405.7	2622.3	2820.7	3003.7	3170.1	3325.0
-5°	1172.5	1405.2	1632.0	1868.7	2110.4	2341.8	2557.4	2754.5	2936.2	3101.1	3253.1
-6.25°	1112.0	1345.8	1565.3	1795.0	2029.8	2259.5	2475.3	2672.3	2850.7	3014.4	3161.1
-7.5°	1038.1	1270.3	1486.8	1706.9	1933.6	2159.5	2372.7	2569.2	2747.1	2908.5	3053.0
-8.75°	952.3	1181.5	1399.0	1608.5	1824.7	2043.1	2253.6	2449.2	2626.7	2785.5	2928.2
-10°	858.9	1080.0	1298.0	1498.9	1703.7	1911.5	2117.7	2311.1	2488.3	2646.2	2785.5
-11.25°	756.4	966.4	1180.8	1383.7	1575.1	1770.6	1965.6	2154.6	2329.6	2488.3	2626.7
-12.5°	654.5	847.0	1051.7	1253.5	1440.3	1622.1	1804.6	1983.9	2154.6	2311.1	2449.2
-13.75°	549.4	722.5	913.0	1109.5	1297.8	1469.0	1637.9	1804.6	1965.6	2117.7	2253.6
-15°	449.1	601.7	771.7	954.0	1138.6	1312.6	1469.0	1622.1	1770.6	1911.5	2043.1
-16.25°	356.6	486.6	635.2	797.6	968.1	1138.6	1297.8	1440.3	1575.1	1703.7	1824.7
-17.5°	274.8	379.2	505.5	646.5	797.6	954.0	1109.5	1253.5	1383.7	1498.9	1608.5
-18.75°	210.2	285.0	386.8	505.5	635.2	771.7	913.0	1051.7	1180.8	1298.0	1399.0
-20°	174.5	213.1	285.0	379.2	486.6	601.7	722.5	847.0	966.4	1080.0	1181.5
-21.25°	154.4	174.5	210.2	274.8	356.6	449.1	549.4	654.5	756.4	858.9	952.3



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	140.3	153.3	169.6	202.5	254.6	319.4	398.3	483.2	566.2	652.8	731.3
-23.75°	127.5	138.8	150.0	164.5	190.0	224.6	277.0	338.4	403.5	471.8	536.6
-25°	114.5	125.3	135.7	145.7	157.8	172.6	198.4	231.9	275.0	321.5	372.2
-26.25°	102.9	111.7	121.6	131.2	140.3	149.1	160.3	173.6	194.7	215.4	248.9
-27.5°	91.4	99.9	108.1	116.4	125.2	133.4	141.2	148.3	157.5	165.8	179.2
-28.75°	81.0	87.9	95.8	103.2	110.3	117.8	125.2	132.1	138.4	144.1	149.5
-30°	75.0	79.0	83.3	90.5	97.3	103.7	109.7	115.7	121.8	127.2	132.1
-31.25°	69.0	72.8	76.4	79.9	84.1	90.3	96.0	101.3	106.2	110.6	114.9
-32.5°	65.5	66.8	70.0	73.4	76.5	79.5	82.3	87.4	92.0	96.2	100.0
-33.75°	63.3	64.5	65.8	66.9	69.8	72.7	75.3	77.8	80.0	82.0	85.4
-35°	61.3	62.2	63.4	64.5	65.6	66.6	68.3	70.7	72.8	74.8	76.5
-36.25°	60.3	60.8	61.3	62.1	63.1	64.1	64.9	65.8	66.5	67.5	69.1
-37.5°	59.3	59.8	60.3	60.7	61.1	61.6	62.4	63.2	63.9	64.5	65.1
-38.75°	58.5	58.9	59.2	59.6	60.0	60.4	60.8	61.1	61.4	61.9	62.4
-40°	57.9	58.2	58.5	58.7	59.0	59.3	59.7	60.0	60.3	60.5	60.7
-41.25°	57.3	57.5	57.8	58.0	58.3	58.5	58.7	58.9	59.1	59.4	59.6
-42.5°	57.0	57.1	57.3	57.4	57.5	57.8	58.0	58.2	58.3	58.5	58.6
-43.75°	56.6	56.8	56.9	57.0	57.2	57.3	57.4	57.5	57.6	57.7	57.9
-45°	55.9	56.2	56.4	56.6	56.8	56.9	57.0	57.1	57.2	57.2	57.3
-46.25°	55.2	55.4	55.7	55.9	56.1	56.3	56.5	56.7	56.8	56.8	56.9
-47.5°	54.2	54.5	54.9	55.2	55.4	55.6	55.7	55.9	56.1	56.2	56.3
-48.75°	53.1	53.5	53.8	54.1	54.4	54.7	54.9	55.1	55.3	55.4	55.5
-50°	52.0	52.4	52.7	53.0	53.3	53.5	53.8	54.0	54.2	54.4	54.6
-51.25°	51.0	51.3	51.6	51.9	52.2	52.4	52.6	52.9	53.1	53.2	53.4
-52.5°	49.7	50.2	50.5	50.8	51.0	51.3	51.5	51.7	51.9	52.1	52.2
-53.75°	48.3	48.7	49.1	49.4	49.8	50.1	50.4	50.5	50.7	50.9	51.0
-55°	46.8	47.2	47.6	47.9	48.3	48.6	48.8	49.1	49.3	49.5	49.7
-56.25°	45.0	45.5	45.9	46.3	46.7	47.0	47.3	47.5	47.8	48.0	48.1
-57.5°	43.2	43.6	44.0	44.4	44.8	45.1	45.4	45.7	46.0	46.2	46.4
-58.75°	41.4	41.8	42.2	42.5	42.9	43.2	43.5	43.8	44.0	44.3	44.5
-60°	39.5	39.9	40.3	40.7	41.0	41.3	41.6	41.9	42.1	42.3	42.5
-61.25°	37.2	37.7	38.2	38.7	39.1	39.4	39.7	39.9	40.1	40.3	40.5
-62.5°	34.6	35.1	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.1	38.3
-63.75°	32.0	32.5	33.0	33.4	33.8	34.2	34.5	34.8	35.1	35.3	35.6
-65°	29.5	29.9	30.3	30.7	31.1	31.5	31.8	32.1	32.4	32.6	32.8
-66.25°	27.0	27.4	27.7	28.1	28.5	28.8	29.1	29.4	29.6	29.8	30.0
-67.5°	24.8	25.2	25.5	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.4
-68.75°	22.7	23.0	23.2	23.5	23.8	24.0	24.3	24.5	24.7	24.9	25.0
-70°	20.9	21.1	21.4	21.6	21.8	22.0	22.2	22.3	22.5	22.6	22.7
-71.25°	19.1	19.3	19.5	19.7	19.9	20.1	20.3	20.4	20.6	20.7	20.8
-72.5°	17.6	17.8	18.0	18.1	18.3	18.4	18.5	18.7	18.8	18.8	18.9
-73.75°	16.2	16.3	16.5	16.6	16.7	16.9	17.0	17.1	17.2	17.3	17.4
-75°	15.3	15.4	15.5	15.5	15.6	15.7	15.7	15.8	15.8	15.9	15.9
-76.25°	14.6	14.7	14.7	14.8	14.8	14.9	14.9	15.0	15.0	15.1	15.1
-77.5°	13.6	13.7	13.8	13.8	13.9	14.0	14.1	14.1	14.2	14.2	14.3



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	12.5	12.5	12.6	12.7	12.8	12.8	12.9	12.9	13.0	13.0	13.1
-80°	11.1	11.2	11.3	11.4	11.5	11.6	11.6	11.7	11.8	11.8	11.8
-81.25°	9.6	9.7	9.8	9.9	9.9	10.0	10.1	10.1	10.2	10.2	10.3
-82.5°	8.1	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7	8.7
-83.75°	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1
-85°	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
-86.25°	3.7	3.7	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9
-87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220477 (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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
86.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
85°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
83.75°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
82.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
81.25°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
80°	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
78.75°	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
76.25°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
75°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
73.75°	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
72.5°	19.0	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1
71.25°	20.9	21.0	21.0	21.1	21.1	21.1	21.1	21.1	21.1	21.1	21.0
70°	22.8	22.9	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.0	23.0
68.75°	25.1	25.2	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.3
67.5°	27.5	27.6	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.7
66.25°	30.2	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.6	30.6	30.5
65°	33.0	33.1	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
63.75°	35.8	35.9	36.1	36.2	36.2	36.3	36.3	36.3	36.2	36.2	36.1
62.5°	38.5	38.7	38.8	39.0	39.0	39.1	39.1	39.1	39.0	39.0	38.8
61.25°	40.7	40.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.0	40.9
60°	42.6	42.8	42.9	43.0	43.0	43.1	43.1	43.1	43.0	43.0	42.9
58.75°	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.1	45.0	45.0	44.9
57.5°	46.6	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.0	47.0	46.9
56.25°	48.3	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.5
55°	49.9	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.2	50.1
53.75°	51.2	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.3
52.5°	52.3	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.6	52.5
51.25°	53.5	53.6	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.8	53.7
50°	54.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.0	54.9
48.75°	55.6	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.8	55.8
47.5°	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.6	56.6
46.25°	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.0
45°	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.4
43.75°	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.2	58.2
42.5°	58.8	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.0	58.9
41.25°	59.8	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.2	60.2	60.1
40°	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.4	61.4	61.3
38.75°	62.9	63.3	63.7	63.9	64.1	64.2	64.3	64.2	64.1	63.9	63.7
37.5°	65.6	66.0	66.4	66.6	66.8	67.0	67.0	67.0	66.8	66.6	66.4
36.25°	70.6	71.8	72.8	73.6	74.1	74.5	74.6	74.5	74.1	73.6	72.8
35°	78.0	79.3	80.3	81.1	81.7	82.1	82.2	82.1	81.7	81.1	80.3

REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	88.5	91.2	93.4	95.1	96.4	97.1	97.4	97.1	96.4	95.1	93.4
32.5°	103.3	106.1	108.4	110.2	111.5	112.2	112.5	112.2	111.5	110.2	108.4
31.25°	119.0	122.5	125.3	127.6	129.2	130.1	130.5	130.1	129.2	127.6	125.3
30°	136.4	140.0	143.0	145.4	147.0	148.1	148.4	148.1	147.0	145.4	143.0
28.75°	155.8	161.1	165.5	169.6	175.0	178.3	179.4	178.3	175.0	169.6	165.5
27.5°	193.5	205.8	219.5	235.0	246.1	252.8	255.0	252.8	246.1	235.0	219.5
26.25°	278.3	306.0	336.0	359.4	376.3	386.5	389.9	386.5	376.3	359.4	336.0
25°	416.7	462.3	500.6	530.7	552.4	565.4	569.8	565.4	552.4	530.7	500.6
23.75°	597.2	653.5	700.1	736.7	765.6	783.3	789.3	783.3	765.6	736.7	700.1
22.5°	807.4	873.8	928.9	974.3	1007.0	1026.8	1033.5	1026.8	1007.0	974.3	928.9
21.25°	1038.1	1112.0	1172.5	1219.8	1253.8	1274.4	1281.3	1274.4	1253.8	1219.8	1172.5
20°	1270.3	1345.8	1405.2	1452.0	1485.8	1506.3	1513.1	1506.3	1485.8	1452.0	1405.2
18.75°	1486.8	1565.3	1632.0	1684.7	1723.4	1747.2	1755.2	1747.2	1723.4	1684.7	1632.0
17.5°	1706.9	1795.0	1868.7	1927.5	1970.7	1996.8	2005.6	1996.8	1970.7	1927.5	1868.7
16.25°	1933.6	2029.8	2110.4	2172.5	2217.6	2245.0	2254.1	2245.0	2217.6	2172.5	2110.4
15°	2159.5	2259.5	2341.8	2405.7	2452.2	2480.5	2490.0	2480.5	2452.2	2405.7	2341.8
13.75°	2372.7	2475.3	2557.4	2622.3	2669.4	2696.3	2705.4	2696.3	2669.4	2622.3	2557.4
12.5°	2569.2	2672.3	2754.5	2820.7	2867.2	2895.4	2905.0	2895.4	2867.2	2820.7	2754.5
11.25°	2747.1	2850.7	2936.2	3003.7	3050.8	3079.7	3089.5	3079.7	3050.8	3003.7	2936.2
10°	2908.5	3014.4	3101.1	3170.1	3220.7	3251.9	3262.5	3251.9	3220.7	3170.1	3101.1
8.75°	3053.0	3161.1	3253.1	3325.0	3378.5	3409.2	3419.1	3409.2	3378.5	3325.0	3253.1
7.5°	3181.3	3294.5	3390.2	3460.7	3513.1	3543.1	3553.4	3543.1	3513.1	3460.7	3390.2
6.25°	3294.5	3410.1	3503.7	3574.9	3624.4	3652.3	3662.0	3652.3	3624.4	3574.9	3503.7
5°	3390.2	3503.7	3596.7	3662.2	3706.1	3732.1	3741.3	3732.1	3706.1	3662.2	3596.7
3.75°	3460.7	3574.9	3662.2	3723.3	3763.4	3787.2	3792.6	3787.2	3763.4	3723.3	3662.2
2.5°	3513.1	3624.4	3706.1	3763.4	3798.2	3814.6	3817.9	3814.6	3798.2	3763.4	3706.1
1.25°	3543.1	3652.3	3732.1	3787.2	3814.6	3826.3	3832.5	3826.3	3814.6	3787.2	3732.1
0°	3553.4	3662.0	3741.3	3792.6	3817.9	3832.5	3846.7	3832.5	3817.9	3792.6	3741.3
-1.25°	3543.1	3652.3	3732.1	3787.2	3814.6	3826.3	3832.5	3826.3	3814.6	3787.2	3732.1
-2.5°	3513.1	3624.4	3706.1	3763.4	3798.2	3814.6	3817.9	3814.6	3798.2	3763.4	3706.1
-3.75°	3460.7	3574.9	3662.2	3723.3	3763.4	3787.2	3792.6	3787.2	3763.4	3723.3	3662.2
-5°	3390.2	3503.7	3596.7	3662.2	3706.1	3732.1	3741.3	3732.1	3706.1	3662.2	3596.7
-6.25°	3294.5	3410.1	3503.7	3574.9	3624.4	3652.3	3662.0	3652.3	3624.4	3574.9	3503.7
-7.5°	3181.3	3294.5	3390.2	3460.7	3513.1	3543.1	3553.4	3543.1	3513.1	3460.7	3390.2
-8.75°	3053.0	3161.1	3253.1	3325.0	3378.5	3409.2	3419.1	3409.2	3378.5	3325.0	3253.1
-10°	2908.5	3014.4	3101.1	3170.1	3220.7	3251.9	3262.5	3251.9	3220.7	3170.1	3101.1
-11.25°	2747.1	2850.7	2936.2	3003.7	3050.8	3079.7	3089.5	3079.7	3050.8	3003.7	2936.2
-12.5°	2569.2	2672.3	2754.5	2820.7	2867.2	2895.4	2905.0	2895.4	2867.2	2820.7	2754.5
-13.75°	2372.7	2475.3	2557.4	2622.3	2669.4	2696.3	2705.4	2696.3	2669.4	2622.3	2557.4
-15°	2159.5	2259.5	2341.8	2405.7	2452.2	2480.5	2490.0	2480.5	2452.2	2405.7	2341.8
-16.25°	1933.6	2029.8	2110.4	2172.5	2217.6	2245.0	2254.1	2245.0	2217.6	2172.5	2110.4
-17.5°	1706.9	1795.0	1868.7	1927.5	1970.7	1996.8	2005.6	1996.8	1970.7	1927.5	1868.7
-18.75°	1486.8	1565.3	1632.0	1684.7	1723.4	1747.2	1755.2	1747.2	1723.4	1684.7	1632.0
-20°	1270.3	1345.8	1405.2	1452.0	1485.8	1506.3	1513.1	1506.3	1485.8	1452.0	1405.2
-21.25°	1038.1	1112.0	1172.5	1219.8	1253.8	1274.4	1281.3	1274.4	1253.8	1219.8	1172.5





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	807.4	873.8	928.9	974.3	1007.0	1026.8	1033.5	1026.8	1007.0	974.3	928.9
-23.75°	597.2	653.5	700.1	736.7	765.6	783.3	789.3	783.3	765.6	736.7	700.1
-25°	416.7	462.3	500.6	530.7	552.4	565.4	569.8	565.4	552.4	530.7	500.6
-26.25°	278.3	306.0	336.0	359.4	376.3	386.5	389.9	386.5	376.3	359.4	336.0
-27.5°	193.5	205.8	219.5	235.0	246.1	252.8	255.0	252.8	246.1	235.0	219.5
-28.75°	155.8	161.1	165.5	169.6	175.0	178.3	179.4	178.3	175.0	169.6	165.5
-30°	136.4	140.0	143.0	145.4	147.0	148.1	148.4	148.1	147.0	145.4	143.0
-31.25°	119.0	122.5	125.3	127.6	129.2	130.1	130.5	130.1	129.2	127.6	125.3
-32.5°	103.3	106.1	108.4	110.2	111.5	112.2	112.5	112.2	111.5	110.2	108.4
-33.75°	88.5	91.2	93.4	95.1	96.4	97.1	97.4	97.1	96.4	95.1	93.4
-35°	78.0	79.3	80.3	81.1	81.7	82.1	82.2	82.1	81.7	81.1	80.3
-36.25°	70.6	71.8	72.8	73.6	74.1	74.5	74.6	74.5	74.1	73.6	72.8
-37.5°	65.6	66.0	66.4	66.6	66.8	67.0	67.0	67.0	66.8	66.6	66.4
-38.75°	62.9	63.3	63.7	63.9	64.1	64.2	64.3	64.2	64.1	63.9	63.7
-40°	60.9	61.1	61.3	61.4	61.4	61.5	61.5	61.5	61.4	61.4	61.3
-41.25°	59.8	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.2	60.2	60.1
-42.5°	58.8	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.0	58.9
-43.75°	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.2	58.2
-45°	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.4
-46.25°	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.0
-47.5°	56.4	56.5	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.6	56.6
-48.75°	55.6	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.8	55.8
-50°	54.7	54.8	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.0	54.9
-51.25°	53.5	53.6	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.8	53.7
-52.5°	52.3	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.6	52.5
-53.75°	51.2	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.3
-55°	49.9	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.2	50.1
-56.25°	48.3	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.5
-57.5°	46.6	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.0	47.0	46.9
-58.75°	44.6	44.8	44.9	45.0	45.0	45.1	45.1	45.1	45.0	45.0	44.9
-60°	42.6	42.8	42.9	43.0	43.0	43.1	43.1	43.1	43.0	43.0	42.9
-61.25°	40.7	40.8	40.9	41.0	41.1	41.1	41.1	41.1	41.1	41.0	40.9
-62.5°	38.5	38.7	38.8	39.0	39.0	39.1	39.1	39.1	39.0	39.0	38.8
-63.75°	35.8	35.9	36.1	36.2	36.2	36.3	36.3	36.3	36.2	36.2	36.1
-65°	33.0	33.1	33.3	33.4	33.4	33.5	33.5	33.5	33.4	33.4	33.3
-66.25°	30.2	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.6	30.6	30.5
-67.5°	27.5	27.6	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.7
-68.75°	25.1	25.2	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.3
-70°	22.8	22.9	23.0	23.0	23.1	23.1	23.1	23.1	23.1	23.0	23.0
-71.25°	20.9	21.0	21.0	21.1	21.1	21.1	21.2	21.1	21.1	21.1	21.0
-72.5°	19.0	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1
-73.75°	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
-75°	15.9	15.9	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
-76.25°	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
-77.5°	14.3	14.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
-80°	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
-81.25°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-82.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-83.75°	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
-85°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-86.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
86.25°	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
85°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.3
83.75°	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.8	6.8
82.5°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
81.25°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
80°	11.9	11.9	11.8	11.8	11.8	11.7	11.6	11.6	11.5	11.4	11.3
78.75°	13.1	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.6
77.5°	14.3	14.3	14.3	14.2	14.2	14.1	14.1	14.0	13.9	13.8	13.8
76.25°	15.1	15.1	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.8	14.7
75°	15.9	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.5	15.5
73.75°	17.5	17.4	17.4	17.3	17.2	17.1	17.0	16.9	16.7	16.6	16.5
72.5°	19.1	19.0	18.9	18.8	18.8	18.7	18.5	18.4	18.3	18.1	18.0
71.25°	21.0	20.9	20.8	20.7	20.6	20.4	20.3	20.1	19.9	19.7	19.5
70°	22.9	22.8	22.7	22.6	22.5	22.3	22.2	22.0	21.8	21.6	21.4
68.75°	25.2	25.1	25.0	24.9	24.7	24.5	24.3	24.0	23.8	23.5	23.2
67.5°	27.6	27.5	27.4	27.2	27.0	26.8	26.6	26.4	26.1	25.8	25.5
66.25°	30.4	30.2	30.0	29.8	29.6	29.4	29.1	28.8	28.5	28.1	27.7
65°	33.1	33.0	32.8	32.6	32.4	32.1	31.8	31.5	31.1	30.7	30.3
63.75°	35.9	35.8	35.6	35.3	35.1	34.8	34.5	34.2	33.8	33.4	33.0
62.5°	38.7	38.5	38.3	38.1	37.8	37.5	37.2	36.8	36.4	36.0	35.6
61.25°	40.8	40.7	40.5	40.3	40.1	39.9	39.7	39.4	39.1	38.7	38.2
60°	42.8	42.6	42.5	42.3	42.1	41.9	41.6	41.3	41.0	40.7	40.3
58.75°	44.8	44.6	44.5	44.3	44.0	43.8	43.5	43.2	42.9	42.5	42.2
57.5°	46.8	46.6	46.4	46.2	46.0	45.7	45.4	45.1	44.8	44.4	44.0
56.25°	48.4	48.3	48.1	48.0	47.8	47.5	47.3	47.0	46.7	46.3	45.9
55°	50.0	49.9	49.7	49.5	49.3	49.1	48.8	48.6	48.3	47.9	47.6
53.75°	51.3	51.2	51.0	50.9	50.7	50.5	50.4	50.1	49.8	49.4	49.1
52.5°	52.4	52.3	52.2	52.1	51.9	51.7	51.5	51.3	51.0	50.8	50.5
51.25°	53.6	53.5	53.4	53.2	53.1	52.9	52.6	52.4	52.2	51.9	51.6
50°	54.8	54.7	54.6	54.4	54.2	54.0	53.8	53.5	53.3	53.0	52.7
48.75°	55.7	55.6	55.5	55.4	55.3	55.1	54.9	54.7	54.4	54.1	53.8
47.5°	56.5	56.4	56.3	56.2	56.1	55.9	55.7	55.6	55.4	55.2	54.9
46.25°	57.0	57.0	56.9	56.8	56.8	56.7	56.5	56.3	56.1	55.9	55.7
45°	57.4	57.3	57.3	57.2	57.2	57.1	57.0	56.9	56.8	56.6	56.4
43.75°	58.1	58.0	57.9	57.7	57.6	57.5	57.4	57.3	57.2	57.0	56.9
42.5°	58.9	58.8	58.6	58.5	58.3	58.2	58.0	57.8	57.5	57.4	57.3
41.25°	59.9	59.8	59.6	59.4	59.1	58.9	58.7	58.5	58.3	58.0	57.8
40°	61.1	60.9	60.7	60.5	60.3	60.0	59.7	59.3	59.0	58.7	58.5
38.75°	63.3	62.9	62.4	61.9	61.4	61.1	60.8	60.4	60.0	59.6	59.2
37.5°	66.0	65.6	65.1	64.5	63.9	63.2	62.4	61.6	61.1	60.7	60.3
36.25°	71.8	70.6	69.1	67.5	66.5	65.8	64.9	64.1	63.1	62.1	61.3
35°	79.3	78.0	76.5	74.8	72.8	70.7	68.3	66.6	65.6	64.5	63.4

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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	91.2	88.5	85.4	82.0	80.0	77.8	75.3	72.7	69.8	66.9	65.8
32.5°	106.1	103.3	100.0	96.2	92.0	87.4	82.3	79.5	76.5	73.4	70.0
31.25°	122.5	119.0	114.9	110.6	106.2	101.3	96.0	90.3	84.1	79.9	76.4
30°	140.0	136.4	132.1	127.2	121.8	115.7	109.7	103.7	97.3	90.5	83.3
28.75°	161.1	155.8	149.5	144.1	138.4	132.1	125.2	117.8	110.3	103.2	95.8
27.5°	205.8	193.5	179.2	165.8	157.5	148.3	141.2	133.4	125.2	116.4	108.1
26.25°	306.0	278.3	248.9	215.4	194.7	173.6	160.3	149.1	140.3	131.2	121.6
25°	462.3	416.7	372.2	321.5	275.0	231.9	198.4	172.6	157.8	145.7	135.7
23.75°	653.5	597.2	536.6	471.8	403.5	338.4	277.0	224.6	190.0	164.5	150.0
22.5°	873.8	807.4	731.3	652.8	566.2	483.2	398.3	319.4	254.6	202.5	169.6
21.25°	1112.0	1038.1	952.3	858.9	756.4	654.5	549.4	449.1	356.6	274.8	210.2
20°	1345.8	1270.3	1181.5	1080.0	966.4	847.0	722.5	601.7	486.6	379.2	285.0
18.75°	1565.3	1486.8	1399.0	1298.0	1180.8	1051.7	913.0	771.7	635.2	505.5	386.8
17.5°	1795.0	1706.9	1608.5	1498.9	1383.7	1253.5	1109.5	954.0	797.6	646.5	505.5
16.25°	2029.8	1933.6	1824.7	1703.7	1575.1	1440.3	1297.8	1138.6	968.1	797.6	635.2
15°	2259.5	2159.5	2043.1	1911.5	1770.6	1622.1	1469.0	1312.6	1138.6	954.0	771.7
13.75°	2475.3	2372.7	2253.6	2117.7	1965.6	1804.6	1637.9	1469.0	1297.8	1109.5	913.0
12.5°	2672.3	2569.2	2449.2	2311.1	2154.6	1983.9	1804.6	1622.1	1440.3	1253.5	1051.7
11.25°	2850.7	2747.1	2626.7	2488.3	2329.6	2154.6	1965.6	1770.6	1575.1	1383.7	1180.8
10°	3014.4	2908.5	2785.5	2646.2	2488.3	2311.1	2117.7	1911.5	1703.7	1498.9	1298.0
8.75°	3161.1	3053.0	2928.2	2785.5	2626.7	2449.2	2253.6	2043.1	1824.7	1608.5	1399.0
7.5°	3294.5	3181.3	3053.0	2908.5	2747.1	2569.2	2372.7	2159.5	1933.6	1706.9	1486.8
6.25°	3410.1	3294.5	3161.1	3014.4	2850.7	2672.3	2475.3	2259.5	2029.8	1795.0	1565.3
5°	3503.7	3390.2	3253.1	3101.1	2936.2	2754.5	2557.4	2341.8	2110.4	1868.7	1632.0
3.75°	3574.9	3460.7	3325.0	3170.1	3003.7	2820.7	2622.3	2405.7	2172.5	1927.5	1684.7
2.5°	3624.4	3513.1	3378.5	3220.7	3050.8	2867.2	2669.4	2452.2	2217.6	1970.7	1723.4
1.25°	3652.3	3543.1	3409.2	3251.9	3079.7	2895.4	2696.3	2480.5	2245.0	1996.8	1747.2
0°	3662.0	3553.4	3419.1	3262.5	3089.5	2905.0	2705.4	2490.0	2254.1	2005.6	1755.2
-1.25°	3652.3	3543.1	3409.2	3251.9	3079.7	2895.4	2696.3	2480.5	2245.0	1996.8	1747.2
-2.5°	3624.4	3513.1	3378.5	3220.7	3050.8	2867.2	2669.4	2452.2	2217.6	1970.7	1723.4
-3.75°	3574.9	3460.7	3325.0	3170.1	3003.7	2820.7	2622.3	2405.7	2172.5	1927.5	1684.7
-5°	3503.7	3390.2	3253.1	3101.1	2936.2	2754.5	2557.4	2341.8	2110.4	1868.7	1632.0
-6.25°	3410.1	3294.5	3161.1	3014.4	2850.7	2672.3	2475.3	2259.5	2029.8	1795.0	1565.3
-7.5°	3294.5	3181.3	3053.0	2908.5	2747.1	2569.2	2372.7	2159.5	1933.6	1706.9	1486.8
-8.75°	3161.1	3053.0	2928.2	2785.5	2626.7	2449.2	2253.6	2043.1	1824.7	1608.5	1399.0
-10°	3014.4	2908.5	2785.5	2646.2	2488.3	2311.1	2117.7	1911.5	1703.7	1498.9	1298.0
-11.25°	2850.7	2747.1	2626.7	2488.3	2329.6	2154.6	1965.6	1770.6	1575.1	1383.7	1180.8
-12.5°	2672.3	2569.2	2449.2	2311.1	2154.6	1983.9	1804.6	1622.1	1440.3	1253.5	1051.7
-13.75°	2475.3	2372.7	2253.6	2117.7	1965.6	1804.6	1637.9	1469.0	1297.8	1109.5	913.0
-15°	2259.5	2159.5	2043.1	1911.5	1770.6	1622.1	1469.0	1312.6	1138.6	954.0	771.7
-16.25°	2029.8	1933.6	1824.7	1703.7	1575.1	1440.3	1297.8	1138.6	968.1	797.6	635.2
-17.5°	1795.0	1706.9	1608.5	1498.9	1383.7	1253.5	1109.5	954.0	797.6	646.5	505.5
-18.75°	1565.3	1486.8	1399.0	1298.0	1180.8	1051.7	913.0	771.7	635.2	505.5	386.8
-20°	1345.8	1270.3	1181.5	1080.0	966.4	847.0	722.5	601.7	486.6	379.2	285.0
-21.25°	1112.0	1038.1	952.3	858.9	756.4	654.5	549.4	449.1	356.6	274.8	210.2



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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°	873.8	807.4	731.3	652.8	566.2	483.2	398.3	319.4	254.6	202.5	169.6
-23.75°	653.5	597.2	536.6	471.8	403.5	338.4	277.0	224.6	190.0	164.5	150.0
-25°	462.3	416.7	372.2	321.5	275.0	231.9	198.4	172.6	157.8	145.7	135.7
-26.25°	306.0	278.3	248.9	215.4	194.7	173.6	160.3	149.1	140.3	131.2	121.6
-27.5°	205.8	193.5	179.2	165.8	157.5	148.3	141.2	133.4	125.2	116.4	108.1
-28.75°	161.1	155.8	149.5	144.1	138.4	132.1	125.2	117.8	110.3	103.2	95.8
-30°	140.0	136.4	132.1	127.2	121.8	115.7	109.7	103.7	97.3	90.5	83.3
-31.25°	122.5	119.0	114.9	110.6	106.2	101.3	96.0	90.3	84.1	79.9	76.4
-32.5°	106.1	103.3	100.0	96.2	92.0	87.4	82.3	79.5	76.5	73.4	70.0
-33.75°	91.2	88.5	85.4	82.0	80.0	77.8	75.3	72.7	69.8	66.9	65.8
-35°	79.3	78.0	76.5	74.8	72.8	70.7	68.3	66.6	65.6	64.5	63.4
-36.25°	71.8	70.6	69.1	67.5	66.5	65.8	64.9	64.1	63.1	62.1	61.3
-37.5°	66.0	65.6	65.1	64.5	63.9	63.2	62.4	61.6	61.1	60.7	60.3
-38.75°	63.3	62.9	62.4	61.9	61.4	61.1	60.8	60.4	60.0	59.6	59.2
-40°	61.1	60.9	60.7	60.5	60.3	60.0	59.7	59.3	59.0	58.7	58.5
-41.25°	59.9	59.8	59.6	59.4	59.1	58.9	58.7	58.5	58.3	58.0	57.8
-42.5°	58.9	58.8	58.6	58.5	58.3	58.2	58.0	57.8	57.5	57.4	57.3
-43.75°	58.1	58.0	57.9	57.7	57.6	57.5	57.4	57.3	57.2	57.0	56.9
-45°	57.4	57.3	57.3	57.2	57.2	57.1	57.0	56.9	56.8	56.6	56.4
-46.25°	57.0	57.0	56.9	56.8	56.8	56.7	56.5	56.3	56.1	55.9	55.7
-47.5°	56.5	56.4	56.3	56.2	56.1	55.9	55.7	55.6	55.4	55.2	54.9
-48.75°	55.7	55.6	55.5	55.4	55.3	55.1	54.9	54.7	54.4	54.1	53.8
-50°	54.8	54.7	54.6	54.4	54.2	54.0	53.8	53.5	53.3	53.0	52.7
-51.25°	53.6	53.5	53.4	53.2	53.1	52.9	52.6	52.4	52.2	51.9	51.6
-52.5°	52.4	52.3	52.2	52.1	51.9	51.7	51.5	51.3	51.0	50.8	50.5
-53.75°	51.3	51.2	51.0	50.9	50.7	50.5	50.4	50.1	49.8	49.4	49.1
-55°	50.0	49.9	49.7	49.5	49.3	49.1	48.8	48.6	48.3	47.9	47.6
-56.25°	48.4	48.3	48.1	48.0	47.8	47.5	47.3	47.0	46.7	46.3	45.9
-57.5°	46.8	46.6	46.4	46.2	46.0	45.7	45.4	45.1	44.8	44.4	44.0
-58.75°	44.8	44.6	44.5	44.3	44.0	43.8	43.5	43.2	42.9	42.5	42.2
-60°	42.8	42.6	42.5	42.3	42.1	41.9	41.6	41.3	41.0	40.7	40.3
-61.25°	40.8	40.7	40.5	40.3	40.1	39.9	39.7	39.4	39.1	38.7	38.2
-62.5°	38.7	38.5	38.3	38.1	37.8	37.5	37.2	36.8	36.4	36.0	35.6
-63.75°	35.9	35.8	35.6	35.3	35.1	34.8	34.5	34.2	33.8	33.4	33.0
-65°	33.1	33.0	32.8	32.6	32.4	32.1	31.8	31.5	31.1	30.7	30.3
-66.25°	30.4	30.2	30.0	29.8	29.6	29.4	29.1	28.8	28.5	28.1	27.7
-67.5°	27.6	27.5	27.4	27.2	27.0	26.8	26.6	26.4	26.1	25.8	25.5
-68.75°	25.2	25.1	25.0	24.9	24.7	24.5	24.3	24.0	23.8	23.5	23.2
-70°	22.9	22.8	22.7	22.6	22.5	22.3	22.2	22.0	21.8	21.6	21.4
-71.25°	21.0	20.9	20.8	20.7	20.6	20.4	20.3	20.1	19.9	19.7	19.5
-72.5°	19.1	19.0	18.9	18.8	18.8	18.7	18.5	18.4	18.3	18.1	18.0
-73.75°	17.5	17.4	17.4	17.3	17.2	17.1	17.0	16.9	16.7	16.6	16.5
-75°	15.9	15.9	15.9	15.9	15.8	15.8	15.7	15.7	15.6	15.5	15.5
-76.25°	15.1	15.1	15.1	15.1	15.0	15.0	14.9	14.9	14.8	14.8	14.7
-77.5°	14.3	14.3	14.3	14.2	14.2	14.1	14.1	14.0	13.9	13.8	13.8



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	13.1	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.6
-80°	11.9	11.9	11.8	11.8	11.8	11.7	11.6	11.6	11.5	11.4	11.3
-81.25°	10.3	10.3	10.3	10.2	10.2	10.1	10.1	10.0	9.9	9.9	9.8
-82.5°	8.7	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3
-83.75°	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.8	6.8
-85°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.3
-86.25°	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
-87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
86.25°	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.2
85°	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6
83.75°	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9
82.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
81.25°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6
80°	11.2	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0
78.75°	12.5	12.5	12.4	12.3	12.2	12.1	12.0	11.8	11.7	11.5	11.3
77.5°	13.7	13.6	13.5	13.4	13.3	13.1	13.0	12.9	12.8	12.6	12.5
76.25°	14.7	14.6	14.5	14.4	14.3	14.2	14.1	13.9	13.8	13.7	13.5
75°	15.4	15.3	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.6	14.5
73.75°	16.3	16.2	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.3	15.1
72.5°	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.4	16.1	15.9	15.8
71.25°	19.3	19.1	18.9	18.7	18.5	18.2	18.0	17.8	17.5	17.2	16.9
70°	21.1	20.9	20.6	20.4	20.1	19.8	19.5	19.1	18.9	18.6	18.3
68.75°	23.0	22.7	22.4	22.1	21.8	21.5	21.2	20.8	20.4	20.1	19.7
67.5°	25.2	24.8	24.5	24.1	23.7	23.2	22.9	22.5	22.1	21.7	21.3
66.25°	27.4	27.0	26.6	26.2	25.8	25.4	24.9	24.4	23.9	23.4	22.9
65°	29.9	29.5	29.0	28.5	27.9	27.5	27.0	26.5	25.9	25.4	24.8
63.75°	32.5	32.0	31.5	31.0	30.4	29.9	29.2	28.6	27.9	27.4	26.8
62.5°	35.1	34.6	34.1	33.5	32.9	32.3	31.7	31.0	30.3	29.6	28.8
61.25°	37.7	37.2	36.6	36.0	35.4	34.7	34.1	33.4	32.6	31.9	31.1
60°	39.9	39.5	39.1	38.5	37.9	37.2	36.5	35.7	35.0	34.2	33.4
58.75°	41.8	41.4	40.9	40.5	40.0	39.5	38.9	38.1	37.3	36.5	35.6
57.5°	43.6	43.2	42.7	42.2	41.7	41.2	40.6	40.1	39.5	38.8	37.9
56.25°	45.5	45.0	44.5	44.0	43.5	42.9	42.3	41.7	41.1	40.5	39.8
55°	47.2	46.8	46.3	45.8	45.2	44.6	44.0	43.4	42.8	42.1	41.4
53.75°	48.7	48.3	47.9	47.4	46.9	46.3	45.7	45.1	44.4	43.7	43.0
52.5°	50.2	49.7	49.3	48.8	48.4	47.9	47.3	46.7	46.0	45.3	44.5
51.25°	51.3	51.0	50.6	50.2	49.7	49.2	48.7	48.1	47.5	46.9	46.1
50°	52.4	52.0	51.7	51.3	50.9	50.5	50.0	49.4	48.8	48.2	47.5
48.75°	53.5	53.1	52.7	52.3	51.9	51.5	51.1	50.6	50.1	49.4	48.7
47.5°	54.5	54.2	53.8	53.4	52.9	52.5	52.0	51.6	51.1	50.6	50.0
46.25°	55.4	55.2	54.8	54.4	54.0	53.5	53.0	52.5	52.0	51.5	50.9
45°	56.2	55.9	55.6	55.3	55.0	54.5	54.0	53.5	53.0	52.4	51.8
43.75°	56.8	56.6	56.3	56.0	55.7	55.3	55.0	54.4	53.9	53.3	52.7
42.5°	57.1	57.0	56.8	56.7	56.3	56.0	55.6	55.3	54.8	54.2	53.6
41.25°	57.5	57.3	57.2	57.0	56.8	56.6	56.3	55.9	55.5	55.1	54.5
40°	58.2	57.9	57.5	57.3	57.2	57.0	56.8	56.5	56.1	55.7	55.3
38.75°	58.9	58.5	58.2	57.9	57.5	57.3	57.1	56.9	56.7	56.3	55.8
37.5°	59.8	59.3	58.9	58.5	58.1	57.7	57.4	57.2	57.0	56.8	56.4
36.25°	60.8	60.3	59.7	59.2	58.8	58.3	57.9	57.5	57.3	57.0	56.8
35°	62.2	61.3	60.7	60.1	59.5	59.0	58.5	58.1	57.6	57.3	57.1



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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°	64.5	63.3	61.9	61.1	60.4	59.8	59.1	58.7	58.2	57.7	57.3
32.5°	66.8	65.5	64.1	62.7	61.4	60.7	60.0	59.3	58.7	58.2	57.7
31.25°	72.8	69.0	66.3	64.8	63.2	61.6	60.8	60.1	59.4	58.8	58.2
30°	79.0	75.0	70.9	66.9	65.3	63.6	61.9	60.9	60.1	59.4	58.7
28.75°	87.9	81.0	76.7	72.3	67.7	65.6	63.8	62.0	60.9	60.1	59.3
27.5°	99.9	91.4	82.6	77.8	73.1	68.3	65.7	63.8	61.9	60.8	60.0
26.25°	111.7	102.9	93.8	84.3	78.4	73.4	68.3	65.6	63.6	61.6	60.7
25°	125.3	114.5	104.7	95.0	84.9	78.4	73.1	67.7	65.3	63.2	61.4
23.75°	138.8	127.5	116.0	105.3	95.0	84.3	77.8	72.3	66.9	64.8	62.7
22.5°	153.3	140.3	128.3	116.0	104.7	93.8	82.6	76.7	70.9	66.3	64.1
21.25°	174.5	154.4	140.3	127.5	114.5	102.9	91.4	81.0	75.0	69.0	65.5
20°	213.1	174.5	153.3	138.8	125.3	111.7	99.9	87.9	79.0	72.8	66.8
18.75°	285.0	210.2	169.6	150.0	135.7	121.6	108.1	95.8	83.3	76.4	70.0
17.5°	379.2	274.8	202.5	164.5	145.7	131.2	116.4	103.2	90.5	79.9	73.4
16.25°	486.6	356.6	254.6	190.0	157.8	140.3	125.2	110.3	97.3	84.1	76.5
15°	601.7	449.1	319.4	224.6	172.6	149.1	133.4	117.8	103.7	90.3	79.5
13.75°	722.5	549.4	398.3	277.0	198.4	160.3	141.2	125.2	109.7	96.0	82.3
12.5°	847.0	654.5	483.2	338.4	231.9	173.6	148.3	132.1	115.7	101.3	87.4
11.25°	966.4	756.4	566.2	403.5	275.0	194.7	157.5	138.4	121.8	106.2	92.0
10°	1080.0	858.9	652.8	471.8	321.5	215.4	165.8	144.1	127.2	110.6	96.2
8.75°	1181.5	952.3	731.3	536.6	372.2	248.9	179.2	149.5	132.1	114.9	100.0
7.5°	1270.3	1038.1	807.4	597.2	416.7	278.3	193.5	155.8	136.4	119.0	103.3
6.25°	1345.8	1112.0	873.8	653.5	462.3	306.0	205.8	161.1	140.0	122.5	106.1
5°	1405.2	1172.5	928.9	700.1	500.6	336.0	219.5	165.5	143.0	125.3	108.4
3.75°	1452.0	1219.8	974.3	736.7	530.7	359.4	235.0	169.6	145.4	127.6	110.2
2.5°	1485.8	1253.8	1007.0	765.6	552.4	376.3	246.1	175.0	147.0	129.2	111.5
1.25°	1506.3	1274.4	1026.8	783.3	565.4	386.5	252.8	178.3	148.1	130.1	112.2
0°	1513.1	1281.3	1033.5	789.3	569.8	389.9	255.0	179.4	148.4	130.5	112.5
-1.25°	1506.3	1274.4	1026.8	783.3	565.4	386.5	252.8	178.3	148.1	130.1	112.2
-2.5°	1485.8	1253.8	1007.0	765.6	552.4	376.3	246.1	175.0	147.0	129.2	111.5
-3.75°	1452.0	1219.8	974.3	736.7	530.7	359.4	235.0	169.6	145.4	127.6	110.2
-5°	1405.2	1172.5	928.9	700.1	500.6	336.0	219.5	165.5	143.0	125.3	108.4
-6.25°	1345.8	1112.0	873.8	653.5	462.3	306.0	205.8	161.1	140.0	122.5	106.1
-7.5°	1270.3	1038.1	807.4	597.2	416.7	278.3	193.5	155.8	136.4	119.0	103.3
-8.75°	1181.5	952.3	731.3	536.6	372.2	248.9	179.2	149.5	132.1	114.9	100.0
-10°	1080.0	858.9	652.8	471.8	321.5	215.4	165.8	144.1	127.2	110.6	96.2
-11.25°	966.4	756.4	566.2	403.5	275.0	194.7	157.5	138.4	121.8	106.2	92.0
-12.5°	847.0	654.5	483.2	338.4	231.9	173.6	148.3	132.1	115.7	101.3	87.4
-13.75°	722.5	549.4	398.3	277.0	198.4	160.3	141.2	125.2	109.7	96.0	82.3
-15°	601.7	449.1	319.4	224.6	172.6	149.1	133.4	117.8	103.7	90.3	79.5
-16.25°	486.6	356.6	254.6	190.0	157.8	140.3	125.2	110.3	97.3	84.1	76.5
-17.5°	379.2	274.8	202.5	164.5	145.7	131.2	116.4	103.2	90.5	79.9	73.4
-18.75°	285.0	210.2	169.6	150.0	135.7	121.6	108.1	95.8	83.3	76.4	70.0
-20°	213.1	174.5	153.3	138.8	125.3	111.7	99.9	87.9	79.0	72.8	66.8
-21.25°	174.5	154.4	140.3	127.5	114.5	102.9	91.4	81.0	75.0	69.0	65.5





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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	153.3	140.3	128.3	116.0	104.7	93.8	82.6	76.7	70.9	66.3	64.1
-23.75°	138.8	127.5	116.0	105.3	95.0	84.3	77.8	72.3	66.9	64.8	62.7
-25°	125.3	114.5	104.7	95.0	84.9	78.4	73.1	67.7	65.3	63.2	61.4
-26.25°	111.7	102.9	93.8	84.3	78.4	73.4	68.3	65.6	63.6	61.6	60.7
-27.5°	99.9	91.4	82.6	77.8	73.1	68.3	65.7	63.8	61.9	60.8	60.0
-28.75°	87.9	81.0	76.7	72.3	67.7	65.6	63.8	62.0	60.9	60.1	59.3
-30°	79.0	75.0	70.9	66.9	65.3	63.6	61.9	60.9	60.1	59.4	58.7
-31.25°	72.8	69.0	66.3	64.8	63.2	61.6	60.8	60.1	59.4	58.8	58.2
-32.5°	66.8	65.5	64.1	62.7	61.4	60.7	60.0	59.3	58.7	58.2	57.7
-33.75°	64.5	63.3	61.9	61.1	60.4	59.8	59.1	58.7	58.2	57.7	57.3
-35°	62.2	61.3	60.7	60.1	59.5	59.0	58.5	58.1	57.6	57.3	57.1
-36.25°	60.8	60.3	59.7	59.2	58.8	58.3	57.9	57.5	57.3	57.0	56.8
-37.5°	59.8	59.3	58.9	58.5	58.1	57.7	57.4	57.2	57.0	56.8	56.4
-38.75°	58.9	58.5	58.2	57.9	57.5	57.3	57.1	56.9	56.7	56.3	55.8
-40°	58.2	57.9	57.5	57.3	57.2	57.0	56.8	56.5	56.1	55.7	55.3
-41.25°	57.5	57.3	57.2	57.0	56.8	56.6	56.3	55.9	55.5	55.1	54.5
-42.5°	57.1	57.0	56.8	56.7	56.3	56.0	55.6	55.3	54.8	54.2	53.6
-43.75°	56.8	56.6	56.3	56.0	55.7	55.3	55.0	54.4	53.9	53.3	52.7
-45°	56.2	55.9	55.6	55.3	55.0	54.5	54.0	53.5	53.0	52.4	51.8
-46.25°	55.4	55.2	54.8	54.4	54.0	53.5	53.0	52.5	52.0	51.5	50.9
-47.5°	54.5	54.2	53.8	53.4	52.9	52.5	52.0	51.6	51.1	50.6	50.0
-48.75°	53.5	53.1	52.7	52.3	51.9	51.5	51.1	50.6	50.1	49.4	48.7
-50°	52.4	52.0	51.7	51.3	50.9	50.5	50.0	49.4	48.8	48.2	47.5
-51.25°	51.3	51.0	50.6	50.2	49.7	49.2	48.7	48.1	47.5	46.9	46.1
-52.5°	50.2	49.7	49.3	48.8	48.4	47.9	47.3	46.7	46.0	45.3	44.5
-53.75°	48.7	48.3	47.9	47.4	46.9	46.3	45.7	45.1	44.4	43.7	43.0
-55°	47.2	46.8	46.3	45.8	45.2	44.6	44.0	43.4	42.8	42.1	41.4
-56.25°	45.5	45.0	44.5	44.0	43.5	42.9	42.3	41.7	41.1	40.5	39.8
-57.5°	43.6	43.2	42.7	42.2	41.7	41.2	40.6	40.1	39.5	38.8	37.9
-58.75°	41.8	41.4	40.9	40.5	40.0	39.5	38.9	38.1	37.3	36.5	35.6
-60°	39.9	39.5	39.1	38.5	37.9	37.2	36.5	35.7	35.0	34.2	33.4
-61.25°	37.7	37.2	36.6	36.0	35.4	34.7	34.1	33.4	32.6	31.9	31.1
-62.5°	35.1	34.6	34.1	33.5	32.9	32.3	31.7	31.0	30.3	29.6	28.8
-63.75°	32.5	32.0	31.5	31.0	30.4	29.9	29.2	28.6	27.9	27.4	26.8
-65°	29.9	29.5	29.0	28.5	27.9	27.5	27.0	26.5	25.9	25.4	24.8
-66.25°	27.4	27.0	26.6	26.2	25.8	25.4	24.9	24.4	23.9	23.4	22.9
-67.5°	25.2	24.8	24.5	24.1	23.7	23.2	22.9	22.5	22.1	21.7	21.3
-68.75°	23.0	22.7	22.4	22.1	21.8	21.5	21.2	20.8	20.4	20.1	19.7
-70°	21.1	20.9	20.6	20.4	20.1	19.8	19.5	19.1	18.9	18.6	18.3
-71.25°	19.3	19.1	18.9	18.7	18.5	18.2	18.0	17.8	17.5	17.2	16.9
-72.5°	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.4	16.1	15.9	15.8
-73.75°	16.3	16.2	16.0	15.9	15.8	15.7	15.6	15.5	15.4	15.3	15.1
-75°	15.4	15.3	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.6	14.5
-76.25°	14.7	14.6	14.5	14.4	14.3	14.2	14.1	13.9	13.8	13.7	13.5
-77.5°	13.7	13.6	13.5	13.4	13.3	13.1	13.0	12.9	12.8	12.6	12.5



REPORT NUMBER: P220477 (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°
-78.75°	12.5	12.5	12.4	12.3	12.2	12.1	12.0	11.8	11.7	11.5	11.3
-80°	11.2	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0
-81.25°	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.6
-82.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3
-83.75°	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9
-85°	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6
-86.25°	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.2
-87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
86.25°	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
85°	4.5	4.4	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6
83.75°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.7
82.5°	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8
81.25°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.3	7.1	6.9
80°	9.8	9.7	9.5	9.3	9.2	9.0	8.8	8.6	8.4	8.2	8.0
78.75°	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1
77.5°	12.4	12.2	12.1	11.9	11.6	11.4	11.2	11.0	10.7	10.5	10.2
76.25°	13.3	13.2	13.0	12.8	12.7	12.5	12.3	12.1	11.9	11.6	11.3
75°	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.7	12.5	12.3
73.75°	15.0	14.9	14.7	14.6	14.5	14.3	14.1	13.8	13.6	13.4	13.1
72.5°	15.7	15.5	15.4	15.2	15.1	14.9	14.8	14.6	14.4	14.2	13.9
71.25°	16.6	16.3	16.0	15.9	15.7	15.5	15.4	15.2	15.0	14.8	14.6
70°	17.9	17.6	17.3	17.0	16.6	16.2	15.9	15.7	15.6	15.4	15.2
68.75°	19.3	18.9	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.9	15.7
67.5°	20.8	20.4	19.9	19.5	19.0	18.6	18.2	17.8	17.3	16.9	16.4
66.25°	22.4	22.0	21.5	21.0	20.5	19.9	19.4	18.9	18.4	18.0	17.5
65°	24.2	23.6	23.0	22.5	21.9	21.4	20.8	20.2	19.6	19.1	18.6
63.75°	26.1	25.5	24.8	24.1	23.4	22.8	22.2	21.6	21.0	20.3	19.7
62.5°	28.1	27.4	26.7	26.0	25.2	24.5	23.7	22.9	22.3	21.6	20.9
61.25°	30.3	29.5	28.6	27.8	27.0	26.2	25.4	24.6	23.7	22.9	22.2
60°	32.5	31.7	30.8	29.9	28.9	27.9	27.1	26.2	25.4	24.5	23.5
58.75°	34.7	33.8	32.9	31.9	31.0	30.0	28.9	27.9	27.0	26.0	25.1
57.5°	36.9	36.0	35.0	34.0	33.0	31.9	30.9	29.8	28.7	27.6	26.6
56.25°	39.1	38.1	37.1	36.1	35.0	33.9	32.8	31.7	30.5	29.3	28.1
55°	40.7	39.9	39.2	38.1	37.0	35.9	34.7	33.5	32.3	31.1	29.8
53.75°	42.2	41.5	40.7	39.9	39.0	37.8	36.6	35.4	34.1	32.9	31.6
52.5°	43.8	43.0	42.1	41.3	40.5	39.6	38.5	37.2	35.9	34.6	33.3
51.25°	45.3	44.5	43.6	42.7	41.9	40.9	40.0	39.1	37.7	36.3	35.0
50°	46.8	45.9	45.1	44.2	43.2	42.3	41.3	40.4	39.4	38.1	36.6
48.75°	48.1	47.3	46.5	45.6	44.6	43.6	42.6	41.6	40.6	39.6	38.3
47.5°	49.2	48.5	47.8	47.0	46.0	45.0	43.9	42.9	41.8	40.8	39.7
46.25°	50.4	49.7	48.9	48.1	47.3	46.3	45.2	44.1	43.0	41.9	40.8
45°	51.3	50.7	50.0	49.2	48.3	47.5	46.5	45.4	44.2	43.1	41.9
43.75°	52.1	51.5	50.9	50.3	49.4	48.5	47.6	46.6	45.4	44.2	43.0
42.5°	53.0	52.4	51.7	51.1	50.4	49.5	48.6	47.6	46.6	45.4	44.1
41.25°	53.8	53.2	52.5	51.9	51.2	50.5	49.6	48.6	47.6	46.5	45.2
40°	54.7	54.0	53.3	52.6	51.9	51.2	50.5	49.5	48.5	47.5	46.3
38.75°	55.4	54.8	54.1	53.4	52.7	51.9	51.2	50.4	49.4	48.3	47.3
37.5°	55.9	55.4	54.9	54.1	53.4	52.6	51.9	51.1	50.3	49.2	48.1
36.25°	56.4	56.0	55.5	54.9	54.1	53.3	52.5	51.7	50.9	50.0	48.9
35°	56.8	56.5	56.0	55.4	54.8	54.0	53.2	52.4	51.5	50.7	49.7



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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	57.1	56.8	56.4	55.9	55.4	54.7	53.8	53.0	52.1	51.3	50.4
32.5°	57.3	57.1	56.8	56.4	55.8	55.3	54.5	53.6	52.7	51.8	50.9
31.25°	57.7	57.3	57.0	56.8	56.3	55.7	55.1	54.2	53.3	52.4	51.5
30°	58.2	57.6	57.3	57.0	56.7	56.1	55.5	54.8	53.9	53.0	52.0
28.75°	58.7	58.1	57.5	57.2	56.9	56.5	55.9	55.3	54.4	53.5	52.5
27.5°	59.1	58.5	57.9	57.4	57.1	56.8	56.3	55.6	55.0	54.0	53.0
26.25°	59.8	59.0	58.3	57.7	57.3	57.0	56.6	56.0	55.3	54.5	53.5
25°	60.4	59.5	58.8	58.1	57.5	57.2	56.8	56.3	55.7	55.0	54.0
23.75°	61.1	60.1	59.2	58.5	57.9	57.3	57.0	56.7	56.0	55.3	54.4
22.5°	61.9	60.7	59.7	58.9	58.2	57.5	57.2	56.8	56.3	55.6	54.8
21.25°	63.3	61.3	60.3	59.3	58.5	57.9	57.3	57.0	56.6	55.9	55.2
20°	64.5	62.2	60.8	59.8	58.9	58.2	57.5	57.1	56.8	56.2	55.4
18.75°	65.8	63.4	61.3	60.3	59.2	58.5	57.8	57.3	56.9	56.4	55.7
17.5°	66.9	64.5	62.1	60.7	59.6	58.7	58.0	57.4	57.0	56.6	55.9
16.25°	69.8	65.6	63.1	61.1	60.0	59.0	58.3	57.5	57.2	56.8	56.1
15°	72.7	66.6	64.1	61.6	60.4	59.3	58.5	57.8	57.3	56.9	56.3
13.75°	75.3	68.3	64.9	62.4	60.8	59.7	58.7	58.0	57.4	57.0	56.5
12.5°	77.8	70.7	65.8	63.2	61.1	60.0	58.9	58.2	57.5	57.1	56.7
11.25°	80.0	72.8	66.5	63.9	61.4	60.3	59.1	58.3	57.6	57.2	56.8
10°	82.0	74.8	67.5	64.5	61.9	60.5	59.4	58.5	57.7	57.2	56.8
8.75°	85.4	76.5	69.1	65.1	62.4	60.7	59.6	58.6	57.9	57.3	56.9
7.5°	88.5	78.0	70.6	65.6	62.9	60.9	59.8	58.8	58.0	57.3	57.0
6.25°	91.2	79.3	71.8	66.0	63.3	61.1	59.9	58.9	58.1	57.4	57.0
5°	93.4	80.3	72.8	66.4	63.7	61.3	60.1	58.9	58.2	57.4	57.0
3.75°	95.1	81.1	73.6	66.6	63.9	61.4	60.2	59.0	58.2	57.5	57.1
2.5°	96.4	81.7	74.1	66.8	64.1	61.4	60.2	59.1	58.3	57.5	57.1
1.25°	97.1	82.1	74.5	67.0	64.2	61.5	60.3	59.1	58.3	57.5	57.1
0°	97.4	82.2	74.6	67.0	64.3	61.5	60.3	59.1	58.3	57.5	57.1
-1.25°	97.1	82.1	74.5	67.0	64.2	61.5	60.3	59.1	58.3	57.5	57.1
-2.5°	96.4	81.7	74.1	66.8	64.1	61.4	60.2	59.1	58.3	57.5	57.1
-3.75°	95.1	81.1	73.6	66.6	63.9	61.4	60.2	59.0	58.2	57.5	57.1
-5°	93.4	80.3	72.8	66.4	63.7	61.3	60.1	58.9	58.2	57.4	57.0
-6.25°	91.2	79.3	71.8	66.0	63.3	61.1	59.9	58.9	58.1	57.4	57.0
-7.5°	88.5	78.0	70.6	65.6	62.9	60.9	59.8	58.8	58.0	57.3	57.0
-8.75°	85.4	76.5	69.1	65.1	62.4	60.7	59.6	58.6	57.9	57.3	56.9
-10°	82.0	74.8	67.5	64.5	61.9	60.5	59.4	58.5	57.7	57.2	56.8
-11.25°	80.0	72.8	66.5	63.9	61.4	60.3	59.1	58.3	57.6	57.2	56.8
-12.5°	77.8	70.7	65.8	63.2	61.1	60.0	58.9	58.2	57.5	57.1	56.7
-13.75°	75.3	68.3	64.9	62.4	60.8	59.7	58.7	58.0	57.4	57.0	56.5
-15°	72.7	66.6	64.1	61.6	60.4	59.3	58.5	57.8	57.3	56.9	56.3
-16.25°	69.8	65.6	63.1	61.1	60.0	59.0	58.3	57.5	57.2	56.8	56.1
-17.5°	66.9	64.5	62.1	60.7	59.6	58.7	58.0	57.4	57.0	56.6	55.9
-18.75°	65.8	63.4	61.3	60.3	59.2	58.5	57.8	57.3	56.9	56.4	55.7
-20°	64.5	62.2	60.8	59.8	58.9	58.2	57.5	57.1	56.8	56.2	55.4
-21.25°	63.3	61.3	60.3	59.3	58.5	57.9	57.3	57.0	56.6	55.9	55.2



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	61.9	60.7	59.7	58.9	58.2	57.5	57.2	56.8	56.3	55.6	54.8
-23.75°	61.1	60.1	59.2	58.5	57.9	57.3	57.0	56.7	56.0	55.3	54.4
-25°	60.4	59.5	58.8	58.1	57.5	57.2	56.8	56.3	55.7	55.0	54.0
-26.25°	59.8	59.0	58.3	57.7	57.3	57.0	56.6	56.0	55.3	54.5	53.5
-27.5°	59.1	58.5	57.9	57.4	57.1	56.8	56.3	55.6	55.0	54.0	53.0
-28.75°	58.7	58.1	57.5	57.2	56.9	56.5	55.9	55.3	54.4	53.5	52.5
-30°	58.2	57.6	57.3	57.0	56.7	56.1	55.5	54.8	53.9	53.0	52.0
-31.25°	57.7	57.3	57.0	56.8	56.3	55.7	55.1	54.2	53.3	52.4	51.5
-32.5°	57.3	57.1	56.8	56.4	55.8	55.3	54.5	53.6	52.7	51.8	50.9
-33.75°	57.1	56.8	56.4	55.9	55.4	54.7	53.8	53.0	52.1	51.3	50.4
-35°	56.8	56.5	56.0	55.4	54.8	54.0	53.2	52.4	51.5	50.7	49.7
-36.25°	56.4	56.0	55.5	54.9	54.1	53.3	52.5	51.7	50.9	50.0	48.9
-37.5°	55.9	55.4	54.9	54.1	53.4	52.6	51.9	51.1	50.3	49.2	48.1
-38.75°	55.4	54.8	54.1	53.4	52.7	51.9	51.2	50.4	49.4	48.3	47.3
-40°	54.7	54.0	53.3	52.6	51.9	51.2	50.5	49.5	48.5	47.5	46.3
-41.25°	53.8	53.2	52.5	51.9	51.2	50.5	49.6	48.6	47.6	46.5	45.2
-42.5°	53.0	52.4	51.7	51.1	50.4	49.5	48.6	47.6	46.6	45.4	44.1
-43.75°	52.1	51.5	50.9	50.3	49.4	48.5	47.6	46.6	45.4	44.2	43.0
-45°	51.3	50.7	50.0	49.2	48.3	47.5	46.5	45.4	44.2	43.1	41.9
-46.25°	50.4	49.7	48.9	48.1	47.3	46.3	45.2	44.1	43.0	41.9	40.8
-47.5°	49.2	48.5	47.8	47.0	46.0	45.0	43.9	42.9	41.8	40.8	39.7
-48.75°	48.1	47.3	46.5	45.6	44.6	43.6	42.6	41.6	40.6	39.6	38.3
-50°	46.8	45.9	45.1	44.2	43.2	42.3	41.3	40.4	39.4	38.1	36.6
-51.25°	45.3	44.5	43.6	42.7	41.9	40.9	40.0	39.1	37.7	36.3	35.0
-52.5°	43.8	43.0	42.1	41.3	40.5	39.6	38.5	37.2	35.9	34.6	33.3
-53.75°	42.2	41.5	40.7	39.9	39.0	37.8	36.6	35.4	34.1	32.9	31.6
-55°	40.7	39.9	39.2	38.1	37.0	35.9	34.7	33.5	32.3	31.1	29.8
-56.25°	39.1	38.1	37.1	36.1	35.0	33.9	32.8	31.7	30.5	29.3	28.1
-57.5°	36.9	36.0	35.0	34.0	33.0	31.9	30.9	29.8	28.7	27.6	26.6
-58.75°	34.7	33.8	32.9	31.9	31.0	30.0	28.9	27.9	27.0	26.0	25.1
-60°	32.5	31.7	30.8	29.9	28.9	27.9	27.1	26.2	25.4	24.5	23.5
-61.25°	30.3	29.5	28.6	27.8	27.0	26.2	25.4	24.6	23.7	22.9	22.2
-62.5°	28.1	27.4	26.7	26.0	25.2	24.5	23.7	22.9	22.3	21.6	20.9
-63.75°	26.1	25.5	24.8	24.1	23.4	22.8	22.2	21.6	21.0	20.3	19.7
-65°	24.2	23.6	23.0	22.5	21.9	21.4	20.8	20.2	19.6	19.1	18.6
-66.25°	22.4	22.0	21.5	21.0	20.5	19.9	19.4	18.9	18.4	18.0	17.5
-67.5°	20.8	20.4	19.9	19.5	19.0	18.6	18.2	17.8	17.3	16.9	16.4
-68.75°	19.3	18.9	18.6	18.2	17.8	17.4	17.0	16.6	16.2	15.9	15.7
-70°	17.9	17.6	17.3	17.0	16.6	16.2	15.9	15.7	15.6	15.4	15.2
-71.25°	16.6	16.3	16.0	15.9	15.7	15.5	15.4	15.2	15.0	14.8	14.6
-72.5°	15.7	15.5	15.4	15.2	15.1	14.9	14.8	14.6	14.4	14.2	13.9
-73.75°	15.0	14.9	14.7	14.6	14.5	14.3	14.1	13.8	13.6	13.4	13.1
-75°	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0	12.7	12.5	12.3
-76.25°	13.3	13.2	13.0	12.8	12.7	12.5	12.3	12.1	11.9	11.6	11.3
-77.5°	12.4	12.2	12.1	11.9	11.6	11.4	11.2	11.0	10.7	10.5	10.2



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1
-80°	9.8	9.7	9.5	9.3	9.2	9.0	8.8	8.6	8.4	8.2	8.0
-81.25°	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.3	7.1	6.9
-82.5°	7.2	7.1	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8
-83.75°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.7
-85°	4.5	4.4	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6
-86.25°	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
-87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
86.25°	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
85°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
83.75°	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.2
82.5°	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0
81.25°	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8
80°	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.1	5.8	5.6
78.75°	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.6	6.4
77.5°	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.2
76.25°	11.0	10.7	10.4	10.2	9.8	9.5	9.2	8.9	8.6	8.3	7.9
75°	12.1	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.7
73.75°	12.9	12.6	12.3	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
72.5°	13.7	13.4	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.3
71.25°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	11.9	11.5	11.0
70°	15.0	14.7	14.5	14.3	13.9	13.6	13.3	12.9	12.6	12.2	11.8
68.75°	15.5	15.2	15.0	14.8	14.6	14.3	13.9	13.6	13.2	12.8	12.4
67.5°	16.0	15.8	15.5	15.3	15.0	14.8	14.5	14.2	13.8	13.4	13.0
66.25°	17.0	16.5	16.0	15.7	15.5	15.2	14.9	14.7	14.4	14.0	13.6
65°	18.0	17.5	17.0	16.4	15.9	15.7	15.4	15.1	14.8	14.5	14.1
63.75°	19.1	18.5	17.9	17.4	16.8	16.2	15.8	15.5	15.2	14.9	14.6
62.5°	20.3	19.6	18.9	18.3	17.7	17.1	16.5	15.9	15.6	15.3	14.9
61.25°	21.5	20.7	20.0	19.2	18.6	18.0	17.3	16.6	16.0	15.6	15.3
60°	22.7	21.9	21.1	20.4	19.5	18.8	18.1	17.4	16.7	16.0	15.7
58.75°	24.1	23.1	22.3	21.5	20.6	19.8	19.0	18.2	17.5	16.8	16.0
57.5°	25.6	24.5	23.5	22.6	21.7	20.8	19.9	19.0	18.3	17.5	16.7
56.25°	27.0	26.0	24.9	23.8	22.7	21.8	20.9	19.9	19.0	18.2	17.4
55°	28.6	27.4	26.2	25.1	23.9	22.8	21.9	20.9	19.9	19.0	18.1
53.75°	30.2	28.9	27.6	26.4	25.2	24.0	22.8	21.8	20.8	19.8	18.8
52.5°	31.9	30.5	29.1	27.7	26.5	25.2	23.9	22.7	21.7	20.6	19.5
51.25°	33.5	32.1	30.6	29.2	27.7	26.4	25.1	23.8	22.6	21.5	20.4
50°	35.2	33.7	32.2	30.6	29.1	27.6	26.2	24.9	23.5	22.3	21.1
48.75°	36.8	35.2	33.7	32.1	30.5	28.9	27.4	26.0	24.5	23.1	21.9
47.5°	38.3	36.8	35.2	33.5	31.9	30.2	28.6	27.0	25.6	24.1	22.7
46.25°	39.7	38.3	36.6	35.0	33.3	31.6	29.8	28.1	26.6	25.1	23.5
45°	40.8	39.6	38.1	36.3	34.6	32.9	31.1	29.3	27.6	26.0	24.5
43.75°	41.8	40.6	39.4	37.7	35.9	34.1	32.3	30.5	28.7	27.0	25.4
42.5°	42.9	41.6	40.4	39.1	37.2	35.4	33.5	31.7	29.8	27.9	26.2
41.25°	43.9	42.6	41.3	40.0	38.5	36.6	34.7	32.8	30.9	28.9	27.1
40°	45.0	43.6	42.3	40.9	39.6	37.8	35.9	33.9	31.9	30.0	27.9
38.75°	46.0	44.6	43.2	41.9	40.5	39.0	37.0	35.0	33.0	31.0	28.9
37.5°	47.0	45.6	44.2	42.7	41.3	39.9	38.1	36.1	34.0	31.9	29.9
36.25°	47.8	46.5	45.1	43.6	42.1	40.7	39.2	37.1	35.0	32.9	30.8
35°	48.5	47.3	45.9	44.5	43.0	41.5	39.9	38.1	36.0	33.8	31.7



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	49.2	48.1	46.8	45.3	43.8	42.2	40.7	39.1	36.9	34.7	32.5
32.5°	50.0	48.7	47.5	46.1	44.5	43.0	41.4	39.8	37.9	35.6	33.4
31.25°	50.6	49.4	48.2	46.9	45.3	43.7	42.1	40.5	38.8	36.5	34.2
30°	51.1	50.1	48.8	47.5	46.0	44.4	42.8	41.1	39.5	37.3	35.0
28.75°	51.6	50.6	49.4	48.1	46.7	45.1	43.4	41.7	40.1	38.1	35.7
27.5°	52.0	51.1	50.0	48.7	47.3	45.7	44.0	42.3	40.6	38.9	36.5
26.25°	52.5	51.5	50.5	49.2	47.9	46.3	44.6	42.9	41.2	39.5	37.2
25°	52.9	51.9	50.9	49.7	48.4	46.9	45.2	43.5	41.7	40.0	37.9
23.75°	53.4	52.3	51.3	50.2	48.8	47.4	45.8	44.0	42.2	40.5	38.5
22.5°	53.8	52.7	51.7	50.6	49.3	47.9	46.3	44.5	42.7	40.9	39.1
21.25°	54.2	53.1	52.0	51.0	49.7	48.3	46.8	45.0	43.2	41.4	39.5
20°	54.5	53.5	52.4	51.3	50.2	48.7	47.2	45.5	43.6	41.8	39.9
18.75°	54.9	53.8	52.7	51.6	50.5	49.1	47.6	45.9	44.0	42.2	40.3
17.5°	55.2	54.1	53.0	51.9	50.8	49.4	47.9	46.3	44.4	42.5	40.7
16.25°	55.4	54.4	53.3	52.2	51.0	49.8	48.3	46.7	44.8	42.9	41.0
15°	55.6	54.7	53.5	52.4	51.3	50.1	48.6	47.0	45.1	43.2	41.3
13.75°	55.7	54.9	53.8	52.6	51.5	50.4	48.8	47.3	45.4	43.5	41.6
12.5°	55.9	55.1	54.0	52.9	51.7	50.5	49.1	47.5	45.7	43.8	41.9
11.25°	56.1	55.3	54.2	53.1	51.9	50.7	49.3	47.8	46.0	44.0	42.1
10°	56.2	55.4	54.4	53.2	52.1	50.9	49.5	48.0	46.2	44.3	42.3
8.75°	56.3	55.5	54.6	53.4	52.2	51.0	49.7	48.1	46.4	44.5	42.5
7.5°	56.4	55.6	54.7	53.5	52.3	51.2	49.9	48.3	46.6	44.6	42.6
6.25°	56.5	55.7	54.8	53.6	52.4	51.3	50.0	48.4	46.8	44.8	42.8
5°	56.6	55.8	54.9	53.7	52.5	51.3	50.1	48.5	46.9	44.9	42.9
3.75°	56.6	55.8	55.0	53.8	52.6	51.4	50.2	48.6	47.0	45.0	43.0
2.5°	56.7	55.9	55.1	53.9	52.7	51.5	50.3	48.7	47.0	45.0	43.0
1.25°	56.7	55.9	55.1	53.9	52.7	51.5	50.3	48.7	47.1	45.1	43.1
0°	56.7	55.9	55.1	53.9	52.7	51.5	50.3	48.7	47.1	45.1	43.1
-1.25°	56.7	55.9	55.1	53.9	52.7	51.5	50.3	48.7	47.1	45.1	43.1
-2.5°	56.7	55.9	55.1	53.9	52.7	51.5	50.3	48.7	47.0	45.0	43.0
-3.75°	56.6	55.8	55.0	53.8	52.6	51.4	50.2	48.6	47.0	45.0	43.0
-5°	56.6	55.8	54.9	53.7	52.5	51.3	50.1	48.5	46.9	44.9	42.9
-6.25°	56.5	55.7	54.8	53.6	52.4	51.3	50.0	48.4	46.8	44.8	42.8
-7.5°	56.4	55.6	54.7	53.5	52.3	51.2	49.9	48.3	46.6	44.6	42.6
-8.75°	56.3	55.5	54.6	53.4	52.2	51.0	49.7	48.1	46.4	44.5	42.5
-10°	56.2	55.4	54.4	53.2	52.1	50.9	49.5	48.0	46.2	44.3	42.3
-11.25°	56.1	55.3	54.2	53.1	51.9	50.7	49.3	47.8	46.0	44.0	42.1
-12.5°	55.9	55.1	54.0	52.9	51.7	50.5	49.1	47.5	45.7	43.8	41.9
-13.75°	55.7	54.9	53.8	52.6	51.5	50.4	48.8	47.3	45.4	43.5	41.6
-15°	55.6	54.7	53.5	52.4	51.3	50.1	48.6	47.0	45.1	43.2	41.3
-16.25°	55.4	54.4	53.3	52.2	51.0	49.8	48.3	46.7	44.8	42.9	41.0
-17.5°	55.2	54.1	53.0	51.9	50.8	49.4	47.9	46.3	44.4	42.5	40.7
-18.75°	54.9	53.8	52.7	51.6	50.5	49.1	47.6	45.9	44.0	42.2	40.3
-20°	54.5	53.5	52.4	51.3	50.2	48.7	47.2	45.5	43.6	41.8	39.9
-21.25°	54.2	53.1	52.0	51.0	49.7	48.3	46.8	45.0	43.2	41.4	39.5





REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	53.8	52.7	51.7	50.6	49.3	47.9	46.3	44.5	42.7	40.9	39.1
-23.75°	53.4	52.3	51.3	50.2	48.8	47.4	45.8	44.0	42.2	40.5	38.5
-25°	52.9	51.9	50.9	49.7	48.4	46.9	45.2	43.5	41.7	40.0	37.9
-26.25°	52.5	51.5	50.5	49.2	47.9	46.3	44.6	42.9	41.2	39.5	37.2
-27.5°	52.0	51.1	50.0	48.7	47.3	45.7	44.0	42.3	40.6	38.9	36.5
-28.75°	51.6	50.6	49.4	48.1	46.7	45.1	43.4	41.7	40.1	38.1	35.7
-30°	51.1	50.1	48.8	47.5	46.0	44.4	42.8	41.1	39.5	37.3	35.0
-31.25°	50.6	49.4	48.2	46.9	45.3	43.7	42.1	40.5	38.8	36.5	34.2
-32.5°	50.0	48.7	47.5	46.1	44.5	43.0	41.4	39.8	37.9	35.6	33.4
-33.75°	49.2	48.1	46.8	45.3	43.8	42.2	40.7	39.1	36.9	34.7	32.5
-35°	48.5	47.3	45.9	44.5	43.0	41.5	39.9	38.1	36.0	33.8	31.7
-36.25°	47.8	46.5	45.1	43.6	42.1	40.7	39.2	37.1	35.0	32.9	30.8
-37.5°	47.0	45.6	44.2	42.7	41.3	39.9	38.1	36.1	34.0	31.9	29.9
-38.75°	46.0	44.6	43.2	41.9	40.5	39.0	37.0	35.0	33.0	31.0	28.9
-40°	45.0	43.6	42.3	40.9	39.6	37.8	35.9	33.9	31.9	30.0	27.9
-41.25°	43.9	42.6	41.3	40.0	38.5	36.6	34.7	32.8	30.9	28.9	27.1
-42.5°	42.9	41.6	40.4	39.1	37.2	35.4	33.5	31.7	29.8	27.9	26.2
-43.75°	41.8	40.6	39.4	37.7	35.9	34.1	32.3	30.5	28.7	27.0	25.4
-45°	40.8	39.6	38.1	36.3	34.6	32.9	31.1	29.3	27.6	26.0	24.5
-46.25°	39.7	38.3	36.6	35.0	33.3	31.6	29.8	28.1	26.6	25.1	23.5
-47.5°	38.3	36.8	35.2	33.5	31.9	30.2	28.6	27.0	25.6	24.1	22.7
-48.75°	36.8	35.2	33.7	32.1	30.5	28.9	27.4	26.0	24.5	23.1	21.9
-50°	35.2	33.7	32.2	30.6	29.1	27.6	26.2	24.9	23.5	22.3	21.1
-51.25°	33.5	32.1	30.6	29.2	27.7	26.4	25.1	23.8	22.6	21.5	20.4
-52.5°	31.9	30.5	29.1	27.7	26.5	25.2	23.9	22.7	21.7	20.6	19.5
-53.75°	30.2	28.9	27.6	26.4	25.2	24.0	22.8	21.8	20.8	19.8	18.8
-55°	28.6	27.4	26.2	25.1	23.9	22.8	21.9	20.9	19.9	19.0	18.1
-56.25°	27.0	26.0	24.9	23.8	22.7	21.8	20.9	19.9	19.0	18.2	17.4
-57.5°	25.6	24.5	23.5	22.6	21.7	20.8	19.9	19.0	18.3	17.5	16.7
-58.75°	24.1	23.1	22.3	21.5	20.6	19.8	19.0	18.2	17.5	16.8	16.0
-60°	22.7	21.9	21.1	20.4	19.5	18.8	18.1	17.4	16.7	16.0	15.7
-61.25°	21.5	20.7	20.0	19.2	18.6	18.0	17.3	16.6	16.0	15.6	15.3
-62.5°	20.3	19.6	18.9	18.3	17.7	17.1	16.5	15.9	15.6	15.3	14.9
-63.75°	19.1	18.5	17.9	17.4	16.8	16.2	15.8	15.5	15.2	14.9	14.6
-65°	18.0	17.5	17.0	16.4	15.9	15.7	15.4	15.1	14.8	14.5	14.1
-66.25°	17.0	16.5	16.0	15.7	15.5	15.2	14.9	14.7	14.4	14.0	13.6
-67.5°	16.0	15.8	15.5	15.3	15.0	14.8	14.5	14.2	13.8	13.4	13.0
-68.75°	15.5	15.2	15.0	14.8	14.6	14.3	13.9	13.6	13.2	12.8	12.4
-70°	15.0	14.7	14.5	14.3	13.9	13.6	13.3	12.9	12.6	12.2	11.8
-71.25°	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	11.9	11.5	11.0
-72.5°	13.7	13.4	13.1	12.8	12.5	12.2	11.9	11.5	11.1	10.7	10.3
-73.75°	12.9	12.6	12.3	12.1	11.8	11.4	11.0	10.6	10.3	9.9	9.5
-75°	12.1	11.8	11.5	11.1	10.8	10.5	10.1	9.8	9.4	9.1	8.7
-76.25°	11.0	10.7	10.4	10.2	9.8	9.5	9.2	8.9	8.6	8.3	7.9
-77.5°	10.0	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.5	7.2



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.6	6.4
-80°	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.3	6.1	5.8	5.6
-81.25°	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8
-82.5°	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3	4.2	4.0
-83.75°	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.2
-85°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
-86.25°	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-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: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
83.75°	3.0	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
82.5°	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0
81.25°	4.6	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.6	2.3
80°	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.0	2.8
78.75°	6.1	5.8	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.2
77.5°	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.6	4.3	4.0	3.6
76.25°	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.2	4.8	4.4	4.1
75°	8.4	8.0	7.6	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5
73.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4	4.9
72.5°	9.8	9.4	9.0	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.4
71.25°	10.6	10.1	9.7	9.2	8.7	8.2	7.8	7.3	6.8	6.3	5.8
70°	11.3	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2
68.75°	12.0	11.5	11.0	10.5	9.9	9.4	8.9	8.3	7.8	7.2	6.7
67.5°	12.6	12.2	11.7	11.1	10.5	10.0	9.4	8.8	8.2	7.7	7.1
66.25°	13.1	12.7	12.3	11.7	11.1	10.5	9.9	9.3	8.7	8.1	7.5
65°	13.7	13.2	12.7	12.3	11.7	11.1	10.5	9.8	9.2	8.5	7.9
63.75°	14.2	13.7	13.2	12.7	12.3	11.7	11.0	10.3	9.7	9.0	8.3
62.5°	14.6	14.2	13.7	13.2	12.7	12.2	11.5	10.8	10.1	9.4	8.7
61.25°	15.0	14.6	14.2	13.7	13.1	12.6	12.0	11.3	10.6	9.8	9.1
60°	15.3	14.9	14.6	14.1	13.6	13.0	12.4	11.8	11.0	10.3	9.5
58.75°	15.6	15.3	14.9	14.5	14.0	13.4	12.8	12.2	11.5	10.7	9.9
57.5°	16.0	15.6	15.2	14.8	14.4	13.8	13.2	12.6	11.9	11.1	10.3
56.25°	16.6	15.9	15.5	15.1	14.7	14.2	13.6	12.9	12.3	11.5	10.6
55°	17.3	16.5	15.8	15.4	14.9	14.5	13.9	13.3	12.6	11.9	11.0
53.75°	18.0	17.1	16.2	15.7	15.2	14.8	14.3	13.6	12.9	12.2	11.4
52.5°	18.6	17.7	16.8	15.9	15.5	15.0	14.6	13.9	13.2	12.5	11.8
51.25°	19.2	18.3	17.4	16.4	15.7	15.3	14.8	14.3	13.5	12.8	12.1
50°	20.0	18.9	17.9	17.0	16.0	15.5	15.0	14.5	13.8	13.1	12.3
48.75°	20.7	19.6	18.5	17.5	16.5	15.8	15.2	14.7	14.1	13.4	12.6
47.5°	21.5	20.3	19.1	18.0	17.0	16.0	15.5	15.0	14.4	13.7	12.9
46.25°	22.2	20.9	19.7	18.6	17.5	16.4	15.7	15.2	14.6	13.9	13.1
45°	22.9	21.6	20.3	19.1	18.0	16.9	15.9	15.4	14.8	14.2	13.4
43.75°	23.7	22.3	21.0	19.6	18.4	17.3	16.2	15.6	15.0	14.4	13.6
42.5°	24.6	22.9	21.6	20.2	18.9	17.8	16.6	15.7	15.2	14.6	13.8
41.25°	25.4	23.7	22.2	20.8	19.4	18.2	17.0	15.9	15.4	14.8	14.1
40°	26.2	24.5	22.8	21.4	19.9	18.6	17.4	16.2	15.5	14.9	14.3
38.75°	27.0	25.2	23.4	21.9	20.5	19.0	17.8	16.6	15.7	15.1	14.5
37.5°	27.8	26.0	24.1	22.5	21.0	19.5	18.2	17.0	15.9	15.2	14.6
36.25°	28.6	26.7	24.8	23.0	21.5	19.9	18.6	17.3	16.0	15.4	14.7
35°	29.5	27.4	25.5	23.6	22.0	20.4	18.9	17.6	16.3	15.5	14.9

REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	30.3	28.1	26.1	24.2	22.4	20.8	19.3	17.9	16.6	15.7	15.0
32.5°	31.1	28.8	26.8	24.8	22.9	21.3	19.7	18.3	16.9	15.8	15.1
31.25°	31.9	29.6	27.4	25.4	23.4	21.7	20.1	18.6	17.2	15.9	15.3
30°	32.6	30.3	27.9	25.9	23.9	22.1	20.4	18.9	17.5	16.1	15.4
28.75°	33.4	31.0	28.6	26.5	24.4	22.5	20.8	19.1	17.8	16.4	15.5
27.5°	34.1	31.7	29.2	27.0	24.9	22.9	21.2	19.5	18.0	16.6	15.6
26.25°	34.7	32.3	29.9	27.5	25.4	23.2	21.5	19.8	18.2	16.8	15.7
25°	35.4	32.9	30.4	27.9	25.8	23.7	21.8	20.1	18.5	17.0	15.8
23.75°	36.0	33.5	31.0	28.5	26.2	24.1	22.1	20.4	18.7	17.2	15.9
22.5°	36.6	34.1	31.5	29.0	26.6	24.5	22.4	20.6	18.9	17.4	16.0
21.25°	37.2	34.6	32.0	29.5	27.0	24.8	22.7	20.9	19.1	17.6	16.2
20°	37.7	35.1	32.5	29.9	27.4	25.2	23.0	21.1	19.3	17.8	16.3
18.75°	38.2	35.6	33.0	30.3	27.7	25.5	23.2	21.4	19.5	18.0	16.5
17.5°	38.7	36.0	33.4	30.7	28.1	25.8	23.5	21.6	19.7	18.1	16.6
16.25°	39.1	36.4	33.8	31.1	28.5	26.1	23.8	21.8	19.9	18.3	16.7
15°	39.4	36.8	34.2	31.5	28.8	26.4	24.0	22.0	20.1	18.4	16.9
13.75°	39.7	37.2	34.5	31.8	29.1	26.6	24.3	22.2	20.3	18.5	17.0
12.5°	39.9	37.5	34.8	32.1	29.4	26.8	24.5	22.3	20.4	18.7	17.1
11.25°	40.1	37.8	35.1	32.4	29.6	27.0	24.7	22.5	20.6	18.8	17.2
10°	40.3	38.1	35.3	32.6	29.8	27.2	24.9	22.6	20.7	18.8	17.3
8.75°	40.5	38.3	35.6	32.8	30.0	27.4	25.0	22.7	20.8	18.9	17.4
7.5°	40.7	38.5	35.8	33.0	30.2	27.5	25.1	22.8	20.9	19.0	17.4
6.25°	40.8	38.7	35.9	33.1	30.4	27.6	25.2	22.9	21.0	19.1	17.5
5°	40.9	38.8	36.1	33.3	30.5	27.7	25.3	23.0	21.0	19.1	17.5
3.75°	41.0	39.0	36.2	33.4	30.6	27.8	25.4	23.0	21.1	19.2	17.6
2.5°	41.1	39.0	36.2	33.4	30.6	27.9	25.5	23.1	21.1	19.2	17.6
1.25°	41.1	39.1	36.3	33.5	30.7	27.9	25.5	23.1	21.1	19.2	17.6
0°	41.1	39.1	36.3	33.5	30.7	27.9	25.5	23.1	21.1	19.2	17.6
-1.25°	41.1	39.1	36.3	33.5	30.7	27.9	25.5	23.1	21.1	19.2	17.6
-2.5°	41.1	39.0	36.2	33.4	30.6	27.9	25.5	23.1	21.1	19.2	17.6
-3.75°	41.0	39.0	36.2	33.4	30.6	27.8	25.4	23.0	21.1	19.2	17.6
-5°	40.9	38.8	36.1	33.3	30.5	27.7	25.3	23.0	21.0	19.1	17.5
-6.25°	40.8	38.7	35.9	33.1	30.4	27.6	25.2	22.9	21.0	19.1	17.5
-7.5°	40.7	38.5	35.8	33.0	30.2	27.5	25.1	22.8	20.9	19.0	17.4
-8.75°	40.5	38.3	35.6	32.8	30.0	27.4	25.0	22.7	20.8	18.9	17.4
-10°	40.3	38.1	35.3	32.6	29.8	27.2	24.9	22.6	20.7	18.8	17.3
-11.25°	40.1	37.8	35.1	32.4	29.6	27.0	24.7	22.5	20.6	18.8	17.2
-12.5°	39.9	37.5	34.8	32.1	29.4	26.8	24.5	22.3	20.4	18.7	17.1
-13.75°	39.7	37.2	34.5	31.8	29.1	26.6	24.3	22.2	20.3	18.5	17.0
-15°	39.4	36.8	34.2	31.5	28.8	26.4	24.0	22.0	20.1	18.4	16.9
-16.25°	39.1	36.4	33.8	31.1	28.5	26.1	23.8	21.8	19.9	18.3	16.7
-17.5°	38.7	36.0	33.4	30.7	28.1	25.8	23.5	21.6	19.7	18.1	16.6
-18.75°	38.2	35.6	33.0	30.3	27.7	25.5	23.2	21.4	19.5	18.0	16.5
-20°	37.7	35.1	32.5	29.9	27.4	25.2	23.0	21.1	19.3	17.8	16.3
-21.25°	37.2	34.6	32.0	29.5	27.0	24.8	22.7	20.9	19.1	17.6	16.2



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	36.6	34.1	31.5	29.0	26.6	24.5	22.4	20.6	18.9	17.4	16.0
-23.75°	36.0	33.5	31.0	28.5	26.2	24.1	22.1	20.4	18.7	17.2	15.9
-25°	35.4	32.9	30.4	27.9	25.8	23.7	21.8	20.1	18.5	17.0	15.8
-26.25°	34.7	32.3	29.9	27.5	25.4	23.2	21.5	19.8	18.2	16.8	15.7
-27.5°	34.1	31.7	29.2	27.0	24.9	22.9	21.2	19.5	18.0	16.6	15.6
-28.75°	33.4	31.0	28.6	26.5	24.4	22.5	20.8	19.1	17.8	16.4	15.5
-30°	32.6	30.3	27.9	25.9	23.9	22.1	20.4	18.9	17.5	16.1	15.4
-31.25°	31.9	29.6	27.4	25.4	23.4	21.7	20.1	18.6	17.2	15.9	15.3
-32.5°	31.1	28.8	26.8	24.8	22.9	21.3	19.7	18.3	16.9	15.8	15.1
-33.75°	30.3	28.1	26.1	24.2	22.4	20.8	19.3	17.9	16.6	15.7	15.0
-35°	29.5	27.4	25.5	23.6	22.0	20.4	18.9	17.6	16.3	15.5	14.9
-36.25°	28.6	26.7	24.8	23.0	21.5	19.9	18.6	17.3	16.0	15.4	14.7
-37.5°	27.8	26.0	24.1	22.5	21.0	19.5	18.2	17.0	15.9	15.2	14.6
-38.75°	27.0	25.2	23.4	21.9	20.5	19.0	17.8	16.6	15.7	15.1	14.5
-40°	26.2	24.5	22.8	21.4	19.9	18.6	17.4	16.2	15.5	14.9	14.3
-41.25°	25.4	23.7	22.2	20.8	19.4	18.2	17.0	15.9	15.4	14.8	14.1
-42.5°	24.6	22.9	21.6	20.2	18.9	17.8	16.6	15.7	15.2	14.6	13.8
-43.75°	23.7	22.3	21.0	19.6	18.4	17.3	16.2	15.6	15.0	14.4	13.6
-45°	22.9	21.6	20.3	19.1	18.0	16.9	15.9	15.4	14.8	14.2	13.4
-46.25°	22.2	20.9	19.7	18.6	17.5	16.4	15.7	15.2	14.6	13.9	13.1
-47.5°	21.5	20.3	19.1	18.0	17.0	16.0	15.5	15.0	14.4	13.7	12.9
-48.75°	20.7	19.6	18.5	17.5	16.5	15.8	15.2	14.7	14.1	13.4	12.6
-50°	20.0	18.9	17.9	17.0	16.0	15.5	15.0	14.5	13.8	13.1	12.3
-51.25°	19.2	18.3	17.4	16.4	15.7	15.3	14.8	14.3	13.5	12.8	12.1
-52.5°	18.6	17.7	16.8	15.9	15.5	15.0	14.6	13.9	13.2	12.5	11.8
-53.75°	18.0	17.1	16.2	15.7	15.2	14.8	14.3	13.6	12.9	12.2	11.4
-55°	17.3	16.5	15.8	15.4	14.9	14.5	13.9	13.3	12.6	11.9	11.0
-56.25°	16.6	15.9	15.5	15.1	14.7	14.2	13.6	12.9	12.3	11.5	10.6
-57.5°	16.0	15.6	15.2	14.8	14.4	13.8	13.2	12.6	11.9	11.1	10.3
-58.75°	15.6	15.3	14.9	14.5	14.0	13.4	12.8	12.2	11.5	10.7	9.9
-60°	15.3	14.9	14.6	14.1	13.6	13.0	12.4	11.8	11.0	10.3	9.5
-61.25°	15.0	14.6	14.2	13.7	13.1	12.6	12.0	11.3	10.6	9.8	9.1
-62.5°	14.6	14.2	13.7	13.2	12.7	12.2	11.5	10.8	10.1	9.4	8.7
-63.75°	14.2	13.7	13.2	12.7	12.3	11.7	11.0	10.3	9.7	9.0	8.3
-65°	13.7	13.2	12.7	12.3	11.7	11.1	10.5	9.8	9.2	8.5	7.9
-66.25°	13.1	12.7	12.3	11.7	11.1	10.5	9.9	9.3	8.7	8.1	7.5
-67.5°	12.6	12.2	11.7	11.1	10.5	10.0	9.4	8.8	8.2	7.7	7.1
-68.75°	12.0	11.5	11.0	10.5	9.9	9.4	8.9	8.3	7.8	7.2	6.7
-70°	11.3	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2
-71.25°	10.6	10.1	9.7	9.2	8.7	8.2	7.8	7.3	6.8	6.3	5.8
-72.5°	9.8	9.4	9.0	8.5	8.1	7.7	7.2	6.8	6.3	5.8	5.4
-73.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.4	4.9
-75°	8.4	8.0	7.6	7.2	6.9	6.5	6.1	5.7	5.3	4.9	4.5
-76.25°	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.2	4.8	4.4	4.1
-77.5°	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.6	4.3	4.0	3.6



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	6.1	5.8	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.2
-80°	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.0	2.8
-81.25°	4.6	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.6	2.3
-82.5°	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0
-83.75°	3.0	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	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: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
78.75°	2.9	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
77.5°	3.3	3.0	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
76.25°	3.7	3.3	3.0	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
75°	4.1	3.7	3.3	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
73.75°	4.5	4.1	3.6	3.2	2.8	2.3	2.0	1.7	1.3	1.0	0.7
72.5°	4.9	4.4	4.0	3.5	3.0	2.6	2.2	1.8	1.4	1.1	0.7
71.25°	5.3	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.5	1.2	0.8
70°	5.7	5.2	4.6	4.1	3.6	3.0	2.5	2.0	1.6	1.2	0.8
68.75°	6.1	5.5	5.0	4.4	3.8	3.2	2.7	2.2	1.7	1.3	0.9
67.5°	6.5	5.9	5.3	4.7	4.1	3.5	2.9	2.3	1.8	1.4	0.9
66.25°	6.9	6.2	5.6	5.0	4.3	3.7	3.1	2.4	1.9	1.4	1.0
65°	7.2	6.6	5.9	5.3	4.6	3.9	3.2	2.6	2.0	1.5	1.0
63.75°	7.6	6.9	6.2	5.5	4.8	4.1	3.4	2.7	2.1	1.6	1.1
62.5°	8.0	7.3	6.5	5.8	5.1	4.4	3.6	2.9	2.2	1.7	1.1
61.25°	8.4	7.6	6.8	6.1	5.3	4.6	3.8	3.0	2.3	1.7	1.2
60°	8.7	7.9	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.8	1.2
58.75°	9.1	8.3	7.5	6.6	5.8	5.0	4.2	3.3	2.5	1.9	1.2
57.5°	9.4	8.6	7.7	6.9	6.1	5.2	4.3	3.5	2.6	1.9	1.3
56.25°	9.8	8.9	8.0	7.2	6.3	5.4	4.5	3.6	2.8	2.0	1.3
55°	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	2.9	2.1	1.4
53.75°	10.5	9.5	8.6	7.7	6.7	5.8	4.9	3.9	3.0	2.1	1.4
52.5°	10.8	9.8	8.9	7.9	7.0	6.0	5.0	4.1	3.1	2.2	1.5
51.25°	11.1	10.2	9.2	8.2	7.2	6.2	5.2	4.2	3.2	2.3	1.5
50°	11.5	10.4	9.4	8.4	7.4	6.4	5.4	4.3	3.3	2.3	1.5
48.75°	11.8	10.7	9.7	8.7	7.6	6.6	5.5	4.5	3.4	2.4	1.6
47.5°	12.1	11.0	10.0	8.9	7.8	6.8	5.7	4.6	3.5	2.4	1.6
46.25°	12.3	11.3	10.2	9.1	8.0	6.9	5.8	4.7	3.6	2.5	1.7
45°	12.5	11.6	10.5	9.3	8.2	7.1	6.0	4.9	3.7	2.6	1.7
43.75°	12.7	11.9	10.7	9.6	8.4	7.3	6.1	5.0	3.8	2.7	1.7
42.5°	13.0	12.1	11.0	9.8	8.6	7.4	6.3	5.1	3.9	2.7	1.8
41.25°	13.2	12.3	11.2	10.0	8.8	7.6	6.4	5.2	4.0	2.8	1.8
40°	13.4	12.5	11.4	10.2	9.0	7.8	6.5	5.3	4.1	2.9	1.8
38.75°	13.6	12.7	11.6	10.4	9.2	7.9	6.7	5.4	4.2	2.9	1.9
37.5°	13.8	12.8	11.9	10.6	9.3	8.1	6.8	5.5	4.3	3.0	1.9
36.25°	14.0	13.0	12.1	10.8	9.5	8.2	6.9	5.6	4.4	3.1	1.9
35°	14.2	13.2	12.2	11.0	9.7	8.4	7.1	5.7	4.4	3.1	2.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	14.3	13.3	12.4	11.1	9.8	8.5	7.2	5.8	4.5	3.2	2.0
32.5°	14.5	13.5	12.5	11.3	10.0	8.6	7.3	5.9	4.6	3.2	2.0
31.25°	14.6	13.7	12.6	11.5	10.1	8.8	7.4	6.0	4.7	3.3	2.1
30°	14.7	13.8	12.8	11.7	10.3	8.9	7.5	6.1	4.7	3.4	2.1
28.75°	14.8	13.9	12.9	11.8	10.4	9.0	7.6	6.2	4.8	3.4	2.1
27.5°	14.9	14.1	13.0	12.0	10.5	9.1	7.7	6.3	4.9	3.5	2.1
26.25°	15.0	14.2	13.1	12.1	10.7	9.2	7.8	6.4	4.9	3.5	2.2
25°	15.1	14.3	13.3	12.2	10.8	9.3	7.9	6.4	5.0	3.5	2.2
23.75°	15.2	14.4	13.4	12.3	10.9	9.4	8.0	6.5	5.1	3.6	2.2
22.5°	15.3	14.5	13.5	12.4	11.0	9.5	8.1	6.6	5.1	3.6	2.2
21.25°	15.3	14.6	13.6	12.5	11.1	9.6	8.1	6.7	5.2	3.7	2.2
20°	15.4	14.7	13.7	12.5	11.2	9.7	8.2	6.7	5.2	3.7	2.3
18.75°	15.5	14.7	13.8	12.6	11.3	9.8	8.3	6.8	5.3	3.7	2.3
17.5°	15.5	14.8	13.8	12.7	11.4	9.9	8.4	6.8	5.3	3.8	2.3
16.25°	15.6	14.8	13.9	12.8	11.5	9.9	8.4	6.9	5.3	3.8	2.3
15°	15.7	14.9	14.0	12.8	11.6	10.0	8.5	6.9	5.4	3.8	2.3
13.75°	15.7	14.9	14.1	12.9	11.6	10.1	8.5	7.0	5.4	3.9	2.3
12.5°	15.8	15.0	14.1	12.9	11.7	10.1	8.6	7.0	5.4	3.9	2.3
11.25°	15.8	15.0	14.2	13.0	11.8	10.2	8.6	7.0	5.5	3.9	2.4
10°	15.9	15.1	14.2	13.0	11.8	10.2	8.7	7.1	5.5	3.9	2.4
8.75°	15.9	15.1	14.3	13.1	11.8	10.3	8.7	7.1	5.5	3.9	2.4
7.5°	15.9	15.1	14.3	13.1	11.9	10.3	8.7	7.1	5.5	4.0	2.4
6.25°	15.9	15.1	14.3	13.1	11.9	10.3	8.7	7.2	5.6	4.0	2.4
5°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
3.75°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
2.5°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
1.25°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
0°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-1.25°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-2.5°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-3.75°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-5°	16.0	15.2	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-6.25°	15.9	15.1	14.3	13.1	11.9	10.3	8.7	7.2	5.6	4.0	2.4
-7.5°	15.9	15.1	14.3	13.1	11.9	10.3	8.7	7.1	5.5	4.0	2.4
-8.75°	15.9	15.1	14.3	13.1	11.8	10.3	8.7	7.1	5.5	3.9	2.4
-10°	15.9	15.1	14.2	13.0	11.8	10.2	8.7	7.1	5.5	3.9	2.4
-11.25°	15.8	15.0	14.2	13.0	11.8	10.2	8.6	7.0	5.5	3.9	2.4
-12.5°	15.8	15.0	14.1	12.9	11.7	10.1	8.6	7.0	5.4	3.9	2.3
-13.75°	15.7	14.9	14.1	12.9	11.6	10.1	8.5	7.0	5.4	3.9	2.3
-15°	15.7	14.9	14.0	12.8	11.6	10.0	8.5	6.9	5.4	3.8	2.3
-16.25°	15.6	14.8	13.9	12.8	11.5	9.9	8.4	6.9	5.3	3.8	2.3
-17.5°	15.5	14.8	13.8	12.7	11.4	9.9	8.4	6.8	5.3	3.8	2.3
-18.75°	15.5	14.7	13.8	12.6	11.3	9.8	8.3	6.8	5.3	3.7	2.3
-20°	15.4	14.7	13.7	12.5	11.2	9.7	8.2	6.7	5.2	3.7	2.3
-21.25°	15.3	14.6	13.6	12.5	11.1	9.6	8.1	6.7	5.2	3.7	2.2



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	15.3	14.5	13.5	12.4	11.0	9.5	8.1	6.6	5.1	3.6	2.2
-23.75°	15.2	14.4	13.4	12.3	10.9	9.4	8.0	6.5	5.1	3.6	2.2
-25°	15.1	14.3	13.3	12.2	10.8	9.3	7.9	6.4	5.0	3.5	2.2
-26.25°	15.0	14.2	13.1	12.1	10.7	9.2	7.8	6.4	4.9	3.5	2.2
-27.5°	14.9	14.1	13.0	12.0	10.5	9.1	7.7	6.3	4.9	3.5	2.1
-28.75°	14.8	13.9	12.9	11.8	10.4	9.0	7.6	6.2	4.8	3.4	2.1
-30°	14.7	13.8	12.8	11.7	10.3	8.9	7.5	6.1	4.7	3.4	2.1
-31.25°	14.6	13.7	12.6	11.5	10.1	8.8	7.4	6.0	4.7	3.3	2.1
-32.5°	14.5	13.5	12.5	11.3	10.0	8.6	7.3	5.9	4.6	3.2	2.0
-33.75°	14.3	13.3	12.4	11.1	9.8	8.5	7.2	5.8	4.5	3.2	2.0
-35°	14.2	13.2	12.2	11.0	9.7	8.4	7.1	5.7	4.4	3.1	2.0
-36.25°	14.0	13.0	12.1	10.8	9.5	8.2	6.9	5.6	4.4	3.1	1.9
-37.5°	13.8	12.8	11.9	10.6	9.3	8.1	6.8	5.5	4.3	3.0	1.9
-38.75°	13.6	12.7	11.6	10.4	9.2	7.9	6.7	5.4	4.2	2.9	1.9
-40°	13.4	12.5	11.4	10.2	9.0	7.8	6.5	5.3	4.1	2.9	1.8
-41.25°	13.2	12.3	11.2	10.0	8.8	7.6	6.4	5.2	4.0	2.8	1.8
-42.5°	13.0	12.1	11.0	9.8	8.6	7.4	6.3	5.1	3.9	2.7	1.8
-43.75°	12.7	11.9	10.7	9.6	8.4	7.3	6.1	5.0	3.8	2.7	1.7
-45°	12.5	11.6	10.5	9.3	8.2	7.1	6.0	4.9	3.7	2.6	1.7
-46.25°	12.3	11.3	10.2	9.1	8.0	6.9	5.8	4.7	3.6	2.5	1.7
-47.5°	12.1	11.0	10.0	8.9	7.8	6.8	5.7	4.6	3.5	2.4	1.6
-48.75°	11.8	10.7	9.7	8.7	7.6	6.6	5.5	4.5	3.4	2.4	1.6
-50°	11.5	10.4	9.4	8.4	7.4	6.4	5.4	4.3	3.3	2.3	1.5
-51.25°	11.1	10.2	9.2	8.2	7.2	6.2	5.2	4.2	3.2	2.3	1.5
-52.5°	10.8	9.8	8.9	7.9	7.0	6.0	5.0	4.1	3.1	2.2	1.5
-53.75°	10.5	9.5	8.6	7.7	6.7	5.8	4.9	3.9	3.0	2.1	1.4
-55°	10.1	9.2	8.3	7.4	6.5	5.6	4.7	3.8	2.9	2.1	1.4
-56.25°	9.8	8.9	8.0	7.2	6.3	5.4	4.5	3.6	2.8	2.0	1.3
-57.5°	9.4	8.6	7.7	6.9	6.1	5.2	4.3	3.5	2.6	1.9	1.3
-58.75°	9.1	8.3	7.5	6.6	5.8	5.0	4.2	3.3	2.5	1.9	1.2
-60°	8.7	7.9	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.8	1.2
-61.25°	8.4	7.6	6.8	6.1	5.3	4.6	3.8	3.0	2.3	1.7	1.2
-62.5°	8.0	7.3	6.5	5.8	5.1	4.4	3.6	2.9	2.2	1.7	1.1
-63.75°	7.6	6.9	6.2	5.5	4.8	4.1	3.4	2.7	2.1	1.6	1.1
-65°	7.2	6.6	5.9	5.3	4.6	3.9	3.2	2.6	2.0	1.5	1.0
-66.25°	6.9	6.2	5.6	5.0	4.3	3.7	3.1	2.4	1.9	1.4	1.0
-67.5°	6.5	5.9	5.3	4.7	4.1	3.5	2.9	2.3	1.8	1.4	0.9
-68.75°	6.1	5.5	5.0	4.4	3.8	3.2	2.7	2.2	1.7	1.3	0.9
-70°	5.7	5.2	4.6	4.1	3.6	3.0	2.5	2.0	1.6	1.2	0.8
-71.25°	5.3	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.5	1.2	0.8
-72.5°	4.9	4.4	4.0	3.5	3.0	2.6	2.2	1.8	1.4	1.1	0.7
-73.75°	4.5	4.1	3.6	3.2	2.8	2.3	2.0	1.7	1.3	1.0	0.7
-75°	4.1	3.7	3.3	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-76.25°	3.7	3.3	3.0	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-77.5°	3.3	3.0	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-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°	2.9	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	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: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.1	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.2	0.0
77.5°	0.3	0.0
76.25°	0.3	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.4	0.0
71.25°	0.4	0.0
70°	0.4	0.0
68.75°	0.4	0.0
67.5°	0.5	0.0
66.25°	0.5	0.0
65°	0.5	0.0
63.75°	0.5	0.0
62.5°	0.6	0.0
61.25°	0.6	0.0
60°	0.6	0.0
58.75°	0.6	0.0
57.5°	0.6	0.0
56.25°	0.7	0.0
55°	0.7	0.0
53.75°	0.7	0.0
52.5°	0.7	0.0
51.25°	0.8	0.0
50°	0.8	0.0
48.75°	0.8	0.0
47.5°	0.8	0.0
46.25°	0.8	0.0
45°	0.8	0.0
43.75°	0.9	0.0
42.5°	0.9	0.0
41.25°	0.9	0.0
40°	0.9	0.0
38.75°	0.9	0.0
37.5°	1.0	0.0
36.25°	1.0	0.0
35°	1.0	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	1.0	0.0
32.5°	1.0	0.0
31.25°	1.0	0.0
30°	1.0	0.0
28.75°	1.1	0.0
27.5°	1.1	0.0
26.25°	1.1	0.0
25°	1.1	0.0
23.75°	1.1	0.0
22.5°	1.1	0.0
21.25°	1.1	0.0
20°	1.1	0.0
18.75°	1.1	0.0
17.5°	1.1	0.0
16.25°	1.2	0.0
15°	1.2	0.0
13.75°	1.2	0.0
12.5°	1.2	0.0
11.25°	1.2	0.0
10°	1.2	0.0
8.75°	1.2	0.0
7.5°	1.2	0.0
6.25°	1.2	0.0
5°	1.2	0.0
3.75°	1.2	0.0
2.5°	1.2	0.0
1.25°	1.2	0.0
0°	1.2	0.0
-1.25°	1.2	0.0
-2.5°	1.2	0.0
-3.75°	1.2	0.0
-5°	1.2	0.0
-6.25°	1.2	0.0
-7.5°	1.2	0.0
-8.75°	1.2	0.0
-10°	1.2	0.0
-11.25°	1.2	0.0
-12.5°	1.2	0.0
-13.75°	1.2	0.0
-15°	1.2	0.0
-16.25°	1.2	0.0
-17.5°	1.1	0.0
-18.75°	1.1	0.0
-20°	1.1	0.0
-21.25°	1.1	0.0



REPORT NUMBER: P220477 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	1.1	0.0
-23.75°	1.1	0.0
-25°	1.1	0.0
-26.25°	1.1	0.0
-27.5°	1.1	0.0
-28.75°	1.1	0.0
-30°	1.0	0.0
-31.25°	1.0	0.0
-32.5°	1.0	0.0
-33.75°	1.0	0.0
-35°	1.0	0.0
-36.25°	1.0	0.0
-37.5°	1.0	0.0
-38.75°	0.9	0.0
-40°	0.9	0.0
-41.25°	0.9	0.0
-42.5°	0.9	0.0
-43.75°	0.9	0.0
-45°	0.8	0.0
-46.25°	0.8	0.0
-47.5°	0.8	0.0
-48.75°	0.8	0.0
-50°	0.8	0.0
-51.25°	0.8	0.0
-52.5°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.7	0.0
-56.25°	0.7	0.0
-57.5°	0.6	0.0
-58.75°	0.6	0.0
-60°	0.6	0.0
-61.25°	0.6	0.0
-62.5°	0.6	0.0
-63.75°	0.5	0.0
-65°	0.5	0.0
-66.25°	0.5	0.0
-67.5°	0.5	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.4	0.0
-72.5°	0.4	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.3	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.2	0.0
-80°	0.2	0.0
-81.25°	0.2	0.0
-82.5°	0.2	0.0
-83.75°	0.1	0.0
-85°	0.1	0.0
-86.25°	0.1	0.0
-87.5°	0.1	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)