

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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L2-UNV**

Issue Date: 3/3/2020

**Test Information**

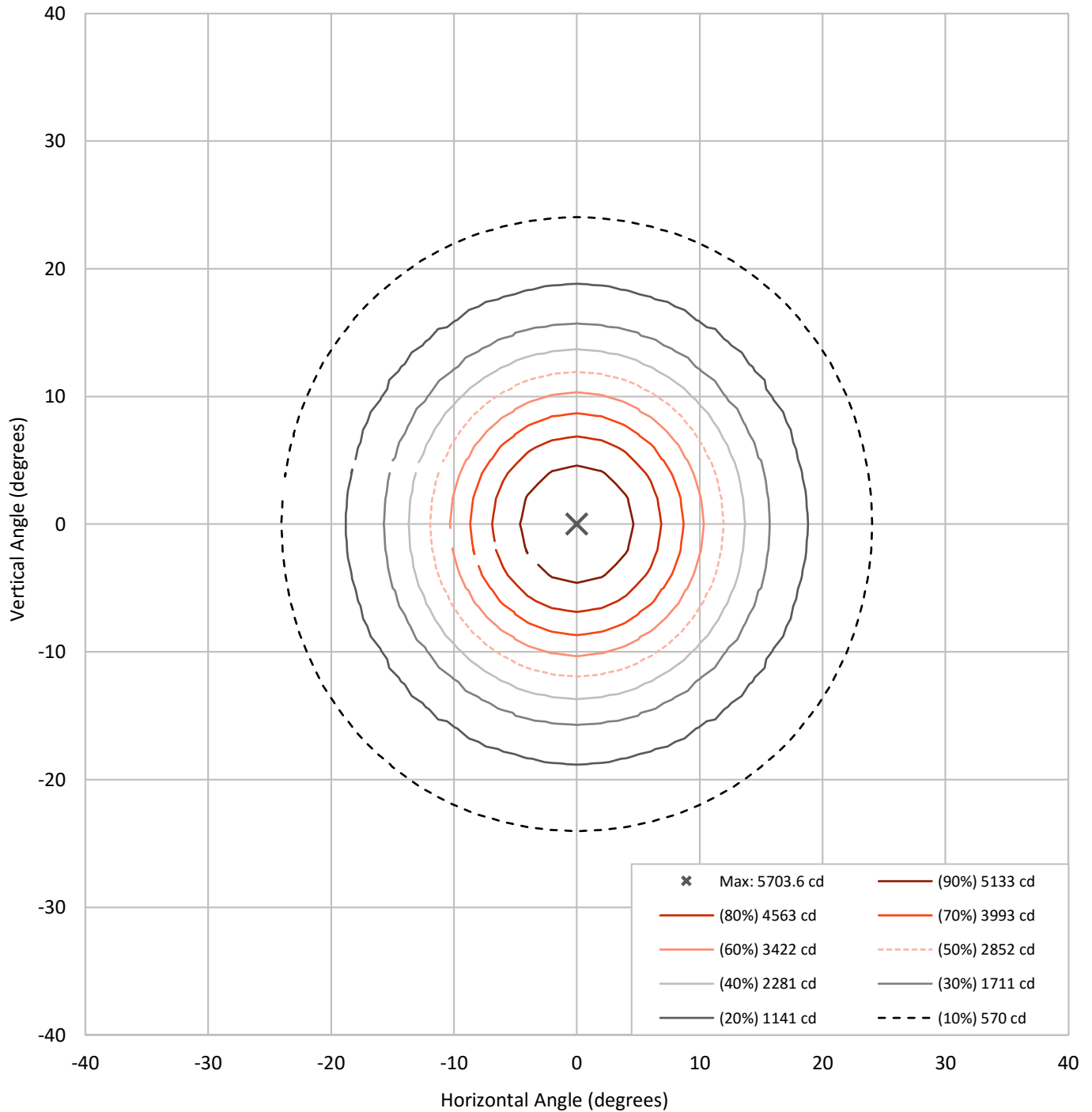
Test Method: LM-79-08  
Report Number: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L2-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1396.8 lumens	Max Intensity:	5703.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	69.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	557.2 lumens	Field Lumens:	1095.7 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
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





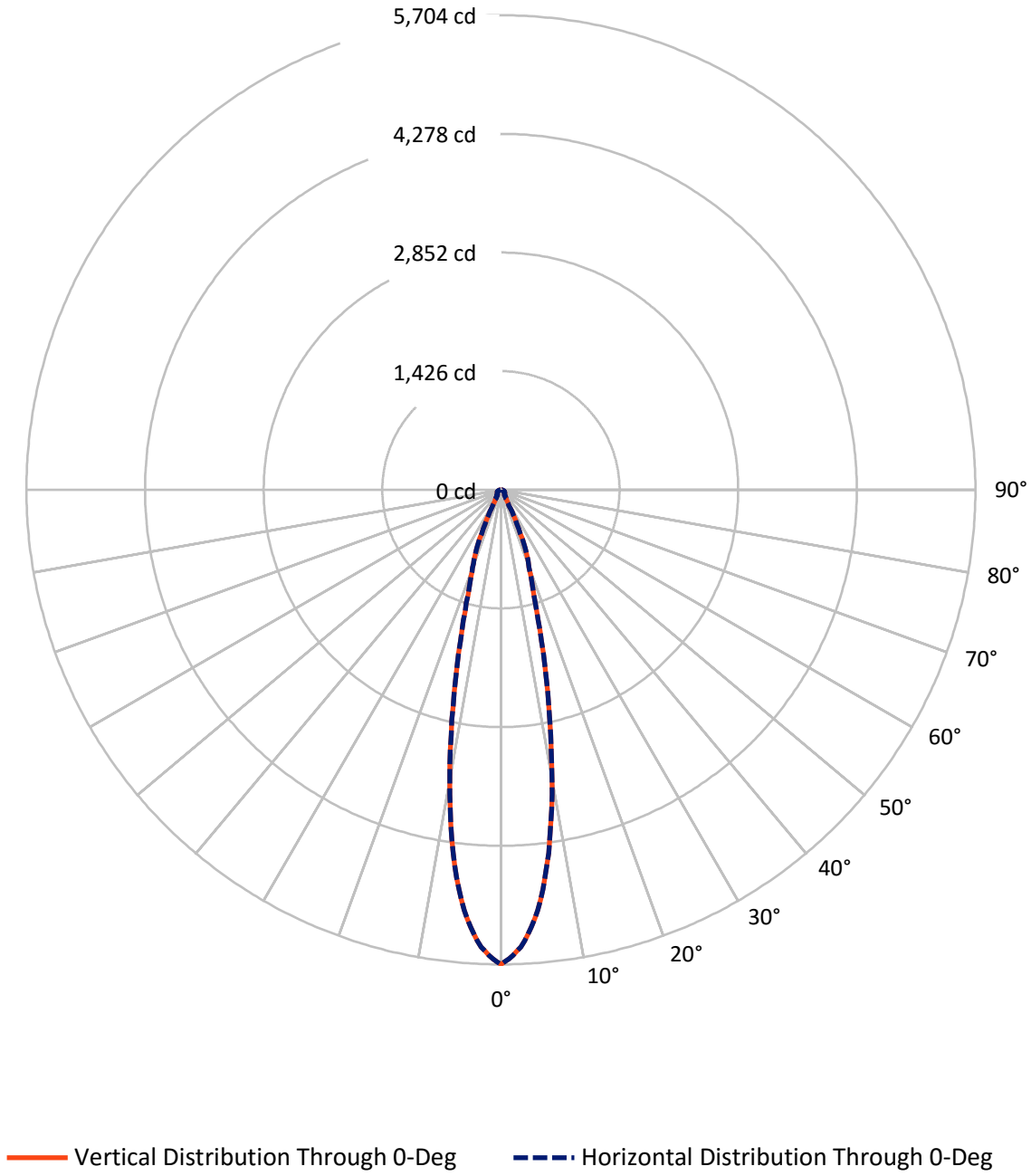
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### Lumen Table

90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
80	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
70	0.2	0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.2			
60		0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2				
50	0.3	0.3	0.6	1.1	1.4	1.7	1.8	1.9	1.9	1.8	1.7	1.4	1.1	0.6	0.3	0.3			
40		0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4				
30	0.3	0.4	0.9	1.3	1.6	2.4	6.1	13.3	13.3	6.1	2.4	1.6	1.3	0.9	0.4	0.3			
20		0.5	1.0	1.3	1.8	5.8	26.2	53.4	53.4	26.2	5.8	1.8	1.3	1.0	0.5				
10	0.4	0.5	1.0	1.4	2.1	12.2	52.0	128.3	128.3	52.0	12.2	2.1	1.4	1.0	0.5	0.4			
0		0.5	1.0	1.4	2.1	12.2	52.0	128.3	128.3	52.0	12.2	2.1	1.4	1.0	0.5				
-10	0.3	0.5	1.0	1.3	1.8	5.8	26.2	53.4	53.4	26.2	5.8	1.8	1.3	1.0	0.5	0.3			
-20		0.4	0.9	1.3	1.6	2.4	6.1	13.3	13.3	6.1	2.4	1.6	1.3	0.9	0.4				
-30	0.3	0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4	0.3			
-40		0.3	0.6	1.1	1.4	1.7	1.8	1.9	1.9	1.8	1.7	1.4	1.1	0.6	0.3				
-50	0.2	0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2	0.2			
-60		0.2	0.3	0.5	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2				
-70	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1						0.1				
-80		0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
-90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1						0.1				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

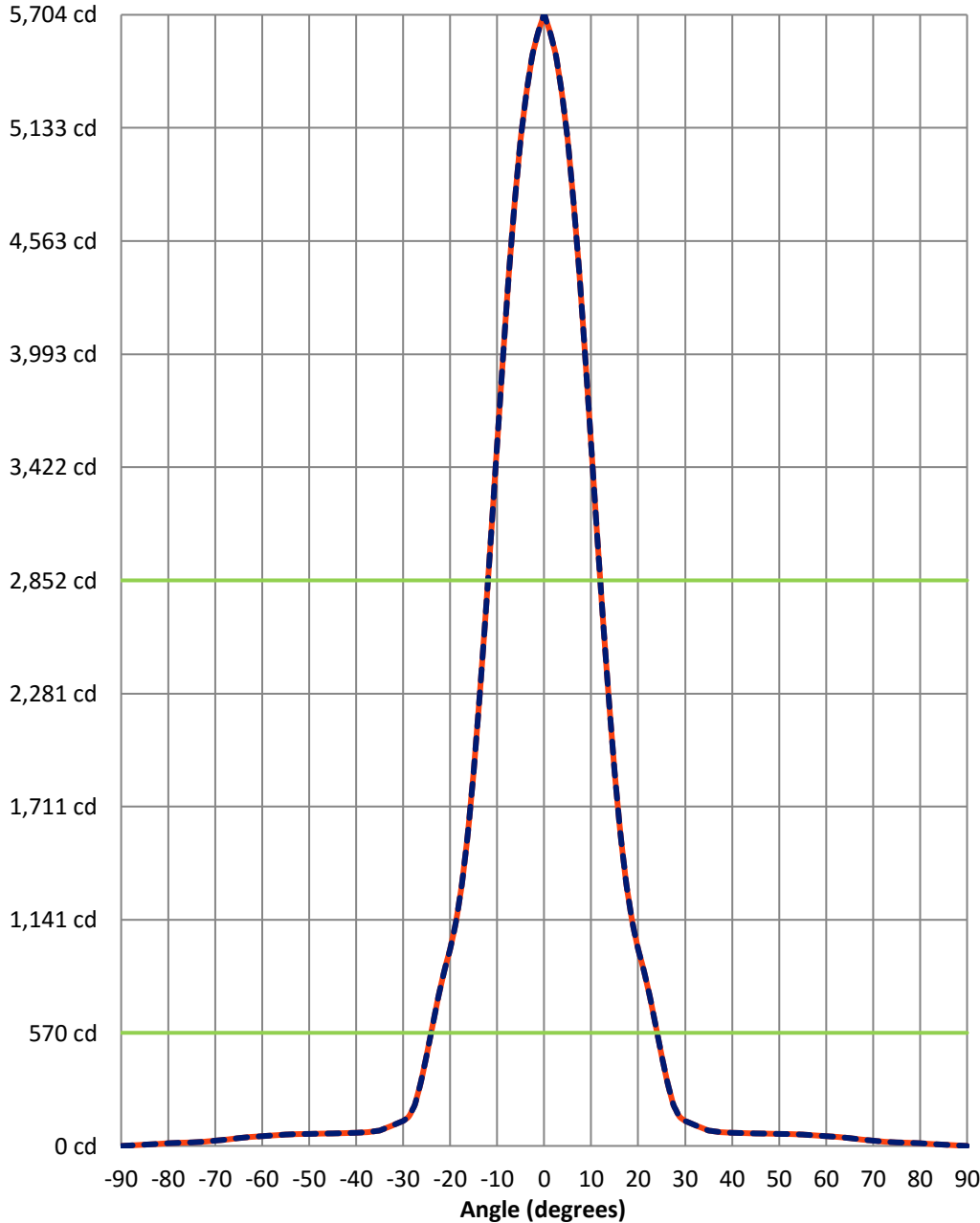
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.9°  
 V Angle: 23.9°  
 Lumens: 557.2  
 Efficiency: 39.9%

**Field:**  
 H Angle: 48.1°  
 V Angle: 48.1°  
 Lumens: 1095.7  
 Efficiency: 78.4%

**Spill:**  
 Lumens: 301.1  
 Efficiency: 21.6%

— 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	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
82.5°	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	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
78.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.5
72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.3	4.8
71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.2
70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	5.0	5.5
68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.7	5.3	5.8
67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.6	6.2
66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.8	6.5
65°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.8	5.5	6.1	6.8
63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.3	5.0	5.7	6.4	7.1
62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	6.7	7.4
61.25°	0.0	0.8	1.5	2.3	3.1	3.9	4.7	5.4	6.2	7.0	7.7
60°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.5	7.3	8.1
58.75°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.9	6.7	7.5	8.4
57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.2	6.1	7.0	7.8	8.6
56.25°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	8.9
55°	0.0	0.9	1.8	2.8	3.7	4.6	5.6	6.5	7.4	8.3	9.2
53.75°	0.0	0.9	1.9	2.8	3.8	4.8	5.7	6.7	7.6	8.6	9.5
52.5°	0.0	1.0	1.9	2.9	3.9	4.9	5.9	6.9	7.9	8.8	9.8
51.25°	0.0	1.0	2.0	3.0	4.0	5.1	6.1	7.1	8.1	9.1	10.2
50°	0.0	1.0	2.1	3.1	4.1	5.2	6.3	7.3	8.3	9.3	10.5
48.75°	0.0	1.1	2.1	3.2	4.2	5.3	6.4	7.5	8.5	9.6	10.8
47.5°	0.0	1.1	2.2	3.2	4.4	5.5	6.6	7.7	8.7	9.8	11.2
46.25°	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9	10.1	11.5
45°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.1	10.4	11.8
43.75°	0.0	1.2	2.3	3.5	4.7	5.9	7.0	8.2	9.3	10.7	12.1
42.5°	0.0	1.2	2.4	3.5	4.8	6.0	7.2	8.3	9.5	10.9	12.4
41.25°	0.0	1.2	2.4	3.6	4.9	6.1	7.3	8.5	9.7	11.2	12.7
40°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.7	9.9	11.5	13.0
38.75°	0.0	1.2	2.5	3.8	5.0	6.3	7.6	8.8	10.2	11.7	13.2
37.5°	0.0	1.3	2.5	3.8	5.1	6.4	7.7	9.0	10.4	11.9	13.5
36.25°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.6	12.2	13.8
35°	0.0	1.3	2.6	4.0	5.3	6.6	8.0	9.3	10.8	12.4	13.9



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.3	2.7	4.0	5.4	6.7	8.1	9.4	11.0	12.6	14.1
32.5°	0.0	1.3	2.7	4.1	5.5	6.8	8.2	9.5	11.2	12.9	14.2
31.25°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	9.7	11.4	13.1	14.4
30°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.5	13.3	14.5
28.75°	0.0	1.4	2.8	4.2	5.7	7.1	8.5	10.0	11.7	13.5	14.6
27.5°	0.0	1.4	2.8	4.3	5.8	7.2	8.6	10.1	11.9	13.6	14.8
26.25°	0.0	1.4	2.9	4.3	5.8	7.3	8.7	10.2	12.0	13.8	14.9
25°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.4	12.2	13.9	15.0
23.75°	0.0	1.5	2.9	4.4	5.9	7.4	8.9	10.5	12.3	14.0	15.1
22.5°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.6	12.5	14.1	15.2
21.25°	0.0	1.5	3.0	4.5	6.1	7.6	9.0	10.7	12.6	14.2	15.3
20°	0.0	1.5	3.0	4.6	6.1	7.6	9.1	10.8	12.7	14.3	15.4
18.75°	0.0	1.5	3.0	4.6	6.1	7.7	9.2	11.0	12.8	14.3	15.5
17.5°	0.0	1.5	3.1	4.6	6.2	7.7	9.3	11.0	13.0	14.4	15.6
16.25°	0.0	1.5	3.1	4.7	6.2	7.8	9.3	11.1	13.1	14.5	15.7
15°	0.0	1.5	3.1	4.7	6.3	7.8	9.4	11.2	13.1	14.6	15.8
13.75°	0.0	1.6	3.1	4.7	6.3	7.9	9.4	11.3	13.2	14.6	15.8
12.5°	0.0	1.6	3.1	4.7	6.3	7.9	9.5	11.4	13.3	14.7	15.9
11.25°	0.0	1.6	3.1	4.8	6.4	7.9	9.5	11.4	13.4	14.7	16.0
10°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.0
8.75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.1
7.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.9	16.1
6.25°	0.0	1.6	3.2	4.8	6.5	8.1	9.6	11.6	13.6	14.9	16.1
5°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.6	13.6	14.9	16.2
3.75°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
2.5°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
1.25°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
0°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
-1.25°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
-2.5°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
-3.75°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.7	13.7	14.9	16.2
-5°	0.0	1.6	3.2	4.8	6.5	8.1	9.7	11.6	13.6	14.9	16.2
-6.25°	0.0	1.6	3.2	4.8	6.5	8.1	9.6	11.6	13.6	14.9	16.1
-7.5°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.6	13.6	14.9	16.1
-8.75°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.1
-10°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	11.5	13.5	14.8	16.0
-11.25°	0.0	1.6	3.1	4.8	6.4	7.9	9.5	11.4	13.4	14.7	16.0
-12.5°	0.0	1.6	3.1	4.7	6.3	7.9	9.5	11.4	13.3	14.7	15.9
-13.75°	0.0	1.6	3.1	4.7	6.3	7.9	9.4	11.3	13.2	14.6	15.8
-15°	0.0	1.5	3.1	4.7	6.3	7.8	9.4	11.2	13.1	14.6	15.8
-16.25°	0.0	1.5	3.1	4.7	6.2	7.8	9.3	11.1	13.1	14.5	15.7
-17.5°	0.0	1.5	3.1	4.6	6.2	7.7	9.3	11.0	13.0	14.4	15.6
-18.75°	0.0	1.5	3.0	4.6	6.1	7.7	9.2	11.0	12.8	14.3	15.5
-20°	0.0	1.5	3.0	4.6	6.1	7.6	9.1	10.8	12.7	14.3	15.4
-21.25°	0.0	1.5	3.0	4.5	6.1	7.6	9.0	10.7	12.6	14.2	15.3





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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	1.5	3.0	4.5	6.0	7.5	9.0	10.6	12.5	14.1	15.2
-23.75°	0.0	1.5	2.9	4.4	5.9	7.4	8.9	10.5	12.3	14.0	15.1
-25°	0.0	1.5	2.9	4.4	5.9	7.3	8.8	10.4	12.2	13.9	15.0
-26.25°	0.0	1.4	2.9	4.3	5.8	7.3	8.7	10.2	12.0	13.8	14.9
-27.5°	0.0	1.4	2.8	4.3	5.8	7.2	8.6	10.1	11.9	13.6	14.8
-28.75°	0.0	1.4	2.8	4.2	5.7	7.1	8.5	10.0	11.7	13.5	14.6
-30°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.8	11.5	13.3	14.5
-31.25°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	9.7	11.4	13.1	14.4
-32.5°	0.0	1.3	2.7	4.1	5.5	6.8	8.2	9.5	11.2	12.9	14.2
-33.75°	0.0	1.3	2.7	4.0	5.4	6.7	8.1	9.4	11.0	12.6	14.1
-35°	0.0	1.3	2.6	4.0	5.3	6.6	8.0	9.3	10.8	12.4	13.9
-36.25°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.6	12.2	13.8
-37.5°	0.0	1.3	2.5	3.8	5.1	6.4	7.7	9.0	10.4	11.9	13.5
-38.75°	0.0	1.2	2.5	3.8	5.0	6.3	7.6	8.8	10.2	11.7	13.2
-40°	0.0	1.2	2.5	3.7	5.0	6.2	7.4	8.7	9.9	11.5	13.0
-41.25°	0.0	1.2	2.4	3.6	4.9	6.1	7.3	8.5	9.7	11.2	12.7
-42.5°	0.0	1.2	2.4	3.5	4.8	6.0	7.2	8.3	9.5	10.9	12.4
-43.75°	0.0	1.2	2.3	3.5	4.7	5.9	7.0	8.2	9.3	10.7	12.1
-45°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.1	10.4	11.8
-46.25°	0.0	1.1	2.2	3.3	4.5	5.6	6.7	7.8	8.9	10.1	11.5
-47.5°	0.0	1.1	2.2	3.2	4.4	5.5	6.6	7.7	8.7	9.8	11.2
-48.75°	0.0	1.1	2.1	3.2	4.2	5.3	6.4	7.5	8.5	9.6	10.8
-50°	0.0	1.0	2.1	3.1	4.1	5.2	6.3	7.3	8.3	9.3	10.5
-51.25°	0.0	1.0	2.0	3.0	4.0	5.1	6.1	7.1	8.1	9.1	10.2
-52.5°	0.0	1.0	1.9	2.9	3.9	4.9	5.9	6.9	7.9	8.8	9.8
-53.75°	0.0	0.9	1.9	2.8	3.8	4.8	5.7	6.7	7.6	8.6	9.5
-55°	0.0	0.9	1.8	2.8	3.7	4.6	5.6	6.5	7.4	8.3	9.2
-56.25°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	8.9
-57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.2	6.1	7.0	7.8	8.6
-58.75°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.9	6.7	7.5	8.4
-60°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.5	7.3	8.1
-61.25°	0.0	0.8	1.5	2.3	3.1	3.9	4.7	5.4	6.2	7.0	7.7
-62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.2	6.0	6.7	7.4
-63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.3	5.0	5.7	6.4	7.1
-65°	0.0	0.7	1.4	2.0	2.7	3.4	4.1	4.8	5.5	6.1	6.8
-66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.8	6.5
-67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.6	6.2
-68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.7	5.3	5.8
-70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	5.0	5.5
-71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.2
-72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.9	4.3	4.8
-73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.5
-75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
-80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-81.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
-86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-88.75°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220461 (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°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5	4.8	5.0
80°	3.0	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.2	5.5	5.7
78.75°	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.6	5.8	6.1	6.4
77.5°	3.8	4.1	4.5	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1
76.25°	4.2	4.6	4.9	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.8
75°	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1	8.5
73.75°	4.9	5.4	5.8	6.3	6.7	7.1	7.6	8.0	8.4	8.8	9.2
72.5°	5.3	5.8	6.3	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.9
71.25°	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.2	10.8
70°	6.1	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.4	11.0	11.6
68.75°	6.4	7.0	7.6	8.1	8.7	9.2	9.8	10.5	11.1	11.8	12.5
67.5°	6.8	7.4	8.0	8.6	9.1	9.7	10.5	11.2	11.9	12.6	13.3
66.25°	7.1	7.8	8.4	9.0	9.6	10.4	11.1	11.9	12.6	13.4	14.0
65°	7.5	8.1	8.8	9.4	10.2	11.0	11.8	12.6	13.4	14.0	14.5
63.75°	7.8	8.5	9.2	9.9	10.8	11.6	12.5	13.3	14.0	14.5	15.0
62.5°	8.2	8.9	9.6	10.5	11.4	12.2	13.1	13.9	14.4	15.0	15.5
61.25°	8.5	9.3	10.1	11.0	11.9	12.8	13.7	14.3	14.9	15.4	16.0
60°	8.8	9.6	10.6	11.5	12.5	13.5	14.1	14.7	15.3	15.9	16.4
58.75°	9.2	10.0	11.1	12.1	13.1	13.9	14.5	15.2	15.8	16.3	16.7
57.5°	9.5	10.5	11.5	12.6	13.6	14.3	14.9	15.6	16.2	16.6	17.0
56.25°	9.8	10.9	12.0	13.1	14.0	14.7	15.3	16.0	16.5	16.9	17.3
55°	10.2	11.4	12.5	13.6	14.3	15.0	15.7	16.3	16.7	17.2	17.6
53.75°	10.6	11.8	12.9	13.9	14.7	15.4	16.1	16.6	17.0	17.5	18.0
52.5°	11.0	12.2	13.4	14.2	15.0	15.7	16.4	16.8	17.3	17.7	18.6
51.25°	11.4	12.6	13.8	14.5	15.3	16.1	16.6	17.1	17.5	18.2	19.2
50°	11.8	13.0	14.1	14.8	15.6	16.3	16.8	17.3	17.8	18.8	19.7
48.75°	12.1	13.4	14.3	15.1	15.9	16.5	17.0	17.6	18.3	19.3	20.3
47.5°	12.5	13.8	14.6	15.4	16.2	16.8	17.3	17.8	18.8	19.8	20.9
46.25°	12.8	14.0	14.9	15.7	16.4	17.0	17.5	18.2	19.3	20.4	21.7
45°	13.2	14.2	15.1	16.0	16.6	17.2	17.7	18.7	19.8	20.9	22.7
43.75°	13.5	14.5	15.4	16.2	16.8	17.4	18.0	19.1	20.2	21.6	23.6
42.5°	13.8	14.7	15.6	16.4	17.0	17.5	18.4	19.6	20.7	22.5	24.5
41.25°	14.0	14.9	15.8	16.6	17.2	17.7	18.8	20.0	21.3	23.3	25.4
40°	14.2	15.1	16.1	16.7	17.3	18.0	19.2	20.4	22.1	24.2	26.3
38.75°	14.4	15.3	16.3	16.9	17.5	18.4	19.6	20.8	22.8	25.0	27.1
37.5°	14.6	15.5	16.4	17.0	17.7	18.8	20.0	21.4	23.6	25.8	27.9
36.25°	14.8	15.7	16.5	17.2	17.8	19.1	20.4	22.1	24.3	26.5	28.7
35°	14.9	15.9	16.7	17.3	18.1	19.4	20.7	22.8	25.0	27.3	29.5



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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°	15.1	16.1	16.8	17.5	18.4	19.7	21.1	23.4	25.7	28.0	30.2
32.5°	15.3	16.3	16.9	17.6	18.7	20.1	21.7	24.0	26.4	28.7	31.0
31.25°	15.4	16.4	17.1	17.7	19.0	20.4	22.3	24.6	27.0	29.3	31.7
30°	15.6	16.5	17.2	17.9	19.3	20.7	22.8	25.2	27.6	30.0	32.4
28.75°	15.7	16.6	17.3	18.2	19.6	20.9	23.3	25.8	28.2	30.6	33.2
27.5°	15.9	16.7	17.4	18.4	19.8	21.4	23.9	26.3	28.8	31.2	34.0
26.25°	16.0	16.8	17.5	18.6	20.0	21.8	24.3	26.9	29.3	31.8	34.8
25°	16.1	16.9	17.6	18.8	20.3	22.3	24.8	27.4	29.9	32.4	35.6
23.75°	16.2	17.0	17.7	19.0	20.5	22.7	25.3	27.8	30.4	33.1	36.3
22.5°	16.3	17.1	17.8	19.2	20.7	23.1	25.7	28.3	30.8	33.7	37.0
21.25°	16.4	17.1	18.0	19.4	20.9	23.5	26.1	28.7	31.3	34.3	37.7
20°	16.5	17.2	18.1	19.6	21.2	23.8	26.5	29.1	31.7	34.9	38.3
18.75°	16.5	17.3	18.3	19.8	21.5	24.2	26.9	29.5	32.1	35.5	38.9
17.5°	16.6	17.3	18.4	19.9	21.8	24.5	27.2	29.8	32.6	36.0	39.5
16.25°	16.6	17.4	18.5	20.1	22.1	24.8	27.5	30.2	33.0	36.5	39.9
15°	16.7	17.5	18.7	20.2	22.3	25.1	27.8	30.5	33.4	37.0	40.3
13.75°	16.7	17.5	18.8	20.3	22.6	25.3	28.1	30.8	33.8	37.4	40.6
12.5°	16.8	17.6	18.9	20.5	22.8	25.6	28.3	31.0	34.2	37.8	40.9
11.25°	16.8	17.6	19.0	20.6	23.0	25.8	28.5	31.3	34.5	38.1	41.2
10°	16.9	17.7	19.1	20.6	23.2	26.0	28.7	31.5	34.8	38.4	41.5
8.75°	16.9	17.7	19.2	20.7	23.3	26.1	28.9	31.7	35.1	38.7	41.7
7.5°	16.9	17.7	19.2	20.8	23.5	26.3	29.1	31.8	35.3	38.9	41.9
6.25°	16.9	17.7	19.3	20.9	23.6	26.4	29.2	32.0	35.5	39.1	42.1
5°	17.0	17.8	19.3	20.9	23.7	26.5	29.3	32.1	35.7	39.3	42.2
3.75°	17.0	17.8	19.4	21.0	23.8	26.6	29.4	32.2	35.8	39.4	42.3
2.5°	17.0	17.8	19.4	21.0	23.8	26.7	29.5	32.2	35.9	39.5	42.4
1.25°	17.0	17.8	19.4	21.0	23.8	26.7	29.5	32.3	35.9	39.6	42.4
0°	17.0	17.8	19.4	21.0	23.9	26.7	29.5	32.3	36.0	39.6	42.5
-1.25°	17.0	17.8	19.4	21.0	23.8	26.7	29.5	32.3	35.9	39.6	42.4
-2.5°	17.0	17.8	19.4	21.0	23.8	26.7	29.5	32.2	35.9	39.5	42.4
-3.75°	17.0	17.8	19.4	21.0	23.8	26.6	29.4	32.2	35.8	39.4	42.3
-5°	17.0	17.8	19.3	20.9	23.7	26.5	29.3	32.1	35.7	39.3	42.2
-6.25°	16.9	17.7	19.3	20.9	23.6	26.4	29.2	32.0	35.5	39.1	42.1
-7.5°	16.9	17.7	19.2	20.8	23.5	26.3	29.1	31.8	35.3	38.9	41.9
-8.75°	16.9	17.7	19.2	20.7	23.3	26.1	28.9	31.7	35.1	38.7	41.7
-10°	16.9	17.7	19.1	20.6	23.2	26.0	28.7	31.5	34.8	38.4	41.5
-11.25°	16.8	17.6	19.0	20.6	23.0	25.8	28.5	31.3	34.5	38.1	41.2
-12.5°	16.8	17.6	18.9	20.5	22.8	25.6	28.3	31.0	34.2	37.8	40.9
-13.75°	16.7	17.5	18.8	20.3	22.6	25.3	28.1	30.8	33.8	37.4	40.6
-15°	16.7	17.5	18.7	20.2	22.3	25.1	27.8	30.5	33.4	37.0	40.3
-16.25°	16.6	17.4	18.5	20.1	22.1	24.8	27.5	30.2	33.0	36.5	39.9
-17.5°	16.6	17.3	18.4	19.9	21.8	24.5	27.2	29.8	32.6	36.0	39.5
-18.75°	16.5	17.3	18.3	19.8	21.5	24.2	26.9	29.5	32.1	35.5	38.9
-20°	16.5	17.2	18.1	19.6	21.2	23.8	26.5	29.1	31.7	34.9	38.3
-21.25°	16.4	17.1	18.0	19.4	20.9	23.5	26.1	28.7	31.3	34.3	37.7

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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°	16.3	17.1	17.8	19.2	20.7	23.1	25.7	28.3	30.8	33.7	37.0
-23.75°	16.2	17.0	17.7	19.0	20.5	22.7	25.3	27.8	30.4	33.1	36.3
-25°	16.1	16.9	17.6	18.8	20.3	22.3	24.8	27.4	29.9	32.4	35.6
-26.25°	16.0	16.8	17.5	18.6	20.0	21.8	24.3	26.9	29.3	31.8	34.8
-27.5°	15.9	16.7	17.4	18.4	19.8	21.4	23.9	26.3	28.8	31.2	34.0
-28.75°	15.7	16.6	17.3	18.2	19.6	20.9	23.3	25.8	28.2	30.6	33.2
-30°	15.6	16.5	17.2	17.9	19.3	20.7	22.8	25.2	27.6	30.0	32.4
-31.25°	15.4	16.4	17.1	17.7	19.0	20.4	22.3	24.6	27.0	29.3	31.7
-32.5°	15.3	16.3	16.9	17.6	18.7	20.1	21.7	24.0	26.4	28.7	31.0
-33.75°	15.1	16.1	16.8	17.5	18.4	19.7	21.1	23.4	25.7	28.0	30.2
-35°	14.9	15.9	16.7	17.3	18.1	19.4	20.7	22.8	25.0	27.3	29.5
-36.25°	14.8	15.7	16.5	17.2	17.8	19.1	20.4	22.1	24.3	26.5	28.7
-37.5°	14.6	15.5	16.4	17.0	17.7	18.8	20.0	21.4	23.6	25.8	27.9
-38.75°	14.4	15.3	16.3	16.9	17.5	18.4	19.6	20.8	22.8	25.0	27.1
-40°	14.2	15.1	16.1	16.7	17.3	18.0	19.2	20.4	22.1	24.2	26.3
-41.25°	14.0	14.9	15.8	16.6	17.2	17.7	18.8	20.0	21.3	23.3	25.4
-42.5°	13.8	14.7	15.6	16.4	17.0	17.5	18.4	19.6	20.7	22.5	24.5
-43.75°	13.5	14.5	15.4	16.2	16.8	17.4	18.0	19.1	20.2	21.6	23.6
-45°	13.2	14.2	15.1	16.0	16.6	17.2	17.7	18.7	19.8	20.9	22.7
-46.25°	12.8	14.0	14.9	15.7	16.4	17.0	17.5	18.2	19.3	20.4	21.7
-47.5°	12.5	13.8	14.6	15.4	16.2	16.8	17.3	17.8	18.8	19.8	20.9
-48.75°	12.1	13.4	14.3	15.1	15.9	16.5	17.0	17.6	18.3	19.3	20.3
-50°	11.8	13.0	14.1	14.8	15.6	16.3	16.8	17.3	17.8	18.8	19.7
-51.25°	11.4	12.6	13.8	14.5	15.3	16.1	16.6	17.1	17.5	18.2	19.2
-52.5°	11.0	12.2	13.4	14.2	15.0	15.7	16.4	16.8	17.3	17.7	18.6
-53.75°	10.6	11.8	12.9	13.9	14.7	15.4	16.1	16.6	17.0	17.5	18.0
-55°	10.2	11.4	12.5	13.6	14.3	15.0	15.7	16.3	16.7	17.2	17.6
-56.25°	9.8	10.9	12.0	13.1	14.0	14.7	15.3	16.0	16.5	16.9	17.3
-57.5°	9.5	10.5	11.5	12.6	13.6	14.3	14.9	15.6	16.2	16.6	17.0
-58.75°	9.2	10.0	11.1	12.1	13.1	13.9	14.5	15.2	15.8	16.3	16.7
-60°	8.8	9.6	10.6	11.5	12.5	13.5	14.1	14.7	15.3	15.9	16.4
-61.25°	8.5	9.3	10.1	11.0	11.9	12.8	13.7	14.3	14.9	15.4	16.0
-62.5°	8.2	8.9	9.6	10.5	11.4	12.2	13.1	13.9	14.4	15.0	15.5
-63.75°	7.8	8.5	9.2	9.9	10.8	11.6	12.5	13.3	14.0	14.5	15.0
-65°	7.5	8.1	8.8	9.4	10.2	11.0	11.8	12.6	13.4	14.0	14.5
-66.25°	7.1	7.8	8.4	9.0	9.6	10.4	11.1	11.9	12.6	13.4	14.0
-67.5°	6.8	7.4	8.0	8.6	9.1	9.7	10.5	11.2	11.9	12.6	13.3
-68.75°	6.4	7.0	7.6	8.1	8.7	9.2	9.8	10.5	11.1	11.8	12.5
-70°	6.1	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.4	11.0	11.6
-71.25°	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.2	10.8
-72.5°	5.3	5.8	6.3	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.9
-73.75°	4.9	5.4	5.8	6.3	6.7	7.1	7.6	8.0	8.4	8.8	9.2
-75°	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1	8.5
-76.25°	4.2	4.6	4.9	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.8
-77.5°	3.8	4.1	4.5	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	3.4	3.7	4.0	4.3	4.6	5.0	5.3	5.6	5.8	6.1	6.4
-80°	3.0	3.3	3.6	3.9	4.1	4.4	4.7	4.9	5.2	5.5	5.7
-81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5	4.8	5.0
-82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
-83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
-86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-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: P220461 (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°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
85°	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1
83.75°	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2
82.5°	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3
81.25°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3
80°	6.0	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.9	8.1	8.3
78.75°	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1	9.3
77.5°	7.4	7.7	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.2	10.5
76.25°	8.2	8.5	8.8	9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8
75°	8.9	9.3	9.6	10.0	10.5	10.9	11.4	11.8	12.2	12.6	13.0
73.75°	9.6	10.1	10.6	11.1	11.5	12.0	12.5	12.9	13.4	13.8	14.1
72.5°	10.5	11.0	11.5	12.1	12.6	13.1	13.6	13.9	14.2	14.5	14.8
71.25°	11.4	11.9	12.5	13.1	13.6	14.0	14.3	14.7	15.0	15.3	15.6
70°	12.2	12.8	13.5	13.9	14.3	14.7	15.0	15.4	15.7	16.1	16.3
68.75°	13.1	13.7	14.1	14.5	14.9	15.3	15.7	16.1	16.4	16.6	16.8
67.5°	13.9	14.3	14.7	15.2	15.6	16.0	16.3	16.6	16.8	17.1	17.3
66.25°	14.4	14.9	15.3	15.8	16.2	16.5	16.7	17.0	17.3	17.5	17.8
65°	15.0	15.4	15.9	16.3	16.6	16.9	17.2	17.5	17.7	18.2	18.8
63.75°	15.5	16.0	16.4	16.7	17.0	17.3	17.6	18.0	18.6	19.2	19.7
62.5°	16.0	16.4	16.7	17.1	17.4	17.7	18.3	18.9	19.5	20.1	20.7
61.25°	16.4	16.8	17.1	17.4	17.8	18.4	19.1	19.8	20.4	21.0	22.2
60°	16.7	17.1	17.5	17.8	18.5	19.2	19.9	20.6	21.5	22.7	23.8
58.75°	17.1	17.4	17.8	18.6	19.3	20.0	20.8	21.8	23.1	24.3	25.5
57.5°	17.4	17.8	18.5	19.3	20.1	20.8	22.0	23.3	24.6	25.9	27.2
56.25°	17.7	18.4	19.2	20.0	20.8	22.1	23.5	24.8	26.2	27.5	28.8
55°	18.3	19.1	19.9	20.8	22.0	23.5	24.9	26.3	27.7	29.0	30.4
53.75°	18.9	19.8	20.6	21.8	23.3	24.8	26.3	27.7	29.2	30.6	31.9
52.5°	19.5	20.4	21.5	23.1	24.6	26.2	27.7	29.2	30.6	32.1	33.9
51.25°	20.1	21.0	22.7	24.3	25.9	27.5	29.0	30.6	32.1	34.0	35.9
50°	20.7	22.2	23.8	25.5	27.2	28.8	30.4	31.9	33.9	35.9	37.9
48.75°	21.5	23.3	25.0	26.7	28.4	30.0	31.7	33.6	35.7	37.8	39.8
47.5°	22.5	24.3	26.1	27.9	29.6	31.3	33.2	35.4	37.5	39.6	41.3
46.25°	23.6	25.4	27.2	29.0	30.8	32.6	34.8	37.1	39.3	41.1	42.8
45°	24.5	26.4	28.3	30.1	31.9	34.1	36.5	38.8	40.7	42.5	44.2
43.75°	25.5	27.4	29.3	31.2	33.3	35.7	38.1	40.3	42.1	43.9	45.6
42.5°	26.5	28.4	30.4	32.3	34.7	37.2	39.6	41.5	43.4	45.3	46.6
41.25°	27.4	29.4	31.4	33.6	36.2	38.7	40.8	42.8	44.7	46.2	47.5
40°	28.3	30.3	32.4	35.0	37.6	40.0	42.0	44.0	45.8	47.1	48.5
38.75°	29.2	31.3	33.6	36.3	38.9	41.1	43.2	45.2	46.7	48.1	49.4
37.5°	30.0	32.1	34.8	37.6	40.1	42.2	44.3	46.1	47.5	48.9	50.4
36.25°	30.9	33.2	36.0	38.8	41.1	43.3	45.4	46.9	48.3	49.8	51.3
35°	31.7	34.4	37.2	39.9	42.1	44.3	46.1	47.7	49.2	50.7	52.1



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
33.75°	32.5	35.4	38.3	40.9	43.1	45.3	46.9	48.4	50.0	51.5	53.0
32.5°	33.5	36.5	39.4	41.8	44.0	46.0	47.6	49.2	50.7	52.3	53.8
31.25°	34.5	37.5	40.3	42.6	44.9	46.7	48.3	49.9	51.5	53.1	54.7
30°	35.4	38.5	41.1	43.5	45.7	47.3	49.0	50.6	52.2	53.8	55.5
28.75°	36.3	39.4	41.9	44.3	46.3	47.9	49.6	51.3	52.9	54.6	56.3
27.5°	37.2	40.2	42.6	45.1	46.8	48.5	50.2	51.9	53.6	55.3	57.0
26.25°	38.0	40.9	43.3	45.7	47.4	49.1	50.8	52.5	54.3	56.0	57.6
25°	38.8	41.5	44.0	46.2	47.9	49.7	51.4	53.1	54.9	56.7	58.0
23.75°	39.6	42.2	44.7	46.7	48.4	50.2	52.0	53.7	55.5	57.3	58.4
22.5°	40.2	42.8	45.3	47.1	48.9	50.7	52.5	54.3	56.1	57.7	58.8
21.25°	40.7	43.3	45.7	47.6	49.4	51.2	53.0	54.8	56.7	58.1	59.1
20°	41.2	43.9	46.1	48.0	49.8	51.7	53.5	55.4	57.2	58.4	59.5
18.75°	41.7	44.4	46.5	48.4	50.2	52.1	54.0	55.8	57.6	58.7	59.8
17.5°	42.2	44.9	46.9	48.7	50.6	52.5	54.4	56.3	57.9	59.0	59.9
16.25°	42.6	45.3	47.2	49.1	51.0	52.9	54.8	56.7	58.1	59.3	60.0
15°	43.0	45.6	47.5	49.4	51.3	53.2	55.2	57.1	58.4	59.5	60.1
13.75°	43.4	45.9	47.8	49.7	51.6	53.6	55.5	57.5	58.6	59.7	60.2
12.5°	43.7	46.1	48.1	50.0	51.9	53.9	55.8	57.6	58.8	59.9	60.2
11.25°	44.0	46.3	48.3	50.2	52.2	54.1	56.1	57.8	59.0	59.9	60.3
10°	44.3	46.5	48.5	50.5	52.4	54.4	56.4	58.0	59.2	60.0	60.4
8.75°	44.5	46.7	48.7	50.7	52.6	54.6	56.6	58.1	59.3	60.0	60.4
7.5°	44.7	46.9	48.8	50.8	52.8	54.8	56.8	58.3	59.4	60.1	60.5
6.25°	44.9	47.0	49.0	51.0	53.0	55.0	57.0	58.4	59.5	60.1	60.5
5°	45.0	47.1	49.1	51.1	53.1	55.1	57.1	58.4	59.6	60.1	60.5
3.75°	45.2	47.2	49.2	51.2	53.2	55.2	57.3	58.5	59.7	60.2	60.6
2.5°	45.2	47.3	49.2	51.2	53.2	55.3	57.3	58.6	59.8	60.2	60.6
1.25°	45.3	47.3	49.3	51.3	53.3	55.3	57.4	58.6	59.8	60.2	60.6
0°	45.3	47.3	49.3	51.3	53.3	55.4	57.4	58.6	59.8	60.2	60.6
-1.25°	45.3	47.3	49.3	51.3	53.3	55.3	57.4	58.6	59.8	60.2	60.6
-2.5°	45.2	47.3	49.2	51.2	53.2	55.3	57.3	58.6	59.8	60.2	60.6
-3.75°	45.2	47.2	49.2	51.2	53.2	55.2	57.3	58.5	59.7	60.2	60.6
-5°	45.0	47.1	49.1	51.1	53.1	55.1	57.1	58.4	59.6	60.1	60.5
-6.25°	44.9	47.0	49.0	51.0	53.0	55.0	57.0	58.4	59.5	60.1	60.5
-7.5°	44.7	46.9	48.8	50.8	52.8	54.8	56.8	58.3	59.4	60.1	60.5
-8.75°	44.5	46.7	48.7	50.7	52.6	54.6	56.6	58.1	59.3	60.0	60.4
-10°	44.3	46.5	48.5	50.5	52.4	54.4	56.4	58.0	59.2	60.0	60.4
-11.25°	44.0	46.3	48.3	50.2	52.2	54.1	56.1	57.8	59.0	59.9	60.3
-12.5°	43.7	46.1	48.1	50.0	51.9	53.9	55.8	57.6	58.8	59.9	60.2
-13.75°	43.4	45.9	47.8	49.7	51.6	53.6	55.5	57.5	58.6	59.7	60.2
-15°	43.0	45.6	47.5	49.4	51.3	53.2	55.2	57.1	58.4	59.5	60.1
-16.25°	42.6	45.3	47.2	49.1	51.0	52.9	54.8	56.7	58.1	59.3	60.0
-17.5°	42.2	44.9	46.9	48.7	50.6	52.5	54.4	56.3	57.9	59.0	59.9
-18.75°	41.7	44.4	46.5	48.4	50.2	52.1	54.0	55.8	57.6	58.7	59.8
-20°	41.2	43.9	46.1	48.0	49.8	51.7	53.5	55.4	57.2	58.4	59.5
-21.25°	40.7	43.3	45.7	47.6	49.4	51.2	53.0	54.8	56.7	58.1	59.1





REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
-22.5°	40.2	42.8	45.3	47.1	48.9	50.7	52.5	54.3	56.1	57.7	58.8
-23.75°	39.6	42.2	44.7	46.7	48.4	50.2	52.0	53.7	55.5	57.3	58.4
-25°	38.8	41.5	44.0	46.2	47.9	49.7	51.4	53.1	54.9	56.7	58.0
-26.25°	38.0	40.9	43.3	45.7	47.4	49.1	50.8	52.5	54.3	56.0	57.6
-27.5°	37.2	40.2	42.6	45.1	46.8	48.5	50.2	51.9	53.6	55.3	57.0
-28.75°	36.3	39.4	41.9	44.3	46.3	47.9	49.6	51.3	52.9	54.6	56.3
-30°	35.4	38.5	41.1	43.5	45.7	47.3	49.0	50.6	52.2	53.8	55.5
-31.25°	34.5	37.5	40.3	42.6	44.9	46.7	48.3	49.9	51.5	53.1	54.7
-32.5°	33.5	36.5	39.4	41.8	44.0	46.0	47.6	49.2	50.7	52.3	53.8
-33.75°	32.5	35.4	38.3	40.9	43.1	45.3	46.9	48.4	50.0	51.5	53.0
-35°	31.7	34.4	37.2	39.9	42.1	44.3	46.1	47.7	49.2	50.7	52.1
-36.25°	30.9	33.2	36.0	38.8	41.1	43.3	45.4	46.9	48.3	49.8	51.3
-37.5°	30.0	32.1	34.8	37.6	40.1	42.2	44.3	46.1	47.5	48.9	50.4
-38.75°	29.2	31.3	33.6	36.3	38.9	41.1	43.2	45.2	46.7	48.1	49.4
-40°	28.3	30.3	32.4	35.0	37.6	40.0	42.0	44.0	45.8	47.1	48.5
-41.25°	27.4	29.4	31.4	33.6	36.2	38.7	40.8	42.8	44.7	46.2	47.5
-42.5°	26.5	28.4	30.4	32.3	34.7	37.2	39.6	41.5	43.4	45.3	46.6
-43.75°	25.5	27.4	29.3	31.2	33.3	35.7	38.1	40.3	42.1	43.9	45.6
-45°	24.5	26.4	28.3	30.1	31.9	34.1	36.5	38.8	40.7	42.5	44.2
-46.25°	23.6	25.4	27.2	29.0	30.8	32.6	34.8	37.1	39.3	41.1	42.8
-47.5°	22.5	24.3	26.1	27.9	29.6	31.3	33.2	35.4	37.5	39.6	41.3
-48.75°	21.5	23.3	25.0	26.7	28.4	30.0	31.7	33.6	35.7	37.8	39.8
-50°	20.7	22.2	23.8	25.5	27.2	28.8	30.4	31.9	33.9	35.9	37.9
-51.25°	20.1	21.0	22.7	24.3	25.9	27.5	29.0	30.6	32.1	34.0	35.9
-52.5°	19.5	20.4	21.5	23.1	24.6	26.2	27.7	29.2	30.6	32.1	33.9
-53.75°	18.9	19.8	20.6	21.8	23.3	24.8	26.3	27.7	29.2	30.6	31.9
-55°	18.3	19.1	19.9	20.8	22.0	23.5	24.9	26.3	27.7	29.0	30.4
-56.25°	17.7	18.4	19.2	20.0	20.8	22.1	23.5	24.8	26.2	27.5	28.8
-57.5°	17.4	17.8	18.5	19.3	20.1	20.8	22.0	23.3	24.6	25.9	27.2
-58.75°	17.1	17.4	17.8	18.6	19.3	20.0	20.8	21.8	23.1	24.3	25.5
-60°	16.7	17.1	17.5	17.8	18.5	19.2	19.9	20.6	21.5	22.7	23.8
-61.25°	16.4	16.8	17.1	17.4	17.8	18.4	19.1	19.8	20.4	21.0	22.2
-62.5°	16.0	16.4	16.7	17.1	17.4	17.7	18.3	18.9	19.5	20.1	20.7
-63.75°	15.5	16.0	16.4	16.7	17.0	17.3	17.6	18.0	18.6	19.2	19.7
-65°	15.0	15.4	15.9	16.3	16.6	16.9	17.2	17.5	17.7	18.2	18.8
-66.25°	14.4	14.9	15.3	15.8	16.2	16.5	16.7	17.0	17.3	17.5	17.8
-67.5°	13.9	14.3	14.7	15.2	15.6	16.0	16.3	16.6	16.8	17.1	17.3
-68.75°	13.1	13.7	14.1	14.5	14.9	15.3	15.7	16.1	16.4	16.6	16.8
-70°	12.2	12.8	13.5	13.9	14.3	14.7	15.0	15.4	15.7	16.1	16.3
-71.25°	11.4	11.9	12.5	13.1	13.6	14.0	14.3	14.7	15.0	15.3	15.6
-72.5°	10.5	11.0	11.5	12.1	12.6	13.1	13.6	13.9	14.2	14.5	14.8
-73.75°	9.6	10.1	10.6	11.1	11.5	12.0	12.5	12.9	13.4	13.8	14.1
-75°	8.9	9.3	9.6	10.0	10.5	10.9	11.4	11.8	12.2	12.6	13.0
-76.25°	8.2	8.5	8.8	9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8
-77.5°	7.4	7.7	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.2	10.5



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1	9.3
-80°	6.0	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.9	8.1	8.3
-81.25°	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3
-82.5°	4.5	4.7	4.8	5.0	5.2	5.4	5.6	5.7	5.9	6.1	6.3
-83.75°	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2
-85°	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1
-86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
-87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-88.75°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9
85°	4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2
83.75°	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.5
82.5°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
81.25°	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
80°	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.2	10.4	10.6
78.75°	9.6	9.8	10.1	10.4	10.7	10.9	11.2	11.5	11.7	11.9	12.2
77.5°	10.8	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.8
76.25°	12.1	12.5	12.8	13.2	13.5	13.8	14.0	14.2	14.4	14.6	14.8
75°	13.4	13.8	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5	15.7
73.75°	14.3	14.6	14.9	15.1	15.4	15.6	15.8	16.1	16.3	16.4	16.5
72.5°	15.1	15.4	15.7	16.0	16.2	16.4	16.6	16.7	16.9	17.0	17.2
71.25°	15.9	16.2	16.4	16.6	16.8	17.0	17.2	17.3	17.5	17.7	17.8
70°	16.5	16.8	17.0	17.2	17.4	17.5	17.7	18.0	18.4	18.8	19.1
68.75°	17.0	17.3	17.5	17.7	18.0	18.4	18.8	19.2	19.6	20.0	20.4
67.5°	17.6	17.8	18.2	18.7	19.1	19.6	20.0	20.4	20.8	21.4	22.1
66.25°	18.3	18.8	19.3	19.8	20.2	20.7	21.3	22.1	22.8	23.6	24.3
65°	19.3	19.8	20.4	20.9	21.6	22.5	23.3	24.2	25.0	25.8	26.5
63.75°	20.3	20.9	21.7	22.7	23.6	24.5	25.4	26.3	27.1	27.9	28.7
62.5°	21.5	22.5	23.6	24.5	25.5	26.5	27.4	28.3	29.2	30.0	30.9
61.25°	23.3	24.3	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.1	33.2
60°	25.0	26.1	27.2	28.3	29.3	30.4	31.4	32.4	33.6	34.8	36.0
58.75°	26.7	27.9	29.0	30.1	31.2	32.3	33.6	35.0	36.3	37.6	38.8
57.5°	28.4	29.6	30.8	31.9	33.3	34.7	36.2	37.6	38.9	40.1	41.1
56.25°	30.0	31.3	32.6	34.1	35.7	37.2	38.7	40.0	41.1	42.2	43.3
55°	31.7	33.2	34.8	36.5	38.1	39.6	40.8	42.0	43.2	44.3	45.4
53.75°	33.6	35.4	37.1	38.8	40.3	41.5	42.8	44.0	45.2	46.1	46.9
52.5°	35.7	37.5	39.3	40.7	42.1	43.4	44.7	45.8	46.7	47.5	48.3
51.25°	37.8	39.6	41.1	42.5	43.9	45.3	46.2	47.1	48.1	48.9	49.8
50°	39.8	41.3	42.8	44.2	45.6	46.6	47.5	48.5	49.4	50.4	51.3
48.75°	41.4	42.9	44.4	45.8	46.8	47.8	48.8	49.8	50.8	51.8	52.7
47.5°	42.9	44.5	45.9	47.0	48.0	49.1	50.1	51.2	52.2	53.2	54.1
46.25°	44.4	45.9	47.0	48.1	49.2	50.3	51.4	52.5	53.5	54.6	55.6
45°	45.8	47.0	48.1	49.3	50.4	51.6	52.7	53.8	54.9	56.0	57.0
43.75°	46.8	48.0	49.2	50.4	51.6	52.8	53.9	55.1	56.2	57.3	58.0
42.5°	47.8	49.1	50.3	51.6	52.8	54.0	55.2	56.4	57.5	58.2	58.8
41.25°	48.8	50.1	51.4	52.7	53.9	55.2	56.4	57.6	58.3	59.0	59.6
40°	49.8	51.2	52.5	53.8	55.1	56.4	57.6	58.3	59.0	59.7	60.0
38.75°	50.8	52.2	53.5	54.9	56.2	57.5	58.3	59.0	59.8	60.0	60.3
37.5°	51.8	53.2	54.6	56.0	57.3	58.2	59.0	59.7	60.0	60.3	60.5
36.25°	52.7	54.1	55.6	57.0	58.0	58.8	59.6	60.0	60.3	60.5	61.0
35°	53.6	55.1	56.6	57.8	58.6	59.5	60.0	60.2	60.5	60.9	61.5



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	54.5	56.0	57.5	58.4	59.2	59.9	60.2	60.5	60.9	61.4	61.9
32.5°	55.4	57.0	58.0	58.9	59.8	60.1	60.4	60.8	61.3	61.9	62.3
31.25°	56.3	57.7	58.6	59.5	60.0	60.3	60.6	61.2	61.8	62.3	62.5
30°	57.1	58.2	59.1	59.9	60.2	60.5	61.0	61.6	62.2	62.5	62.8
28.75°	57.7	58.7	59.6	60.1	60.4	60.8	61.4	62.0	62.4	62.7	63.0
27.5°	58.2	59.1	59.9	60.2	60.6	61.1	61.8	62.3	62.6	62.9	63.5
26.25°	58.6	59.6	60.1	60.4	60.8	61.5	62.1	62.5	62.8	63.2	63.9
25°	59.0	59.9	60.2	60.6	61.2	61.8	62.3	62.7	63.0	63.7	64.3
23.75°	59.4	60.0	60.4	60.8	61.5	62.2	62.5	62.8	63.4	64.1	64.7
22.5°	59.8	60.2	60.5	61.1	61.8	62.3	62.7	63.0	63.7	64.5	65.1
21.25°	59.9	60.3	60.7	61.4	62.1	62.5	62.8	63.4	64.1	64.8	65.5
20°	60.1	60.4	60.9	61.7	62.3	62.6	63.0	63.7	64.4	65.1	65.8
18.75°	60.2	60.5	61.2	61.9	62.4	62.8	63.3	64.0	64.8	65.5	66.2
17.5°	60.3	60.7	61.4	62.1	62.5	62.9	63.6	64.3	65.1	65.8	66.7
16.25°	60.4	60.9	61.6	62.3	62.7	63.0	63.8	64.6	65.3	66.1	67.2
15°	60.5	61.1	61.8	62.4	62.8	63.3	64.1	64.8	65.6	66.3	67.8
13.75°	60.5	61.2	62.0	62.5	62.9	63.5	64.3	65.1	65.8	66.8	68.3
12.5°	60.6	61.4	62.2	62.6	63.0	63.7	64.5	65.3	66.0	67.3	68.8
11.25°	60.8	61.6	62.3	62.7	63.1	63.9	64.7	65.5	66.2	67.7	69.2
10°	60.9	61.7	62.3	62.7	63.2	64.1	64.9	65.6	66.5	68.1	69.8
8.75°	61.0	61.8	62.4	62.8	63.4	64.2	65.0	65.8	66.8	68.4	70.6
7.5°	61.1	61.9	62.5	62.8	63.5	64.3	65.1	65.9	67.1	68.7	71.4
6.25°	61.2	62.0	62.5	62.9	63.6	64.4	65.3	66.0	67.4	68.9	72.1
5°	61.3	62.1	62.5	62.9	63.7	64.5	65.3	66.1	67.6	69.1	72.6
3.75°	61.3	62.1	62.6	63.0	63.8	64.6	65.4	66.2	67.7	69.3	73.0
2.5°	61.4	62.2	62.6	63.0	63.8	64.7	65.5	66.3	67.8	69.4	73.3
1.25°	61.4	62.2	62.6	63.0	63.8	64.7	65.5	66.3	67.9	69.5	73.5
0°	61.4	62.2	62.6	63.0	63.8	64.7	65.5	66.3	67.9	69.5	73.6
-1.25°	61.4	62.2	62.6	63.0	63.8	64.7	65.5	66.3	67.9	69.5	73.5
-2.5°	61.4	62.2	62.6	63.0	63.8	64.7	65.5	66.3	67.8	69.4	73.3
-3.75°	61.3	62.1	62.6	63.0	63.8	64.6	65.4	66.2	67.7	69.3	73.0
-5°	61.3	62.1	62.5	62.9	63.7	64.5	65.3	66.1	67.6	69.1	72.6
-6.25°	61.2	62.0	62.5	62.9	63.6	64.4	65.3	66.0	67.4	68.9	72.1
-7.5°	61.1	61.9	62.5	62.8	63.5	64.3	65.1	65.9	67.1	68.7	71.4
-8.75°	61.0	61.8	62.4	62.8	63.4	64.2	65.0	65.8	66.8	68.4	70.6
-10°	60.9	61.7	62.3	62.7	63.2	64.1	64.9	65.6	66.5	68.1	69.8
-11.25°	60.8	61.6	62.3	62.7	63.1	63.9	64.7	65.5	66.2	67.7	69.2
-12.5°	60.6	61.4	62.2	62.6	63.0	63.7	64.5	65.3	66.0	67.3	68.8
-13.75°	60.5	61.2	62.0	62.5	62.9	63.5	64.3	65.1	65.8	66.8	68.3
-15°	60.5	61.1	61.8	62.4	62.8	63.3	64.1	64.8	65.6	66.3	67.8
-16.25°	60.4	60.9	61.6	62.3	62.7	63.0	63.8	64.6	65.3	66.1	67.2
-17.5°	60.3	60.7	61.4	62.1	62.5	62.9	63.6	64.3	65.1	65.8	66.7
-18.75°	60.2	60.5	61.2	61.9	62.4	62.8	63.3	64.0	64.8	65.5	66.2
-20°	60.1	60.4	60.9	61.7	62.3	62.6	63.0	63.7	64.4	65.1	65.8
-21.25°	59.9	60.3	60.7	61.4	62.1	62.5	62.8	63.4	64.1	64.8	65.5



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	59.8	60.2	60.5	61.1	61.8	62.3	62.7	63.0	63.7	64.5	65.1
-23.75°	59.4	60.0	60.4	60.8	61.5	62.2	62.5	62.8	63.4	64.1	64.7
-25°	59.0	59.9	60.2	60.6	61.2	61.8	62.3	62.7	63.0	63.7	64.3
-26.25°	58.6	59.6	60.1	60.4	60.8	61.5	62.1	62.5	62.8	63.2	63.9
-27.5°	58.2	59.1	59.9	60.2	60.6	61.1	61.8	62.3	62.6	62.9	63.5
-28.75°	57.7	58.7	59.6	60.1	60.4	60.8	61.4	62.0	62.4	62.7	63.0
-30°	57.1	58.2	59.1	59.9	60.2	60.5	61.0	61.6	62.2	62.5	62.8
-31.25°	56.3	57.7	58.6	59.5	60.0	60.3	60.6	61.2	61.8	62.3	62.5
-32.5°	55.4	57.0	58.0	58.9	59.8	60.1	60.4	60.8	61.3	61.9	62.3
-33.75°	54.5	56.0	57.5	58.4	59.2	59.9	60.2	60.5	60.9	61.4	61.9
-35°	53.6	55.1	56.6	57.8	58.6	59.5	60.0	60.2	60.5	60.9	61.5
-36.25°	52.7	54.1	55.6	57.0	58.0	58.8	59.6	60.0	60.3	60.5	61.0
-37.5°	51.8	53.2	54.6	56.0	57.3	58.2	59.0	59.7	60.0	60.3	60.5
-38.75°	50.8	52.2	53.5	54.9	56.2	57.5	58.3	59.0	59.8	60.0	60.3
-40°	49.8	51.2	52.5	53.8	55.1	56.4	57.6	58.3	59.0	59.7	60.0
-41.25°	48.8	50.1	51.4	52.7	53.9	55.2	56.4	57.6	58.3	59.0	59.6
-42.5°	47.8	49.1	50.3	51.6	52.8	54.0	55.2	56.4	57.5	58.2	58.8
-43.75°	46.8	48.0	49.2	50.4	51.6	52.8	53.9	55.1	56.2	57.3	58.0
-45°	45.8	47.0	48.1	49.3	50.4	51.6	52.7	53.8	54.9	56.0	57.0
-46.25°	44.4	45.9	47.0	48.1	49.2	50.3	51.4	52.5	53.5	54.6	55.6
-47.5°	42.9	44.5	45.9	47.0	48.0	49.1	50.1	51.2	52.2	53.2	54.1
-48.75°	41.4	42.9	44.4	45.8	46.8	47.8	48.8	49.8	50.8	51.8	52.7
-50°	39.8	41.3	42.8	44.2	45.6	46.6	47.5	48.5	49.4	50.4	51.3
-51.25°	37.8	39.6	41.1	42.5	43.9	45.3	46.2	47.1	48.1	48.9	49.8
-52.5°	35.7	37.5	39.3	40.7	42.1	43.4	44.7	45.8	46.7	47.5	48.3
-53.75°	33.6	35.4	37.1	38.8	40.3	41.5	42.8	44.0	45.2	46.1	46.9
-55°	31.7	33.2	34.8	36.5	38.1	39.6	40.8	42.0	43.2	44.3	45.4
-56.25°	30.0	31.3	32.6	34.1	35.7	37.2	38.7	40.0	41.1	42.2	43.3
-57.5°	28.4	29.6	30.8	31.9	33.3	34.7	36.2	37.6	38.9	40.1	41.1
-58.75°	26.7	27.9	29.0	30.1	31.2	32.3	33.6	35.0	36.3	37.6	38.8
-60°	25.0	26.1	27.2	28.3	29.3	30.4	31.4	32.4	33.6	34.8	36.0
-61.25°	23.3	24.3	25.4	26.4	27.4	28.4	29.4	30.3	31.3	32.1	33.2
-62.5°	21.5	22.5	23.6	24.5	25.5	26.5	27.4	28.3	29.2	30.0	30.9
-63.75°	20.3	20.9	21.7	22.7	23.6	24.5	25.4	26.3	27.1	27.9	28.7
-65°	19.3	19.8	20.4	20.9	21.6	22.5	23.3	24.2	25.0	25.8	26.5
-66.25°	18.3	18.8	19.3	19.8	20.2	20.7	21.3	22.1	22.8	23.6	24.3
-67.5°	17.6	17.8	18.2	18.7	19.1	19.6	20.0	20.4	20.8	21.4	22.1
-68.75°	17.0	17.3	17.5	17.7	18.0	18.4	18.8	19.2	19.6	20.0	20.4
-70°	16.5	16.8	17.0	17.2	17.4	17.5	17.7	18.0	18.4	18.8	19.1
-71.25°	15.9	16.2	16.4	16.6	16.8	17.0	17.2	17.3	17.5	17.7	17.8
-72.5°	15.1	15.4	15.7	16.0	16.2	16.4	16.6	16.7	16.9	17.0	17.2
-73.75°	14.3	14.6	14.9	15.1	15.4	15.6	15.8	16.1	16.3	16.4	16.5
-75°	13.4	13.8	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5	15.7
-76.25°	12.1	12.5	12.8	13.2	13.5	13.8	14.0	14.2	14.4	14.6	14.8
-77.5°	10.8	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.8



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	9.6	9.8	10.1	10.4	10.7	10.9	11.2	11.5	11.7	11.9	12.2
-80°	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.2	10.4	10.6
-81.25°	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
-82.5°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
-83.75°	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.2	6.3	6.4	6.5
-85°	4.2	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2
-86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9
-87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
86.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5
85°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
83.75°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5
82.5°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
81.25°	9.3	9.4	9.5	9.7	9.8	10.0	10.1	10.2	10.4	10.5	10.6
80°	10.8	11.0	11.2	11.4	11.5	11.7	11.9	12.0	12.2	12.3	12.5
78.75°	12.4	12.6	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.1
77.5°	13.9	14.1	14.2	14.4	14.5	14.6	14.8	14.9	15.0	15.1	15.2
76.25°	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1	16.2	16.3
75°	15.9	16.1	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1
73.75°	16.7	16.8	16.9	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8
72.5°	17.3	17.5	17.6	17.7	17.9	18.2	18.4	18.6	18.8	19.0	19.2
71.25°	18.1	18.4	18.7	19.0	19.3	19.6	19.8	20.0	20.3	20.5	20.7
70°	19.4	19.7	20.1	20.4	20.7	20.9	21.4	21.8	22.3	22.7	23.1
68.75°	20.7	21.1	21.7	22.3	22.8	23.3	23.9	24.3	24.8	25.3	25.7
67.5°	22.8	23.4	24.0	24.6	25.2	25.8	26.3	26.9	27.4	27.8	28.3
66.25°	25.0	25.7	26.4	27.0	27.6	28.2	28.8	29.3	29.9	30.4	30.8
65°	27.3	28.0	28.7	29.3	30.0	30.6	31.2	31.8	32.4	33.1	33.7
63.75°	29.5	30.2	31.0	31.7	32.4	33.2	34.0	34.8	35.6	36.3	37.0
62.5°	31.7	32.5	33.5	34.5	35.4	36.3	37.2	38.0	38.8	39.6	40.2
61.25°	34.4	35.4	36.5	37.5	38.5	39.4	40.2	40.9	41.5	42.2	42.8
60°	37.2	38.3	39.4	40.3	41.1	41.9	42.6	43.3	44.0	44.7	45.3
58.75°	39.9	40.9	41.8	42.6	43.5	44.3	45.1	45.7	46.2	46.7	47.1
57.5°	42.1	43.1	44.0	44.9	45.7	46.3	46.8	47.4	47.9	48.4	48.9
56.25°	44.3	45.3	46.0	46.7	47.3	47.9	48.5	49.1	49.7	50.2	50.7
55°	46.1	46.9	47.6	48.3	49.0	49.6	50.2	50.8	51.4	52.0	52.5
53.75°	47.7	48.4	49.2	49.9	50.6	51.3	51.9	52.5	53.1	53.7	54.3
52.5°	49.2	50.0	50.7	51.5	52.2	52.9	53.6	54.3	54.9	55.5	56.1
51.25°	50.7	51.5	52.3	53.1	53.8	54.6	55.3	56.0	56.7	57.3	57.7
50°	52.1	53.0	53.8	54.7	55.5	56.3	57.0	57.6	58.0	58.4	58.8
48.75°	53.6	54.5	55.4	56.3	57.1	57.7	58.2	58.6	59.0	59.4	59.8
47.5°	55.1	56.0	57.0	57.7	58.2	58.7	59.1	59.6	59.9	60.0	60.2
46.25°	56.6	57.5	58.0	58.6	59.1	59.6	59.9	60.1	60.2	60.4	60.5
45°	57.8	58.4	58.9	59.5	59.9	60.1	60.2	60.4	60.6	60.8	61.1
43.75°	58.6	59.2	59.8	60.0	60.2	60.4	60.6	60.8	61.2	61.5	61.8
42.5°	59.5	59.9	60.1	60.3	60.5	60.8	61.1	61.5	61.8	62.2	62.3
41.25°	60.0	60.2	60.4	60.6	61.0	61.4	61.8	62.1	62.3	62.5	62.7
40°	60.2	60.5	60.8	61.2	61.6	62.0	62.3	62.5	62.7	62.8	63.0
38.75°	60.5	60.9	61.3	61.8	62.2	62.4	62.6	62.8	63.0	63.4	63.7
37.5°	60.9	61.4	61.9	62.3	62.5	62.7	62.9	63.2	63.7	64.1	64.5
36.25°	61.5	61.9	62.3	62.5	62.8	63.0	63.5	63.9	64.3	64.7	65.1
35°	62.0	62.3	62.6	62.8	63.1	63.6	64.1	64.6	65.0	65.4	65.8



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	62.3	62.6	62.8	63.2	63.7	64.2	64.7	65.2	65.6	66.0	66.5
32.5°	62.6	62.8	63.2	63.8	64.3	64.8	65.3	65.8	66.2	67.0	67.8
31.25°	62.8	63.2	63.8	64.3	64.9	65.4	65.9	66.4	67.3	68.2	69.1
30°	63.1	63.7	64.3	64.9	65.4	65.9	66.5	67.5	68.5	69.4	71.6
28.75°	63.6	64.2	64.8	65.4	65.9	66.6	67.6	68.7	69.9	72.3	74.7
27.5°	64.1	64.7	65.3	65.9	66.5	67.6	68.7	70.2	72.8	75.3	77.9
26.25°	64.6	65.2	65.8	66.4	67.5	68.7	70.2	72.9	75.6	79.3	86.5
25°	65.0	65.6	66.2	67.3	68.5	69.9	72.8	75.6	79.7	87.5	95.0
23.75°	65.4	66.0	67.0	68.2	69.4	72.3	75.3	79.3	87.5	95.5	103.4
22.5°	65.8	66.5	67.8	69.1	71.6	74.7	77.9	86.5	95.0	103.4	112.0
21.25°	66.2	67.3	68.6	70.6	73.8	76.9	84.7	93.6	102.4	111.5	120.4
20°	66.7	68.1	69.4	72.6	75.9	82.0	91.3	100.4	110.0	119.4	129.3
18.75°	67.4	68.8	71.1	74.5	78.5	88.1	97.6	107.4	117.2	127.2	139.9
17.5°	68.1	69.5	72.9	76.4	84.0	93.8	103.8	114.1	124.2	136.5	164.8
16.25°	68.7	71.0	74.6	79.1	89.3	99.3	109.9	120.4	132.2	155.3	207.8
15°	69.2	72.5	76.2	83.9	94.2	104.7	115.6	126.5	142.2	182.5	261.3
13.75°	70.2	73.9	77.7	88.3	98.8	109.9	121.0	133.8	161.7	226.7	324.2
12.5°	71.5	75.2	81.6	92.4	103.3	114.7	126.1	142.9	188.7	276.5	390.1
11.25°	72.6	76.4	85.2	96.1	107.5	119.1	132.0	158.9	225.0	328.3	453.9
10°	73.6	77.5	88.4	99.5	111.3	123.1	137.3	174.8	263.1	381.3	514.2
8.75°	74.6	80.1	91.3	102.7	114.7	126.8	147.1	203.0	303.4	431.1	568.5
7.5°	75.4	82.5	93.9	105.5	117.7	130.9	158.0	227.8	338.8	475.7	617.3
6.25°	76.0	84.6	96.0	108.0	120.2	134.3	167.3	250.7	374.0	514.6	659.4
5°	76.6	86.3	97.8	110.0	122.3	137.1	178.2	274.5	403.5	546.9	694.3
3.75°	77.0	87.6	99.2	111.5	124.0	139.9	191.3	293.2	426.6	572.3	719.9
2.5°	77.3	88.5	100.2	112.6	125.2	144.0	200.6	306.7	443.3	590.8	738.2
1.25°	77.5	89.1	100.8	113.3	125.9	146.5	206.3	314.7	453.3	602.1	749.3
0°	77.6	89.3	101.0	113.6	126.1	147.3	208.2	317.5	456.7	605.8	753.0
-1.25°	77.5	89.1	100.8	113.3	125.9	146.5	206.3	314.7	453.3	602.1	749.3
-2.5°	77.3	88.5	100.2	112.6	125.2	144.0	200.6	306.7	443.3	590.8	738.2
-3.75°	77.0	87.6	99.2	111.5	124.0	139.9	191.3	293.2	426.6	572.3	719.9
-5°	76.6	86.3	97.8	110.0	122.3	137.1	178.2	274.5	403.5	546.9	694.3
-6.25°	76.0	84.6	96.0	108.0	120.2	134.3	167.3	250.7	374.0	514.6	659.4
-7.5°	75.4	82.5	93.9	105.5	117.7	130.9	158.0	227.8	338.8	475.7	617.3
-8.75°	74.6	80.1	91.3	102.7	114.7	126.8	147.1	203.0	303.4	431.1	568.5
-10°	73.6	77.5	88.4	99.5	111.3	123.1	137.3	174.8	263.1	381.3	514.2
-11.25°	72.6	76.4	85.2	96.1	107.5	119.1	132.0	158.9	225.0	328.3	453.9
-12.5°	71.5	75.2	81.6	92.4	103.3	114.7	126.1	142.9	188.7	276.5	390.1
-13.75°	70.2	73.9	77.7	88.3	98.8	109.9	121.0	133.8	161.7	226.7	324.2
-15°	69.2	72.5	76.2	83.9	94.2	104.7	115.6	126.5	142.2	182.5	261.3
-16.25°	68.7	71.0	74.6	79.1	89.3	99.3	109.9	120.4	132.2	155.3	207.8
-17.5°	68.1	69.5	72.9	76.4	84.0	93.8	103.8	114.1	124.2	136.5	164.8
-18.75°	67.4	68.8	71.1	74.5	78.5	88.1	97.6	107.4	117.2	127.2	139.9
-20°	66.7	68.1	69.4	72.6	75.9	82.0	91.3	100.4	110.0	119.4	129.3
-21.25°	66.2	67.3	68.6	70.6	73.8	76.9	84.7	93.6	102.4	111.5	120.4





REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	65.8	66.5	67.8	69.1	71.6	74.7	77.9	86.5	95.0	103.4	112.0
-23.75°	65.4	66.0	67.0	68.2	69.4	72.3	75.3	79.3	87.5	95.5	103.4
-25°	65.0	65.6	66.2	67.3	68.5	69.9	72.8	75.6	79.7	87.5	95.0
-26.25°	64.6	65.2	65.8	66.4	67.5	68.7	70.2	72.9	75.6	79.3	86.5
-27.5°	64.1	64.7	65.3	65.9	66.5	67.6	68.7	70.2	72.8	75.3	77.9
-28.75°	63.6	64.2	64.8	65.4	65.9	66.6	67.6	68.7	69.9	72.3	74.7
-30°	63.1	63.7	64.3	64.9	65.4	65.9	66.5	67.5	68.5	69.4	71.6
-31.25°	62.8	63.2	63.8	64.3	64.9	65.4	65.9	66.4	67.3	68.2	69.1
-32.5°	62.6	62.8	63.2	63.8	64.3	64.8	65.3	65.8	66.2	67.0	67.8
-33.75°	62.3	62.6	62.8	63.2	63.7	64.2	64.7	65.2	65.6	66.0	66.5
-35°	62.0	62.3	62.6	62.8	63.1	63.6	64.1	64.6	65.0	65.4	65.8
-36.25°	61.5	61.9	62.3	62.5	62.8	63.0	63.5	63.9	64.3	64.7	65.1
-37.5°	60.9	61.4	61.9	62.3	62.5	62.7	62.9	63.2	63.7	64.1	64.5
-38.75°	60.5	60.9	61.3	61.8	62.2	62.4	62.6	62.8	63.0	63.4	63.7
-40°	60.2	60.5	60.8	61.2	61.6	62.0	62.3	62.5	62.7	62.8	63.0
-41.25°	60.0	60.2	60.4	60.6	61.0	61.4	61.8	62.1	62.3	62.5	62.7
-42.5°	59.5	59.9	60.1	60.3	60.5	60.8	61.1	61.5	61.8	62.2	62.3
-43.75°	58.6	59.2	59.8	60.0	60.2	60.4	60.6	60.8	61.2	61.5	61.8
-45°	57.8	58.4	58.9	59.5	59.9	60.1	60.2	60.4	60.6	60.8	61.1
-46.25°	56.6	57.5	58.0	58.6	59.1	59.6	59.9	60.1	60.2	60.4	60.5
-47.5°	55.1	56.0	57.0	57.7	58.2	58.7	59.1	59.6	59.9	60.0	60.2
-48.75°	53.6	54.5	55.4	56.3	57.1	57.7	58.2	58.6	59.0	59.4	59.8
-50°	52.1	53.0	53.8	54.7	55.5	56.3	57.0	57.6	58.0	58.4	58.8
-51.25°	50.7	51.5	52.3	53.1	53.8	54.6	55.3	56.0	56.7	57.3	57.7
-52.5°	49.2	50.0	50.7	51.5	52.2	52.9	53.6	54.3	54.9	55.5	56.1
-53.75°	47.7	48.4	49.2	49.9	50.6	51.3	51.9	52.5	53.1	53.7	54.3
-55°	46.1	46.9	47.6	48.3	49.0	49.6	50.2	50.8	51.4	52.0	52.5
-56.25°	44.3	45.3	46.0	46.7	47.3	47.9	48.5	49.1	49.7	50.2	50.7
-57.5°	42.1	43.1	44.0	44.9	45.7	46.3	46.8	47.4	47.9	48.4	48.9
-58.75°	39.9	40.9	41.8	42.6	43.5	44.3	45.1	45.7	46.2	46.7	47.1
-60°	37.2	38.3	39.4	40.3	41.1	41.9	42.6	43.3	44.0	44.7	45.3
-61.25°	34.4	35.4	36.5	37.5	38.5	39.4	40.2	40.9	41.5	42.2	42.8
-62.5°	31.7	32.5	33.5	34.5	35.4	36.3	37.2	38.0	38.8	39.6	40.2
-63.75°	29.5	30.2	31.0	31.7	32.4	33.2	34.0	34.8	35.6	36.3	37.0
-65°	27.3	28.0	28.7	29.3	30.0	30.6	31.2	31.8	32.4	33.1	33.7
-66.25°	25.0	25.7	26.4	27.0	27.6	28.2	28.8	29.3	29.9	30.4	30.8
-67.5°	22.8	23.4	24.0	24.6	25.2	25.8	26.3	26.9	27.4	27.8	28.3
-68.75°	20.7	21.1	21.7	22.3	22.8	23.3	23.9	24.3	24.8	25.3	25.7
-70°	19.4	19.7	20.1	20.4	20.7	20.9	21.4	21.8	22.3	22.7	23.1
-71.25°	18.1	18.4	18.7	19.0	19.3	19.6	19.8	20.0	20.3	20.5	20.7
-72.5°	17.3	17.5	17.6	17.7	17.9	18.2	18.4	18.6	18.8	19.0	19.2
-73.75°	16.7	16.8	16.9	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8
-75°	15.9	16.1	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1
-76.25°	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1	16.2	16.3
-77.5°	13.9	14.1	14.2	14.4	14.5	14.6	14.8	14.9	15.0	15.1	15.2



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	12.4	12.6	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.1
-80°	10.8	11.0	11.2	11.4	11.5	11.7	11.9	12.0	12.2	12.3	12.5
-81.25°	9.3	9.4	9.5	9.7	9.8	10.0	10.1	10.2	10.4	10.5	10.6
-82.5°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
-83.75°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5
-85°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	6.0
-86.25°	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5
-87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
-88.75°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
86.25°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8
85°	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
83.75°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
82.5°	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6
81.25°	10.7	10.8	11.0	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
80°	12.6	12.7	12.8	13.0	13.1	13.1	13.2	13.3	13.4	13.5	13.5
78.75°	14.2	14.3	14.3	14.4	14.5	14.6	14.6	14.7	14.7	14.8	14.8
77.5°	15.3	15.4	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.1
76.25°	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	16.9
75°	17.1	17.2	17.3	17.3	17.4	17.5	17.5	17.6	17.6	17.7	17.7
73.75°	18.0	18.1	18.3	18.4	18.5	18.7	18.8	18.9	19.0	19.1	19.2
72.5°	19.4	19.6	19.8	19.9	20.1	20.2	20.3	20.5	20.6	20.6	20.7
71.25°	20.9	21.2	21.5	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.3
70°	23.5	23.8	24.2	24.5	24.8	25.1	25.3	25.6	25.8	26.0	26.1
68.75°	26.1	26.5	26.9	27.2	27.5	27.8	28.1	28.3	28.5	28.7	28.9
67.5°	28.7	29.1	29.5	29.8	30.2	30.5	30.8	31.0	31.3	31.5	31.7
66.25°	31.3	31.7	32.1	32.6	33.0	33.4	33.8	34.2	34.5	34.8	35.1
65°	34.3	34.9	35.5	36.0	36.5	37.0	37.4	37.8	38.1	38.4	38.7
63.75°	37.7	38.3	38.9	39.5	39.9	40.3	40.6	40.9	41.2	41.5	41.7
62.5°	40.7	41.2	41.7	42.2	42.6	43.0	43.4	43.7	44.0	44.3	44.5
61.25°	43.3	43.9	44.4	44.9	45.3	45.6	45.9	46.1	46.3	46.5	46.7
60°	45.7	46.1	46.5	46.9	47.2	47.5	47.8	48.1	48.3	48.5	48.7
58.75°	47.6	48.0	48.4	48.7	49.1	49.4	49.7	50.0	50.2	50.5	50.7
57.5°	49.4	49.8	50.2	50.6	51.0	51.3	51.6	51.9	52.2	52.4	52.6
56.25°	51.2	51.7	52.1	52.5	52.9	53.2	53.6	53.9	54.1	54.4	54.6
55°	53.0	53.5	54.0	54.4	54.8	55.2	55.5	55.8	56.1	56.4	56.6
53.75°	54.8	55.4	55.8	56.3	56.7	57.1	57.5	57.6	57.8	58.0	58.1
52.5°	56.7	57.2	57.6	57.9	58.1	58.4	58.6	58.8	59.0	59.2	59.3
51.25°	58.1	58.4	58.7	59.0	59.3	59.5	59.7	59.9	59.9	60.0	60.0
50°	59.1	59.5	59.8	59.9	60.0	60.1	60.2	60.2	60.3	60.4	60.4
48.75°	59.9	60.1	60.2	60.3	60.4	60.5	60.5	60.6	60.8	60.9	61.0
47.5°	60.3	60.4	60.5	60.7	60.9	61.1	61.2	61.4	61.6	61.7	61.8
46.25°	60.7	60.9	61.2	61.4	61.6	61.8	62.0	62.2	62.3	62.3	62.4
45°	61.4	61.7	61.9	62.1	62.3	62.4	62.5	62.6	62.7	62.7	62.8
43.75°	62.1	62.3	62.4	62.5	62.7	62.8	62.9	63.0	63.1	63.2	63.4
42.5°	62.5	62.6	62.8	62.9	63.0	63.3	63.5	63.7	63.9	64.1	64.2
41.25°	62.8	63.0	63.3	63.6	63.8	64.1	64.3	64.5	64.7	64.9	65.0
40°	63.4	63.7	64.0	64.3	64.6	64.8	65.1	65.3	65.5	65.6	65.8
38.75°	64.1	64.4	64.8	65.1	65.3	65.6	65.8	66.0	66.2	66.5	66.8
37.5°	64.8	65.1	65.5	65.8	66.1	66.3	66.8	67.3	67.7	68.1	68.4
36.25°	65.5	65.8	66.2	66.7	67.2	67.8	68.3	68.8	69.2	69.8	70.6
35°	66.2	66.7	67.4	68.1	68.7	69.2	70.2	71.5	72.6	73.6	74.6



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	67.3	68.1	68.8	69.5	71.0	72.5	73.9	75.2	76.4	77.5	80.1
32.5°	68.6	69.4	71.1	72.9	74.6	76.2	77.7	81.6	85.2	88.4	91.3
31.25°	70.6	72.6	74.5	76.4	79.1	83.9	88.3	92.4	96.1	99.5	102.7
30°	73.8	75.9	78.5	84.0	89.3	94.2	98.8	103.3	107.5	111.3	114.7
28.75°	76.9	82.0	88.1	93.8	99.3	104.7	109.9	114.7	119.1	123.1	126.8
27.5°	84.7	91.3	97.6	103.8	109.9	115.6	121.0	126.1	132.0	137.3	147.1
26.25°	93.6	100.4	107.4	114.1	120.4	126.5	133.8	142.9	158.9	174.8	203.0
25°	102.4	110.0	117.2	124.2	132.2	142.2	161.7	188.7	225.0	263.1	303.4
23.75°	111.5	119.4	127.2	136.5	155.3	182.5	226.7	276.5	328.3	381.3	431.1
22.5°	120.4	129.3	139.9	164.8	207.8	261.3	324.2	390.1	453.9	514.2	568.5
21.25°	130.0	143.6	170.6	224.8	291.0	363.8	441.0	515.3	585.0	649.9	707.6
20°	143.6	172.9	233.4	308.9	392.7	478.8	562.4	642.4	715.5	778.9	832.7
18.75°	170.6	233.4	315.0	407.2	502.0	594.7	684.2	763.1	832.4	890.8	939.1
17.5°	224.8	308.9	407.2	509.8	611.1	708.6	795.4	868.6	931.9	985.9	1043.1
16.25°	291.0	392.7	502.0	611.1	716.5	811.4	890.6	958.5	1025.5	1093.5	1176.5
15°	363.8	478.8	594.7	708.6	811.4	898.0	971.9	1050.3	1139.3	1237.4	1351.3
13.75°	441.0	562.4	684.2	795.4	890.6	971.9	1058.7	1162.6	1284.3	1418.3	1567.2
12.5°	515.3	642.4	763.1	868.6	958.5	1050.3	1162.6	1300.0	1458.8	1632.6	1828.1
11.25°	585.0	715.5	832.4	931.9	1025.5	1139.3	1284.3	1458.8	1658.9	1883.4	2114.1
10°	649.9	778.9	890.8	985.9	1093.5	1237.4	1418.3	1632.6	1883.4	2146.7	2413.8
8.75°	707.6	832.7	939.1	1043.1	1176.5	1351.3	1567.2	1828.1	2114.1	2413.8	2710.4
7.5°	755.6	877.0	980.2	1095.4	1256.6	1464.1	1719.9	2018.1	2338.8	2668.6	3000.6
6.25°	796.8	914.1	1020.3	1156.0	1339.8	1573.7	1865.0	2192.5	2545.6	2905.2	3273.0
5°	828.3	942.0	1055.6	1206.7	1410.4	1676.2	1998.3	2353.4	2727.6	3119.5	3513.6
3.75°	851.8	963.9	1083.5	1251.3	1478.4	1766.5	2106.8	2482.8	2878.6	3296.5	3709.4
2.5°	868.8	979.8	1106.8	1288.6	1527.7	1832.4	2186.8	2580.6	2995.2	3428.8	3856.2
1.25°	879.0	989.4	1123.2	1311.2	1557.7	1872.4	2239.5	2640.8	3066.7	3510.5	3947.0
0°	882.5	992.6	1128.7	1318.8	1567.8	1885.8	2257.2	2661.0	3090.9	3538.1	3977.8
-1.25°	879.0	989.4	1123.2	1311.2	1557.7	1872.4	2239.5	2640.8	3066.7	3510.5	3947.0
-2.5°	868.8	979.8	1106.8	1288.6	1527.7	1832.4	2186.8	2580.6	2995.2	3428.8	3856.2
-3.75°	851.8	963.9	1083.5	1251.3	1478.4	1766.5	2106.8	2482.8	2878.6	3296.5	3709.4
-5°	828.3	942.0	1055.6	1206.7	1410.4	1676.2	1998.3	2353.4	2727.6	3119.5	3513.6
-6.25°	796.8	914.1	1020.3	1156.0	1339.8	1573.7	1865.0	2192.5	2545.6	2905.2	3273.0
-7.5°	755.6	877.0	980.2	1095.4	1256.6	1464.1	1719.9	2018.1	2338.8	2668.6	3000.6
-8.75°	707.6	832.7	939.1	1043.1	1176.5	1351.3	1567.2	1828.1	2114.1	2413.8	2710.4
-10°	649.9	778.9	890.8	985.9	1093.5	1237.4	1418.3	1632.6	1883.4	2146.7	2413.8
-11.25°	585.0	715.5	832.4	931.9	1025.5	1139.3	1284.3	1458.8	1658.9	1883.4	2114.1
-12.5°	515.3	642.4	763.1	868.6	958.5	1050.3	1162.6	1300.0	1458.8	1632.6	1828.1
-13.75°	441.0	562.4	684.2	795.4	890.6	971.9	1058.7	1162.6	1284.3	1418.3	1567.2
-15°	363.8	478.8	594.7	708.6	811.4	898.0	971.9	1050.3	1139.3	1237.4	1351.3
-16.25°	291.0	392.7	502.0	611.1	716.5	811.4	890.6	958.5	1025.5	1093.5	1176.5
-17.5°	224.8	308.9	407.2	509.8	611.1	708.6	795.4	868.6	931.9	985.9	1043.1
-18.75°	170.6	233.4	315.0	407.2	502.0	594.7	684.2	763.1	832.4	890.8	939.1
-20°	143.6	172.9	233.4	308.9	392.7	478.8	562.4	642.4	715.5	778.9	832.7
-21.25°	130.0	143.6	170.6	224.8	291.0	363.8	441.0	515.3	585.0	649.9	707.6



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	120.4	129.3	139.9	164.8	207.8	261.3	324.2	390.1	453.9	514.2	568.5
-23.75°	111.5	119.4	127.2	136.5	155.3	182.5	226.7	276.5	328.3	381.3	431.1
-25°	102.4	110.0	117.2	124.2	132.2	142.2	161.7	188.7	225.0	263.1	303.4
-26.25°	93.6	100.4	107.4	114.1	120.4	126.5	133.8	142.9	158.9	174.8	203.0
-27.5°	84.7	91.3	97.6	103.8	109.9	115.6	121.0	126.1	132.0	137.3	147.1
-28.75°	76.9	82.0	88.1	93.8	99.3	104.7	109.9	114.7	119.1	123.1	126.8
-30°	73.8	75.9	78.5	84.0	89.3	94.2	98.8	103.3	107.5	111.3	114.7
-31.25°	70.6	72.6	74.5	76.4	79.1	83.9	88.3	92.4	96.1	99.5	102.7
-32.5°	68.6	69.4	71.1	72.9	74.6	76.2	77.7	81.6	85.2	88.4	91.3
-33.75°	67.3	68.1	68.8	69.5	71.0	72.5	73.9	75.2	76.4	77.5	80.1
-35°	66.2	66.7	67.4	68.1	68.7	69.2	70.2	71.5	72.6	73.6	74.6
-36.25°	65.5	65.8	66.2	66.7	67.2	67.8	68.3	68.8	69.2	69.8	70.6
-37.5°	64.8	65.1	65.5	65.8	66.1	66.3	66.8	67.3	67.7	68.1	68.4
-38.75°	64.1	64.4	64.8	65.1	65.3	65.6	65.8	66.0	66.2	66.5	66.8
-40°	63.4	63.7	64.0	64.3	64.6	64.8	65.1	65.3	65.5	65.6	65.8
-41.25°	62.8	63.0	63.3	63.6	63.8	64.1	64.3	64.5	64.7	64.9	65.0
-42.5°	62.5	62.6	62.8	62.9	63.0	63.3	63.5	63.7	63.9	64.1	64.2
-43.75°	62.1	62.3	62.4	62.5	62.7	62.8	62.9	63.0	63.1	63.2	63.4
-45°	61.4	61.7	61.9	62.1	62.3	62.4	62.5	62.6	62.7	62.7	62.8
-46.25°	60.7	60.9	61.2	61.4	61.6	61.8	62.0	62.2	62.3	62.3	62.4
-47.5°	60.3	60.4	60.5	60.7	60.9	61.1	61.2	61.4	61.6	61.7	61.8
-48.75°	59.9	60.1	60.2	60.3	60.4	60.5	60.5	60.6	60.8	60.9	61.0
-50°	59.1	59.5	59.8	59.9	60.0	60.1	60.2	60.2	60.3	60.4	60.4
-51.25°	58.1	58.4	58.7	59.0	59.3	59.5	59.7	59.9	59.9	60.0	60.0
-52.5°	56.7	57.2	57.6	57.9	58.1	58.4	58.6	58.8	59.0	59.2	59.3
-53.75°	54.8	55.4	55.8	56.3	56.7	57.1	57.5	57.6	57.8	58.0	58.1
-55°	53.0	53.5	54.0	54.4	54.8	55.2	55.5	55.8	56.1	56.4	56.6
-56.25°	51.2	51.7	52.1	52.5	52.9	53.2	53.6	53.9	54.1	54.4	54.6
-57.5°	49.4	49.8	50.2	50.6	51.0	51.3	51.6	51.9	52.2	52.4	52.6
-58.75°	47.6	48.0	48.4	48.7	49.1	49.4	49.7	50.0	50.2	50.5	50.7
-60°	45.7	46.1	46.5	46.9	47.2	47.5	47.8	48.1	48.3	48.5	48.7
-61.25°	43.3	43.9	44.4	44.9	45.3	45.6	45.9	46.1	46.3	46.5	46.7
-62.5°	40.7	41.2	41.7	42.2	42.6	43.0	43.4	43.7	44.0	44.3	44.5
-63.75°	37.7	38.3	38.9	39.5	39.9	40.3	40.6	40.9	41.2	41.5	41.7
-65°	34.3	34.9	35.5	36.0	36.5	37.0	37.4	37.8	38.1	38.4	38.7
-66.25°	31.3	31.7	32.1	32.6	33.0	33.4	33.8	34.2	34.5	34.8	35.1
-67.5°	28.7	29.1	29.5	29.8	30.2	30.5	30.8	31.0	31.3	31.5	31.7
-68.75°	26.1	26.5	26.9	27.2	27.5	27.8	28.1	28.3	28.5	28.7	28.9
-70°	23.5	23.8	24.2	24.5	24.8	25.1	25.3	25.6	25.8	26.0	26.1
-71.25°	20.9	21.2	21.5	21.8	22.1	22.3	22.6	22.8	23.0	23.2	23.3
-72.5°	19.4	19.6	19.8	19.9	20.1	20.2	20.3	20.5	20.6	20.6	20.7
-73.75°	18.0	18.1	18.3	18.4	18.5	18.7	18.8	18.9	19.0	19.1	19.2
-75°	17.1	17.2	17.3	17.3	17.4	17.5	17.5	17.6	17.6	17.7	17.7
-76.25°	16.4	16.5	16.5	16.6	16.6	16.7	16.7	16.8	16.8	16.9	16.9
-77.5°	15.3	15.4	15.5	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.1



REPORT NUMBER: P220461 (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°	14.2	14.3	14.3	14.4	14.5	14.6	14.6	14.7	14.7	14.8	14.8
-80°	12.6	12.7	12.8	13.0	13.1	13.1	13.2	13.3	13.4	13.5	13.5
-81.25°	10.7	10.8	11.0	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5
-82.5°	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6
-83.75°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-85°	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-86.25°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.8	4.8	4.8
-87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
-88.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
86.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.8	4.8
85°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
83.75°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
81.25°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
80°	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6
78.75°	14.9	14.9	14.9	14.9	14.9	14.9	15.0	14.9	14.9	14.9	14.9
77.5°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
76.25°	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
73.75°	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
72.5°	20.8	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9
71.25°	23.5	23.6	23.7	23.8	23.8	23.8	23.9	23.8	23.8	23.8	23.7
70°	26.3	26.4	26.5	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.5
68.75°	29.1	29.2	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.3
67.5°	31.8	32.0	32.1	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.1
66.25°	35.3	35.5	35.7	35.8	35.9	35.9	36.0	35.9	35.9	35.8	35.7
65°	38.9	39.1	39.3	39.4	39.5	39.6	39.6	39.6	39.5	39.4	39.3
63.75°	41.9	42.1	42.2	42.3	42.4	42.4	42.5	42.4	42.4	42.3	42.2
62.5°	44.7	44.9	45.0	45.2	45.2	45.3	45.3	45.3	45.2	45.2	45.0
61.25°	46.9	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.2	47.1
60°	48.8	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.2	49.2	49.1
58.75°	50.8	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.2	51.2	51.1
57.5°	52.8	53.0	53.1	53.2	53.2	53.3	53.3	53.3	53.2	53.2	53.1
56.25°	54.8	55.0	55.1	55.2	55.3	55.3	55.4	55.3	55.3	55.2	55.1
55°	56.8	57.0	57.1	57.3	57.3	57.4	57.4	57.4	57.3	57.3	57.1
53.75°	58.3	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.5	58.4
52.5°	59.4	59.5	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.7	59.6
51.25°	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.1
50°	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.5
48.75°	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.3	61.3
47.5°	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.1	62.1
46.25°	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.5
45°	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.9
43.75°	63.5	63.6	63.7	63.8	63.8	63.8	63.9	63.8	63.8	63.8	63.7
42.5°	64.3	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.6	64.5
41.25°	65.1	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.4	65.3
40°	65.9	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.2	66.1
38.75°	67.1	67.4	67.6	67.7	67.8	67.9	67.9	67.9	67.8	67.7	67.6
37.5°	68.7	68.9	69.1	69.3	69.4	69.5	69.5	69.5	69.4	69.3	69.1
36.25°	71.4	72.1	72.6	73.0	73.3	73.5	73.6	73.5	73.3	73.0	72.6
35°	75.4	76.0	76.6	77.0	77.3	77.5	77.6	77.5	77.3	77.0	76.6



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	82.5	84.6	86.3	87.6	88.5	89.1	89.3	89.1	88.5	87.6	86.3
32.5°	93.9	96.0	97.8	99.2	100.2	100.8	101.0	100.8	100.2	99.2	97.8
31.25°	105.5	108.0	110.0	111.5	112.6	113.3	113.6	113.3	112.6	111.5	110.0
30°	117.7	120.2	122.3	124.0	125.2	125.9	126.1	125.9	125.2	124.0	122.3
28.75°	130.9	134.3	137.1	139.9	144.0	146.5	147.3	146.5	144.0	139.9	137.1
27.5°	158.0	167.3	178.2	191.3	200.6	206.3	208.2	206.3	200.6	191.3	178.2
26.25°	227.8	250.7	274.5	293.2	306.7	314.7	317.5	314.7	306.7	293.2	274.5
25°	338.8	374.0	403.5	426.6	443.3	453.3	456.7	453.3	443.3	426.6	403.5
23.75°	475.7	514.6	546.9	572.3	590.8	602.1	605.8	602.1	590.8	572.3	546.9
22.5°	617.3	659.4	694.3	719.9	738.2	749.3	753.0	749.3	738.2	719.9	694.3
21.25°	755.6	796.8	828.3	851.8	868.8	879.0	882.5	879.0	868.8	851.8	828.3
20°	877.0	914.1	942.0	963.9	979.8	989.4	992.6	989.4	979.8	963.9	942.0
18.75°	980.2	1020.3	1055.6	1083.5	1106.8	1123.2	1128.7	1123.2	1106.8	1083.5	1055.6
17.5°	1095.4	1156.0	1206.7	1251.3	1288.6	1311.2	1318.8	1311.2	1288.6	1251.3	1206.7
16.25°	1256.6	1339.8	1410.4	1478.4	1527.7	1557.7	1567.8	1557.7	1527.7	1478.4	1410.4
15°	1464.1	1573.7	1676.2	1766.5	1832.4	1872.4	1885.8	1872.4	1832.4	1766.5	1676.2
13.75°	1719.9	1865.0	1998.3	2106.8	2186.8	2239.5	2257.2	2239.5	2186.8	2106.8	1998.3
12.5°	2018.1	2192.5	2353.4	2482.8	2580.6	2640.8	2661.0	2640.8	2580.6	2482.8	2353.4
11.25°	2338.8	2545.6	2727.6	2878.6	2995.2	3066.7	3090.9	3066.7	2995.2	2878.6	2727.6
10°	2668.6	2905.2	3119.5	3296.5	3428.8	3510.5	3538.1	3510.5	3428.8	3296.5	3119.5
8.75°	3000.6	3273.0	3513.6	3709.4	3856.2	3947.0	3977.8	3947.0	3856.2	3709.4	3513.6
7.5°	3325.8	3625.7	3888.4	4106.8	4270.6	4366.8	4399.8	4366.8	4270.6	4106.8	3888.4
6.25°	3625.7	3949.8	4240.4	4468.6	4633.2	4730.0	4763.5	4730.0	4633.2	4468.6	4240.4
5°	3888.4	4240.4	4538.5	4764.3	4932.1	5038.7	5076.3	5038.7	4932.1	4764.3	4538.5
3.75°	4106.8	4468.6	4764.3	5002.5	5172.9	5280.1	5315.2	5280.1	5172.9	5002.5	4764.3
2.5°	4270.6	4633.2	4932.1	5172.9	5352.3	5467.6	5500.3	5467.6	5352.3	5172.9	4932.1
1.25°	4366.8	4730.0	5038.7	5280.1	5467.6	5575.3	5619.3	5575.3	5467.6	5280.1	5038.7
0°	4399.8	4763.5	5076.3	5315.2	5500.3	5619.3	5703.6	5619.3	5500.3	5315.2	5076.3
-1.25°	4366.8	4730.0	5038.7	5280.1	5467.6	5575.3	5619.3	5575.3	5467.6	5280.1	5038.7
-2.5°	4270.6	4633.2	4932.1	5172.9	5352.3	5467.6	5500.3	5467.6	5352.3	5172.9	4932.1
-3.75°	4106.8	4468.6	4764.3	5002.5	5172.9	5280.1	5315.2	5280.1	5172.9	5002.5	4764.3
-5°	3888.4	4240.4	4538.5	4764.3	4932.1	5038.7	5076.3	5038.7	4932.1	4764.3	4538.5
-6.25°	3625.7	3949.8	4240.4	4468.6	4633.2	4730.0	4763.5	4730.0	4633.2	4468.6	4240.4
-7.5°	3325.8	3625.7	3888.4	4106.8	4270.6	4366.8	4399.8	4366.8	4270.6	4106.8	3888.4
-8.75°	3000.6	3273.0	3513.6	3709.4	3856.2	3947.0	3977.8	3947.0	3856.2	3709.4	3513.6
-10°	2668.6	2905.2	3119.5	3296.5	3428.8	3510.5	3538.1	3510.5	3428.8	3296.5	3119.5
-11.25°	2338.8	2545.6	2727.6	2878.6	2995.2	3066.7	3090.9	3066.7	2995.2	2878.6	2727.6
-12.5°	2018.1	2192.5	2353.4	2482.8	2580.6	2640.8	2661.0	2640.8	2580.6	2482.8	2353.4
-13.75°	1719.9	1865.0	1998.3	2106.8	2186.8	2239.5	2257.2	2239.5	2186.8	2106.8	1998.3
-15°	1464.1	1573.7	1676.2	1766.5	1832.4	1872.4	1885.8	1872.4	1832.4	1766.5	1676.2
-16.25°	1256.6	1339.8	1410.4	1478.4	1527.7	1557.7	1567.8	1557.7	1527.7	1478.4	1410.4
-17.5°	1095.4	1156.0	1206.7	1251.3	1288.6	1311.2	1318.8	1311.2	1288.6	1251.3	1206.7
-18.75°	980.2	1020.3	1055.6	1083.5	1106.8	1123.2	1128.7	1123.2	1106.8	1083.5	1055.6
-20°	877.0	914.1	942.0	963.9	979.8	989.4	992.6	989.4	979.8	963.9	942.0
-21.25°	755.6	796.8	828.3	851.8	868.8	879.0	882.5	879.0	868.8	851.8	828.3





REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	617.3	659.4	694.3	719.9	738.2	749.3	753.0	749.3	738.2	719.9	694.3
-23.75°	475.7	514.6	546.9	572.3	590.8	602.1	605.8	602.1	590.8	572.3	546.9
-25°	338.8	374.0	403.5	426.6	443.3	453.3	456.7	453.3	443.3	426.6	403.5
-26.25°	227.8	250.7	274.5	293.2	306.7	314.7	317.5	314.7	306.7	293.2	274.5
-27.5°	158.0	167.3	178.2	191.3	200.6	206.3	208.2	206.3	200.6	191.3	178.2
-28.75°	130.9	134.3	137.1	139.9	144.0	146.5	147.3	146.5	144.0	139.9	137.1
-30°	117.7	120.2	122.3	124.0	125.2	125.9	126.1	125.9	125.2	124.0	122.3
-31.25°	105.5	108.0	110.0	111.5	112.6	113.3	113.6	113.3	112.6	111.5	110.0
-32.5°	93.9	96.0	97.8	99.2	100.2	100.8	101.0	100.8	100.2	99.2	97.8
-33.75°	82.5	84.6	86.3	87.6	88.5	89.1	89.3	89.1	88.5	87.6	86.3
-35°	75.4	76.0	76.6	77.0	77.3	77.5	77.6	77.5	77.3	77.0	76.6
-36.25°	71.4	72.1	72.6	73.0	73.3	73.5	73.6	73.5	73.3	73.0	72.6
-37.5°	68.7	68.9	69.1	69.3	69.4	69.5	69.5	69.5	69.4	69.3	69.1
-38.75°	67.1	67.4	67.6	67.7	67.8	67.9	67.9	67.9	67.8	67.7	67.6
-40°	65.9	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.2	66.1
-41.25°	65.1	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.4	65.3
-42.5°	64.3	64.4	64.5	64.6	64.7	64.7	64.7	64.7	64.7	64.6	64.5
-43.75°	63.5	63.6	63.7	63.8	63.8	63.8	63.9	63.8	63.8	63.8	63.7
-45°	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	62.9
-46.25°	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.5
-47.5°	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.1	62.1
-48.75°	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.3	61.3
-50°	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.5
-51.25°	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.1
-52.5°	59.4	59.5	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.7	59.6
-53.75°	58.3	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.5	58.4
-55°	56.8	57.0	57.1	57.3	57.3	57.4	57.4	57.4	57.3	57.3	57.1
-56.25°	54.8	55.0	55.1	55.2	55.3	55.3	55.4	55.3	55.3	55.2	55.1
-57.5°	52.8	53.0	53.1	53.2	53.2	53.3	53.3	53.3	53.2	53.2	53.1
-58.75°	50.8	51.0	51.1	51.2	51.2	51.3	51.3	51.3	51.2	51.2	51.1
-60°	48.8	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.2	49.2	49.1
-61.25°	46.9	47.0	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.2	47.1
-62.5°	44.7	44.9	45.0	45.2	45.2	45.3	45.3	45.3	45.2	45.2	45.0
-63.75°	41.9	42.1	42.2	42.3	42.4	42.4	42.5	42.4	42.4	42.3	42.2
-65°	38.9	39.1	39.3	39.4	39.5	39.6	39.6	39.6	39.5	39.4	39.3
-66.25°	35.3	35.5	35.7	35.8	35.9	35.9	36.0	35.9	35.9	35.8	35.7
-67.5°	31.8	32.0	32.1	32.2	32.2	32.3	32.3	32.3	32.2	32.2	32.1
-68.75°	29.1	29.2	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.4	29.3
-70°	26.3	26.4	26.5	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.5
-71.25°	23.5	23.6	23.7	23.8	23.8	23.8	23.9	23.8	23.8	23.8	23.7
-72.5°	20.8	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9
-73.75°	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
-75°	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
-76.25°	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
-77.5°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2



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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°	14.9	14.9	14.9	14.9	14.9	14.9	15.0	14.9	14.9	14.9	14.9
-80°	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6
-81.25°	11.6	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.6
-82.5°	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
-83.75°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
-85°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-86.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.8	4.8
-87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
86.25°	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6
85°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
83.75°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
82.5°	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2
81.25°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	11.0
80°	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.1	13.0	12.8
78.75°	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6	14.5	14.4	14.3
77.5°	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6	15.5
76.25°	16.9	16.9	16.9	16.9	16.8	16.8	16.7	16.7	16.6	16.6	16.5
75°	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5	17.4	17.3	17.3
73.75°	19.3	19.2	19.2	19.1	19.0	18.9	18.8	18.7	18.5	18.4	18.3
72.5°	20.9	20.8	20.7	20.6	20.6	20.5	20.3	20.2	20.1	19.9	19.8
71.25°	23.6	23.5	23.3	23.2	23.0	22.8	22.6	22.3	22.1	21.8	21.5
70°	26.4	26.3	26.1	26.0	25.8	25.6	25.3	25.1	24.8	24.5	24.2
68.75°	29.2	29.1	28.9	28.7	28.5	28.3	28.1	27.8	27.5	27.2	26.9
67.5°	32.0	31.8	31.7	31.5	31.3	31.0	30.8	30.5	30.2	29.8	29.5
66.25°	35.5	35.3	35.1	34.8	34.5	34.2	33.8	33.4	33.0	32.6	32.1
65°	39.1	38.9	38.7	38.4	38.1	37.8	37.4	37.0	36.5	36.0	35.5
63.75°	42.1	41.9	41.7	41.5	41.2	40.9	40.6	40.3	39.9	39.5	38.9
62.5°	44.9	44.7	44.5	44.3	44.0	43.7	43.4	43.0	42.6	42.2	41.7
61.25°	47.0	46.9	46.7	46.5	46.3	46.1	45.9	45.6	45.3	44.9	44.4
60°	49.0	48.8	48.7	48.5	48.3	48.1	47.8	47.5	47.2	46.9	46.5
58.75°	51.0	50.8	50.7	50.5	50.2	50.0	49.7	49.4	49.1	48.7	48.4
57.5°	53.0	52.8	52.6	52.4	52.2	51.9	51.6	51.3	51.0	50.6	50.2
56.25°	55.0	54.8	54.6	54.4	54.1	53.9	53.6	53.2	52.9	52.5	52.1
55°	57.0	56.8	56.6	56.4	56.1	55.8	55.5	55.2	54.8	54.4	54.0
53.75°	58.4	58.3	58.1	58.0	57.8	57.6	57.5	57.1	56.7	56.3	55.8
52.5°	59.5	59.4	59.3	59.2	59.0	58.8	58.6	58.4	58.1	57.9	57.6
51.25°	60.1	60.1	60.0	60.0	59.9	59.9	59.7	59.5	59.3	59.0	58.7
50°	60.5	60.5	60.4	60.4	60.3	60.2	60.2	60.1	60.0	59.9	59.8
48.75°	61.2	61.1	61.0	60.9	60.8	60.6	60.5	60.5	60.4	60.3	60.2
47.5°	62.0	61.9	61.8	61.7	61.6	61.4	61.2	61.1	60.9	60.7	60.5
46.25°	62.5	62.5	62.4	62.3	62.3	62.2	62.0	61.8	61.6	61.4	61.2
45°	62.9	62.8	62.8	62.7	62.7	62.6	62.5	62.4	62.3	62.1	61.9
43.75°	63.6	63.5	63.4	63.2	63.1	63.0	62.9	62.8	62.7	62.5	62.4
42.5°	64.4	64.3	64.2	64.1	63.9	63.7	63.5	63.3	63.0	62.9	62.8
41.25°	65.3	65.1	65.0	64.9	64.7	64.5	64.3	64.1	63.8	63.6	63.3
40°	66.0	65.9	65.8	65.6	65.5	65.3	65.1	64.8	64.6	64.3	64.0
38.75°	67.4	67.1	66.8	66.5	66.2	66.0	65.8	65.6	65.3	65.1	64.8
37.5°	68.9	68.7	68.4	68.1	67.7	67.3	66.8	66.3	66.1	65.8	65.5
36.25°	72.1	71.4	70.6	69.8	69.2	68.8	68.3	67.8	67.2	66.7	66.2
35°	76.0	75.4	74.6	73.6	72.6	71.5	70.2	69.2	68.7	68.1	67.4



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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°	84.6	82.5	80.1	77.5	76.4	75.2	73.9	72.5	71.0	69.5	68.8
32.5°	96.0	93.9	91.3	88.4	85.2	81.6	77.7	76.2	74.6	72.9	71.1
31.25°	108.0	105.5	102.7	99.5	96.1	92.4	88.3	83.9	79.1	76.4	74.5
30°	120.2	117.7	114.7	111.3	107.5	103.3	98.8	94.2	89.3	84.0	78.5
28.75°	134.3	130.9	126.8	123.1	119.1	114.7	109.9	104.7	99.3	93.8	88.1
27.5°	167.3	158.0	147.1	137.3	132.0	126.1	121.0	115.6	109.9	103.8	97.6
26.25°	250.7	227.8	203.0	174.8	158.9	142.9	133.8	126.5	120.4	114.1	107.4
25°	374.0	338.8	303.4	263.1	225.0	188.7	161.7	142.2	132.2	124.2	117.2
23.75°	514.6	475.7	431.1	381.3	328.3	276.5	226.7	182.5	155.3	136.5	127.2
22.5°	659.4	617.3	568.5	514.2	453.9	390.1	324.2	261.3	207.8	164.8	139.9
21.25°	796.8	755.6	707.6	649.9	585.0	515.3	441.0	363.8	291.0	224.8	170.6
20°	914.1	877.0	832.7	778.9	715.5	642.4	562.4	478.8	392.7	308.9	233.4
18.75°	1020.3	980.2	939.1	890.8	832.4	763.1	684.2	594.7	502.0	407.2	315.0
17.5°	1156.0	1095.4	1043.1	985.9	931.9	868.6	795.4	708.6	611.1	509.8	407.2
16.25°	1339.8	1256.6	1176.5	1093.5	1025.5	958.5	890.6	811.4	716.5	611.1	502.0
15°	1573.7	1464.1	1351.3	1237.4	1139.3	1050.3	971.9	898.0	811.4	708.6	594.7
13.75°	1865.0	1719.9	1567.2	1418.3	1284.3	1162.6	1058.7	971.9	890.6	795.4	684.2
12.5°	2192.5	2018.1	1828.1	1632.6	1458.8	1300.0	1162.6	1050.3	958.5	868.6	763.1
11.25°	2545.6	2338.8	2114.1	1883.4	1658.9	1458.8	1284.3	1139.3	1025.5	931.9	832.4
10°	2905.2	2668.6	2413.8	2146.7	1883.4	1632.6	1418.3	1237.4	1093.5	985.9	890.8
8.75°	3273.0	3000.6	2710.4	2413.8	2114.1	1828.1	1567.2	1351.3	1176.5	1043.1	939.1
7.5°	3625.7	3325.8	3000.6	2668.6	2338.8	2018.1	1719.9	1464.1	1256.6	1095.4	980.2
6.25°	3949.8	3625.7	3273.0	2905.2	2545.6	2192.5	1865.0	1573.7	1339.8	1156.0	1020.3
5°	4240.4	3888.4	3513.6	3119.5	2727.6	2353.4	1998.3	1676.2	1410.4	1206.7	1055.6
3.75°	4468.6	4106.8	3709.4	3296.5	2878.6	2482.8	2106.8	1766.5	1478.4	1251.3	1083.5
2.5°	4633.2	4270.6	3856.2	3428.8	2995.2	2580.6	2186.8	1832.4	1527.7	1288.6	1106.8
1.25°	4730.0	4366.8	3947.0	3510.5	3066.7	2640.8	2239.5	1872.4	1557.7	1311.2	1123.2
0°	4763.5	4399.8	3977.8	3538.1	3090.9	2661.0	2257.2	1885.8	1567.8	1318.8	1128.7
-1.25°	4730.0	4366.8	3947.0	3510.5	3066.7	2640.8	2239.5	1872.4	1557.7	1311.2	1123.2
-2.5°	4633.2	4270.6	3856.2	3428.8	2995.2	2580.6	2186.8	1832.4	1527.7	1288.6	1106.8
-3.75°	4468.6	4106.8	3709.4	3296.5	2878.6	2482.8	2106.8	1766.5	1478.4	1251.3	1083.5
-5°	4240.4	3888.4	3513.6	3119.5	2727.6	2353.4	1998.3	1676.2	1410.4	1206.7	1055.6
-6.25°	3949.8	3625.7	3273.0	2905.2	2545.6	2192.5	1865.0	1573.7	1339.8	1156.0	1020.3
-7.5°	3625.7	3325.8	3000.6	2668.6	2338.8	2018.1	1719.9	1464.1	1256.6	1095.4	980.2
-8.75°	3273.0	3000.6	2710.4	2413.8	2114.1	1828.1	1567.2	1351.3	1176.5	1043.1	939.1
-10°	2905.2	2668.6	2413.8	2146.7	1883.4	1632.6	1418.3	1237.4	1093.5	985.9	890.8
-11.25°	2545.6	2338.8	2114.1	1883.4	1658.9	1458.8	1284.3	1139.3	1025.5	931.9	832.4
-12.5°	2192.5	2018.1	1828.1	1632.6	1458.8	1300.0	1162.6	1050.3	958.5	868.6	763.1
-13.75°	1865.0	1719.9	1567.2	1418.3	1284.3	1162.6	1058.7	971.9	890.6	795.4	684.2
-15°	1573.7	1464.1	1351.3	1237.4	1139.3	1050.3	971.9	898.0	811.4	708.6	594.7
-16.25°	1339.8	1256.6	1176.5	1093.5	1025.5	958.5	890.6	811.4	716.5	611.1	502.0
-17.5°	1156.0	1095.4	1043.1	985.9	931.9	868.6	795.4	708.6	611.1	509.8	407.2
-18.75°	1020.3	980.2	939.1	890.8	832.4	763.1	684.2	594.7	502.0	407.2	315.0
-20°	914.1	877.0	832.7	778.9	715.5	642.4	562.4	478.8	392.7	308.9	233.4
-21.25°	796.8	755.6	707.6	649.9	585.0	515.3	441.0	363.8	291.0	224.8	170.6



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	659.4	617.3	568.5	514.2	453.9	390.1	324.2	261.3	207.8	164.8	139.9
-23.75°	514.6	475.7	431.1	381.3	328.3	276.5	226.7	182.5	155.3	136.5	127.2
-25°	374.0	338.8	303.4	263.1	225.0	188.7	161.7	142.2	132.2	124.2	117.2
-26.25°	250.7	227.8	203.0	174.8	158.9	142.9	133.8	126.5	120.4	114.1	107.4
-27.5°	167.3	158.0	147.1	137.3	132.0	126.1	121.0	115.6	109.9	103.8	97.6
-28.75°	134.3	130.9	126.8	123.1	119.1	114.7	109.9	104.7	99.3	93.8	88.1
-30°	120.2	117.7	114.7	111.3	107.5	103.3	98.8	94.2	89.3	84.0	78.5
-31.25°	108.0	105.5	102.7	99.5	96.1	92.4	88.3	83.9	79.1	76.4	74.5
-32.5°	96.0	93.9	91.3	88.4	85.2	81.6	77.7	76.2	74.6	72.9	71.1
-33.75°	84.6	82.5	80.1	77.5	76.4	75.2	73.9	72.5	71.0	69.5	68.8
-35°	76.0	75.4	74.6	73.6	72.6	71.5	70.2	69.2	68.7	68.1	67.4
-36.25°	72.1	71.4	70.6	69.8	69.2	68.8	68.3	67.8	67.2	66.7	66.2
-37.5°	68.9	68.7	68.4	68.1	67.7	67.3	66.8	66.3	66.1	65.8	65.5
-38.75°	67.4	67.1	66.8	66.5	66.2	66.0	65.8	65.6	65.3	65.1	64.8
-40°	66.0	65.9	65.8	65.6	65.5	65.3	65.1	64.8	64.6	64.3	64.0
-41.25°	65.3	65.1	65.0	64.9	64.7	64.5	64.3	64.1	63.8	63.6	63.3
-42.5°	64.4	64.3	64.2	64.1	63.9	63.7	63.5	63.3	63.0	62.9	62.8
-43.75°	63.6	63.5	63.4	63.2	63.1	63.0	62.9	62.8	62.7	62.5	62.4
-45°	62.9	62.8	62.8	62.7	62.7	62.6	62.5	62.4	62.3	62.1	61.9
-46.25°	62.5	62.5	62.4	62.3	62.3	62.2	62.0	61.8	61.6	61.4	61.2
-47.5°	62.0	61.9	61.8	61.7	61.6	61.4	61.2	61.1	60.9	60.7	60.5
-48.75°	61.2	61.1	61.0	60.9	60.8	60.6	60.5	60.5	60.4	60.3	60.2
-50°	60.5	60.5	60.4	60.4	60.3	60.2	60.2	60.1	60.0	59.9	59.8
-51.25°	60.1	60.1	60.0	60.0	59.9	59.9	59.7	59.5	59.3	59.0	58.7
-52.5°	59.5	59.4	59.3	59.2	59.0	58.8	58.6	58.4	58.1	57.9	57.6
-53.75°	58.4	58.3	58.1	58.0	57.8	57.6	57.5	57.1	56.7	56.3	55.8
-55°	57.0	56.8	56.6	56.4	56.1	55.8	55.5	55.2	54.8	54.4	54.0
-56.25°	55.0	54.8	54.6	54.4	54.1	53.9	53.6	53.2	52.9	52.5	52.1
-57.5°	53.0	52.8	52.6	52.4	52.2	51.9	51.6	51.3	51.0	50.6	50.2
-58.75°	51.0	50.8	50.7	50.5	50.2	50.0	49.7	49.4	49.1	48.7	48.4
-60°	49.0	48.8	48.7	48.5	48.3	48.1	47.8	47.5	47.2	46.9	46.5
-61.25°	47.0	46.9	46.7	46.5	46.3	46.1	45.9	45.6	45.3	44.9	44.4
-62.5°	44.9	44.7	44.5	44.3	44.0	43.7	43.4	43.0	42.6	42.2	41.7
-63.75°	42.1	41.9	41.7	41.5	41.2	40.9	40.6	40.3	39.9	39.5	38.9
-65°	39.1	38.9	38.7	38.4	38.1	37.8	37.4	37.0	36.5	36.0	35.5
-66.25°	35.5	35.3	35.1	34.8	34.5	34.2	33.8	33.4	33.0	32.6	32.1
-67.5°	32.0	31.8	31.7	31.5	31.3	31.0	30.8	30.5	30.2	29.8	29.5
-68.75°	29.2	29.1	28.9	28.7	28.5	28.3	28.1	27.8	27.5	27.2	26.9
-70°	26.4	26.3	26.1	26.0	25.8	25.6	25.3	25.1	24.8	24.5	24.2
-71.25°	23.6	23.5	23.3	23.2	23.0	22.8	22.6	22.3	22.1	21.8	21.5
-72.5°	20.9	20.8	20.7	20.6	20.6	20.5	20.3	20.2	20.1	19.9	19.8
-73.75°	19.3	19.2	19.2	19.1	19.0	18.9	18.8	18.7	18.5	18.4	18.3
-75°	17.7	17.7	17.7	17.7	17.6	17.6	17.5	17.5	17.4	17.3	17.3
-76.25°	16.9	16.9	16.9	16.9	16.8	16.8	16.7	16.7	16.6	16.6	16.5
-77.5°	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6	15.5



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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°	14.9	14.9	14.8	14.8	14.7	14.7	14.6	14.6	14.5	14.4	14.3
-80°	13.6	13.6	13.5	13.5	13.4	13.3	13.2	13.1	13.1	13.0	12.8
-81.25°	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0	11.0
-82.5°	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2
-83.75°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
-85°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-86.25°	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6
-87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-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: P220461 (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°
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°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
86.25°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1
85°	6.1	6.1	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
83.75°	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
82.5°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2
81.25°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.8	9.7	9.5
80°	12.7	12.6	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.4	11.2
78.75°	14.3	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.3	13.1	12.9
77.5°	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.6	14.5	14.4	14.2
76.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3
75°	17.2	17.1	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3
73.75°	18.1	18.0	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.1	16.9
72.5°	19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.2	17.9	17.7	17.6
71.25°	21.2	20.9	20.7	20.5	20.3	20.0	19.8	19.6	19.3	19.0	18.7
70°	23.8	23.5	23.1	22.7	22.3	21.8	21.4	20.9	20.7	20.4	20.1
68.75°	26.5	26.1	25.7	25.3	24.8	24.3	23.9	23.3	22.8	22.3	21.7
67.5°	29.1	28.7	28.3	27.8	27.4	26.9	26.3	25.8	25.2	24.6	24.0
66.25°	31.7	31.3	30.8	30.4	29.9	29.3	28.8	28.2	27.6	27.0	26.4
65°	34.9	34.3	33.7	33.1	32.4	31.8	31.2	30.6	30.0	29.3	28.7
63.75°	38.3	37.7	37.0	36.3	35.6	34.8	34.0	33.2	32.4	31.7	31.0
62.5°	41.2	40.7	40.2	39.6	38.8	38.0	37.2	36.3	35.4	34.5	33.5
61.25°	43.9	43.3	42.8	42.2	41.5	40.9	40.2	39.4	38.5	37.5	36.5
60°	46.1	45.7	45.3	44.7	44.0	43.3	42.6	41.9	41.1	40.3	39.4
58.75°	48.0	47.6	47.1	46.7	46.2	45.7	45.1	44.3	43.5	42.6	41.8
57.5°	49.8	49.4	48.9	48.4	47.9	47.4	46.8	46.3	45.7	44.9	44.0
56.25°	51.7	51.2	50.7	50.2	49.7	49.1	48.5	47.9	47.3	46.7	46.0
55°	53.5	53.0	52.5	52.0	51.4	50.8	50.2	49.6	49.0	48.3	47.6
53.75°	55.4	54.8	54.3	53.7	53.1	52.5	51.9	51.3	50.6	49.9	49.2
52.5°	57.2	56.7	56.1	55.5	54.9	54.3	53.6	52.9	52.2	51.5	50.7
51.25°	58.4	58.1	57.7	57.3	56.7	56.0	55.3	54.6	53.8	53.1	52.3
50°	59.5	59.1	58.8	58.4	58.0	57.6	57.0	56.3	55.5	54.7	53.8
48.75°	60.1	59.9	59.8	59.4	59.0	58.6	58.2	57.7	57.1	56.3	55.4
47.5°	60.4	60.3	60.2	60.0	59.9	59.6	59.1	58.7	58.2	57.7	57.0
46.25°	60.9	60.7	60.5	60.4	60.2	60.1	59.9	59.6	59.1	58.6	58.0
45°	61.7	61.4	61.1	60.8	60.6	60.4	60.2	60.1	59.9	59.5	58.9
43.75°	62.3	62.1	61.8	61.5	61.2	60.8	60.6	60.4	60.2	60.0	59.8
42.5°	62.6	62.5	62.3	62.2	61.8	61.5	61.1	60.8	60.5	60.3	60.1
41.25°	63.0	62.8	62.7	62.5	62.3	62.1	61.8	61.4	61.0	60.6	60.4
40°	63.7	63.4	63.0	62.8	62.7	62.5	62.3	62.0	61.6	61.2	60.8
38.75°	64.4	64.1	63.7	63.4	63.0	62.8	62.6	62.4	62.2	61.8	61.3
37.5°	65.1	64.8	64.5	64.1	63.7	63.2	62.9	62.7	62.5	62.3	61.9
36.25°	65.8	65.5	65.1	64.7	64.3	63.9	63.5	63.0	62.8	62.5	62.3
35°	66.7	66.2	65.8	65.4	65.0	64.6	64.1	63.6	63.1	62.8	62.6



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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°	68.1	67.3	66.5	66.0	65.6	65.2	64.7	64.2	63.7	63.2	62.8
32.5°	69.4	68.6	67.8	67.0	66.2	65.8	65.3	64.8	64.3	63.8	63.2
31.25°	72.6	70.6	69.1	68.2	67.3	66.4	65.9	65.4	64.9	64.3	63.8
30°	75.9	73.8	71.6	69.4	68.5	67.5	66.5	65.9	65.4	64.9	64.3
28.75°	82.0	76.9	74.7	72.3	69.9	68.7	67.6	66.6	65.9	65.4	64.8
27.5°	91.3	84.7	77.9	75.3	72.8	70.2	68.7	67.6	66.5	65.9	65.3
26.25°	100.4	93.6	86.5	79.3	75.6	72.9	70.2	68.7	67.5	66.4	65.8
25°	110.0	102.4	95.0	87.5	79.7	75.6	72.8	69.9	68.5	67.3	66.2
23.75°	119.4	111.5	103.4	95.5	87.5	79.3	75.3	72.3	69.4	68.2	67.0
22.5°	129.3	120.4	112.0	103.4	95.0	86.5	77.9	74.7	71.6	69.1	67.8
21.25°	143.6	130.0	120.4	111.5	102.4	93.6	84.7	76.9	73.8	70.6	68.6
20°	172.9	143.6	129.3	119.4	110.0	100.4	91.3	82.0	75.9	72.6	69.4
18.75°	233.4	170.6	139.9	127.2	117.2	107.4	97.6	88.1	78.5	74.5	71.1
17.5°	308.9	224.8	164.8	136.5	124.2	114.1	103.8	93.8	84.0	76.4	72.9
16.25°	392.7	291.0	207.8	155.3	132.2	120.4	109.9	99.3	89.3	79.1	74.6
15°	478.8	363.8	261.3	182.5	142.2	126.5	115.6	104.7	94.2	83.9	76.2
13.75°	562.4	441.0	324.2	226.7	161.7	133.8	121.0	109.9	98.8	88.3	77.7
12.5°	642.4	515.3	390.1	276.5	188.7	142.9	126.1	114.7	103.3	92.4	81.6
11.25°	715.5	585.0	453.9	328.3	225.0	158.9	132.0	119.1	107.5	96.1	85.2
10°	778.9	649.9	514.2	381.3	263.1	174.8	137.3	123.1	111.3	99.5	88.4
8.75°	832.7	707.6	568.5	431.1	303.4	203.0	147.1	126.8	114.7	102.7	91.3
7.5°	877.0	755.6	617.3	475.7	338.8	227.8	158.0	130.9	117.7	105.5	93.9
6.25°	914.1	796.8	659.4	514.6	374.0	250.7	167.3	134.3	120.2	108.0	96.0
5°	942.0	828.3	694.3	546.9	403.5	274.5	178.2	137.1	122.3	110.0	97.8
3.75°	963.9	851.8	719.9	572.3	426.6	293.2	191.3	139.9	124.0	111.5	99.2
2.5°	979.8	868.8	738.2	590.8	443.3	306.7	200.6	144.0	125.2	112.6	100.2
1.25°	989.4	879.0	749.3	602.1	453.3	314.7	206.3	146.5	125.9	113.3	100.8
0°	992.6	882.5	753.0	605.8	456.7	317.5	208.2	147.3	126.1	113.6	101.0
-1.25°	989.4	879.0	749.3	602.1	453.3	314.7	206.3	146.5	125.9	113.3	100.8
-2.5°	979.8	868.8	738.2	590.8	443.3	306.7	200.6	144.0	125.2	112.6	100.2
-3.75°	963.9	851.8	719.9	572.3	426.6	293.2	191.3	139.9	124.0	111.5	99.2
-5°	942.0	828.3	694.3	546.9	403.5	274.5	178.2	137.1	122.3	110.0	97.8
-6.25°	914.1	796.8	659.4	514.6	374.0	250.7	167.3	134.3	120.2	108.0	96.0
-7.5°	877.0	755.6	617.3	475.7	338.8	227.8	158.0	130.9	117.7	105.5	93.9
-8.75°	832.7	707.6	568.5	431.1	303.4	203.0	147.1	126.8	114.7	102.7	91.3
-10°	778.9	649.9	514.2	381.3	263.1	174.8	137.3	123.1	111.3	99.5	88.4
-11.25°	715.5	585.0	453.9	328.3	225.0	158.9	132.0	119.1	107.5	96.1	85.2
-12.5°	642.4	515.3	390.1	276.5	188.7	142.9	126.1	114.7	103.3	92.4	81.6
-13.75°	562.4	441.0	324.2	226.7	161.7	133.8	121.0	109.9	98.8	88.3	77.7
-15°	478.8	363.8	261.3	182.5	142.2	126.5	115.6	104.7	94.2	83.9	76.2
-16.25°	392.7	291.0	207.8	155.3	132.2	120.4	109.9	99.3	89.3	79.1	74.6
-17.5°	308.9	224.8	164.8	136.5	124.2	114.1	103.8	93.8	84.0	76.4	72.9
-18.75°	233.4	170.6	139.9	127.2	117.2	107.4	97.6	88.1	78.5	74.5	71.1
-20°	172.9	143.6	129.3	119.4	110.0	100.4	91.3	82.0	75.9	72.6	69.4
-21.25°	143.6	130.0	120.4	111.5	102.4	93.6	84.7	76.9	73.8	70.6	68.6





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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	129.3	120.4	112.0	103.4	95.0	86.5	77.9	74.7	71.6	69.1	67.8
-23.75°	119.4	111.5	103.4	95.5	87.5	79.3	75.3	72.3	69.4	68.2	67.0
-25°	110.0	102.4	95.0	87.5	79.7	75.6	72.8	69.9	68.5	67.3	66.2
-26.25°	100.4	93.6	86.5	79.3	75.6	72.9	70.2	68.7	67.5	66.4	65.8
-27.5°	91.3	84.7	77.9	75.3	72.8	70.2	68.7	67.6	66.5	65.9	65.3
-28.75°	82.0	76.9	74.7	72.3	69.9	68.7	67.6	66.6	65.9	65.4	64.8
-30°	75.9	73.8	71.6	69.4	68.5	67.5	66.5	65.9	65.4	64.9	64.3
-31.25°	72.6	70.6	69.1	68.2	67.3	66.4	65.9	65.4	64.9	64.3	63.8
-32.5°	69.4	68.6	67.8	67.0	66.2	65.8	65.3	64.8	64.3	63.8	63.2
-33.75°	68.1	67.3	66.5	66.0	65.6	65.2	64.7	64.2	63.7	63.2	62.8
-35°	66.7	66.2	65.8	65.4	65.0	64.6	64.1	63.6	63.1	62.8	62.6
-36.25°	65.8	65.5	65.1	64.7	64.3	63.9	63.5	63.0	62.8	62.5	62.3
-37.5°	65.1	64.8	64.5	64.1	63.7	63.2	62.9	62.7	62.5	62.3	61.9
-38.75°	64.4	64.1	63.7	63.4	63.0	62.8	62.6	62.4	62.2	61.8	61.3
-40°	63.7	63.4	63.0	62.8	62.7	62.5	62.3	62.0	61.6	61.2	60.8
-41.25°	63.0	62.8	62.7	62.5	62.3	62.1	61.8	61.4	61.0	60.6	60.4
-42.5°	62.6	62.5	62.3	62.2	61.8	61.5	61.1	60.8	60.5	60.3	60.1
-43.75°	62.3	62.1	61.8	61.5	61.2	60.8	60.6	60.4	60.2	60.0	59.8
-45°	61.7	61.4	61.1	60.8	60.6	60.4	60.2	60.1	59.9	59.5	58.9
-46.25°	60.9	60.7	60.5	60.4	60.2	60.1	59.9	59.6	59.1	58.6	58.0
-47.5°	60.4	60.3	60.2	60.0	59.9	59.6	59.1	58.7	58.2	57.7	57.0
-48.75°	60.1	59.9	59.8	59.4	59.0	58.6	58.2	57.7	57.1	56.3	55.4
-50°	59.5	59.1	58.8	58.4	58.0	57.6	57.0	56.3	55.5	54.7	53.8
-51.25°	58.4	58.1	57.7	57.3	56.7	56.0	55.3	54.6	53.8	53.1	52.3
-52.5°	57.2	56.7	56.1	55.5	54.9	54.3	53.6	52.9	52.2	51.5	50.7
-53.75°	55.4	54.8	54.3	53.7	53.1	52.5	51.9	51.3	50.6	49.9	49.2
-55°	53.5	53.0	52.5	52.0	51.4	50.8	50.2	49.6	49.0	48.3	47.6
-56.25°	51.7	51.2	50.7	50.2	49.7	49.1	48.5	47.9	47.3	46.7	46.0
-57.5°	49.8	49.4	48.9	48.4	47.9	47.4	46.8	46.3	45.7	44.9	44.0
-58.75°	48.0	47.6	47.1	46.7	46.2	45.7	45.1	44.3	43.5	42.6	41.8
-60°	46.1	45.7	45.3	44.7	44.0	43.3	42.6	41.9	41.1	40.3	39.4
-61.25°	43.9	43.3	42.8	42.2	41.5	40.9	40.2	39.4	38.5	37.5	36.5
-62.5°	41.2	40.7	40.2	39.6	38.8	38.0	37.2	36.3	35.4	34.5	33.5
-63.75°	38.3	37.7	37.0	36.3	35.6	34.8	34.0	33.2	32.4	31.7	31.0
-65°	34.9	34.3	33.7	33.1	32.4	31.8	31.2	30.6	30.0	29.3	28.7
-66.25°	31.7	31.3	30.8	30.4	29.9	29.3	28.8	28.2	27.6	27.0	26.4
-67.5°	29.1	28.7	28.3	27.8	27.4	26.9	26.3	25.8	25.2	24.6	24.0
-68.75°	26.5	26.1	25.7	25.3	24.8	24.3	23.9	23.3	22.8	22.3	21.7
-70°	23.8	23.5	23.1	22.7	22.3	21.8	21.4	20.9	20.7	20.4	20.1
-71.25°	21.2	20.9	20.7	20.5	20.3	20.0	19.8	19.6	19.3	19.0	18.7
-72.5°	19.6	19.4	19.2	19.0	18.8	18.6	18.4	18.2	17.9	17.7	17.6
-73.75°	18.1	18.0	17.8	17.7	17.6	17.5	17.4	17.3	17.2	17.1	16.9
-75°	17.2	17.1	17.1	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3
-76.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3
-77.5°	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.6	14.5	14.4	14.2



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
-78.75°	14.3	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.3	13.1	12.9
-80°	12.7	12.6	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.4	11.2
-81.25°	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.8	9.7	9.5
-82.5°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2
-83.75°	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
-85°	6.1	6.1	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5
-86.25°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1
-87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
-88.75°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
-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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
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°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
86.25°	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3
85°	5.4	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5
83.75°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
82.5°	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7
81.25°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
80°	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.3	9.1	8.9
78.75°	12.6	12.4	12.2	11.9	11.7	11.5	11.2	10.9	10.7	10.4	10.1
77.5°	14.1	13.9	13.8	13.5	13.2	13.0	12.7	12.4	12.1	11.8	11.5
76.25°	15.1	14.9	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.2	12.8
75°	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0
73.75°	16.8	16.7	16.5	16.4	16.3	16.1	15.8	15.6	15.4	15.1	14.9
72.5°	17.5	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.2	16.0	15.7
71.25°	18.4	18.1	17.8	17.7	17.5	17.3	17.2	17.0	16.8	16.6	16.4
70°	19.7	19.4	19.1	18.8	18.4	18.0	17.7	17.5	17.4	17.2	17.0
68.75°	21.1	20.7	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.7	17.5
67.5°	23.4	22.8	22.1	21.4	20.8	20.4	20.0	19.6	19.1	18.7	18.2
66.25°	25.7	25.0	24.3	23.6	22.8	22.1	21.3	20.7	20.2	19.8	19.3
65°	28.0	27.3	26.5	25.8	25.0	24.2	23.3	22.5	21.6	20.9	20.4
63.75°	30.2	29.5	28.7	27.9	27.1	26.3	25.4	24.5	23.6	22.7	21.7
62.5°	32.5	31.7	30.9	30.0	29.2	28.3	27.4	26.5	25.5	24.5	23.6
61.25°	35.4	34.4	33.2	32.1	31.3	30.3	29.4	28.4	27.4	26.4	25.4
60°	38.3	37.2	36.0	34.8	33.6	32.4	31.4	30.4	29.3	28.3	27.2
58.75°	40.9	39.9	38.8	37.6	36.3	35.0	33.6	32.3	31.2	30.1	29.0
57.5°	43.1	42.1	41.1	40.1	38.9	37.6	36.2	34.7	33.3	31.9	30.8
56.25°	45.3	44.3	43.3	42.2	41.1	40.0	38.7	37.2	35.7	34.1	32.6
55°	46.9	46.1	45.4	44.3	43.2	42.0	40.8	39.6	38.1	36.5	34.8
53.75°	48.4	47.7	46.9	46.1	45.2	44.0	42.8	41.5	40.3	38.8	37.1
52.5°	50.0	49.2	48.3	47.5	46.7	45.8	44.7	43.4	42.1	40.7	39.3
51.25°	51.5	50.7	49.8	48.9	48.1	47.1	46.2	45.3	43.9	42.5	41.1
50°	53.0	52.1	51.3	50.4	49.4	48.5	47.5	46.6	45.6	44.2	42.8
48.75°	54.5	53.6	52.7	51.8	50.8	49.8	48.8	47.8	46.8	45.8	44.4
47.5°	56.0	55.1	54.1	53.2	52.2	51.2	50.1	49.1	48.0	47.0	45.9
46.25°	57.5	56.6	55.6	54.6	53.5	52.5	51.4	50.3	49.2	48.1	47.0
45°	58.4	57.8	57.0	56.0	54.9	53.8	52.7	51.6	50.4	49.3	48.1
43.75°	59.2	58.6	58.0	57.3	56.2	55.1	53.9	52.8	51.6	50.4	49.2
42.5°	59.9	59.5	58.8	58.2	57.5	56.4	55.2	54.0	52.8	51.6	50.3
41.25°	60.2	60.0	59.6	59.0	58.3	57.6	56.4	55.2	53.9	52.7	51.4
40°	60.5	60.2	60.0	59.7	59.0	58.3	57.6	56.4	55.1	53.8	52.5
38.75°	60.9	60.5	60.3	60.0	59.8	59.0	58.3	57.5	56.2	54.9	53.5
37.5°	61.4	60.9	60.5	60.3	60.0	59.7	59.0	58.2	57.3	56.0	54.6
36.25°	61.9	61.5	61.0	60.5	60.3	60.0	59.6	58.8	58.0	57.0	55.6
35°	62.3	62.0	61.5	60.9	60.5	60.2	60.0	59.5	58.6	57.8	56.6



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**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	62.6	62.3	61.9	61.4	60.9	60.5	60.2	59.9	59.2	58.4	57.5
32.5°	62.8	62.6	62.3	61.9	61.3	60.8	60.4	60.1	59.8	58.9	58.0
31.25°	63.2	62.8	62.5	62.3	61.8	61.2	60.6	60.3	60.0	59.5	58.6
30°	63.7	63.1	62.8	62.5	62.2	61.6	61.0	60.5	60.2	59.9	59.1
28.75°	64.2	63.6	63.0	62.7	62.4	62.0	61.4	60.8	60.4	60.1	59.6
27.5°	64.7	64.1	63.5	62.9	62.6	62.3	61.8	61.1	60.6	60.2	59.9
26.25°	65.2	64.6	63.9	63.2	62.8	62.5	62.1	61.5	60.8	60.4	60.1
25°	65.6	65.0	64.3	63.7	63.0	62.7	62.3	61.8	61.2	60.6	60.2
23.75°	66.0	65.4	64.7	64.1	63.4	62.8	62.5	62.2	61.5	60.8	60.4
22.5°	66.5	65.8	65.1	64.5	63.7	63.0	62.7	62.3	61.8	61.1	60.5
21.25°	67.3	66.2	65.5	64.8	64.1	63.4	62.8	62.5	62.1	61.4	60.7
20°	68.1	66.7	65.8	65.1	64.4	63.7	63.0	62.6	62.3	61.7	60.9
18.75°	68.8	67.4	66.2	65.5	64.8	64.0	63.3	62.8	62.4	61.9	61.2
17.5°	69.5	68.1	66.7	65.8	65.1	64.3	63.6	62.9	62.5	62.1	61.4
16.25°	71.0	68.7	67.2	66.1	65.3	64.6	63.8	63.0	62.7	62.3	61.6
15°	72.5	69.2	67.8	66.3	65.6	64.8	64.1	63.3	62.8	62.4	61.8
13.75°	73.9	70.2	68.3	66.8	65.8	65.1	64.3	63.5	62.9	62.5	62.0
12.5°	75.2	71.5	68.8	67.3	66.0	65.3	64.5	63.7	63.0	62.6	62.2
11.25°	76.4	72.6	69.2	67.7	66.2	65.5	64.7	63.9	63.1	62.7	62.3
10°	77.5	73.6	69.8	68.1	66.5	65.6	64.9	64.1	63.2	62.7	62.3
8.75°	80.1	74.6	70.6	68.4	66.8	65.8	65.0	64.2	63.4	62.8	62.4
7.5°	82.5	75.4	71.4	68.7	67.1	65.9	65.1	64.3	63.5	62.8	62.5
6.25°	84.6	76.0	72.1	68.9	67.4	66.0	65.3	64.4	63.6	62.9	62.5
5°	86.3	76.6	72.6	69.1	67.6	66.1	65.3	64.5	63.7	62.9	62.5
3.75°	87.6	77.0	73.0	69.3	67.7	66.2	65.4	64.6	63.8	63.0	62.6
2.5°	88.5	77.3	73.3	69.4	67.8	66.3	65.5	64.7	63.8	63.0	62.6
1.25°	89.1	77.5	73.5	69.5	67.9	66.3	65.5	64.7	63.8	63.0	62.6
0°	89.3	77.6	73.6	69.5	67.9	66.3	65.5	64.7	63.9	63.0	62.6
-1.25°	89.1	77.5	73.5	69.5	67.9	66.3	65.5	64.7	63.8	63.0	62.6
-2.5°	88.5	77.3	73.3	69.4	67.8	66.3	65.5	64.7	63.8	63.0	62.6
-3.75°	87.6	77.0	73.0	69.3	67.7	66.2	65.4	64.6	63.8	63.0	62.6
-5°	86.3	76.6	72.6	69.1	67.6	66.1	65.3	64.5	63.7	62.9	62.5
-6.25°	84.6	76.0	72.1	68.9	67.4	66.0	65.3	64.4	63.6	62.9	62.5
-7.5°	82.5	75.4	71.4	68.7	67.1	65.9	65.1	64.3	63.5	62.8	62.5
-8.75°	80.1	74.6	70.6	68.4	66.8	65.8	65.0	64.2	63.4	62.8	62.4
-10°	77.5	73.6	69.8	68.1	66.5	65.6	64.9	64.1	63.2	62.7	62.3
-11.25°	76.4	72.6	69.2	67.7	66.2	65.5	64.7	63.9	63.1	62.7	62.3
-12.5°	75.2	71.5	68.8	67.3	66.0	65.3	64.5	63.7	63.0	62.6	62.2
-13.75°	73.9	70.2	68.3	66.8	65.8	65.1	64.3	63.5	62.9	62.5	62.0
-15°	72.5	69.2	67.8	66.3	65.6	64.8	64.1	63.3	62.8	62.4	61.8
-16.25°	71.0	68.7	67.2	66.1	65.3	64.6	63.8	63.0	62.7	62.3	61.6
-17.5°	69.5	68.1	66.7	65.8	65.1	64.3	63.6	62.9	62.5	62.1	61.4
-18.75°	68.8	67.4	66.2	65.5	64.8	64.0	63.3	62.8	62.4	61.9	61.2
-20°	68.1	66.7	65.8	65.1	64.4	63.7	63.0	62.6	62.3	61.7	60.9
-21.25°	67.3	66.2	65.5	64.8	64.1	63.4	62.8	62.5	62.1	61.4	60.7



REPORT NUMBER: P220461 (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°	66.5	65.8	65.1	64.5	63.7	63.0	62.7	62.3	61.8	61.1	60.5
-23.75°	66.0	65.4	64.7	64.1	63.4	62.8	62.5	62.2	61.5	60.8	60.4
-25°	65.6	65.0	64.3	63.7	63.0	62.7	62.3	61.8	61.2	60.6	60.2
-26.25°	65.2	64.6	63.9	63.2	62.8	62.5	62.1	61.5	60.8	60.4	60.1
-27.5°	64.7	64.1	63.5	62.9	62.6	62.3	61.8	61.1	60.6	60.2	59.9
-28.75°	64.2	63.6	63.0	62.7	62.4	62.0	61.4	60.8	60.4	60.1	59.6
-30°	63.7	63.1	62.8	62.5	62.2	61.6	61.0	60.5	60.2	59.9	59.1
-31.25°	63.2	62.8	62.5	62.3	61.8	61.2	60.6	60.3	60.0	59.5	58.6
-32.5°	62.8	62.6	62.3	61.9	61.3	60.8	60.4	60.1	59.8	58.9	58.0
-33.75°	62.6	62.3	61.9	61.4	60.9	60.5	60.2	59.9	59.2	58.4	57.5
-35°	62.3	62.0	61.5	60.9	60.5	60.2	60.0	59.5	58.6	57.8	56.6
-36.25°	61.9	61.5	61.0	60.5	60.3	60.0	59.6	58.8	58.0	57.0	55.6
-37.5°	61.4	60.9	60.5	60.3	60.0	59.7	59.0	58.2	57.3	56.0	54.6
-38.75°	60.9	60.5	60.3	60.0	59.8	59.0	58.3	57.5	56.2	54.9	53.5
-40°	60.5	60.2	60.0	59.7	59.0	58.3	57.6	56.4	55.1	53.8	52.5
-41.25°	60.2	60.0	59.6	59.0	58.3	57.6	56.4	55.2	53.9	52.7	51.4
-42.5°	59.9	59.5	58.8	58.2	57.5	56.4	55.2	54.0	52.8	51.6	50.3
-43.75°	59.2	58.6	58.0	57.3	56.2	55.1	53.9	52.8	51.6	50.4	49.2
-45°	58.4	57.8	57.0	56.0	54.9	53.8	52.7	51.6	50.4	49.3	48.1
-46.25°	57.5	56.6	55.6	54.6	53.5	52.5	51.4	50.3	49.2	48.1	47.0
-47.5°	56.0	55.1	54.1	53.2	52.2	51.2	50.1	49.1	48.0	47.0	45.9
-48.75°	54.5	53.6	52.7	51.8	50.8	49.8	48.8	47.8	46.8	45.8	44.4
-50°	53.0	52.1	51.3	50.4	49.4	48.5	47.5	46.6	45.6	44.2	42.8
-51.25°	51.5	50.7	49.8	48.9	48.1	47.1	46.2	45.3	43.9	42.5	41.1
-52.5°	50.0	49.2	48.3	47.5	46.7	45.8	44.7	43.4	42.1	40.7	39.3
-53.75°	48.4	47.7	46.9	46.1	45.2	44.0	42.8	41.5	40.3	38.8	37.1
-55°	46.9	46.1	45.4	44.3	43.2	42.0	40.8	39.6	38.1	36.5	34.8
-56.25°	45.3	44.3	43.3	42.2	41.1	40.0	38.7	37.2	35.7	34.1	32.6
-57.5°	43.1	42.1	41.1	40.1	38.9	37.6	36.2	34.7	33.3	31.9	30.8
-58.75°	40.9	39.9	38.8	37.6	36.3	35.0	33.6	32.3	31.2	30.1	29.0
-60°	38.3	37.2	36.0	34.8	33.6	32.4	31.4	30.4	29.3	28.3	27.2
-61.25°	35.4	34.4	33.2	32.1	31.3	30.3	29.4	28.4	27.4	26.4	25.4
-62.5°	32.5	31.7	30.9	30.0	29.2	28.3	27.4	26.5	25.5	24.5	23.6
-63.75°	30.2	29.5	28.7	27.9	27.1	26.3	25.4	24.5	23.6	22.7	21.7
-65°	28.0	27.3	26.5	25.8	25.0	24.2	23.3	22.5	21.6	20.9	20.4
-66.25°	25.7	25.0	24.3	23.6	22.8	22.1	21.3	20.7	20.2	19.8	19.3
-67.5°	23.4	22.8	22.1	21.4	20.8	20.4	20.0	19.6	19.1	18.7	18.2
-68.75°	21.1	20.7	20.4	20.0	19.6	19.2	18.8	18.4	18.0	17.7	17.5
-70°	19.7	19.4	19.1	18.8	18.4	18.0	17.7	17.5	17.4	17.2	17.0
-71.25°	18.4	18.1	17.8	17.7	17.5	17.3	17.2	17.0	16.8	16.6	16.4
-72.5°	17.5	17.3	17.2	17.0	16.9	16.7	16.6	16.4	16.2	16.0	15.7
-73.75°	16.8	16.7	16.5	16.4	16.3	16.1	15.8	15.6	15.4	15.1	14.9
-75°	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0
-76.25°	15.1	14.9	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.2	12.8
-77.5°	14.1	13.9	13.8	13.5	13.2	13.0	12.7	12.4	12.1	11.8	11.5



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	12.6	12.4	12.2	11.9	11.7	11.5	11.2	10.9	10.7	10.4	10.1
-80°	11.0	10.8	10.6	10.4	10.2	9.9	9.7	9.5	9.3	9.1	8.9
-81.25°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
-82.5°	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7
-83.75°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
-85°	5.4	5.3	5.2	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5
-86.25°	4.0	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3
-87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
-88.75°	1.3	1.3	1.3	1.3	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



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
85°	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2
83.75°	5.5	5.3	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2	4.0
82.5°	6.6	6.4	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.8
81.25°	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7
80°	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.7	6.5
78.75°	9.8	9.6	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3
77.5°	11.2	10.8	10.5	10.2	9.8	9.5	9.2	8.9	8.6	8.4	8.1
76.25°	12.5	12.1	11.8	11.4	11.0	10.6	10.2	9.8	9.5	9.2	8.8
75°	13.8	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.0	9.6
73.75°	14.6	14.3	14.1	13.8	13.4	12.9	12.5	12.0	11.5	11.1	10.6
72.5°	15.4	15.1	14.8	14.5	14.2	13.9	13.6	13.1	12.6	12.1	11.5
71.25°	16.2	15.9	15.6	15.3	15.0	14.7	14.3	14.0	13.6	13.1	12.5
70°	16.8	16.5	16.3	16.1	15.7	15.4	15.0	14.7	14.3	13.9	13.5
68.75°	17.3	17.0	16.8	16.6	16.4	16.1	15.7	15.3	14.9	14.5	14.1
67.5°	17.8	17.6	17.3	17.1	16.8	16.6	16.3	16.0	15.6	15.2	14.7
66.25°	18.8	18.3	17.8	17.5	17.3	17.0	16.7	16.5	16.2	15.8	15.3
65°	19.8	19.3	18.8	18.2	17.7	17.5	17.2	16.9	16.6	16.3	15.9
63.75°	20.9	20.3	19.7	19.2	18.6	18.0	17.6	17.3	17.0	16.7	16.4
62.5°	22.5	21.5	20.7	20.1	19.5	18.9	18.3	17.7	17.4	17.1	16.7
61.25°	24.3	23.3	22.2	21.0	20.4	19.8	19.1	18.4	17.8	17.4	17.1
60°	26.1	25.0	23.8	22.7	21.5	20.6	19.9	19.2	18.5	17.8	17.5
58.75°	27.9	26.7	25.5	24.3	23.1	21.8	20.8	20.0	19.3	18.6	17.8
57.5°	29.6	28.4	27.2	25.9	24.6	23.3	22.0	20.8	20.1	19.3	18.5
56.25°	31.3	30.0	28.8	27.5	26.2	24.8	23.5	22.1	20.8	20.0	19.2
55°	33.2	31.7	30.4	29.0	27.7	26.3	24.9	23.5	22.0	20.8	19.9
53.75°	35.4	33.6	31.9	30.6	29.2	27.7	26.3	24.8	23.3	21.8	20.6
52.5°	37.5	35.7	33.9	32.1	30.6	29.2	27.7	26.2	24.6	23.1	21.5
51.25°	39.6	37.8	35.9	34.0	32.1	30.6	29.0	27.5	25.9	24.3	22.7
50°	41.3	39.8	37.9	35.9	33.9	31.9	30.4	28.8	27.2	25.5	23.8
48.75°	42.9	41.4	39.8	37.8	35.7	33.6	31.7	30.0	28.4	26.7	25.0
47.5°	44.5	42.9	41.3	39.6	37.5	35.4	33.2	31.3	29.6	27.9	26.1
46.25°	45.9	44.4	42.8	41.1	39.3	37.1	34.8	32.6	30.8	29.0	27.2
45°	47.0	45.8	44.2	42.5	40.7	38.8	36.5	34.1	31.9	30.1	28.3
43.75°	48.0	46.8	45.6	43.9	42.1	40.3	38.1	35.7	33.3	31.2	29.3
42.5°	49.1	47.8	46.6	45.3	43.4	41.5	39.6	37.2	34.7	32.3	30.4
41.25°	50.1	48.8	47.5	46.2	44.7	42.8	40.8	38.7	36.2	33.6	31.4
40°	51.2	49.8	48.5	47.1	45.8	44.0	42.0	40.0	37.6	35.0	32.4
38.75°	52.2	50.8	49.4	48.1	46.7	45.2	43.2	41.1	38.9	36.3	33.6
37.5°	53.2	51.8	50.4	48.9	47.5	46.1	44.3	42.2	40.1	37.6	34.8
36.25°	54.1	52.7	51.3	49.8	48.3	46.9	45.4	43.3	41.1	38.8	36.0
35°	55.1	53.6	52.1	50.7	49.2	47.7	46.1	44.3	42.1	39.9	37.2



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	56.0	54.5	53.0	51.5	50.0	48.4	46.9	45.3	43.1	40.9	38.3
32.5°	57.0	55.4	53.8	52.3	50.7	49.2	47.6	46.0	44.0	41.8	39.4
31.25°	57.7	56.3	54.7	53.1	51.5	49.9	48.3	46.7	44.9	42.6	40.3
30°	58.2	57.1	55.5	53.8	52.2	50.6	49.0	47.3	45.7	43.5	41.1
28.75°	58.7	57.7	56.3	54.6	52.9	51.3	49.6	47.9	46.3	44.3	41.9
27.5°	59.1	58.2	57.0	55.3	53.6	51.9	50.2	48.5	46.8	45.1	42.6
26.25°	59.6	58.6	57.6	56.0	54.3	52.5	50.8	49.1	47.4	45.7	43.3
25°	59.9	59.0	58.0	56.7	54.9	53.1	51.4	49.7	47.9	46.2	44.0
23.75°	60.0	59.4	58.4	57.3	55.5	53.7	52.0	50.2	48.4	46.7	44.7
22.5°	60.2	59.8	58.8	57.7	56.1	54.3	52.5	50.7	48.9	47.1	45.3
21.25°	60.3	59.9	59.1	58.1	56.7	54.8	53.0	51.2	49.4	47.6	45.7
20°	60.4	60.1	59.5	58.4	57.2	55.4	53.5	51.7	49.8	48.0	46.1
18.75°	60.5	60.2	59.8	58.7	57.6	55.8	54.0	52.1	50.2	48.4	46.5
17.5°	60.7	60.3	59.9	59.0	57.9	56.3	54.4	52.5	50.6	48.7	46.9
16.25°	60.9	60.4	60.0	59.3	58.1	56.7	54.8	52.9	51.0	49.1	47.2
15°	61.1	60.5	60.1	59.5	58.4	57.1	55.2	53.2	51.3	49.4	47.5
13.75°	61.2	60.5	60.2	59.7	58.6	57.5	55.5	53.6	51.6	49.7	47.8
12.5°	61.4	60.6	60.2	59.9	58.8	57.6	55.8	53.9	51.9	50.0	48.1
11.25°	61.6	60.8	60.3	59.9	59.0	57.8	56.1	54.1	52.2	50.2	48.3
10°	61.7	60.9	60.4	60.0	59.2	58.0	56.4	54.4	52.4	50.5	48.5
8.75°	61.8	61.0	60.4	60.0	59.3	58.1	56.6	54.6	52.6	50.7	48.7
7.5°	61.9	61.1	60.5	60.1	59.4	58.3	56.8	54.8	52.8	50.8	48.8
6.25°	62.0	61.2	60.5	60.1	59.5	58.4	57.0	55.0	53.0	51.0	49.0
5°	62.1	61.3	60.5	60.1	59.6	58.4	57.1	55.1	53.1	51.1	49.1
3.75°	62.1	61.3	60.6	60.2	59.7	58.5	57.3	55.2	53.2	51.2	49.2
2.5°	62.2	61.4	60.6	60.2	59.8	58.6	57.3	55.3	53.2	51.2	49.2
1.25°	62.2	61.4	60.6	60.2	59.8	58.6	57.4	55.3	53.3	51.3	49.3
0°	62.2	61.4	60.6	60.2	59.8	58.6	57.4	55.4	53.3	51.3	49.3
-1.25°	62.2	61.4	60.6	60.2	59.8	58.6	57.4	55.3	53.3	51.3	49.3
-2.5°	62.2	61.4	60.6	60.2	59.8	58.6	57.3	55.3	53.2	51.2	49.2
-3.75°	62.1	61.3	60.6	60.2	59.7	58.5	57.3	55.2	53.2	51.2	49.2
-5°	62.1	61.3	60.5	60.1	59.6	58.4	57.1	55.1	53.1	51.1	49.1
-6.25°	62.0	61.2	60.5	60.1	59.5	58.4	57.0	55.0	53.0	51.0	49.0
-7.5°	61.9	61.1	60.5	60.1	59.4	58.3	56.8	54.8	52.8	50.8	48.8
-8.75°	61.8	61.0	60.4	60.0	59.3	58.1	56.6	54.6	52.6	50.7	48.7
-10°	61.7	60.9	60.4	60.0	59.2	58.0	56.4	54.4	52.4	50.5	48.5
-11.25°	61.6	60.8	60.3	59.9	59.0	57.8	56.1	54.1	52.2	50.2	48.3
-12.5°	61.4	60.6	60.2	59.9	58.8	57.6	55.8	53.9	51.9	50.0	48.1
-13.75°	61.2	60.5	60.2	59.7	58.6	57.5	55.5	53.6	51.6	49.7	47.8
-15°	61.1	60.5	60.1	59.5	58.4	57.1	55.2	53.2	51.3	49.4	47.5
-16.25°	60.9	60.4	60.0	59.3	58.1	56.7	54.8	52.9	51.0	49.1	47.2
-17.5°	60.7	60.3	59.9	59.0	57.9	56.3	54.4	52.5	50.6	48.7	46.9
-18.75°	60.5	60.2	59.8	58.7	57.6	55.8	54.0	52.1	50.2	48.4	46.5
-20°	60.4	60.1	59.5	58.4	57.2	55.4	53.5	51.7	49.8	48.0	46.1
-21.25°	60.3	59.9	59.1	58.1	56.7	54.8	53.0	51.2	49.4	47.6	45.7





REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	60.2	59.8	58.8	57.7	56.1	54.3	52.5	50.7	48.9	47.1	45.3
-23.75°	60.0	59.4	58.4	57.3	55.5	53.7	52.0	50.2	48.4	46.7	44.7
-25°	59.9	59.0	58.0	56.7	54.9	53.1	51.4	49.7	47.9	46.2	44.0
-26.25°	59.6	58.6	57.6	56.0	54.3	52.5	50.8	49.1	47.4	45.7	43.3
-27.5°	59.1	58.2	57.0	55.3	53.6	51.9	50.2	48.5	46.8	45.1	42.6
-28.75°	58.7	57.7	56.3	54.6	52.9	51.3	49.6	47.9	46.3	44.3	41.9
-30°	58.2	57.1	55.5	53.8	52.2	50.6	49.0	47.3	45.7	43.5	41.1
-31.25°	57.7	56.3	54.7	53.1	51.5	49.9	48.3	46.7	44.9	42.6	40.3
-32.5°	57.0	55.4	53.8	52.3	50.7	49.2	47.6	46.0	44.0	41.8	39.4
-33.75°	56.0	54.5	53.0	51.5	50.0	48.4	46.9	45.3	43.1	40.9	38.3
-35°	55.1	53.6	52.1	50.7	49.2	47.7	46.1	44.3	42.1	39.9	37.2
-36.25°	54.1	52.7	51.3	49.8	48.3	46.9	45.4	43.3	41.1	38.8	36.0
-37.5°	53.2	51.8	50.4	48.9	47.5	46.1	44.3	42.2	40.1	37.6	34.8
-38.75°	52.2	50.8	49.4	48.1	46.7	45.2	43.2	41.1	38.9	36.3	33.6
-40°	51.2	49.8	48.5	47.1	45.8	44.0	42.0	40.0	37.6	35.0	32.4
-41.25°	50.1	48.8	47.5	46.2	44.7	42.8	40.8	38.7	36.2	33.6	31.4
-42.5°	49.1	47.8	46.6	45.3	43.4	41.5	39.6	37.2	34.7	32.3	30.4
-43.75°	48.0	46.8	45.6	43.9	42.1	40.3	38.1	35.7	33.3	31.2	29.3
-45°	47.0	45.8	44.2	42.5	40.7	38.8	36.5	34.1	31.9	30.1	28.3
-46.25°	45.9	44.4	42.8	41.1	39.3	37.1	34.8	32.6	30.8	29.0	27.2
-47.5°	44.5	42.9	41.3	39.6	37.5	35.4	33.2	31.3	29.6	27.9	26.1
-48.75°	42.9	41.4	39.8	37.8	35.7	33.6	31.7	30.0	28.4	26.7	25.0
-50°	41.3	39.8	37.9	35.9	33.9	31.9	30.4	28.8	27.2	25.5	23.8
-51.25°	39.6	37.8	35.9	34.0	32.1	30.6	29.0	27.5	25.9	24.3	22.7
-52.5°	37.5	35.7	33.9	32.1	30.6	29.2	27.7	26.2	24.6	23.1	21.5
-53.75°	35.4	33.6	31.9	30.6	29.2	27.7	26.3	24.8	23.3	21.8	20.6
-55°	33.2	31.7	30.4	29.0	27.7	26.3	24.9	23.5	22.0	20.8	19.9
-56.25°	31.3	30.0	28.8	27.5	26.2	24.8	23.5	22.1	20.8	20.0	19.2
-57.5°	29.6	28.4	27.2	25.9	24.6	23.3	22.0	20.8	20.1	19.3	18.5
-58.75°	27.9	26.7	25.5	24.3	23.1	21.8	20.8	20.0	19.3	18.6	17.8
-60°	26.1	25.0	23.8	22.7	21.5	20.6	19.9	19.2	18.5	17.8	17.5
-61.25°	24.3	23.3	22.2	21.0	20.4	19.8	19.1	18.4	17.8	17.4	17.1
-62.5°	22.5	21.5	20.7	20.1	19.5	18.9	18.3	17.7	17.4	17.1	16.7
-63.75°	20.9	20.3	19.7	19.2	18.6	18.0	17.6	17.3	17.0	16.7	16.4
-65°	19.8	19.3	18.8	18.2	17.7	17.5	17.2	16.9	16.6	16.3	15.9
-66.25°	18.8	18.3	17.8	17.5	17.3	17.0	16.7	16.5	16.2	15.8	15.3
-67.5°	17.8	17.6	17.3	17.1	16.8	16.6	16.3	16.0	15.6	15.2	14.7
-68.75°	17.3	17.0	16.8	16.6	16.4	16.1	15.7	15.3	14.9	14.5	14.1
-70°	16.8	16.5	16.3	16.1	15.7	15.4	15.0	14.7	14.3	13.9	13.5
-71.25°	16.2	15.9	15.6	15.3	15.0	14.7	14.3	14.0	13.6	13.1	12.5
-72.5°	15.4	15.1	14.8	14.5	14.2	13.9	13.6	13.1	12.6	12.1	11.5
-73.75°	14.6	14.3	14.1	13.8	13.4	12.9	12.5	12.0	11.5	11.1	10.6
-75°	13.8	13.4	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.0	9.6
-76.25°	12.5	12.1	11.8	11.4	11.0	10.6	10.2	9.8	9.5	9.2	8.8
-77.5°	11.2	10.8	10.5	10.2	9.8	9.5	9.2	8.9	8.6	8.4	8.1



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	9.8	9.6	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3
-80°	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.7	6.5
-81.25°	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7
-82.5°	6.6	6.4	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-83.75°	5.5	5.3	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2	4.0
-85°	4.4	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2
-86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
-87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-88.75°	1.1	1.1	1.0	1.0	1.0	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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
83.75°	3.9	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
82.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
81.25°	5.4	5.2	5.0	4.8	4.5	4.3	4.1	3.8	3.6	3.4	3.1
80°	6.2	6.0	5.7	5.5	5.2	4.9	4.7	4.4	4.1	3.9	3.6
78.75°	7.0	6.7	6.4	6.1	5.8	5.6	5.3	5.0	4.6	4.3	4.0
77.5°	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.5	5.2	4.8	4.5
76.25°	8.5	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.3	4.9
75°	9.3	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4
73.75°	10.1	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.7	6.3	5.8
72.5°	11.0	10.5	9.9	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.3
71.25°	11.9	11.4	10.8	10.2	9.6	9.1	8.7	8.2	7.7	7.2	6.7
70°	12.8	12.2	11.6	11.0	10.4	9.7	9.2	8.7	8.2	7.7	7.1
68.75°	13.7	13.1	12.5	11.8	11.1	10.5	9.8	9.2	8.7	8.1	7.6
67.5°	14.3	13.9	13.3	12.6	11.9	11.2	10.5	9.7	9.1	8.6	8.0
66.25°	14.9	14.4	14.0	13.4	12.6	11.9	11.1	10.4	9.6	9.0	8.4
65°	15.4	15.0	14.5	14.0	13.4	12.6	11.8	11.0	10.2	9.4	8.8
63.75°	16.0	15.5	15.0	14.5	14.0	13.3	12.5	11.6	10.8	9.9	9.2
62.5°	16.4	16.0	15.5	15.0	14.4	13.9	13.1	12.2	11.4	10.5	9.6
61.25°	16.8	16.4	16.0	15.4	14.9	14.3	13.7	12.8	11.9	11.0	10.1
60°	17.1	16.7	16.4	15.9	15.3	14.7	14.1	13.5	12.5	11.5	10.6
58.75°	17.4	17.1	16.7	16.3	15.8	15.2	14.5	13.9	13.1	12.1	11.1
57.5°	17.8	17.4	17.0	16.6	16.2	15.6	14.9	14.3	13.6	12.6	11.5
56.25°	18.4	17.7	17.3	16.9	16.5	16.0	15.3	14.7	14.0	13.1	12.0
55°	19.1	18.3	17.6	17.2	16.7	16.3	15.7	15.0	14.3	13.6	12.5
53.75°	19.8	18.9	18.0	17.5	17.0	16.6	16.1	15.4	14.7	13.9	12.9
52.5°	20.4	19.5	18.6	17.7	17.3	16.8	16.4	15.7	15.0	14.2	13.4
51.25°	21.0	20.1	19.2	18.2	17.5	17.1	16.6	16.1	15.3	14.5	13.8
50°	22.2	20.7	19.7	18.8	17.8	17.3	16.8	16.3	15.6	14.8	14.1
48.75°	23.3	21.5	20.3	19.3	18.3	17.6	17.0	16.5	15.9	15.1	14.3
47.5°	24.3	22.5	20.9	19.8	18.8	17.8	17.3	16.8	16.2	15.4	14.6
46.25°	25.4	23.6	21.7	20.4	19.3	18.2	17.5	17.0	16.4	15.7	14.9
45°	26.4	24.5	22.7	20.9	19.8	18.7	17.7	17.2	16.6	16.0	15.1
43.75°	27.4	25.5	23.6	21.6	20.2	19.1	18.0	17.4	16.8	16.2	15.4
42.5°	28.4	26.5	24.5	22.5	20.7	19.6	18.4	17.5	17.0	16.4	15.6
41.25°	29.4	27.4	25.4	23.3	21.3	20.0	18.8	17.7	17.2	16.6	15.8
40°	30.3	28.3	26.3	24.2	22.1	20.4	19.2	18.0	17.3	16.7	16.1
38.75°	31.3	29.2	27.1	25.0	22.8	20.8	19.6	18.4	17.5	16.9	16.3
37.5°	32.1	30.0	27.9	25.8	23.6	21.4	20.0	18.8	17.7	17.0	16.4
36.25°	33.2	30.9	28.7	26.5	24.3	22.1	20.4	19.1	17.8	17.2	16.5
35°	34.4	31.7	29.5	27.3	25.0	22.8	20.7	19.4	18.1	17.3	16.7



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	35.4	32.5	30.2	28.0	25.7	23.4	21.1	19.7	18.4	17.5	16.8
32.5°	36.5	33.5	31.0	28.7	26.4	24.0	21.7	20.1	18.7	17.6	16.9
31.25°	37.5	34.5	31.7	29.3	27.0	24.6	22.3	20.4	19.0	17.7	17.1
30°	38.5	35.4	32.4	30.0	27.6	25.2	22.8	20.7	19.3	17.9	17.2
28.75°	39.4	36.3	33.2	30.6	28.2	25.8	23.3	20.9	19.6	18.2	17.3
27.5°	40.2	37.2	34.0	31.2	28.8	26.3	23.9	21.4	19.8	18.4	17.4
26.25°	40.9	38.0	34.8	31.8	29.3	26.9	24.3	21.8	20.0	18.6	17.5
25°	41.5	38.8	35.6	32.4	29.9	27.4	24.8	22.3	20.3	18.8	17.6
23.75°	42.2	39.6	36.3	33.1	30.4	27.8	25.3	22.7	20.5	19.0	17.7
22.5°	42.8	40.2	37.0	33.7	30.8	28.3	25.7	23.1	20.7	19.2	17.8
21.25°	43.3	40.7	37.7	34.3	31.3	28.7	26.1	23.5	20.9	19.4	18.0
20°	43.9	41.2	38.3	34.9	31.7	29.1	26.5	23.8	21.2	19.6	18.1
18.75°	44.4	41.7	38.9	35.5	32.1	29.5	26.9	24.2	21.5	19.8	18.3
17.5°	44.9	42.2	39.5	36.0	32.6	29.8	27.2	24.5	21.8	19.9	18.4
16.25°	45.3	42.6	39.9	36.5	33.0	30.2	27.5	24.8	22.1	20.1	18.5
15°	45.6	43.0	40.3	37.0	33.4	30.5	27.8	25.1	22.3	20.2	18.7
13.75°	45.9	43.4	40.6	37.4	33.8	30.8	28.1	25.3	22.6	20.3	18.8
12.5°	46.1	43.7	40.9	37.8	34.2	31.0	28.3	25.6	22.8	20.5	18.9
11.25°	46.3	44.0	41.2	38.1	34.5	31.3	28.5	25.8	23.0	20.6	19.0
10°	46.5	44.3	41.5	38.4	34.8	31.5	28.7	26.0	23.2	20.6	19.1
8.75°	46.7	44.5	41.7	38.7	35.1	31.7	28.9	26.1	23.3	20.7	19.2
7.5°	46.9	44.7	41.9	38.9	35.3	31.8	29.1	26.3	23.5	20.8	19.2
6.25°	47.0	44.9	42.1	39.1	35.5	32.0	29.2	26.4	23.6	20.9	19.3
5°	47.1	45.0	42.2	39.3	35.7	32.1	29.3	26.5	23.7	20.9	19.3
3.75°	47.2	45.2	42.3	39.4	35.8	32.2	29.4	26.6	23.8	21.0	19.4
2.5°	47.3	45.2	42.4	39.5	35.9	32.2	29.5	26.7	23.8	21.0	19.4
1.25°	47.3	45.3	42.4	39.6	35.9	32.3	29.5	26.7	23.8	21.0	19.4
0°	47.3	45.3	42.5	39.6	36.0	32.3	29.5	26.7	23.9	21.0	19.4
-1.25°	47.3	45.3	42.4	39.6	35.9	32.3	29.5	26.7	23.8	21.0	19.4
-2.5°	47.3	45.2	42.4	39.5	35.9	32.2	29.5	26.7	23.8	21.0	19.4
-3.75°	47.2	45.2	42.3	39.4	35.8	32.2	29.4	26.6	23.8	21.0	19.4
-5°	47.1	45.0	42.2	39.3	35.7	32.1	29.3	26.5	23.7	20.9	19.3
-6.25°	47.0	44.9	42.1	39.1	35.5	32.0	29.2	26.4	23.6	20.9	19.3
-7.5°	46.9	44.7	41.9	38.9	35.3	31.8	29.1	26.3	23.5	20.8	19.2
-8.75°	46.7	44.5	41.7	38.7	35.1	31.7	28.9	26.1	23.3	20.7	19.2
-10°	46.5	44.3	41.5	38.4	34.8	31.5	28.7	26.0	23.2	20.6	19.1
-11.25°	46.3	44.0	41.2	38.1	34.5	31.3	28.5	25.8	23.0	20.6	19.0
-12.5°	46.1	43.7	40.9	37.8	34.2	31.0	28.3	25.6	22.8	20.5	18.9
-13.75°	45.9	43.4	40.6	37.4	33.8	30.8	28.1	25.3	22.6	20.3	18.8
-15°	45.6	43.0	40.3	37.0	33.4	30.5	27.8	25.1	22.3	20.2	18.7
-16.25°	45.3	42.6	39.9	36.5	33.0	30.2	27.5	24.8	22.1	20.1	18.5
-17.5°	44.9	42.2	39.5	36.0	32.6	29.8	27.2	24.5	21.8	19.9	18.4
-18.75°	44.4	41.7	38.9	35.5	32.1	29.5	26.9	24.2	21.5	19.8	18.3
-20°	43.9	41.2	38.3	34.9	31.7	29.1	26.5	23.8	21.2	19.6	18.1
-21.25°	43.3	40.7	37.7	34.3	31.3	28.7	26.1	23.5	20.9	19.4	18.0

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	42.8	40.2	37.0	33.7	30.8	28.3	25.7	23.1	20.7	19.2	17.8
-23.75°	42.2	39.6	36.3	33.1	30.4	27.8	25.3	22.7	20.5	19.0	17.7
-25°	41.5	38.8	35.6	32.4	29.9	27.4	24.8	22.3	20.3	18.8	17.6
-26.25°	40.9	38.0	34.8	31.8	29.3	26.9	24.3	21.8	20.0	18.6	17.5
-27.5°	40.2	37.2	34.0	31.2	28.8	26.3	23.9	21.4	19.8	18.4	17.4
-28.75°	39.4	36.3	33.2	30.6	28.2	25.8	23.3	20.9	19.6	18.2	17.3
-30°	38.5	35.4	32.4	30.0	27.6	25.2	22.8	20.7	19.3	17.9	17.2
-31.25°	37.5	34.5	31.7	29.3	27.0	24.6	22.3	20.4	19.0	17.7	17.1
-32.5°	36.5	33.5	31.0	28.7	26.4	24.0	21.7	20.1	18.7	17.6	16.9
-33.75°	35.4	32.5	30.2	28.0	25.7	23.4	21.1	19.7	18.4	17.5	16.8
-35°	34.4	31.7	29.5	27.3	25.0	22.8	20.7	19.4	18.1	17.3	16.7
-36.25°	33.2	30.9	28.7	26.5	24.3	22.1	20.4	19.1	17.8	17.2	16.5
-37.5°	32.1	30.0	27.9	25.8	23.6	21.4	20.0	18.8	17.7	17.0	16.4
-38.75°	31.3	29.2	27.1	25.0	22.8	20.8	19.6	18.4	17.5	16.9	16.3
-40°	30.3	28.3	26.3	24.2	22.1	20.4	19.2	18.0	17.3	16.7	16.1
-41.25°	29.4	27.4	25.4	23.3	21.3	20.0	18.8	17.7	17.2	16.6	15.8
-42.5°	28.4	26.5	24.5	22.5	20.7	19.6	18.4	17.5	17.0	16.4	15.6
-43.75°	27.4	25.5	23.6	21.6	20.2	19.1	18.0	17.4	16.8	16.2	15.4
-45°	26.4	24.5	22.7	20.9	19.8	18.7	17.7	17.2	16.6	16.0	15.1
-46.25°	25.4	23.6	21.7	20.4	19.3	18.2	17.5	17.0	16.4	15.7	14.9
-47.5°	24.3	22.5	20.9	19.8	18.8	17.8	17.3	16.8	16.2	15.4	14.6
-48.75°	23.3	21.5	20.3	19.3	18.3	17.6	17.0	16.5	15.9	15.1	14.3
-50°	22.2	20.7	19.7	18.8	17.8	17.3	16.8	16.3	15.6	14.8	14.1
-51.25°	21.0	20.1	19.2	18.2	17.5	17.1	16.6	16.1	15.3	14.5	13.8
-52.5°	20.4	19.5	18.6	17.7	17.3	16.8	16.4	15.7	15.0	14.2	13.4
-53.75°	19.8	18.9	18.0	17.5	17.0	16.6	16.1	15.4	14.7	13.9	12.9
-55°	19.1	18.3	17.6	17.2	16.7	16.3	15.7	15.0	14.3	13.6	12.5
-56.25°	18.4	17.7	17.3	16.9	16.5	16.0	15.3	14.7	14.0	13.1	12.0
-57.5°	17.8	17.4	17.0	16.6	16.2	15.6	14.9	14.3	13.6	12.6	11.5
-58.75°	17.4	17.1	16.7	16.3	15.8	15.2	14.5	13.9	13.1	12.1	11.1
-60°	17.1	16.7	16.4	15.9	15.3	14.7	14.1	13.5	12.5	11.5	10.6
-61.25°	16.8	16.4	16.0	15.4	14.9	14.3	13.7	12.8	11.9	11.0	10.1
-62.5°	16.4	16.0	15.5	15.0	14.4	13.9	13.1	12.2	11.4	10.5	9.6
-63.75°	16.0	15.5	15.0	14.5	14.0	13.3	12.5	11.6	10.8	9.9	9.2
-65°	15.4	15.0	14.5	14.0	13.4	12.6	11.8	11.0	10.2	9.4	8.8
-66.25°	14.9	14.4	14.0	13.4	12.6	11.9	11.1	10.4	9.6	9.0	8.4
-67.5°	14.3	13.9	13.3	12.6	11.9	11.2	10.5	9.7	9.1	8.6	8.0
-68.75°	13.7	13.1	12.5	11.8	11.1	10.5	9.8	9.2	8.7	8.1	7.6
-70°	12.8	12.2	11.6	11.0	10.4	9.7	9.2	8.7	8.2	7.7	7.1
-71.25°	11.9	11.4	10.8	10.2	9.6	9.1	8.7	8.2	7.7	7.2	6.7
-72.5°	11.0	10.5	9.9	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.3
-73.75°	10.1	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.7	6.3	5.8
-75°	9.3	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4
-76.25°	8.5	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.3	4.9
-77.5°	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.5	5.2	4.8	4.5



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**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	7.0	6.7	6.4	6.1	5.8	5.6	5.3	5.0	4.6	4.3	4.0
-80°	6.2	6.0	5.7	5.5	5.2	4.9	4.7	4.4	4.1	3.9	3.6
-81.25°	5.4	5.2	5.0	4.8	4.5	4.3	4.1	3.8	3.6	3.4	3.1
-82.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-83.75°	3.9	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
-86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-88.75°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
86.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
85°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
83.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
82.5°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
81.25°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
80°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
78.75°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
76.25°	4.6	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
75°	5.0	4.6	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
73.75°	5.4	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
72.5°	5.8	5.3	4.8	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.0
71.25°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
70°	6.6	6.1	5.5	5.0	4.4	3.8	3.3	2.7	2.2	1.6	1.1
68.75°	7.0	6.4	5.8	5.3	4.7	4.1	3.5	2.9	2.3	1.7	1.2
67.5°	7.4	6.8	6.2	5.6	4.9	4.3	3.7	3.1	2.4	1.8	1.2
66.25°	7.8	7.1	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3
65°	8.1	7.5	6.8	6.1	5.5	4.8	4.1	3.4	2.7	2.0	1.4
63.75°	8.5	7.8	7.1	6.4	5.7	5.0	4.3	3.5	2.8	2.1	1.4
62.5°	8.9	8.2	7.4	6.7	6.0	5.2	4.5	3.7	3.0	2.2	1.5
61.25°	9.3	8.5	7.7	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.5
60°	9.6	8.8	8.1	7.3	6.5	5.7	4.8	4.0	3.2	2.4	1.6
58.75°	10.0	9.2	8.4	7.5	6.7	5.9	5.0	4.2	3.3	2.5	1.7
57.5°	10.5	9.5	8.6	7.8	7.0	6.1	5.2	4.3	3.4	2.6	1.7
56.25°	10.9	9.8	8.9	8.1	7.2	6.3	5.4	4.5	3.6	2.7	1.8
55°	11.4	10.2	9.2	8.3	7.4	6.5	5.6	4.6	3.7	2.8	1.8
53.75°	11.8	10.6	9.5	8.6	7.6	6.7	5.7	4.8	3.8	2.8	1.9
52.5°	12.2	11.0	9.8	8.8	7.9	6.9	5.9	4.9	3.9	2.9	1.9
51.25°	12.6	11.4	10.2	9.1	8.1	7.1	6.1	5.1	4.0	3.0	2.0
50°	13.0	11.8	10.5	9.3	8.3	7.3	6.3	5.2	4.1	3.1	2.1
48.75°	13.4	12.1	10.8	9.6	8.5	7.5	6.4	5.3	4.2	3.2	2.1
47.5°	13.8	12.5	11.2	9.8	8.7	7.7	6.6	5.5	4.4	3.2	2.2
46.25°	14.0	12.8	11.5	10.1	8.9	7.8	6.7	5.6	4.5	3.3	2.2
45°	14.2	13.2	11.8	10.4	9.1	8.0	6.9	5.7	4.6	3.4	2.3
43.75°	14.5	13.5	12.1	10.7	9.3	8.2	7.0	5.9	4.7	3.5	2.3
42.5°	14.7	13.8	12.4	10.9	9.5	8.3	7.2	6.0	4.8	3.5	2.4
41.25°	14.9	14.0	12.7	11.2	9.7	8.5	7.3	6.1	4.9	3.6	2.4
40°	15.1	14.2	13.0	11.5	9.9	8.7	7.4	6.2	5.0	3.7	2.5
38.75°	15.3	14.4	13.2	11.7	10.2	8.8	7.6	6.3	5.0	3.8	2.5
37.5°	15.5	14.6	13.5	11.9	10.4	9.0	7.7	6.4	5.1	3.8	2.5
36.25°	15.7	14.8	13.8	12.2	10.6	9.1	7.8	6.5	5.2	3.9	2.6
35°	15.9	14.9	13.9	12.4	10.8	9.3	8.0	6.6	5.3	4.0	2.6



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	16.1	15.1	14.1	12.6	11.0	9.4	8.1	6.7	5.4	4.0	2.7
32.5°	16.3	15.3	14.2	12.9	11.2	9.5	8.2	6.8	5.5	4.1	2.7
31.25°	16.4	15.4	14.4	13.1	11.4	9.7	8.3	6.9	5.5	4.1	2.7
30°	16.5	15.6	14.5	13.3	11.5	9.8	8.4	7.0	5.6	4.2	2.8
28.75°	16.6	15.7	14.6	13.5	11.7	10.0	8.5	7.1	5.7	4.2	2.8
27.5°	16.7	15.9	14.8	13.6	11.9	10.1	8.6	7.2	5.8	4.3	2.8
26.25°	16.8	16.0	14.9	13.8	12.0	10.2	8.7	7.3	5.8	4.3	2.9
25°	16.9	16.1	15.0	13.9	12.2	10.4	8.8	7.3	5.9	4.4	2.9
23.75°	17.0	16.2	15.1	14.0	12.3	10.5	8.9	7.4	5.9	4.4	2.9
22.5°	17.1	16.3	15.2	14.1	12.5	10.6	9.0	7.5	6.0	4.5	3.0
21.25°	17.1	16.4	15.3	14.2	12.6	10.7	9.0	7.6	6.1	4.5	3.0
20°	17.2	16.5	15.4	14.3	12.7	10.8	9.1	7.6	6.1	4.6	3.0
18.75°	17.3	16.5	15.5	14.3	12.8	11.0	9.2	7.7	6.1	4.6	3.0
17.5°	17.3	16.6	15.6	14.4	13.0	11.0	9.3	7.7	6.2	4.6	3.1
16.25°	17.4	16.6	15.7	14.5	13.1	11.1	9.3	7.8	6.2	4.7	3.1
15°	17.5	16.7	15.8	14.6	13.1	11.2	9.4	7.8	6.3	4.7	3.1
13.75°	17.5	16.7	15.8	14.6	13.2	11.3	9.4	7.9	6.3	4.7	3.1
12.5°	17.6	16.8	15.9	14.7	13.3	11.4	9.5	7.9	6.3	4.7	3.1
11.25°	17.6	16.8	16.0	14.7	13.4	11.4	9.5	7.9	6.4	4.8	3.1
10°	17.7	16.9	16.0	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
8.75°	17.7	16.9	16.1	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
7.5°	17.7	16.9	16.1	14.9	13.6	11.6	9.6	8.0	6.4	4.8	3.2
6.25°	17.7	16.9	16.1	14.9	13.6	11.6	9.6	8.1	6.5	4.8	3.2
5°	17.8	17.0	16.2	14.9	13.6	11.6	9.7	8.1	6.5	4.8	3.2
3.75°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
2.5°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
1.25°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
0°	17.8	17.0	16.2	15.0	13.7	11.7	9.7	8.1	6.5	4.9	3.2
-1.25°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
-2.5°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
-3.75°	17.8	17.0	16.2	14.9	13.7	11.7	9.7	8.1	6.5	4.8	3.2
-5°	17.8	17.0	16.2	14.9	13.6	11.6	9.7	8.1	6.5	4.8	3.2
-6.25°	17.7	16.9	16.1	14.9	13.6	11.6	9.6	8.1	6.5	4.8	3.2
-7.5°	17.7	16.9	16.1	14.9	13.6	11.6	9.6	8.0	6.4	4.8	3.2
-8.75°	17.7	16.9	16.1	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
-10°	17.7	16.9	16.0	14.8	13.5	11.5	9.6	8.0	6.4	4.8	3.2
-11.25°	17.6	16.8	16.0	14.7	13.4	11.4	9.5	7.9	6.4	4.8	3.1
-12.5°	17.6	16.8	15.9	14.7	13.3	11.4	9.5	7.9	6.3	4.7	3.1
-13.75°	17.5	16.7	15.8	14.6	13.2	11.3	9.4	7.9	6.3	4.7	3.1
-15°	17.5	16.7	15.8	14.6	13.1	11.2	9.4	7.8	6.3	4.7	3.1
-16.25°	17.4	16.6	15.7	14.5	13.1	11.1	9.3	7.8	6.2	4.7	3.1
-17.5°	17.3	16.6	15.6	14.4	13.0	11.0	9.3	7.7	6.2	4.6	3.1
-18.75°	17.3	16.5	15.5	14.3	12.8	11.0	9.2	7.7	6.1	4.6	3.0
-20°	17.2	16.5	15.4	14.3	12.7	10.8	9.1	7.6	6.1	4.6	3.0
-21.25°	17.1	16.4	15.3	14.2	12.6	10.7	9.0	7.6	6.1	4.5	3.0





REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	17.1	16.3	15.2	14.1	12.5	10.6	9.0	7.5	6.0	4.5	3.0
-23.75°	17.0	16.2	15.1	14.0	12.3	10.5	8.9	7.4	5.9	4.4	2.9
-25°	16.9	16.1	15.0	13.9	12.2	10.4	8.8	7.3	5.9	4.4	2.9
-26.25°	16.8	16.0	14.9	13.8	12.0	10.2	8.7	7.3	5.8	4.3	2.9
-27.5°	16.7	15.9	14.8	13.6	11.9	10.1	8.6	7.2	5.8	4.3	2.8
-28.75°	16.6	15.7	14.6	13.5	11.7	10.0	8.5	7.1	5.7	4.2	2.8
-30°	16.5	15.6	14.5	13.3	11.5	9.8	8.4	7.0	5.6	4.2	2.8
-31.25°	16.4	15.4	14.4	13.1	11.4	9.7	8.3	6.9	5.5	4.1	2.7
-32.5°	16.3	15.3	14.2	12.9	11.2	9.5	8.2	6.8	5.5	4.1	2.7
-33.75°	16.1	15.1	14.1	12.6	11.0	9.4	8.1	6.7	5.4	4.0	2.7
-35°	15.9	14.9	13.9	12.4	10.8	9.3	8.0	6.6	5.3	4.0	2.6
-36.25°	15.7	14.8	13.8	12.2	10.6	9.1	7.8	6.5	5.2	3.9	2.6
-37.5°	15.5	14.6	13.5	11.9	10.4	9.0	7.7	6.4	5.1	3.8	2.5
-38.75°	15.3	14.4	13.2	11.7	10.2	8.8	7.6	6.3	5.0	3.8	2.5
-40°	15.1	14.2	13.0	11.5	9.9	8.7	7.4	6.2	5.0	3.7	2.5
-41.25°	14.9	14.0	12.7	11.2	9.7	8.5	7.3	6.1	4.9	3.6	2.4
-42.5°	14.7	13.8	12.4	10.9	9.5	8.3	7.2	6.0	4.8	3.5	2.4
-43.75°	14.5	13.5	12.1	10.7	9.3	8.2	7.0	5.9	4.7	3.5	2.3
-45°	14.2	13.2	11.8	10.4	9.1	8.0	6.9	5.7	4.6	3.4	2.3
-46.25°	14.0	12.8	11.5	10.1	8.9	7.8	6.7	5.6	4.5	3.3	2.2
-47.5°	13.8	12.5	11.2	9.8	8.7	7.7	6.6	5.5	4.4	3.2	2.2
-48.75°	13.4	12.1	10.8	9.6	8.5	7.5	6.4	5.3	4.2	3.2	2.1
-50°	13.0	11.8	10.5	9.3	8.3	7.3	6.3	5.2	4.1	3.1	2.1
-51.25°	12.6	11.4	10.2	9.1	8.1	7.1	6.1	5.1	4.0	3.0	2.0
-52.5°	12.2	11.0	9.8	8.8	7.9	6.9	5.9	4.9	3.9	2.9	1.9
-53.75°	11.8	10.6	9.5	8.6	7.6	6.7	5.7	4.8	3.8	2.8	1.9
-55°	11.4	10.2	9.2	8.3	7.4	6.5	5.6	4.6	3.7	2.8	1.8
-56.25°	10.9	9.8	8.9	8.1	7.2	6.3	5.4	4.5	3.6	2.7	1.8
-57.5°	10.5	9.5	8.6	7.8	7.0	6.1	5.2	4.3	3.4	2.6	1.7
-58.75°	10.0	9.2	8.4	7.5	6.7	5.9	5.0	4.2	3.3	2.5	1.7
-60°	9.6	8.8	8.1	7.3	6.5	5.7	4.8	4.0	3.2	2.4	1.6
-61.25°	9.3	8.5	7.7	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.5
-62.5°	8.9	8.2	7.4	6.7	6.0	5.2	4.5	3.7	3.0	2.2	1.5
-63.75°	8.5	7.8	7.1	6.4	5.7	5.0	4.3	3.5	2.8	2.1	1.4
-65°	8.1	7.5	6.8	6.1	5.5	4.8	4.1	3.4	2.7	2.0	1.4
-66.25°	7.8	7.1	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3
-67.5°	7.4	6.8	6.2	5.6	4.9	4.3	3.7	3.1	2.4	1.8	1.2
-68.75°	7.0	6.4	5.8	5.3	4.7	4.1	3.5	2.9	2.3	1.7	1.2
-70°	6.6	6.1	5.5	5.0	4.4	3.8	3.3	2.7	2.2	1.6	1.1
-71.25°	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
-72.5°	5.8	5.3	4.8	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.0
-73.75°	5.4	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
-75°	5.0	4.6	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-76.25°	4.6	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-80°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-81.25°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-82.5°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-83.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-85°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
-86.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-87.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-88.75°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	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: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	0.2	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.3	0.0
78.75°	0.3	0.0
77.5°	0.3	0.0
76.25°	0.4	0.0
75°	0.4	0.0
73.75°	0.4	0.0
72.5°	0.5	0.0
71.25°	0.5	0.0
70°	0.5	0.0
68.75°	0.6	0.0
67.5°	0.6	0.0
66.25°	0.6	0.0
65°	0.7	0.0
63.75°	0.7	0.0
62.5°	0.7	0.0
61.25°	0.8	0.0
60°	0.8	0.0
58.75°	0.8	0.0
57.5°	0.9	0.0
56.25°	0.9	0.0
55°	0.9	0.0
53.75°	0.9	0.0
52.5°	1.0	0.0
51.25°	1.0	0.0
50°	1.0	0.0
48.75°	1.1	0.0
47.5°	1.1	0.0
46.25°	1.1	0.0
45°	1.1	0.0
43.75°	1.2	0.0
42.5°	1.2	0.0
41.25°	1.2	0.0
40°	1.2	0.0
38.75°	1.2	0.0
37.5°	1.3	0.0
36.25°	1.3	0.0
35°	1.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	1.3	0.0
32.5°	1.3	0.0
31.25°	1.4	0.0
30°	1.4	0.0
28.75°	1.4	0.0
27.5°	1.4	0.0
26.25°	1.4	0.0
25°	1.5	0.0
23.75°	1.5	0.0
22.5°	1.5	0.0
21.25°	1.5	0.0
20°	1.5	0.0
18.75°	1.5	0.0
17.5°	1.5	0.0
16.25°	1.5	0.0
15°	1.5	0.0
13.75°	1.6	0.0
12.5°	1.6	0.0
11.25°	1.6	0.0
10°	1.6	0.0
8.75°	1.6	0.0
7.5°	1.6	0.0
6.25°	1.6	0.0
5°	1.6	0.0
3.75°	1.6	0.0
2.5°	1.6	0.0
1.25°	1.6	0.0
0°	1.6	0.0
-1.25°	1.6	0.0
-2.5°	1.6	0.0
-3.75°	1.6	0.0
-5°	1.6	0.0
-6.25°	1.6	0.0
-7.5°	1.6	0.0
-8.75°	1.6	0.0
-10°	1.6	0.0
-11.25°	1.6	0.0
-12.5°	1.6	0.0
-13.75°	1.6	0.0
-15°	1.5	0.0
-16.25°	1.5	0.0
-17.5°	1.5	0.0
-18.75°	1.5	0.0
-20°	1.5	0.0
-21.25°	1.5	0.0



REPORT NUMBER: P220461 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L2-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	1.5	0.0
-23.75°	1.5	0.0
-25°	1.5	0.0
-26.25°	1.4	0.0
-27.5°	1.4	0.0
-28.75°	1.4	0.0
-30°	1.4	0.0
-31.25°	1.4	0.0
-32.5°	1.3	0.0
-33.75°	1.3	0.0
-35°	1.3	0.0
-36.25°	1.3	0.0
-37.5°	1.3	0.0
-38.75°	1.2	0.0
-40°	1.2	0.0
-41.25°	1.2	0.0
-42.5°	1.2	0.0
-43.75°	1.2	0.0
-45°	1.1	0.0
-46.25°	1.1	0.0
-47.5°	1.1	0.0
-48.75°	1.1	0.0
-50°	1.0	0.0
-51.25°	1.0	0.0
-52.5°	1.0	0.0
-53.75°	0.9	0.0
-55°	0.9	0.0
-56.25°	0.9	0.0
-57.5°	0.9	0.0
-58.75°	0.8	0.0
-60°	0.8	0.0
-61.25°	0.8	0.0
-62.5°	0.7	0.0
-63.75°	0.7	0.0
-65°	0.7	0.0
-66.25°	0.6	0.0
-67.5°	0.6	0.0
-68.75°	0.6	0.0
-70°	0.5	0.0
-71.25°	0.5	0.0
-72.5°	0.5	0.0
-73.75°	0.4	0.0
-75°	0.4	0.0
-76.25°	0.4	0.0
-77.5°	0.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-78.75°	0.3	0.0
-80°	0.3	0.0
-81.25°	0.2	0.0
-82.5°	0.2	0.0
-83.75°	0.2	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)