

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: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

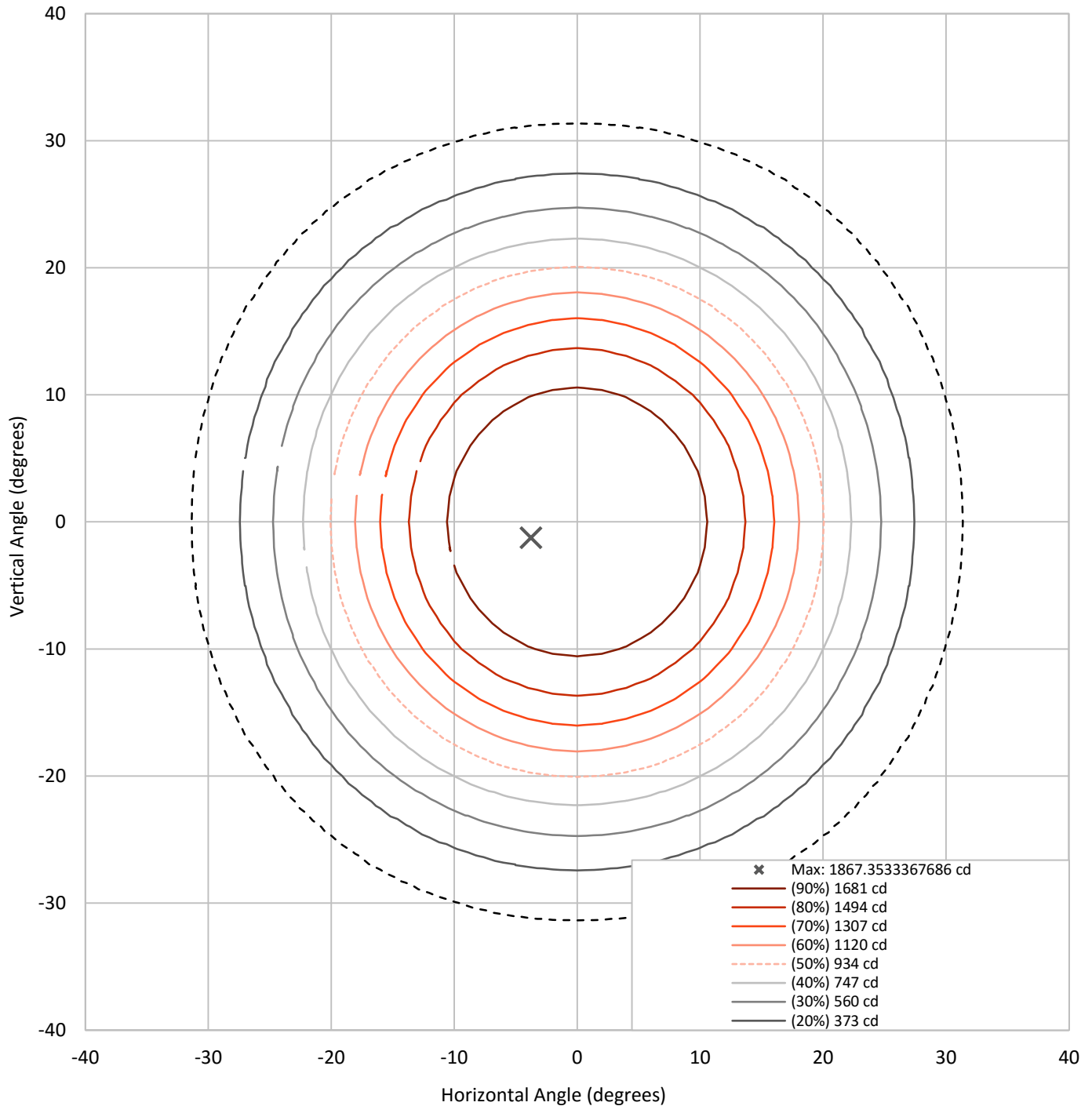
Test Method: LM-79-08  
Report Number: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,  
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:	903.3 lumens	Max Intensity:	1867.4 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	90.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.1°H x 39.5°V	Field Angle (10%):	62.7°H x 62.3°V
Beam Lumens:	550.4 lumens	Field Lumens:	810.2 lumens
Beam Efficiency:	60.9%	Field Efficiency:	89.7%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

### Iso-Candela Plot



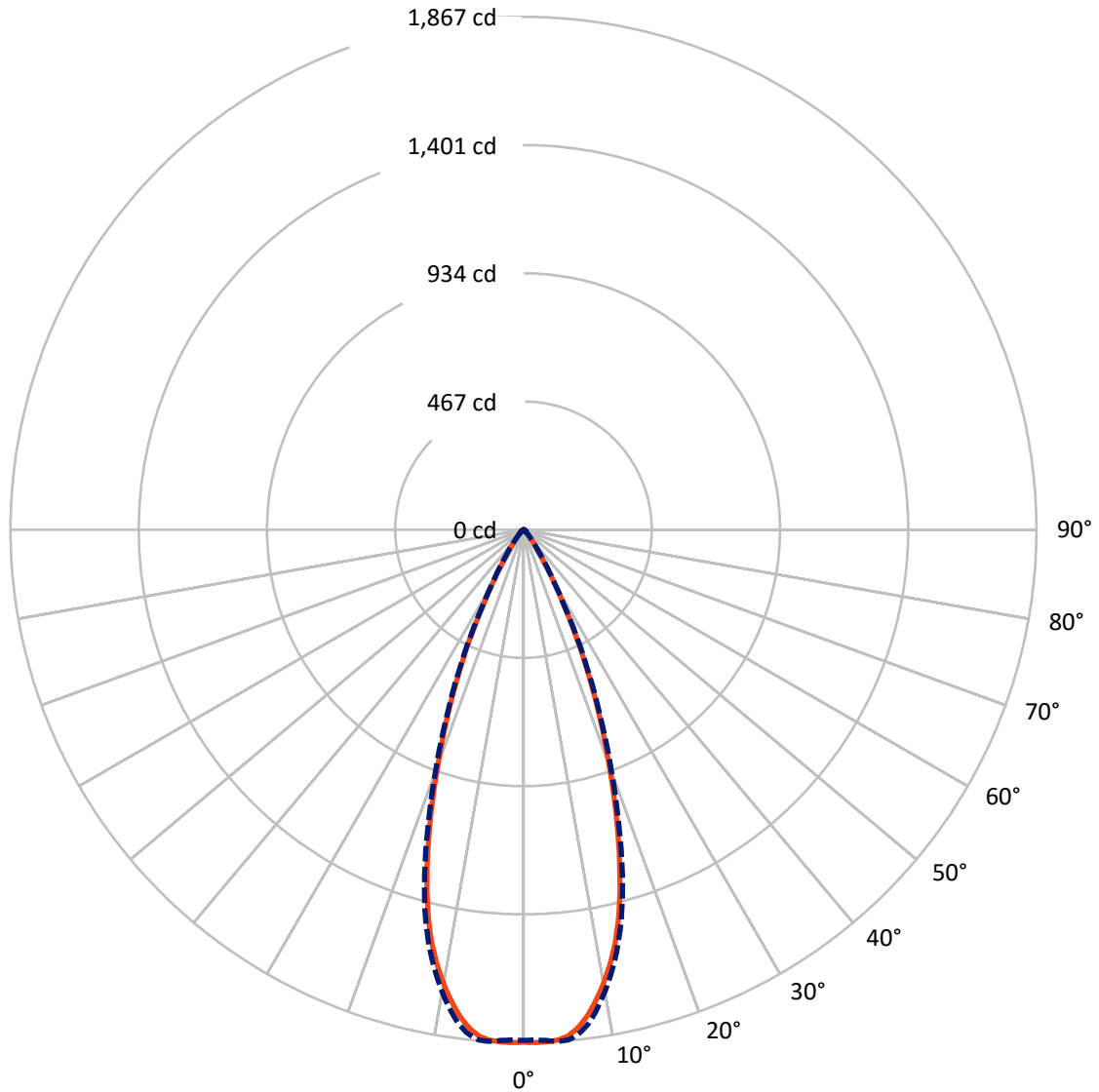
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### Lumen Table

90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
80	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0				
60		0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1		0.1			
50	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
40		0.1	0.1	0.2	0.4	0.9	2.0	3.2	3.2	2.0	0.9	0.4	0.2	0.1	0.1				
30	0.1	0.1	0.2	0.3	0.9	3.1	9.1	15.5	15.5	9.1	3.1	0.9	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.4	1.8	8.6	24.8	39.0	39.0	24.8	8.6	1.8	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.5	2.6	14.2	37.9	53.9	53.9	37.9	14.2	2.6	0.5	0.2	0.1	0.1			
0		0.1	0.2	0.5	2.6	14.2	37.9	53.9	53.9	37.9	14.2	2.6	0.5	0.2	0.1				
-10	0.1	0.1	0.2	0.5	2.6	14.2	37.9	53.9	53.9	37.9	14.2	2.6	0.5	0.2	0.1	0.1			
-20		0.1	0.2	0.4	1.8	8.6	24.8	39.0	39.0	24.8	8.6	1.8	0.4	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.9	3.1	9.1	15.5	15.5	9.1	3.1	0.9	0.3	0.2	0.1	0.1			
-40		0.1	0.1	0.2	0.4	0.9	2.0	3.2	3.2	2.0	0.9	0.4	0.2	0.1	0.1				
-50	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.7	0.7	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
-60		0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1				
-70	0.0	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0			
-80		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0				
-90	0.0	0.1	0.2	0.4	0.4	0.4	0.2	0.1	0.0										

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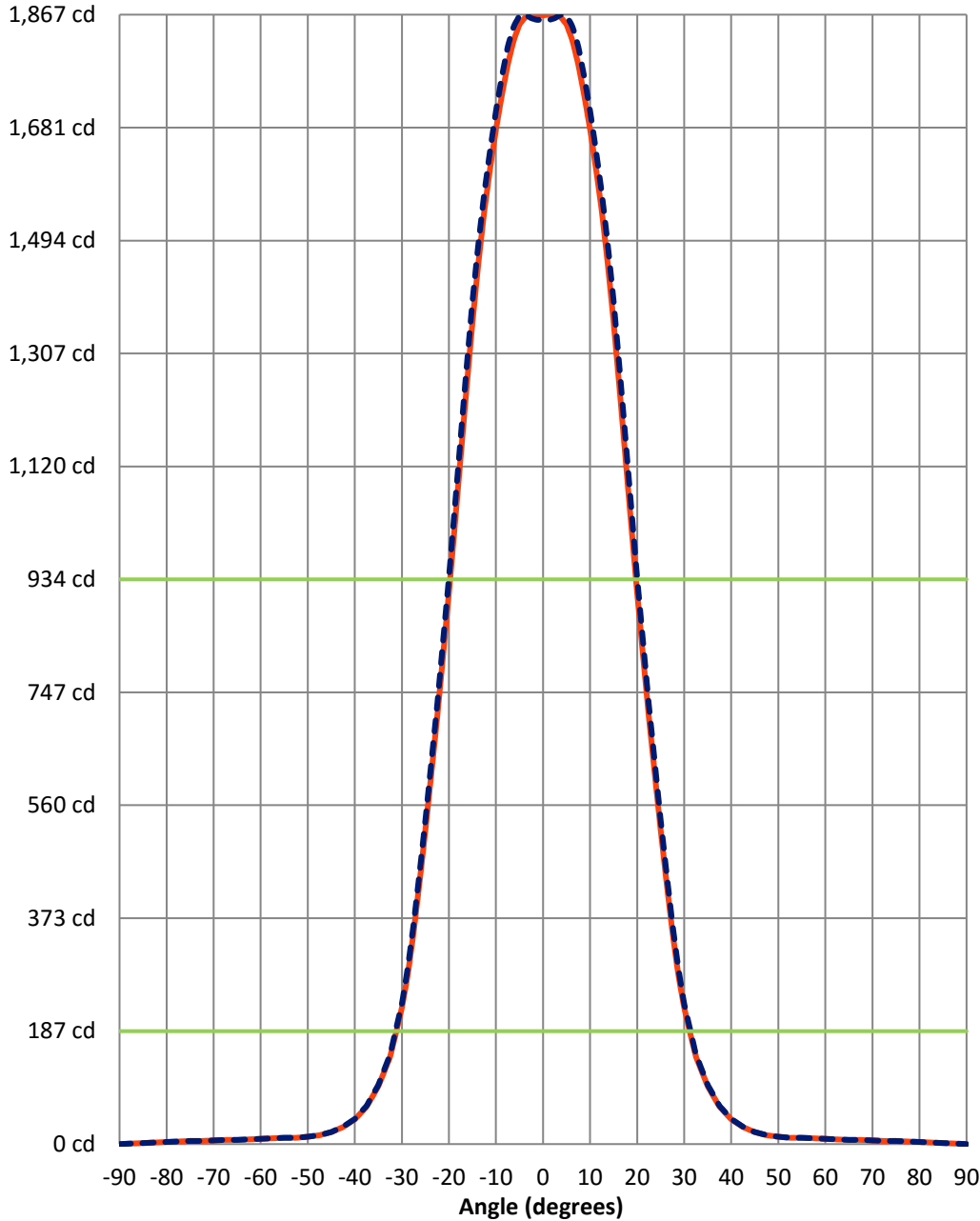
### Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg    - - - Horizontal Distribution Through -1.25-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 40.1°  
 V Angle: 39.5°  
 Lumens: 550.4  
 Efficiency: 60.9%

**Field:**  
 H Angle: 62.7°  
 V Angle: 62.3°  
 Lumens: 810.2  
 Efficiency: 89.7%

**Spill:**  
 Lumens: 93  
 Efficiency: 10.3%

— Vertical Distribution through -3.75-Deg  
 - - Horizontal Distribution through -1.25-Deg



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

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



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**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.6
32.5°	0.0	0.4	0.8	1.1	1.4	1.8	2.2	2.6	2.9	3.3	3.7
31.25°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.7
30°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.8
28.75°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.4	3.8
27.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.8
26.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9
25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.2	3.6	3.9
23.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
22.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
21.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.0
20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.3	3.7	4.1
18.75°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
17.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
16.25°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	3.8	4.1
15°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	3.8	4.2
13.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
12.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
11.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
10°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
8.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
7.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
6.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
3.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
2.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
1.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
0°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	3.9	4.3
-1.25°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	3.9	4.3
-2.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-3.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-6.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-7.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-8.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	3.9	4.3
-10°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	3.8	4.2
-11.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
-12.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
-13.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
-15°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	3.8	4.2
-16.25°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	3.8	4.1
-17.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
-18.75°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
-20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.3	3.7	4.1
-21.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.7	4.0





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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-23.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.2	3.6	3.9
-26.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9
-27.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.8
-28.75°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.4	3.8
-30°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.8
-31.25°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	3.7
-32.5°	0.0	0.4	0.8	1.1	1.4	1.8	2.2	2.6	2.9	3.3	3.7
-33.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.6
-35°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.5	2.8	3.2	3.6
-36.25°	0.0	0.4	0.7	1.1	1.4	1.7	2.1	2.4	2.8	3.2	3.5
-37.5°	0.0	0.4	0.7	1.1	1.4	1.7	2.0	2.4	2.8	3.1	3.5
-38.75°	0.0	0.4	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.1	3.4
-40°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.7	3.0	3.3
-41.25°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.3	2.6	2.9	3.3
-42.5°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.5	2.9	3.2
-43.75°	0.0	0.3	0.7	1.0	1.3	1.5	1.8	2.2	2.5	2.8	3.1
-45°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.8	3.1
-46.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-47.5°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
-48.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
-50°	0.0	0.3	0.6	0.9	1.1	1.4	1.6	1.9	2.2	2.5	2.8
-51.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.7
-52.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.6
-53.75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-55°	0.0	0.3	0.5	0.8	1.0	1.2	1.5	1.7	2.0	2.2	2.5
-56.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
-57.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.6	1.8	2.1	2.3
-58.75°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.0	2.2
-60°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-61.25°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.4	1.6	1.8	2.1
-62.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-63.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
-65°	0.0	0.2	0.4	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.8
-66.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.5	1.7
-67.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.3	1.5	1.6
-68.75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.4	1.5
-70°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.3	1.5
-71.25°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-72.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3
-73.75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
-75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.0
-77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (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°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
86.25°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
85°	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8
83.75°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0
82.5°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
81.25°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2	1.3	1.3
80°	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.5
78.75°	1.0	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7
77.5°	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9
76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3
73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.5
72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.7
71.25°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8
70°	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.0
68.75°	1.7	1.8	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2
67.5°	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.3	3.4
66.25°	1.9	2.1	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.4	3.6
65°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6	3.7
63.75°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.7	3.9
62.5°	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.1
61.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.2
60°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
58.75°	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.4	4.6
57.5°	2.5	2.8	3.0	3.2	3.5	3.7	3.9	4.1	4.3	4.5	4.7
56.25°	2.6	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.5	4.7	4.9
55°	2.7	3.0	3.2	3.5	3.7	3.9	4.1	4.4	4.6	4.9	5.1
53.75°	2.8	3.1	3.3	3.6	3.8	4.0	4.3	4.5	4.8	5.0	5.2
52.5°	2.9	3.2	3.4	3.7	3.9	4.1	4.4	4.6	4.9	5.2	5.2
51.25°	3.0	3.3	3.5	3.8	4.0	4.3	4.5	4.8	5.1	5.2	5.2
50°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.2	5.2
48.75°	3.1	3.4	3.7	4.0	4.2	4.5	4.8	5.1	5.2	5.2	5.2
47.5°	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.2	5.2	5.2
46.25°	3.3	3.6	3.9	4.1	4.4	4.7	5.0	5.2	5.2	5.2	5.3
45°	3.4	3.7	4.0	4.2	4.5	4.8	5.1	5.2	5.2	5.2	5.5
43.75°	3.5	3.7	4.0	4.3	4.6	4.9	5.2	5.2	5.2	5.3	5.6
42.5°	3.5	3.8	4.1	4.4	4.7	5.1	5.2	5.2	5.2	5.4	5.8
41.25°	3.6	3.9	4.2	4.5	4.8	5.2	5.2	5.2	5.2	5.6	5.9
40°	3.7	4.0	4.3	4.6	4.9	5.2	5.2	5.2	5.4	5.7	6.0
38.75°	3.7	4.0	4.3	4.7	5.0	5.2	5.2	5.2	5.5	5.8	6.2
37.5°	3.8	4.1	4.4	4.8	5.1	5.2	5.2	5.3	5.6	6.0	6.3
36.25°	3.8	4.2	4.5	4.9	5.2	5.2	5.2	5.4	5.7	6.1	6.4
35°	3.9	4.2	4.6	4.9	5.2	5.2	5.2	5.5	5.8	6.2	6.5



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	3.9	4.3	4.6	5.0	5.2	5.2	5.2	5.6	5.9	6.3	6.6
32.5°	4.0	4.3	4.7	5.1	5.2	5.2	5.3	5.7	6.0	6.4	6.7
31.25°	4.1	4.4	4.8	5.2	5.2	5.2	5.4	5.8	6.1	6.5	6.8
30°	4.1	4.5	4.8	5.2	5.2	5.2	5.5	5.9	6.2	6.6	6.9
28.75°	4.1	4.5	4.9	5.2	5.2	5.2	5.6	6.0	6.3	6.7	6.9
27.5°	4.2	4.6	5.0	5.2	5.2	5.3	5.7	6.0	6.4	6.7	6.9
26.25°	4.2	4.6	5.0	5.2	5.2	5.3	5.7	6.1	6.5	6.8	6.9
25°	4.3	4.7	5.1	5.2	5.2	5.4	5.8	6.2	6.6	6.9	6.9
23.75°	4.3	4.7	5.1	5.2	5.2	5.5	5.9	6.3	6.6	6.9	6.9
22.5°	4.4	4.8	5.2	5.2	5.2	5.5	5.9	6.3	6.7	6.9	6.9
21.25°	4.4	4.8	5.2	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9
20°	4.4	4.9	5.2	5.2	5.2	5.6	6.1	6.4	6.8	6.9	6.9
18.75°	4.5	4.9	5.2	5.2	5.3	5.7	6.1	6.5	6.9	6.9	6.9
17.5°	4.5	4.9	5.2	5.2	5.3	5.8	6.2	6.5	6.9	6.9	6.9
16.25°	4.5	5.0	5.2	5.2	5.4	5.8	6.2	6.6	6.9	6.9	6.9
15°	4.6	5.0	5.2	5.2	5.4	5.8	6.3	6.6	6.9	6.9	7.0
13.75°	4.6	5.0	5.2	5.2	5.4	5.9	6.3	6.7	6.9	6.9	7.1
12.5°	4.6	5.1	5.2	5.2	5.5	5.9	6.3	6.7	6.9	6.9	7.1
11.25°	4.7	5.1	5.2	5.2	5.5	6.0	6.4	6.8	6.9	6.9	7.2
10°	4.7	5.1	5.2	5.2	5.5	6.0	6.4	6.8	6.9	6.9	7.2
8.75°	4.7	5.1	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9	7.2
7.5°	4.7	5.2	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9	7.3
6.25°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
5°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
3.75°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
2.5°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
1.25°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
0°	4.8	5.2	5.2	5.2	5.7	6.1	6.5	6.9	6.9	6.9	7.4
-1.25°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
-2.5°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
-3.75°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
-5°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
-6.25°	4.7	5.2	5.2	5.2	5.6	6.1	6.5	6.9	6.9	6.9	7.3
-7.5°	4.7	5.2	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9	7.3
-8.75°	4.7	5.1	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9	7.2
-10°	4.7	5.1	5.2	5.2	5.5	6.0	6.4	6.8	6.9	6.9	7.2
-11.25°	4.7	5.1	5.2	5.2	5.5	6.0	6.4	6.8	6.9	6.9	7.2
-12.5°	4.6	5.1	5.2	5.2	5.5	5.9	6.3	6.7	6.9	6.9	7.1
-13.75°	4.6	5.0	5.2	5.2	5.4	5.9	6.3	6.7	6.9	6.9	7.1
-15°	4.6	5.0	5.2	5.2	5.4	5.8	6.3	6.6	6.9	6.9	7.0
-16.25°	4.5	5.0	5.2	5.2	5.4	5.8	6.2	6.6	6.9	6.9	6.9
-17.5°	4.5	4.9	5.2	5.2	5.3	5.8	6.2	6.5	6.9	6.9	6.9
-18.75°	4.5	4.9	5.2	5.2	5.3	5.7	6.1	6.5	6.9	6.9	6.9
-20°	4.4	4.9	5.2	5.2	5.2	5.6	6.1	6.4	6.8	6.9	6.9
-21.25°	4.4	4.8	5.2	5.2	5.2	5.6	6.0	6.4	6.8	6.9	6.9



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	6.9	6.9	6.9	7.1	7.5	7.8	8.2	8.5	8.8	9.2	9.5
32.5°	6.9	6.9	6.9	7.2	7.6	8.0	8.3	8.7	9.0	9.4	9.7
31.25°	6.9	6.9	7.0	7.4	7.7	8.1	8.5	8.8	9.2	9.5	9.9
30°	6.9	6.9	7.1	7.5	7.9	8.3	8.6	9.0	9.4	9.7	10.0
28.75°	6.9	6.9	7.3	7.6	8.0	8.4	8.8	9.1	9.5	9.9	10.2
27.5°	6.9	7.0	7.4	7.8	8.1	8.5	8.9	9.3	9.7	10.0	10.3
26.25°	6.9	7.1	7.5	7.9	8.3	8.7	9.0	9.4	9.8	10.1	10.4
25°	6.9	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.9	10.3	10.4
23.75°	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.4	10.4
22.5°	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.2	10.4	10.4
21.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.4	10.4
20°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.4	10.4
18.75°	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.4	10.4	10.4
17.5°	7.3	7.7	8.2	8.6	9.0	9.4	9.8	10.2	10.4	10.4	10.6
16.25°	7.4	7.8	8.2	8.7	9.1	9.5	9.9	10.3	10.4	10.4	10.8
15°	7.4	7.9	8.3	8.7	9.2	9.6	10.0	10.3	10.4	10.4	11.0
13.75°	7.5	7.9	8.4	8.8	9.2	9.7	10.0	10.4	10.4	10.4	11.2
12.5°	7.5	8.0	8.4	8.9	9.3	9.7	10.1	10.4	10.4	10.5	11.4
11.25°	7.6	8.0	8.5	8.9	9.3	9.8	10.2	10.4	10.4	10.7	11.5
10°	7.6	8.1	8.5	9.0	9.4	9.8	10.2	10.4	10.4	10.8	11.7
8.75°	7.7	8.1	8.6	9.0	9.4	9.9	10.3	10.4	10.4	10.9	11.8
7.5°	7.7	8.2	8.6	9.0	9.5	9.9	10.3	10.4	10.4	11.0	11.9
6.25°	7.7	8.2	8.6	9.1	9.5	9.9	10.3	10.4	10.4	11.1	12.0
5°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.2	12.1
3.75°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.2	12.1
2.5°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.3	12.2
1.25°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.3	12.2
0°	7.8	8.3	8.7	9.2	9.6	10.0	10.4	10.4	10.4	11.3	12.2
-1.25°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.3	12.2
-2.5°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.3	12.2
-3.75°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.2	12.1
-5°	7.8	8.2	8.7	9.1	9.6	10.0	10.4	10.4	10.4	11.2	12.1
-6.25°	7.7	8.2	8.6	9.1	9.5	9.9	10.3	10.4	10.4	11.1	12.0
-7.5°	7.7	8.2	8.6	9.0	9.5	9.9	10.3	10.4	10.4	11.0	11.9
-8.75°	7.7	8.1	8.6	9.0	9.4	9.9	10.3	10.4	10.4	10.9	11.8
-10°	7.6	8.1	8.5	9.0	9.4	9.8	10.2	10.4	10.4	10.8	11.7
-11.25°	7.6	8.0	8.5	8.9	9.3	9.8	10.2	10.4	10.4	10.7	11.5
-12.5°	7.5	8.0	8.4	8.9	9.3	9.7	10.1	10.4	10.4	10.5	11.4
-13.75°	7.5	7.9	8.4	8.8	9.2	9.7	10.0	10.4	10.4	10.4	11.2
-15°	7.4	7.9	8.3	8.7	9.2	9.6	10.0	10.3	10.4	10.4	11.0
-16.25°	7.4	7.8	8.2	8.7	9.1	9.5	9.9	10.3	10.4	10.4	10.8
-17.5°	7.3	7.7	8.2	8.6	9.0	9.4	9.8	10.2	10.4	10.4	10.6
-18.75°	7.2	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.4	10.4	10.4
-20°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.4	10.4
-21.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.3	10.4	10.4





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.2	10.4	10.4
-23.75°	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.4	10.4
-25°	6.9	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.9	10.3	10.4
-26.25°	6.9	7.1	7.5	7.9	8.3	8.7	9.0	9.4	9.8	10.1	10.4
-27.5°	6.9	7.0	7.4	7.8	8.1	8.5	8.9	9.3	9.7	10.0	10.3
-28.75°	6.9	6.9	7.3	7.6	8.0	8.4	8.8	9.1	9.5	9.9	10.2
-30°	6.9	6.9	7.1	7.5	7.9	8.3	8.6	9.0	9.4	9.7	10.0
-31.25°	6.9	6.9	7.0	7.4	7.7	8.1	8.5	8.8	9.2	9.5	9.9
-32.5°	6.9	6.9	6.9	7.2	7.6	8.0	8.3	8.7	9.0	9.4	9.7
-33.75°	6.9	6.9	6.9	7.1	7.5	7.8	8.2	8.5	8.8	9.2	9.5
-35°	6.8	6.9	6.9	7.0	7.3	7.6	8.0	8.3	8.7	9.0	9.3
-36.25°	6.7	6.9	6.9	6.9	7.1	7.5	7.8	8.2	8.5	8.8	9.1
-37.5°	6.6	6.9	6.9	6.9	7.0	7.3	7.6	8.0	8.3	8.6	8.9
-38.75°	6.5	6.8	6.9	6.9	6.9	7.1	7.5	7.8	8.1	8.4	8.7
-40°	6.3	6.6	6.9	6.9	6.9	7.0	7.3	7.6	7.9	8.2	8.5
-41.25°	6.2	6.5	6.8	6.9	6.9	6.9	7.1	7.4	7.7	8.0	8.3
-42.5°	6.1	6.3	6.6	6.9	6.9	6.9	6.9	7.2	7.5	7.8	8.1
-43.75°	5.9	6.2	6.5	6.7	6.9	6.9	6.9	7.0	7.3	7.6	7.9
-45°	5.8	6.1	6.3	6.6	6.8	6.9	6.9	6.9	7.1	7.4	7.6
-46.25°	5.6	5.9	6.2	6.4	6.7	6.9	6.9	6.9	6.9	7.1	7.4
-47.5°	5.4	5.7	6.0	6.3	6.5	6.8	6.9	6.9	6.9	6.9	7.2
-48.75°	5.3	5.6	5.8	6.1	6.3	6.6	6.8	6.9	6.9	6.9	6.9
-50°	5.2	5.4	5.6	5.9	6.2	6.4	6.6	6.8	6.9	6.9	6.9
-51.25°	5.2	5.2	5.5	5.7	6.0	6.2	6.4	6.7	6.9	6.9	6.9
-52.5°	5.2	5.2	5.3	5.5	5.8	6.0	6.2	6.5	6.7	6.9	6.9
-53.75°	5.2	5.2	5.2	5.3	5.6	5.8	6.0	6.2	6.5	6.7	6.8
-55°	5.2	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6
-56.25°	5.2	5.2	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.4
-57.5°	5.0	5.2	5.2	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2
-58.75°	4.8	5.0	5.2	5.2	5.2	5.2	5.2	5.3	5.5	5.7	5.9
-60°	4.6	4.8	5.0	5.2	5.2	5.2	5.2	5.2	5.3	5.5	5.6
-61.25°	4.4	4.6	4.8	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.4
-62.5°	4.2	4.4	4.6	4.8	5.0	5.2	5.2	5.2	5.2	5.2	5.2
-63.75°	4.1	4.2	4.4	4.6	4.7	4.9	5.1	5.2	5.2	5.2	5.2
-65°	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.2	5.2
-66.25°	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2
-67.5°	3.6	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9
-68.75°	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5	4.6
-70°	3.2	3.3	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.3	4.4
-71.25°	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1
-72.5°	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
-73.75°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
-75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.3
-76.25°	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
-77.5°	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1
85°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4
83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
81.25°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
80°	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8
78.75°	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2
77.5°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5
76.25°	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8
75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2
73.75°	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3	4.4	4.5
72.5°	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
71.25°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
70°	4.5	4.6	4.7	4.8	4.9	5.1	5.2	5.2	5.2	5.2	5.2
68.75°	4.8	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
67.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.4
66.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.4	5.5	5.6	5.7
65°	5.2	5.2	5.2	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.1
63.75°	5.2	5.2	5.3	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.4
62.5°	5.3	5.4	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7
61.25°	5.6	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.8	6.9	6.9
60°	5.8	6.0	6.2	6.3	6.5	6.6	6.8	6.9	6.9	6.9	6.9
58.75°	6.1	6.3	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9
57.5°	6.3	6.5	6.7	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1
56.25°	6.6	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.3	7.5
55°	6.8	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.6	7.8
53.75°	6.9	6.9	6.9	6.9	7.0	7.2	7.4	7.6	7.8	8.0	8.2
52.5°	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5
51.25°	6.9	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8
50°	6.9	7.2	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.1
48.75°	7.2	7.4	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.3	9.5
47.5°	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.1	9.3	9.6	9.8
46.25°	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.4	9.6	9.8	10.0
45°	7.9	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.3
43.75°	8.1	8.4	8.7	9.0	9.2	9.5	9.7	10.0	10.2	10.4	10.4
42.5°	8.4	8.7	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.4	10.4
41.25°	8.6	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.4	10.4	10.4
40°	8.8	9.1	9.4	9.7	10.0	10.2	10.4	10.4	10.4	10.4	10.9
38.75°	9.0	9.3	9.6	9.9	10.2	10.4	10.4	10.4	10.4	10.9	11.5
37.5°	9.3	9.6	9.8	10.1	10.4	10.4	10.4	10.4	10.9	11.5	12.0
36.25°	9.5	9.8	10.0	10.3	10.4	10.4	10.4	10.9	11.5	12.0	12.8
35°	9.7	10.0	10.2	10.4	10.4	10.4	10.8	11.4	12.0	12.8	13.6



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	9.8	10.1	10.4	10.4	10.4	10.6	11.3	11.9	12.6	13.5	14.4
32.5°	10.0	10.3	10.4	10.4	10.4	11.1	11.7	12.5	13.4	14.3	15.5
31.25°	10.2	10.4	10.4	10.4	10.9	11.5	12.2	13.1	14.1	15.2	17.1
30°	10.3	10.4	10.4	10.6	11.3	12.0	12.9	13.8	14.8	16.7	18.5
28.75°	10.4	10.4	10.4	11.0	11.7	12.5	13.5	14.5	16.1	18.1	20.0
27.5°	10.4	10.4	10.6	11.4	12.1	13.1	14.1	15.4	17.4	19.4	22.3
26.25°	10.4	10.4	11.0	11.7	12.6	13.7	14.7	16.7	18.7	21.3	24.6
25°	10.4	10.6	11.3	12.1	13.1	14.2	15.7	17.9	20.0	23.4	26.8
23.75°	10.4	10.9	11.7	12.5	13.6	14.7	16.8	19.0	21.9	25.4	29.1
22.5°	10.4	11.2	12.0	13.0	14.1	15.7	17.9	20.2	23.8	27.4	32.2
21.25°	10.7	11.5	12.3	13.5	14.6	16.7	18.9	21.9	25.7	29.6	35.1
20°	11.0	11.8	12.7	13.9	15.3	17.6	19.9	23.6	27.4	32.4	37.9
18.75°	11.2	12.0	13.1	14.3	16.2	18.5	21.4	25.2	29.2	34.9	40.6
17.5°	11.5	12.3	13.5	14.7	17.0	19.3	22.8	26.7	31.6	37.4	44.1
16.25°	11.7	12.7	13.9	15.3	17.7	20.2	24.2	28.2	33.8	39.7	48.1
15°	11.9	13.0	14.2	16.0	18.4	21.4	25.5	29.9	35.9	41.9	51.8
13.75°	12.1	13.3	14.5	16.6	19.1	22.6	26.7	31.7	37.8	45.3	55.3
12.5°	12.3	13.5	14.8	17.2	19.7	23.6	27.7	33.4	39.6	48.3	58.5
11.25°	12.5	13.8	15.2	17.7	20.4	24.6	28.8	35.0	41.2	51.1	61.4
10°	12.7	14.0	15.7	18.2	21.2	25.4	30.1	36.4	43.2	53.7	64.5
8.75°	12.9	14.2	16.1	18.6	21.9	26.2	31.3	37.6	45.4	55.9	68.3
7.5°	13.1	14.3	16.4	19.0	22.6	26.8	32.3	38.7	47.3	57.9	71.6
6.25°	13.2	14.5	16.7	19.3	23.1	27.4	33.2	39.6	48.9	59.6	74.4
5°	13.3	14.6	17.0	19.5	23.6	27.9	33.9	40.4	50.2	60.9	76.7
3.75°	13.4	14.7	17.2	19.7	23.9	28.2	34.5	40.9	51.2	62.0	78.5
2.5°	13.5	14.7	17.3	19.9	24.2	28.5	34.9	41.4	52.0	62.8	79.8
1.25°	13.5	14.8	17.4	20.0	24.3	28.6	35.1	41.6	52.4	63.2	80.5
0°	13.5	14.8	17.4	20.0	24.4	28.7	35.2	41.7	52.6	63.4	80.8
-1.25°	13.5	14.8	17.4	20.0	24.3	28.6	35.1	41.6	52.4	63.2	80.5
-2.5°	13.5	14.7	17.3	19.9	24.2	28.5	34.9	41.4	52.0	62.8	79.8
-3.75°	13.4	14.7	17.2	19.7	23.9	28.2	34.5	40.9	51.2	62.0	78.5
-5°	13.3	14.6	17.0	19.5	23.6	27.9	33.9	40.4	50.2	60.9	76.7
-6.25°	13.2	14.5	16.7	19.3	23.1	27.4	33.2	39.6	48.9	59.6	74.4
-7.5°	13.1	14.3	16.4	19.0	22.6	26.8	32.3	38.7	47.3	57.9	71.6
-8.75°	12.9	14.2	16.1	18.6	21.9	26.2	31.3	37.6	45.4	55.9	68.3
-10°	12.7	14.0	15.7	18.2	21.2	25.4	30.1	36.4	43.2	53.7	64.5
-11.25°	12.5	13.8	15.2	17.7	20.4	24.6	28.8	35.0	41.2	51.1	61.4
-12.5°	12.3	13.5	14.8	17.2	19.7	23.6	27.7	33.4	39.6	48.3	58.5
-13.75°	12.1	13.3	14.5	16.6	19.1	22.6	26.7	31.7	37.8	45.3	55.3
-15°	11.9	13.0	14.2	16.0	18.4	21.4	25.5	29.9	35.9	41.9	51.8
-16.25°	11.7	12.7	13.9	15.3	17.7	20.2	24.2	28.2	33.8	39.7	48.1
-17.5°	11.5	12.3	13.5	14.7	17.0	19.3	22.8	26.7	31.6	37.4	44.1
-18.75°	11.2	12.0	13.1	14.3	16.2	18.5	21.4	25.2	29.2	34.9	40.6
-20°	11.0	11.8	12.7	13.9	15.3	17.6	19.9	23.6	27.4	32.4	37.9
-21.25°	10.7	11.5	12.3	13.5	14.6	16.7	18.9	21.9	25.7	29.6	35.1



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	10.4	11.2	12.0	13.0	14.1	15.7	17.9	20.2	23.8	27.4	32.2
-23.75°	10.4	10.9	11.7	12.5	13.6	14.7	16.8	19.0	21.9	25.4	29.1
-25°	10.4	10.6	11.3	12.1	13.1	14.2	15.7	17.9	20.0	23.4	26.8
-26.25°	10.4	10.4	11.0	11.7	12.6	13.7	14.7	16.7	18.7	21.3	24.6
-27.5°	10.4	10.4	10.6	11.4	12.1	13.1	14.1	15.4	17.4	19.4	22.3
-28.75°	10.4	10.4	10.4	11.0	11.7	12.5	13.5	14.5	16.1	18.1	20.0
-30°	10.3	10.4	10.4	10.6	11.3	12.0	12.9	13.8	14.8	16.7	18.5
-31.25°	10.2	10.4	10.4	10.4	10.9	11.5	12.2	13.1	14.1	15.2	17.1
-32.5°	10.0	10.3	10.4	10.4	10.4	11.1	11.7	12.5	13.4	14.3	15.5
-33.75°	9.8	10.1	10.4	10.4	10.4	10.6	11.3	11.9	12.6	13.5	14.4
-35°	9.7	10.0	10.2	10.4	10.4	10.4	10.8	11.4	12.0	12.8	13.6
-36.25°	9.5	9.8	10.0	10.3	10.4	10.4	10.4	10.9	11.5	12.0	12.8
-37.5°	9.3	9.6	9.8	10.1	10.4	10.4	10.4	10.4	10.9	11.5	12.0
-38.75°	9.0	9.3	9.6	9.9	10.2	10.4	10.4	10.4	10.4	10.9	11.5
-40°	8.8	9.1	9.4	9.7	10.0	10.2	10.4	10.4	10.4	10.4	10.9
-41.25°	8.6	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.4	10.4	10.4
-42.5°	8.4	8.7	8.9	9.2	9.5	9.7	10.0	10.2	10.4	10.4	10.4
-43.75°	8.1	8.4	8.7	9.0	9.2	9.5	9.7	10.0	10.2	10.4	10.4
-45°	7.9	8.2	8.4	8.7	9.0	9.2	9.5	9.7	9.9	10.1	10.3
-46.25°	7.7	7.9	8.2	8.4	8.7	8.9	9.2	9.4	9.6	9.8	10.0
-47.5°	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.1	9.3	9.6	9.8
-48.75°	7.2	7.4	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.3	9.5
-50°	6.9	7.2	7.4	7.6	7.9	8.1	8.3	8.5	8.7	8.9	9.1
-51.25°	6.9	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8
-52.5°	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5
-53.75°	6.9	6.9	6.9	6.9	7.0	7.2	7.4	7.6	7.8	8.0	8.2
-55°	6.8	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.6	7.8
-56.25°	6.6	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.3	7.5
-57.5°	6.3	6.5	6.7	6.8	6.9	6.9	6.9	6.9	6.9	7.0	7.1
-58.75°	6.1	6.3	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9
-60°	5.8	6.0	6.2	6.3	6.5	6.6	6.8	6.9	6.9	6.9	6.9
-61.25°	5.6	5.7	5.9	6.1	6.2	6.3	6.5	6.6	6.8	6.9	6.9
-62.5°	5.3	5.4	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7
-63.75°	5.2	5.2	5.3	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.4
-65°	5.2	5.2	5.2	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.1
-66.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.4	5.5	5.6	5.7
-67.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.4
-68.75°	4.8	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-70°	4.5	4.6	4.7	4.8	4.9	5.1	5.2	5.2	5.2	5.2	5.2
-71.25°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-72.5°	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
-73.75°	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3	4.4	4.5
-75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2
-76.25°	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8
-77.5°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2
-80°	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8
-81.25°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
-82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
-83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
-85°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4
-86.25°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1
-87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
82.5°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
81.25°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
78.75°	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6
77.5°	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0
76.25°	3.9	3.9	4.0	4.1	4.1	4.1	4.2	4.2	4.3	4.3	4.4
75°	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8
73.75°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
72.5°	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
71.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4	5.5	5.5
68.75°	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9
67.5°	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.3	6.3
66.25°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7
65°	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	6.9
63.75°	6.5	6.6	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9
62.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
61.25°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.2	7.3	7.4
60°	6.9	6.9	6.9	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8
58.75°	7.0	7.1	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2
57.5°	7.3	7.5	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.5	8.6
56.25°	7.6	7.8	8.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	9.0
55°	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.4
53.75°	8.3	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.8
52.5°	8.7	8.8	9.0	9.2	9.4	9.5	9.7	9.8	9.9	10.0	10.2
51.25°	9.0	9.2	9.4	9.5	9.7	9.9	10.0	10.1	10.3	10.4	10.4
50°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.4	10.4	10.4
48.75°	9.7	9.8	10.0	10.2	10.3	10.4	10.4	10.4	10.4	10.4	10.4
47.5°	10.0	10.1	10.3	10.4	10.4	10.4	10.4	10.4	10.6	10.9	11.2
46.25°	10.2	10.4	10.4	10.4	10.4	10.4	10.6	11.0	11.3	11.7	12.0
45°	10.4	10.4	10.4	10.4	10.6	11.0	11.4	11.7	12.1	12.5	13.0
43.75°	10.4	10.4	10.4	10.9	11.3	11.7	12.1	12.6	13.1	13.6	14.1
42.5°	10.4	10.6	11.1	11.5	12.0	12.5	13.1	13.7	14.2	14.7	15.7
41.25°	10.8	11.3	11.7	12.2	12.9	13.5	14.1	14.7	15.7	16.8	17.9
40°	11.4	11.9	12.5	13.1	13.8	14.5	15.4	16.7	17.9	19.0	20.2
38.75°	12.0	12.6	13.4	14.1	14.8	16.1	17.4	18.7	20.0	21.9	23.8
37.5°	12.8	13.5	14.3	15.2	16.7	18.1	19.4	21.3	23.4	25.4	27.4
36.25°	13.6	14.4	15.5	17.1	18.5	20.0	22.3	24.6	26.8	29.1	32.2
35°	14.4	15.7	17.3	18.9	20.6	23.1	25.6	27.9	31.0	34.3	37.5



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	15.7	17.4	19.0	21.1	23.7	26.3	28.8	32.5	36.0	39.4	43.4
32.5°	17.3	19.0	21.2	24.0	26.7	29.6	33.5	37.3	40.9	46.3	52.0
31.25°	18.9	21.1	24.0	26.8	30.1	34.2	38.1	42.2	48.5	54.6	60.5
30°	20.6	23.7	26.7	30.1	34.4	38.6	43.4	50.0	56.5	62.9	72.3
28.75°	23.1	26.3	29.6	34.2	38.6	43.7	50.8	57.7	65.0	75.5	85.6
27.5°	25.6	28.8	33.5	38.1	43.4	50.8	58.1	66.3	77.4	88.2	98.9
26.25°	27.9	32.5	37.3	42.2	50.0	57.7	66.3	78.0	89.5	101.8	117.4
25°	31.0	36.0	40.9	48.5	56.5	65.0	77.4	89.5	102.7	119.4	135.6
23.75°	34.3	39.4	46.3	54.6	62.9	75.5	88.2	101.8	119.4	136.6	156.6
22.5°	37.5	43.4	52.0	60.5	72.3	85.6	98.9	117.4	135.6	156.6	185.6
21.25°	40.5	48.6	57.5	67.9	81.7	95.4	113.5	132.6	153.2	183.8	213.8
20°	44.6	53.7	62.7	76.6	90.8	107.7	127.6	147.2	178.6	210.2	243.9
18.75°	49.2	58.5	70.4	85.0	100.0	120.7	141.1	169.8	203.0	236.5	279.5
17.5°	53.6	63.1	78.0	92.9	112.0	133.1	157.8	192.3	226.4	269.1	321.9
16.25°	57.8	69.9	85.2	101.4	123.3	144.9	178.3	213.7	254.1	305.7	365.4
15°	61.7	76.4	92.0	111.6	133.9	161.0	197.7	234.3	283.4	343.4	409.4
13.75°	66.5	82.4	98.3	121.2	143.8	178.4	215.8	259.7	316.5	381.8	454.6
12.5°	71.8	88.0	106.8	130.0	156.1	194.5	232.6	284.6	348.8	420.3	496.8
11.25°	76.7	93.1	114.5	138.0	170.2	209.3	253.4	311.8	380.4	457.5	536.0
10°	81.2	97.8	121.5	145.4	183.1	222.7	272.2	336.7	410.6	491.5	574.5
8.75°	85.1	103.5	127.7	154.2	194.5	235.4	291.8	361.2	439.6	522.0	609.3
7.5°	88.5	108.7	133.2	163.7	204.5	249.5	310.3	382.8	465.1	549.8	640.0
6.25°	91.5	113.2	137.8	171.9	213.1	261.5	326.1	401.8	487.0	574.8	666.4
5°	93.9	116.8	141.6	178.6	220.1	271.4	339.7	418.9	505.1	595.5	688.3
3.75°	95.8	119.7	144.6	183.9	225.7	279.5	351.0	432.3	519.3	611.7	705.5
2.5°	97.1	121.7	146.8	187.6	229.6	286.5	359.2	442.0	529.5	623.4	717.9
1.25°	97.9	122.9	148.1	189.9	232.0	290.7	364.1	447.8	535.6	630.4	725.4
0°	98.2	123.4	148.5	190.7	232.8	292.1	365.7	449.7	537.7	632.8	727.9
-1.25°	97.9	122.9	148.1	189.9	232.0	290.7	364.1	447.8	535.6	630.4	725.4
-2.5°	97.1	121.7	146.8	187.6	229.6	286.5	359.2	442.0	529.5	623.4	717.9
-3.75°	95.8	119.7	144.6	183.9	225.7	279.5	351.0	432.3	519.3	611.7	705.5
-5°	93.9	116.8	141.6	178.6	220.1	271.4	339.7	418.9	505.1	595.5	688.3
-6.25°	91.5	113.2	137.8	171.9	213.1	261.5	326.1	401.8	487.0	574.8	666.4
-7.5°	88.5	108.7	133.2	163.7	204.5	249.5	310.3	382.8	465.1	549.8	640.0
-8.75°	85.1	103.5	127.7	154.2	194.5	235.4	291.8	361.2	439.6	522.0	609.3
-10°	81.2	97.8	121.5	145.4	183.1	222.7	272.2	336.7	410.6	491.5	574.5
-11.25°	76.7	93.1	114.5	138.0	170.2	209.3	253.4	311.8	380.4	457.5	536.0
-12.5°	71.8	88.0	106.8	130.0	156.1	194.5	232.6	284.6	348.8	420.3	496.8
-13.75°	66.5	82.4	98.3	121.2	143.8	178.4	215.8	259.7	316.5	381.8	454.6
-15°	61.7	76.4	92.0	111.6	133.9	161.0	197.7	234.3	283.4	343.4	409.4
-16.25°	57.8	69.9	85.2	101.4	123.3	144.9	178.3	213.7	254.1	305.7	365.4
-17.5°	53.6	63.1	78.0	92.9	112.0	133.1	157.8	192.3	226.4	269.1	321.9
-18.75°	49.2	58.5	70.4	85.0	100.0	120.7	141.1	169.8	203.0	236.5	279.5
-20°	44.6	53.7	62.7	76.6	90.8	107.7	127.6	147.2	178.6	210.2	243.9
-21.25°	40.5	48.6	57.5	67.9	81.7	95.4	113.5	132.6	153.2	183.8	213.8





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**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	37.5	43.4	52.0	60.5	72.3	85.6	98.9	117.4	135.6	156.6	185.6
-23.75°	34.3	39.4	46.3	54.6	62.9	75.5	88.2	101.8	119.4	136.6	156.6
-25°	31.0	36.0	40.9	48.5	56.5	65.0	77.4	89.5	102.7	119.4	135.6
-26.25°	27.9	32.5	37.3	42.2	50.0	57.7	66.3	78.0	89.5	101.8	117.4
-27.5°	25.6	28.8	33.5	38.1	43.4	50.8	58.1	66.3	77.4	88.2	98.9
-28.75°	23.1	26.3	29.6	34.2	38.6	43.7	50.8	57.7	65.0	75.5	85.6
-30°	20.6	23.7	26.7	30.1	34.4	38.6	43.4	50.0	56.5	62.9	72.3
-31.25°	18.9	21.1	24.0	26.8	30.1	34.2	38.1	42.2	48.5	54.6	60.5
-32.5°	17.3	19.0	21.2	24.0	26.7	29.6	33.5	37.3	40.9	46.3	52.0
-33.75°	15.7	17.4	19.0	21.1	23.7	26.3	28.8	32.5	36.0	39.4	43.4
-35°	14.4	15.7	17.3	18.9	20.6	23.1	25.6	27.9	31.0	34.3	37.5
-36.25°	13.6	14.4	15.5	17.1	18.5	20.0	22.3	24.6	26.8	29.1	32.2
-37.5°	12.8	13.5	14.3	15.2	16.7	18.1	19.4	21.3	23.4	25.4	27.4
-38.75°	12.0	12.6	13.4	14.1	14.8	16.1	17.4	18.7	20.0	21.9	23.8
-40°	11.4	11.9	12.5	13.1	13.8	14.5	15.4	16.7	17.9	19.0	20.2
-41.25°	10.8	11.3	11.7	12.2	12.9	13.5	14.1	14.7	15.7	16.8	17.9
-42.5°	10.4	10.6	11.1	11.5	12.0	12.5	13.1	13.7	14.2	14.7	15.7
-43.75°	10.4	10.4	10.4	10.9	11.3	11.7	12.1	12.6	13.1	13.6	14.1
-45°	10.4	10.4	10.4	10.4	10.6	11.0	11.4	11.7	12.1	12.5	13.0
-46.25°	10.2	10.4	10.4	10.4	10.4	10.4	10.6	11.0	11.3	11.7	12.0
-47.5°	10.0	10.1	10.3	10.4	10.4	10.4	10.4	10.4	10.6	10.9	11.2
-48.75°	9.7	9.8	10.0	10.2	10.3	10.4	10.4	10.4	10.4	10.4	10.4
-50°	9.3	9.5	9.7	9.9	10.0	10.2	10.3	10.4	10.4	10.4	10.4
-51.25°	9.0	9.2	9.4	9.5	9.7	9.9	10.0	10.1	10.3	10.4	10.4
-52.5°	8.7	8.8	9.0	9.2	9.4	9.5	9.7	9.8	9.9	10.0	10.2
-53.75°	8.3	8.5	8.7	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.8
-55°	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.0	9.2	9.3	9.4
-56.25°	7.6	7.8	8.0	8.1	8.3	8.4	8.5	8.7	8.8	8.9	9.0
-57.5°	7.3	7.5	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.5	8.6
-58.75°	7.0	7.1	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2
-60°	6.9	6.9	6.9	7.0	7.1	7.3	7.4	7.5	7.6	7.7	7.8
-61.25°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.2	7.3	7.4
-62.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0
-63.75°	6.5	6.6	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-65°	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9	6.9	6.9
-66.25°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-67.5°	5.5	5.6	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.3	6.3
-68.75°	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9
-70°	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4	5.5	5.5
-71.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-72.5°	4.9	5.0	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-73.75°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-75°	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8
-76.25°	3.9	3.9	4.0	4.1	4.1	4.1	4.2	4.2	4.3	4.3	4.4
-77.5°	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.5	3.6	3.6	3.6
-80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-81.25°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
-82.5°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
-83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
-85°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
-86.25°	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
83.75°	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
81.25°	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
80°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
78.75°	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9
77.5°	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3
76.25°	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
75°	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
71.25°	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6
70°	5.6	5.6	5.7	5.8	5.8	5.8	5.9	5.9	6.0	6.0	6.0
68.75°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
67.5°	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8
66.25°	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
63.75°	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.1	7.2	7.2	7.2
62.5°	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.7
61.25°	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.0	8.1	8.1
60°	7.9	8.0	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6
58.75°	8.3	8.4	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0
57.5°	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
56.25°	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.8	9.9
55°	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
53.75°	9.9	10.0	10.1	10.2	10.3	10.3	10.4	10.4	10.4	10.4	10.4
52.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
51.25°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.7	10.8	10.9
50°	10.4	10.4	10.4	10.6	10.8	11.0	11.2	11.4	11.5	11.7	11.8
48.75°	10.7	11.0	11.2	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9
47.5°	11.5	11.8	12.0	12.3	12.7	13.0	13.3	13.5	13.8	14.0	14.2
46.25°	12.3	12.7	13.1	13.5	13.9	14.2	14.5	14.8	15.2	15.7	16.1
45°	13.5	13.9	14.3	14.7	15.3	16.0	16.6	17.2	17.7	18.2	18.6
43.75°	14.6	15.3	16.2	17.0	17.7	18.4	19.1	19.7	20.4	21.2	21.9
42.5°	16.7	17.6	18.5	19.3	20.2	21.4	22.6	23.6	24.6	25.4	26.2
41.25°	18.9	19.9	21.4	22.8	24.2	25.5	26.7	27.7	28.8	30.1	31.3
40°	21.9	23.6	25.2	26.7	28.2	29.9	31.7	33.4	35.0	36.4	37.6
38.75°	25.7	27.4	29.2	31.6	33.8	35.9	37.8	39.6	41.2	43.2	45.4
37.5°	29.6	32.4	34.9	37.4	39.7	41.9	45.3	48.3	51.1	53.7	55.9
36.25°	35.1	37.9	40.6	44.1	48.1	51.8	55.3	58.5	61.4	64.5	68.3
35°	40.5	44.6	49.2	53.6	57.8	61.7	66.5	71.8	76.7	81.2	85.1



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**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	48.6	53.7	58.5	63.1	69.9	76.4	82.4	88.0	93.1	97.8	103.5
32.5°	57.5	62.7	70.4	78.0	85.2	92.0	98.3	106.8	114.5	121.5	127.7
31.25°	67.9	76.6	85.0	92.9	101.4	111.6	121.2	130.0	138.0	145.4	154.2
30°	81.7	90.8	100.0	112.0	123.3	133.9	143.8	156.1	170.2	183.1	194.5
28.75°	95.4	107.7	120.7	133.1	144.9	161.0	178.4	194.5	209.3	222.7	235.4
27.5°	113.5	127.6	141.1	157.8	178.3	197.7	215.8	232.6	253.4	272.2	291.8
26.25°	132.6	147.2	169.8	192.3	213.7	234.3	259.7	284.6	311.8	336.7	361.2
25°	153.2	178.6	203.0	226.4	254.1	283.4	316.5	348.8	380.4	410.6	439.6
23.75°	183.8	210.2	236.5	269.1	305.7	343.4	381.8	420.3	457.5	491.5	522.0
22.5°	213.8	243.9	279.5	321.9	365.4	409.4	454.6	496.8	536.0	574.5	609.3
21.25°	246.4	285.9	331.6	380.2	430.7	480.7	528.1	575.3	619.7	660.5	697.2
20°	285.9	335.0	387.7	443.6	498.4	551.8	605.4	655.7	702.5	747.5	790.8
18.75°	331.6	387.7	447.9	507.4	566.7	625.8	681.9	735.6	790.5	841.1	886.9
17.5°	380.2	443.6	507.4	571.7	636.1	697.9	760.0	821.9	879.8	933.3	986.0
16.25°	430.7	498.4	566.7	636.1	703.2	772.3	841.0	906.1	969.9	1031.9	1088.6
15°	480.7	551.8	625.8	697.9	772.3	847.4	919.4	992.5	1063.3	1129.2	1190.1
13.75°	528.1	605.4	681.9	760.0	841.0	919.4	1000.2	1079.2	1154.2	1224.6	1287.8
12.5°	575.3	655.7	735.6	821.9	906.1	992.5	1079.2	1162.7	1241.8	1314.5	1378.7
11.25°	619.7	702.5	790.5	879.8	969.9	1063.3	1154.2	1241.8	1323.1	1396.9	1458.2
10°	660.5	747.5	841.1	933.3	1031.9	1129.2	1224.6	1314.5	1396.9	1466.8	1526.5
8.75°	697.2	790.8	886.9	986.0	1088.6	1190.1	1287.8	1378.7	1458.2	1526.5	1584.0
7.5°	729.9	829.2	927.7	1033.4	1139.4	1244.0	1343.1	1432.7	1510.2	1576.3	1632.8
6.25°	761.0	862.3	965.1	1074.7	1183.9	1290.5	1390.8	1478.3	1553.6	1617.8	1674.3
5°	786.9	889.8	997.3	1109.2	1221.2	1328.8	1427.5	1513.4	1587.2	1651.5	1708.6
3.75°	807.3	911.5	1022.8	1136.6	1250.1	1358.5	1456.2	1541.6	1613.6	1677.6	1734.5
2.5°	822.0	927.2	1041.2	1156.6	1271.0	1380.1	1477.0	1560.1	1631.9	1696.5	1753.7
1.25°	830.9	936.7	1052.3	1168.6	1283.7	1393.3	1488.5	1571.2	1643.2	1708.2	1765.1
0°	833.9	939.9	1056.1	1172.7	1288.0	1397.7	1492.4	1574.9	1647.0	1712.1	1768.8
-1.25°	830.9	936.7	1052.3	1168.6	1283.7	1393.3	1488.5	1571.2	1643.2	1708.2	1765.1
-2.5°	822.0	927.2	1041.2	1156.6	1271.0	1380.1	1477.0	1560.1	1631.9	1696.5	1753.7
-3.75°	807.3	911.5	1022.8	1136.6	1250.1	1358.5	1456.2	1541.6	1613.6	1677.6	1734.5
-5°	786.9	889.8	997.3	1109.2	1221.2	1328.8	1427.5	1513.4	1587.2	1651.5	1708.6
-6.25°	761.0	862.3	965.1	1074.7	1183.9	1290.5	1390.8	1478.3	1553.6	1617.8	1674.3
-7.5°	729.9	829.2	927.7	1033.4	1139.4	1244.0	1343.1	1432.7	1510.2	1576.3	1632.8
-8.75°	697.2	790.8	886.9	986.0	1088.6	1190.1	1287.8	1378.7	1458.2	1526.5	1584.0
-10°	660.5	747.5	841.1	933.3	1031.9	1129.2	1224.6	1314.5	1396.9	1466.8	1526.5
-11.25°	619.7	702.5	790.5	879.8	969.9	1063.3	1154.2	1241.8	1323.1	1396.9	1458.2
-12.5°	575.3	655.7	735.6	821.9	906.1	992.5	1079.2	1162.7	1241.8	1314.5	1378.7
-13.75°	528.1	605.4	681.9	760.0	841.0	919.4	1000.2	1079.2	1154.2	1224.6	1287.8
-15°	480.7	551.8	625.8	697.9	772.3	847.4	919.4	992.5	1063.3	1129.2	1190.1
-16.25°	430.7	498.4	566.7	636.1	703.2	772.3	841.0	906.1	969.9	1031.9	1088.6
-17.5°	380.2	443.6	507.4	571.7	636.1	697.9	760.0	821.9	879.8	933.3	986.0
-18.75°	331.6	387.7	447.9	507.4	566.7	625.8	681.9	735.6	790.5	841.1	886.9
-20°	285.9	335.0	387.7	443.6	498.4	551.8	605.4	655.7	702.5	747.5	790.8
-21.25°	246.4	285.9	331.6	380.2	430.7	480.7	528.1	575.3	619.7	660.5	697.2



REPORT NUMBER: P220323 (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°
-22.5°	213.8	243.9	279.5	321.9	365.4	409.4	454.6	496.8	536.0	574.5	609.3
-23.75°	183.8	210.2	236.5	269.1	305.7	343.4	381.8	420.3	457.5	491.5	522.0
-25°	153.2	178.6	203.0	226.4	254.1	283.4	316.5	348.8	380.4	410.6	439.6
-26.25°	132.6	147.2	169.8	192.3	213.7	234.3	259.7	284.6	311.8	336.7	361.2
-27.5°	113.5	127.6	141.1	157.8	178.3	197.7	215.8	232.6	253.4	272.2	291.8
-28.75°	95.4	107.7	120.7	133.1	144.9	161.0	178.4	194.5	209.3	222.7	235.4
-30°	81.7	90.8	100.0	112.0	123.3	133.9	143.8	156.1	170.2	183.1	194.5
-31.25°	67.9	76.6	85.0	92.9	101.4	111.6	121.2	130.0	138.0	145.4	154.2
-32.5°	57.5	62.7	70.4	78.0	85.2	92.0	98.3	106.8	114.5	121.5	127.7
-33.75°	48.6	53.7	58.5	63.1	69.9	76.4	82.4	88.0	93.1	97.8	103.5
-35°	40.5	44.6	49.2	53.6	57.8	61.7	66.5	71.8	76.7	81.2	85.1
-36.25°	35.1	37.9	40.6	44.1	48.1	51.8	55.3	58.5	61.4	64.5	68.3
-37.5°	29.6	32.4	34.9	37.4	39.7	41.9	45.3	48.3	51.1	53.7	55.9
-38.75°	25.7	27.4	29.2	31.6	33.8	35.9	37.8	39.6	41.2	43.2	45.4
-40°	21.9	23.6	25.2	26.7	28.2	29.9	31.7	33.4	35.0	36.4	37.6
-41.25°	18.9	19.9	21.4	22.8	24.2	25.5	26.7	27.7	28.8	30.1	31.3
-42.5°	16.7	17.6	18.5	19.3	20.2	21.4	22.6	23.6	24.6	25.4	26.2
-43.75°	14.6	15.3	16.2	17.0	17.7	18.4	19.1	19.7	20.4	21.2	21.9
-45°	13.5	13.9	14.3	14.7	15.3	16.0	16.6	17.2	17.7	18.2	18.6
-46.25°	12.3	12.7	13.1	13.5	13.9	14.2	14.5	14.8	15.2	15.7	16.1
-47.5°	11.5	11.8	12.0	12.3	12.7	13.0	13.3	13.5	13.8	14.0	14.2
-48.75°	10.7	11.0	11.2	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9
-50°	10.4	10.4	10.4	10.6	10.8	11.0	11.2	11.4	11.5	11.7	11.8
-51.25°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.5	10.7	10.8	10.9
-52.5°	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-53.75°	9.9	10.0	10.1	10.2	10.3	10.3	10.4	10.4	10.4	10.4	10.4
-55°	9.5	9.6	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
-56.25°	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.8	9.9
-57.5°	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-58.75°	8.3	8.4	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0
-60°	7.9	8.0	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6
-61.25°	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.0	8.1	8.1
-62.5°	7.1	7.2	7.2	7.3	7.4	7.4	7.5	7.5	7.6	7.6	7.7
-63.75°	6.9	6.9	6.9	6.9	6.9	7.0	7.1	7.1	7.2	7.2	7.2
-65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-66.25°	6.8	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-67.5°	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8
-68.75°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-70°	5.6	5.6	5.7	5.8	5.8	5.8	5.9	5.9	6.0	6.0	6.0
-71.25°	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6
-72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
-76.25°	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
-77.5°	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.9
-80°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-81.25°	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
-82.5°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
-83.75°	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
78.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
76.25°	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
71.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
70°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
68.75°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
67.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
63.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
62.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
61.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
60°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
58.75°	9.0	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
57.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
56.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
55°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
53.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
52.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
51.25°	11.0	11.1	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2
50°	11.9	12.0	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.1
48.75°	13.1	13.2	13.3	13.4	13.5	13.5	13.5	13.5	13.5	13.4	13.3
47.5°	14.3	14.5	14.6	14.7	14.7	14.8	14.8	14.8	14.7	14.7	14.6
46.25°	16.4	16.7	17.0	17.2	17.3	17.4	17.4	17.4	17.3	17.2	17.0
45°	19.0	19.3	19.5	19.7	19.9	20.0	20.0	20.0	19.9	19.7	19.5
43.75°	22.6	23.1	23.6	23.9	24.2	24.3	24.4	24.3	24.2	23.9	23.6
42.5°	26.8	27.4	27.9	28.2	28.5	28.6	28.7	28.6	28.5	28.2	27.9
41.25°	32.3	33.2	33.9	34.5	34.9	35.1	35.2	35.1	34.9	34.5	33.9
40°	38.7	39.6	40.4	40.9	41.4	41.6	41.7	41.6	41.4	40.9	40.4
38.75°	47.3	48.9	50.2	51.2	52.0	52.4	52.6	52.4	52.0	51.2	50.2
37.5°	57.9	59.6	60.9	62.0	62.8	63.2	63.4	63.2	62.8	62.0	60.9
36.25°	71.6	74.4	76.7	78.5	79.8	80.5	80.8	80.5	79.8	78.5	76.7
35°	88.5	91.5	93.9	95.8	97.1	97.9	98.2	97.9	97.1	95.8	93.9



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	108.7	113.2	116.8	119.7	121.7	122.9	123.4	122.9	121.7	119.7	116.8
32.5°	133.2	137.8	141.6	144.6	146.8	148.1	148.5	148.1	146.8	144.6	141.6
31.25°	163.7	171.9	178.6	183.9	187.6	189.9	190.7	189.9	187.6	183.9	178.6
30°	204.5	213.1	220.1	225.7	229.6	232.0	232.8	232.0	229.6	225.7	220.1
28.75°	249.5	261.5	271.4	279.5	286.5	290.7	292.1	290.7	286.5	279.5	271.4
27.5°	310.3	326.1	339.7	351.0	359.2	364.1	365.7	364.1	359.2	351.0	339.7
26.25°	382.8	401.8	418.9	432.3	442.0	447.8	449.7	447.8	442.0	432.3	418.9
25°	465.1	487.0	505.1	519.3	529.5	535.6	537.7	535.6	529.5	519.3	505.1
23.75°	549.8	574.8	595.5	611.7	623.4	630.4	632.8	630.4	623.4	611.7	595.5
22.5°	640.0	666.4	688.3	705.5	717.9	725.4	727.9	725.4	717.9	705.5	688.3
21.25°	729.9	761.0	786.9	807.3	822.0	830.9	833.9	830.9	822.0	807.3	786.9
20°	829.2	862.3	889.8	911.5	927.2	936.7	939.9	936.7	927.2	911.5	889.8
18.75°	927.7	965.1	997.3	1022.8	1041.2	1052.3	1056.1	1052.3	1041.2	1022.8	997.3
17.5°	1033.4	1074.7	1109.2	1136.6	1156.6	1168.6	1172.7	1168.6	1156.6	1136.6	1109.2
16.25°	1139.4	1183.9	1221.2	1250.1	1271.0	1283.7	1288.0	1283.7	1271.0	1250.1	1221.2
15°	1244.0	1290.5	1328.8	1358.5	1380.1	1393.3	1397.7	1393.3	1380.1	1358.5	1328.8
13.75°	1343.1	1390.8	1427.5	1456.2	1477.0	1488.5	1492.4	1488.5	1477.0	1456.2	1427.5
12.5°	1432.7	1478.3	1513.4	1541.6	1560.1	1571.2	1574.9	1571.2	1560.1	1541.6	1513.4
11.25°	1510.2	1553.6	1587.2	1613.6	1631.9	1643.2	1647.0	1643.2	1631.9	1613.6	1587.2
10°	1576.3	1617.8	1651.5	1677.6	1696.5	1708.2	1712.1	1708.2	1696.5	1677.6	1651.5
8.75°	1632.8	1674.3	1708.6	1734.5	1753.7	1765.1	1768.8	1765.1	1753.7	1734.5	1708.6
7.5°	1681.8	1723.6	1757.9	1784.5	1804.0	1814.2	1817.7	1814.2	1804.0	1784.5	1757.9
6.25°	1723.6	1765.4	1800.8	1824.9	1840.5	1848.2	1850.9	1848.2	1840.5	1824.9	1800.8
5°	1757.9	1800.8	1832.3	1850.9	1860.6	1865.1	1866.7	1865.1	1860.6	1850.9	1832.3
3.75°	1784.5	1824.9	1850.9	1863.6	1867.1	1867.4	1866.3	1867.4	1867.1	1863.6	1850.9
2.5°	1804.0	1840.5	1860.6	1867.1	1865.2	1861.5	1860.3	1861.5	1865.2	1867.1	1860.6
1.25°	1814.2	1848.2	1865.1	1867.4	1861.5	1858.5	1859.4	1858.5	1861.5	1867.4	1865.1
0°	1817.7	1850.9	1866.7	1866.3	1860.3	1859.4	1864.1	1859.4	1860.3	1866.3	1866.7
-1.25°	1814.2	1848.2	1865.1	1867.4	1861.5	1858.5	1859.4	1858.5	1861.5	1867.4	1865.1
-2.5°	1804.0	1840.5	1860.6	1867.1	1865.2	1861.5	1860.3	1861.5	1865.2	1867.1	1860.6
-3.75°	1784.5	1824.9	1850.9	1863.6	1867.1	1867.4	1866.3	1867.4	1867.1	1863.6	1850.9
-5°	1757.9	1800.8	1832.3	1850.9	1860.6	1865.1	1866.7	1865.1	1860.6	1850.9	1832.3
-6.25°	1723.6	1765.4	1800.8	1824.9	1840.5	1848.2	1850.9	1848.2	1840.5	1824.9	1800.8
-7.5°	1681.8	1723.6	1757.9	1784.5	1804.0	1814.2	1817.7	1814.2	1804.0	1784.5	1757.9
-8.75°	1632.8	1674.3	1708.6	1734.5	1753.7	1765.1	1768.8	1765.1	1753.7	1734.5	1708.6
-10°	1576.3	1617.8	1651.5	1677.6	1696.5	1708.2	1712.1	1708.2	1696.5	1677.6	1651.5
-11.25°	1510.2	1553.6	1587.2	1613.6	1631.9	1643.2	1647.0	1643.2	1631.9	1613.6	1587.2
-12.5°	1432.7	1478.3	1513.4	1541.6	1560.1	1571.2	1574.9	1571.2	1560.1	1541.6	1513.4
-13.75°	1343.1	1390.8	1427.5	1456.2	1477.0	1488.5	1492.4	1488.5	1477.0	1456.2	1427.5
-15°	1244.0	1290.5	1328.8	1358.5	1380.1	1393.3	1397.7	1393.3	1380.1	1358.5	1328.8
-16.25°	1139.4	1183.9	1221.2	1250.1	1271.0	1283.7	1288.0	1283.7	1271.0	1250.1	1221.2
-17.5°	1033.4	1074.7	1109.2	1136.6	1156.6	1168.6	1172.7	1168.6	1156.6	1136.6	1109.2
-18.75°	927.7	965.1	997.3	1022.8	1041.2	1052.3	1056.1	1052.3	1041.2	1022.8	997.3
-20°	829.2	862.3	889.8	911.5	927.2	936.7	939.9	936.7	927.2	911.5	889.8
-21.25°	729.9	761.0	786.9	807.3	822.0	830.9	833.9	830.9	822.0	807.3	786.9





REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	640.0	666.4	688.3	705.5	717.9	725.4	727.9	725.4	717.9	705.5	688.3
-23.75°	549.8	574.8	595.5	611.7	623.4	630.4	632.8	630.4	623.4	611.7	595.5
-25°	465.1	487.0	505.1	519.3	529.5	535.6	537.7	535.6	529.5	519.3	505.1
-26.25°	382.8	401.8	418.9	432.3	442.0	447.8	449.7	447.8	442.0	432.3	418.9
-27.5°	310.3	326.1	339.7	351.0	359.2	364.1	365.7	364.1	359.2	351.0	339.7
-28.75°	249.5	261.5	271.4	279.5	286.5	290.7	292.1	290.7	286.5	279.5	271.4
-30°	204.5	213.1	220.1	225.7	229.6	232.0	232.8	232.0	229.6	225.7	220.1
-31.25°	163.7	171.9	178.6	183.9	187.6	189.9	190.7	189.9	187.6	183.9	178.6
-32.5°	133.2	137.8	141.6	144.6	146.8	148.1	148.5	148.1	146.8	144.6	141.6
-33.75°	108.7	113.2	116.8	119.7	121.7	122.9	123.4	122.9	121.7	119.7	116.8
-35°	88.5	91.5	93.9	95.8	97.1	97.9	98.2	97.9	97.1	95.8	93.9
-36.25°	71.6	74.4	76.7	78.5	79.8	80.5	80.8	80.5	79.8	78.5	76.7
-37.5°	57.9	59.6	60.9	62.0	62.8	63.2	63.4	63.2	62.8	62.0	60.9
-38.75°	47.3	48.9	50.2	51.2	52.0	52.4	52.6	52.4	52.0	51.2	50.2
-40°	38.7	39.6	40.4	40.9	41.4	41.6	41.7	41.6	41.4	40.9	40.4
-41.25°	32.3	33.2	33.9	34.5	34.9	35.1	35.2	35.1	34.9	34.5	33.9
-42.5°	26.8	27.4	27.9	28.2	28.5	28.6	28.7	28.6	28.5	28.2	27.9
-43.75°	22.6	23.1	23.6	23.9	24.2	24.3	24.4	24.3	24.2	23.9	23.6
-45°	19.0	19.3	19.5	19.7	19.9	20.0	20.0	20.0	19.9	19.7	19.5
-46.25°	16.4	16.7	17.0	17.2	17.3	17.4	17.4	17.4	17.3	17.2	17.0
-47.5°	14.3	14.5	14.6	14.7	14.7	14.8	14.8	14.8	14.7	14.7	14.6
-48.75°	13.1	13.2	13.3	13.4	13.5	13.5	13.5	13.5	13.5	13.4	13.3
-50°	11.9	12.0	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.1	12.1
-51.25°	11.0	11.1	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2
-52.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-53.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-55°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-56.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-57.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-58.75°	9.0	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
-60°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-61.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
-62.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
-63.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
-65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-67.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-68.75°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-70°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-71.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
-72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7
-77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3



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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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
-82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
82.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
80°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
78.75°	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
77.5°	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1
76.25°	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.5
75°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
71.25°	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
70°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.7
68.75°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
67.5°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.5
66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
63.75°	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.9	6.9
62.5°	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2
61.25°	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.7	7.7
60°	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2	8.2	8.1
58.75°	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6	8.5
57.5°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
56.25°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.5	9.4	9.3
55°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
53.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1
52.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
51.25°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.4	10.4	10.4	10.4
50°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.0	10.8	10.6	10.4
48.75°	13.2	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.2
47.5°	14.5	14.3	14.2	14.0	13.8	13.5	13.3	13.0	12.7	12.3	12.0
46.25°	16.7	16.4	16.1	15.7	15.2	14.8	14.5	14.2	13.9	13.5	13.1
45°	19.3	19.0	18.6	18.2	17.7	17.2	16.6	16.0	15.3	14.7	14.3
43.75°	23.1	22.6	21.9	21.2	20.4	19.7	19.1	18.4	17.7	17.0	16.2
42.5°	27.4	26.8	26.2	25.4	24.6	23.6	22.6	21.4	20.2	19.3	18.5
41.25°	33.2	32.3	31.3	30.1	28.8	27.7	26.7	25.5	24.2	22.8	21.4
40°	39.6	38.7	37.6	36.4	35.0	33.4	31.7	29.9	28.2	26.7	25.2
38.75°	48.9	47.3	45.4	43.2	41.2	39.6	37.8	35.9	33.8	31.6	29.2
37.5°	59.6	57.9	55.9	53.7	51.1	48.3	45.3	41.9	39.7	37.4	34.9
36.25°	74.4	71.6	68.3	64.5	61.4	58.5	55.3	51.8	48.1	44.1	40.6
35°	91.5	88.5	85.1	81.2	76.7	71.8	66.5	61.7	57.8	53.6	49.2



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**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	113.2	108.7	103.5	97.8	93.1	88.0	82.4	76.4	69.9	63.1	58.5
32.5°	137.8	133.2	127.7	121.5	114.5	106.8	98.3	92.0	85.2	78.0	70.4
31.25°	171.9	163.7	154.2	145.4	138.0	130.0	121.2	111.6	101.4	92.9	85.0
30°	213.1	204.5	194.5	183.1	170.2	156.1	143.8	133.9	123.3	112.0	100.0
28.75°	261.5	249.5	235.4	222.7	209.3	194.5	178.4	161.0	144.9	133.1	120.7
27.5°	326.1	310.3	291.8	272.2	253.4	232.6	215.8	197.7	178.3	157.8	141.1
26.25°	401.8	382.8	361.2	336.7	311.8	284.6	259.7	234.3	213.7	192.3	169.8
25°	487.0	465.1	439.6	410.6	380.4	348.8	316.5	283.4	254.1	226.4	203.0
23.75°	574.8	549.8	522.0	491.5	457.5	420.3	381.8	343.4	305.7	269.1	236.5
22.5°	666.4	640.0	609.3	574.5	536.0	496.8	454.6	409.4	365.4	321.9	279.5
21.25°	761.0	729.9	697.2	660.5	619.7	575.3	528.1	480.7	430.7	380.2	331.6
20°	862.3	829.2	790.8	747.5	702.5	655.7	605.4	551.8	498.4	443.6	387.7
18.75°	965.1	927.7	886.9	841.1	790.5	735.6	681.9	625.8	566.7	507.4	447.9
17.5°	1074.7	1033.4	986.0	933.3	879.8	821.9	760.0	697.9	636.1	571.7	507.4
16.25°	1183.9	1139.4	1088.6	1031.9	969.9	906.1	841.0	772.3	703.2	636.1	566.7
15°	1290.5	1244.0	1190.1	1129.2	1063.3	992.5	919.4	847.4	772.3	697.9	625.8
13.75°	1390.8	1343.1	1287.8	1224.6	1154.2	1079.2	1000.2	919.4	841.0	760.0	681.9
12.5°	1478.3	1432.7	1378.7	1314.5	1241.8	1162.7	1079.2	992.5	906.1	821.9	735.6
11.25°	1553.6	1510.2	1458.2	1396.9	1323.1	1241.8	1154.2	1063.3	969.9	879.8	790.5
10°	1617.8	1576.3	1526.5	1466.8	1396.9	1314.5	1224.6	1129.2	1031.9	933.3	841.1
8.75°	1674.3	1632.8	1584.0	1526.5	1458.2	1378.7	1287.8	1190.1	1088.6	986.0	886.9
7.5°	1723.6	1681.8	1632.8	1576.3	1510.2	1432.7	1343.1	1244.0	1139.4	1033.4	927.7
6.25°	1765.4	1723.6	1674.3	1617.8	1553.6	1478.3	1390.8	1290.5	1183.9	1074.7	965.1
5°	1800.8	1757.9	1708.6	1651.5	1587.2	1513.4	1427.5	1328.8	1221.2	1109.2	997.3
3.75°	1824.9	1784.5	1734.5	1677.6	1613.6	1541.6	1456.2	1358.5	1250.1	1136.6	1022.8
2.5°	1840.5	1804.0	1753.7	1696.5	1631.9	1560.1	1477.0	1380.1	1271.0	1156.6	1041.2
1.25°	1848.2	1814.2	1765.1	1708.2	1643.2	1571.2	1488.5	1393.3	1283.7	1168.6	1052.3
0°	1850.9	1817.7	1768.8	1712.1	1647.0	1574.9	1492.4	1397.7	1288.0	1172.7	1056.1
-1.25°	1848.2	1814.2	1765.1	1708.2	1643.2	1571.2	1488.5	1393.3	1283.7	1168.6	1052.3
-2.5°	1840.5	1804.0	1753.7	1696.5	1631.9	1560.1	1477.0	1380.1	1271.0	1156.6	1041.2
-3.75°	1824.9	1784.5	1734.5	1677.6	1613.6	1541.6	1456.2	1358.5	1250.1	1136.6	1022.8
-5°	1800.8	1757.9	1708.6	1651.5	1587.2	1513.4	1427.5	1328.8	1221.2	1109.2	997.3
-6.25°	1765.4	1723.6	1674.3	1617.8	1553.6	1478.3	1390.8	1290.5	1183.9	1074.7	965.1
-7.5°	1723.6	1681.8	1632.8	1576.3	1510.2	1432.7	1343.1	1244.0	1139.4	1033.4	927.7
-8.75°	1674.3	1632.8	1584.0	1526.5	1458.2	1378.7	1287.8	1190.1	1088.6	986.0	886.9
-10°	1617.8	1576.3	1526.5	1466.8	1396.9	1314.5	1224.6	1129.2	1031.9	933.3	841.1
-11.25°	1553.6	1510.2	1458.2	1396.9	1323.1	1241.8	1154.2	1063.3	969.9	879.8	790.5
-12.5°	1478.3	1432.7	1378.7	1314.5	1241.8	1162.7	1079.2	992.5	906.1	821.9	735.6
-13.75°	1390.8	1343.1	1287.8	1224.6	1154.2	1079.2	1000.2	919.4	841.0	760.0	681.9
-15°	1290.5	1244.0	1190.1	1129.2	1063.3	992.5	919.4	847.4	772.3	697.9	625.8
-16.25°	1183.9	1139.4	1088.6	1031.9	969.9	906.1	841.0	772.3	703.2	636.1	566.7
-17.5°	1074.7	1033.4	986.0	933.3	879.8	821.9	760.0	697.9	636.1	571.7	507.4
-18.75°	965.1	927.7	886.9	841.1	790.5	735.6	681.9	625.8	566.7	507.4	447.9
-20°	862.3	829.2	790.8	747.5	702.5	655.7	605.4	551.8	498.4	443.6	387.7
-21.25°	761.0	729.9	697.2	660.5	619.7	575.3	528.1	480.7	430.7	380.2	331.6



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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°	666.4	640.0	609.3	574.5	536.0	496.8	454.6	409.4	365.4	321.9	279.5
-23.75°	574.8	549.8	522.0	491.5	457.5	420.3	381.8	343.4	305.7	269.1	236.5
-25°	487.0	465.1	439.6	410.6	380.4	348.8	316.5	283.4	254.1	226.4	203.0
-26.25°	401.8	382.8	361.2	336.7	311.8	284.6	259.7	234.3	213.7	192.3	169.8
-27.5°	326.1	310.3	291.8	272.2	253.4	232.6	215.8	197.7	178.3	157.8	141.1
-28.75°	261.5	249.5	235.4	222.7	209.3	194.5	178.4	161.0	144.9	133.1	120.7
-30°	213.1	204.5	194.5	183.1	170.2	156.1	143.8	133.9	123.3	112.0	100.0
-31.25°	171.9	163.7	154.2	145.4	138.0	130.0	121.2	111.6	101.4	92.9	85.0
-32.5°	137.8	133.2	127.7	121.5	114.5	106.8	98.3	92.0	85.2	78.0	70.4
-33.75°	113.2	108.7	103.5	97.8	93.1	88.0	82.4	76.4	69.9	63.1	58.5
-35°	91.5	88.5	85.1	81.2	76.7	71.8	66.5	61.7	57.8	53.6	49.2
-36.25°	74.4	71.6	68.3	64.5	61.4	58.5	55.3	51.8	48.1	44.1	40.6
-37.5°	59.6	57.9	55.9	53.7	51.1	48.3	45.3	41.9	39.7	37.4	34.9
-38.75°	48.9	47.3	45.4	43.2	41.2	39.6	37.8	35.9	33.8	31.6	29.2
-40°	39.6	38.7	37.6	36.4	35.0	33.4	31.7	29.9	28.2	26.7	25.2
-41.25°	33.2	32.3	31.3	30.1	28.8	27.7	26.7	25.5	24.2	22.8	21.4
-42.5°	27.4	26.8	26.2	25.4	24.6	23.6	22.6	21.4	20.2	19.3	18.5
-43.75°	23.1	22.6	21.9	21.2	20.4	19.7	19.1	18.4	17.7	17.0	16.2
-45°	19.3	19.0	18.6	18.2	17.7	17.2	16.6	16.0	15.3	14.7	14.3
-46.25°	16.7	16.4	16.1	15.7	15.2	14.8	14.5	14.2	13.9	13.5	13.1
-47.5°	14.5	14.3	14.2	14.0	13.8	13.5	13.3	13.0	12.7	12.3	12.0
-48.75°	13.2	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.7	11.5	11.2
-50°	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.0	10.8	10.6	10.4
-51.25°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.4	10.4	10.4	10.4
-52.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-53.75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1
-55°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
-56.25°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.5	9.4	9.3
-57.5°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
-58.75°	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6	8.5
-60°	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2	8.2	8.1
-61.25°	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.7	7.7
-62.5°	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.2
-63.75°	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.9	6.9
-65°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-67.5°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.5
-68.75°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-70°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.7
-71.25°	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
-72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
-76.25°	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.5
-77.5°	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7
-80°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
-82.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
-86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
85°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
83.75°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
82.5°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
81.25°	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
80°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
78.75°	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3
77.5°	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7
76.25°	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0
75°	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.3
73.75°	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1
71.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.2	5.2	5.2
68.75°	6.1	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3
67.5°	6.4	6.4	6.3	6.3	6.2	6.1	6.0	6.0	5.9	5.8	5.7
66.25°	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0
65°	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4
63.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7
62.5°	7.2	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
61.25°	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.9	6.9	6.9
60°	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9
58.75°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.2
57.5°	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.7	7.6
56.25°	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3	8.1	8.0
55°	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.8	8.6	8.5	8.3
53.75°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.1	9.0	8.8	8.7
52.5°	10.4	10.3	10.2	10.0	9.9	9.8	9.7	9.5	9.4	9.2	9.0
51.25°	10.4	10.4	10.4	10.4	10.3	10.1	10.0	9.9	9.7	9.5	9.4
50°	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.0	9.9	9.7
48.75°	11.0	10.7	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.0
47.5°	11.8	11.5	11.2	10.9	10.6	10.4	10.4	10.4	10.4	10.4	10.3
46.25°	12.7	12.3	12.0	11.7	11.3	11.0	10.6	10.4	10.4	10.4	10.4
45°	13.9	13.5	13.0	12.5	12.1	11.7	11.4	11.0	10.6	10.4	10.4
43.75°	15.3	14.6	14.1	13.6	13.1	12.6	12.1	11.7	11.3	10.9	10.4
42.5°	17.6	16.7	15.7	14.7	14.2	13.7	13.1	12.5	12.0	11.5	11.1
41.25°	19.9	18.9	17.9	16.8	15.7	14.7	14.1	13.5	12.9	12.2	11.7
40°	23.6	21.9	20.2	19.0	17.9	16.7	15.4	14.5	13.8	13.1	12.5
38.75°	27.4	25.7	23.8	21.9	20.0	18.7	17.4	16.1	14.8	14.1	13.4
37.5°	32.4	29.6	27.4	25.4	23.4	21.3	19.4	18.1	16.7	15.2	14.3
36.25°	37.9	35.1	32.2	29.1	26.8	24.6	22.3	20.0	18.5	17.1	15.5
35°	44.6	40.5	37.5	34.3	31.0	27.9	25.6	23.1	20.6	18.9	17.3



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	53.7	48.6	43.4	39.4	36.0	32.5	28.8	26.3	23.7	21.1	19.0
32.5°	62.7	57.5	52.0	46.3	40.9	37.3	33.5	29.6	26.7	24.0	21.2
31.25°	76.6	67.9	60.5	54.6	48.5	42.2	38.1	34.2	30.1	26.8	24.0
30°	90.8	81.7	72.3	62.9	56.5	50.0	43.4	38.6	34.4	30.1	26.7
28.75°	107.7	95.4	85.6	75.5	65.0	57.7	50.8	43.7	38.6	34.2	29.6
27.5°	127.6	113.5	98.9	88.2	77.4	66.3	58.1	50.8	43.4	38.1	33.5
26.25°	147.2	132.6	117.4	101.8	89.5	78.0	66.3	57.7	50.0	42.2	37.3
25°	178.6	153.2	135.6	119.4	102.7	89.5	77.4	65.0	56.5	48.5	40.9
23.75°	210.2	183.8	156.6	136.6	119.4	101.8	88.2	75.5	62.9	54.6	46.3
22.5°	243.9	213.8	185.6	156.6	135.6	117.4	98.9	85.6	72.3	60.5	52.0
21.25°	285.9	246.4	213.8	183.8	153.2	132.6	113.5	95.4	81.7	67.9	57.5
20°	335.0	285.9	243.9	210.2	178.6	147.2	127.6	107.7	90.8	76.6	62.7
18.75°	387.7	331.6	279.5	236.5	203.0	169.8	141.1	120.7	100.0	85.0	70.4
17.5°	443.6	380.2	321.9	269.1	226.4	192.3	157.8	133.1	112.0	92.9	78.0
16.25°	498.4	430.7	365.4	305.7	254.1	213.7	178.3	144.9	123.3	101.4	85.2
15°	551.8	480.7	409.4	343.4	283.4	234.3	197.7	161.0	133.9	111.6	92.0
13.75°	605.4	528.1	454.6	381.8	316.5	259.7	215.8	178.4	143.8	121.2	98.3
12.5°	655.7	575.3	496.8	420.3	348.8	284.6	232.6	194.5	156.1	130.0	106.8
11.25°	702.5	619.7	536.0	457.5	380.4	311.8	253.4	209.3	170.2	138.0	114.5
10°	747.5	660.5	574.5	491.5	410.6	336.7	272.2	222.7	183.1	145.4	121.5
8.75°	790.8	697.2	609.3	522.0	439.6	361.2	291.8	235.4	194.5	154.2	127.7
7.5°	829.2	729.9	640.0	549.8	465.1	382.8	310.3	249.5	204.5	163.7	133.2
6.25°	862.3	761.0	666.4	574.8	487.0	401.8	326.1	261.5	213.1	171.9	137.8
5°	889.8	786.9	688.3	595.5	505.1	418.9	339.7	271.4	220.1	178.6	141.6
3.75°	911.5	807.3	705.5	611.7	519.3	432.3	351.0	279.5	225.7	183.9	144.6
2.5°	927.2	822.0	717.9	623.4	529.5	442.0	359.2	286.5	229.6	187.6	146.8
1.25°	936.7	830.9	725.4	630.4	535.6	447.8	364.1	290.7	232.0	189.9	148.1
0°	939.9	833.9	727.9	632.8	537.7	449.7	365.7	292.1	232.8	190.7	148.5
-1.25°	936.7	830.9	725.4	630.4	535.6	447.8	364.1	290.7	232.0	189.9	148.1
-2.5°	927.2	822.0	717.9	623.4	529.5	442.0	359.2	286.5	229.6	187.6	146.8
-3.75°	911.5	807.3	705.5	611.7	519.3	432.3	351.0	279.5	225.7	183.9	144.6
-5°	889.8	786.9	688.3	595.5	505.1	418.9	339.7	271.4	220.1	178.6	141.6
-6.25°	862.3	761.0	666.4	574.8	487.0	401.8	326.1	261.5	213.1	171.9	137.8
-7.5°	829.2	729.9	640.0	549.8	465.1	382.8	310.3	249.5	204.5	163.7	133.2
-8.75°	790.8	697.2	609.3	522.0	439.6	361.2	291.8	235.4	194.5	154.2	127.7
-10°	747.5	660.5	574.5	491.5	410.6	336.7	272.2	222.7	183.1	145.4	121.5
-11.25°	702.5	619.7	536.0	457.5	380.4	311.8	253.4	209.3	170.2	138.0	114.5
-12.5°	655.7	575.3	496.8	420.3	348.8	284.6	232.6	194.5	156.1	130.0	106.8
-13.75°	605.4	528.1	454.6	381.8	316.5	259.7	215.8	178.4	143.8	121.2	98.3
-15°	551.8	480.7	409.4	343.4	283.4	234.3	197.7	161.0	133.9	111.6	92.0
-16.25°	498.4	430.7	365.4	305.7	254.1	213.7	178.3	144.9	123.3	101.4	85.2
-17.5°	443.6	380.2	321.9	269.1	226.4	192.3	157.8	133.1	112.0	92.9	78.0
-18.75°	387.7	331.6	279.5	236.5	203.0	169.8	141.1	120.7	100.0	85.0	70.4
-20°	335.0	285.9	243.9	210.2	178.6	147.2	127.6	107.7	90.8	76.6	62.7
-21.25°	285.9	246.4	213.8	183.8	153.2	132.6	113.5	95.4	81.7	67.9	57.5





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**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	243.9	213.8	185.6	156.6	135.6	117.4	98.9	85.6	72.3	60.5	52.0
-23.75°	210.2	183.8	156.6	136.6	119.4	101.8	88.2	75.5	62.9	54.6	46.3
-25°	178.6	153.2	135.6	119.4	102.7	89.5	77.4	65.0	56.5	48.5	40.9
-26.25°	147.2	132.6	117.4	101.8	89.5	78.0	66.3	57.7	50.0	42.2	37.3
-27.5°	127.6	113.5	98.9	88.2	77.4	66.3	58.1	50.8	43.4	38.1	33.5
-28.75°	107.7	95.4	85.6	75.5	65.0	57.7	50.8	43.7	38.6	34.2	29.6
-30°	90.8	81.7	72.3	62.9	56.5	50.0	43.4	38.6	34.4	30.1	26.7
-31.25°	76.6	67.9	60.5	54.6	48.5	42.2	38.1	34.2	30.1	26.8	24.0
-32.5°	62.7	57.5	52.0	46.3	40.9	37.3	33.5	29.6	26.7	24.0	21.2
-33.75°	53.7	48.6	43.4	39.4	36.0	32.5	28.8	26.3	23.7	21.1	19.0
-35°	44.6	40.5	37.5	34.3	31.0	27.9	25.6	23.1	20.6	18.9	17.3
-36.25°	37.9	35.1	32.2	29.1	26.8	24.6	22.3	20.0	18.5	17.1	15.5
-37.5°	32.4	29.6	27.4	25.4	23.4	21.3	19.4	18.1	16.7	15.2	14.3
-38.75°	27.4	25.7	23.8	21.9	20.0	18.7	17.4	16.1	14.8	14.1	13.4
-40°	23.6	21.9	20.2	19.0	17.9	16.7	15.4	14.5	13.8	13.1	12.5
-41.25°	19.9	18.9	17.9	16.8	15.7	14.7	14.1	13.5	12.9	12.2	11.7
-42.5°	17.6	16.7	15.7	14.7	14.2	13.7	13.1	12.5	12.0	11.5	11.1
-43.75°	15.3	14.6	14.1	13.6	13.1	12.6	12.1	11.7	11.3	10.9	10.4
-45°	13.9	13.5	13.0	12.5	12.1	11.7	11.4	11.0	10.6	10.4	10.4
-46.25°	12.7	12.3	12.0	11.7	11.3	11.0	10.6	10.4	10.4	10.4	10.4
-47.5°	11.8	11.5	11.2	10.9	10.6	10.4	10.4	10.4	10.4	10.4	10.3
-48.75°	11.0	10.7	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.0
-50°	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.0	9.9	9.7
-51.25°	10.4	10.4	10.4	10.4	10.3	10.1	10.0	9.9	9.7	9.5	9.4
-52.5°	10.4	10.3	10.2	10.0	9.9	9.8	9.7	9.5	9.4	9.2	9.0
-53.75°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.1	9.0	8.8	8.7
-55°	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.8	8.6	8.5	8.3
-56.25°	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4	8.3	8.1	8.0
-57.5°	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.7	7.6
-58.75°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.2
-60°	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.1	7.0	6.9
-61.25°	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.9	6.9	6.9
-62.5°	7.2	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-63.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7
-65°	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4
-66.25°	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0
-67.5°	6.4	6.4	6.3	6.3	6.2	6.1	6.0	6.0	5.9	5.8	5.7
-68.75°	6.1	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3
-70°	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.2	5.2	5.2
-71.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1
-73.75°	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
-75°	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.3
-76.25°	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0
-77.5°	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7	3.7



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3
-80°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
-81.25°	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
-82.5°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-83.75°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
-85°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
86.25°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9
85°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2
83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
82.5°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
81.25°	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1
80°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4
78.75°	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8	2.7
77.5°	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0
76.25°	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
75°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6
73.75°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9
72.5°	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
71.25°	5.2	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
70°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.8	4.7
68.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.0
67.5°	5.6	5.5	5.4	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
66.25°	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.2	5.2	5.2	5.2
65°	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.2	5.2
63.75°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.3
62.5°	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8	5.6
61.25°	6.9	6.9	6.9	6.9	6.8	6.6	6.5	6.3	6.2	6.1	5.9
60°	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.6	6.5	6.3	6.2
58.75°	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.4
57.5°	7.5	7.3	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.8	6.7
56.25°	7.8	7.6	7.5	7.3	7.1	7.0	6.9	6.9	6.9	6.9	6.9
55°	8.2	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.9	6.9	6.9
53.75°	8.5	8.3	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.9
52.5°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9
51.25°	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.1
50°	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4
48.75°	9.8	9.7	9.5	9.3	9.0	8.8	8.6	8.4	8.1	7.9	7.7
47.5°	10.1	10.0	9.8	9.6	9.3	9.1	8.9	8.7	8.4	8.2	7.9
46.25°	10.4	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.2
45°	10.4	10.4	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7	8.4
43.75°	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2	9.0	8.7
42.5°	10.6	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2	8.9
41.25°	11.3	10.8	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2
40°	11.9	11.4	10.9	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.4
38.75°	12.6	12.0	11.5	10.9	10.4	10.4	10.4	10.4	10.2	9.9	9.6
37.5°	13.5	12.8	12.0	11.5	10.9	10.4	10.4	10.4	10.4	10.1	9.8
36.25°	14.4	13.6	12.8	12.0	11.5	10.9	10.4	10.4	10.4	10.3	10.0
35°	15.7	14.4	13.6	12.8	12.0	11.4	10.8	10.4	10.4	10.4	10.2



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	17.4	15.7	14.4	13.5	12.6	11.9	11.3	10.6	10.4	10.4	10.4
32.5°	19.0	17.3	15.5	14.3	13.4	12.5	11.7	11.1	10.4	10.4	10.4
31.25°	21.1	18.9	17.1	15.2	14.1	13.1	12.2	11.5	10.9	10.4	10.4
30°	23.7	20.6	18.5	16.7	14.8	13.8	12.9	12.0	11.3	10.6	10.4
28.75°	26.3	23.1	20.0	18.1	16.1	14.5	13.5	12.5	11.7	11.0	10.4
27.5°	28.8	25.6	22.3	19.4	17.4	15.4	14.1	13.1	12.1	11.4	10.6
26.25°	32.5	27.9	24.6	21.3	18.7	16.7	14.7	13.7	12.6	11.7	11.0
25°	36.0	31.0	26.8	23.4	20.0	17.9	15.7	14.2	13.1	12.1	11.3
23.75°	39.4	34.3	29.1	25.4	21.9	19.0	16.8	14.7	13.6	12.5	11.7
22.5°	43.4	37.5	32.2	27.4	23.8	20.2	17.9	15.7	14.1	13.0	12.0
21.25°	48.6	40.5	35.1	29.6	25.7	21.9	18.9	16.7	14.6	13.5	12.3
20°	53.7	44.6	37.9	32.4	27.4	23.6	19.9	17.6	15.3	13.9	12.7
18.75°	58.5	49.2	40.6	34.9	29.2	25.2	21.4	18.5	16.2	14.3	13.1
17.5°	63.1	53.6	44.1	37.4	31.6	26.7	22.8	19.3	17.0	14.7	13.5
16.25°	69.9	57.8	48.1	39.7	33.8	28.2	24.2	20.2	17.7	15.3	13.9
15°	76.4	61.7	51.8	41.9	35.9	29.9	25.5	21.4	18.4	16.0	14.2
13.75°	82.4	66.5	55.3	45.3	37.8	31.7	26.7	22.6	19.1	16.6	14.5
12.5°	88.0	71.8	58.5	48.3	39.6	33.4	27.7	23.6	19.7	17.2	14.8
11.25°	93.1	76.7	61.4	51.1	41.2	35.0	28.8	24.6	20.4	17.7	15.2
10°	97.8	81.2	64.5	53.7	43.2	36.4	30.1	25.4	21.2	18.2	15.7
8.75°	103.5	85.1	68.3	55.9	45.4	37.6	31.3	26.2	21.9	18.6	16.1
7.5°	108.7	88.5	71.6	57.9	47.3	38.7	32.3	26.8	22.6	19.0	16.4
6.25°	113.2	91.5	74.4	59.6	48.9	39.6	33.2	27.4	23.1	19.3	16.7
5°	116.8	93.9	76.7	60.9	50.2	40.4	33.9	27.9	23.6	19.5	17.0
3.75°	119.7	95.8	78.5	62.0	51.2	40.9	34.5	28.2	23.9	19.7	17.2
2.5°	121.7	97.1	79.8	62.8	52.0	41.4	34.9	28.5	24.2	19.9	17.3
1.25°	122.9	97.9	80.5	63.2	52.4	41.6	35.1	28.6	24.3	20.0	17.4
0°	123.4	98.2	80.8	63.4	52.6	41.7	35.2	28.7	24.4	20.0	17.4
-1.25°	122.9	97.9	80.5	63.2	52.4	41.6	35.1	28.6	24.3	20.0	17.4
-2.5°	121.7	97.1	79.8	62.8	52.0	41.4	34.9	28.5	24.2	19.9	17.3
-3.75°	119.7	95.8	78.5	62.0	51.2	40.9	34.5	28.2	23.9	19.7	17.2
-5°	116.8	93.9	76.7	60.9	50.2	40.4	33.9	27.9	23.6	19.5	17.0
-6.25°	113.2	91.5	74.4	59.6	48.9	39.6	33.2	27.4	23.1	19.3	16.7
-7.5°	108.7	88.5	71.6	57.9	47.3	38.7	32.3	26.8	22.6	19.0	16.4
-8.75°	103.5	85.1	68.3	55.9	45.4	37.6	31.3	26.2	21.9	18.6	16.1
-10°	97.8	81.2	64.5	53.7	43.2	36.4	30.1	25.4	21.2	18.2	15.7
-11.25°	93.1	76.7	61.4	51.1	41.2	35.0	28.8	24.6	20.4	17.7	15.2
-12.5°	88.0	71.8	58.5	48.3	39.6	33.4	27.7	23.6	19.7	17.2	14.8
-13.75°	82.4	66.5	55.3	45.3	37.8	31.7	26.7	22.6	19.1	16.6	14.5
-15°	76.4	61.7	51.8	41.9	35.9	29.9	25.5	21.4	18.4	16.0	14.2
-16.25°	69.9	57.8	48.1	39.7	33.8	28.2	24.2	20.2	17.7	15.3	13.9
-17.5°	63.1	53.6	44.1	37.4	31.6	26.7	22.8	19.3	17.0	14.7	13.5
-18.75°	58.5	49.2	40.6	34.9	29.2	25.2	21.4	18.5	16.2	14.3	13.1
-20°	53.7	44.6	37.9	32.4	27.4	23.6	19.9	17.6	15.3	13.9	12.7
-21.25°	48.6	40.5	35.1	29.6	25.7	21.9	18.9	16.7	14.6	13.5	12.3



REPORT NUMBER: P220323 (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°	43.4	37.5	32.2	27.4	23.8	20.2	17.9	15.7	14.1	13.0	12.0
-23.75°	39.4	34.3	29.1	25.4	21.9	19.0	16.8	14.7	13.6	12.5	11.7
-25°	36.0	31.0	26.8	23.4	20.0	17.9	15.7	14.2	13.1	12.1	11.3
-26.25°	32.5	27.9	24.6	21.3	18.7	16.7	14.7	13.7	12.6	11.7	11.0
-27.5°	28.8	25.6	22.3	19.4	17.4	15.4	14.1	13.1	12.1	11.4	10.6
-28.75°	26.3	23.1	20.0	18.1	16.1	14.5	13.5	12.5	11.7	11.0	10.4
-30°	23.7	20.6	18.5	16.7	14.8	13.8	12.9	12.0	11.3	10.6	10.4
-31.25°	21.1	18.9	17.1	15.2	14.1	13.1	12.2	11.5	10.9	10.4	10.4
-32.5°	19.0	17.3	15.5	14.3	13.4	12.5	11.7	11.1	10.4	10.4	10.4
-33.75°	17.4	15.7	14.4	13.5	12.6	11.9	11.3	10.6	10.4	10.4	10.4
-35°	15.7	14.4	13.6	12.8	12.0	11.4	10.8	10.4	10.4	10.4	10.2
-36.25°	14.4	13.6	12.8	12.0	11.5	10.9	10.4	10.4	10.4	10.3	10.0
-37.5°	13.5	12.8	12.0	11.5	10.9	10.4	10.4	10.4	10.4	10.1	9.8
-38.75°	12.6	12.0	11.5	10.9	10.4	10.4	10.4	10.4	10.2	9.9	9.6
-40°	11.9	11.4	10.9	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.4
-41.25°	11.3	10.8	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2
-42.5°	10.6	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2	8.9
-43.75°	10.4	10.4	10.4	10.4	10.2	10.0	9.7	9.5	9.2	9.0	8.7
-45°	10.4	10.4	10.3	10.1	9.9	9.7	9.5	9.2	9.0	8.7	8.4
-46.25°	10.4	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.2
-47.5°	10.1	10.0	9.8	9.6	9.3	9.1	8.9	8.7	8.4	8.2	7.9
-48.75°	9.8	9.7	9.5	9.3	9.0	8.8	8.6	8.4	8.1	7.9	7.7
-50°	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4
-51.25°	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.1
-52.5°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9
-53.75°	8.5	8.3	8.2	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.9
-55°	8.2	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.9	6.9	6.9
-56.25°	7.8	7.6	7.5	7.3	7.1	7.0	6.9	6.9	6.9	6.9	6.9
-57.5°	7.5	7.3	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.8	6.7
-58.75°	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.4
-60°	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.6	6.5	6.3	6.2
-61.25°	6.9	6.9	6.9	6.9	6.8	6.6	6.5	6.3	6.2	6.1	5.9
-62.5°	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8	5.6
-63.75°	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.3
-65°	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.2	5.2
-66.25°	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.2	5.2	5.2	5.2
-67.5°	5.6	5.5	5.4	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-68.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.0
-70°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.8	4.7
-71.25°	5.2	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-72.5°	5.0	4.9	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
-73.75°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9
-75°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6
-76.25°	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
-77.5°	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8	2.7
-80°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4
-81.25°	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1
-82.5°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
-83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
-85°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2
-86.25°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
-88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	10.1	9.8	9.5	9.2	8.8	8.5	8.2	7.8	7.5	7.1	6.9
32.5°	10.3	10.0	9.7	9.4	9.0	8.7	8.3	8.0	7.6	7.2	6.9
31.25°	10.4	10.2	9.9	9.5	9.2	8.8	8.5	8.1	7.7	7.4	7.0
30°	10.4	10.3	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.5	7.1
28.75°	10.4	10.4	10.2	9.9	9.5	9.1	8.8	8.4	8.0	7.6	7.3
27.5°	10.4	10.4	10.3	10.0	9.7	9.3	8.9	8.5	8.1	7.8	7.4
26.25°	10.4	10.4	10.4	10.1	9.8	9.4	9.0	8.7	8.3	7.9	7.5
25°	10.6	10.4	10.4	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.6
23.75°	10.9	10.4	10.4	10.4	10.0	9.7	9.3	8.9	8.5	8.1	7.7
22.5°	11.2	10.4	10.4	10.4	10.2	9.8	9.4	9.0	8.6	8.2	7.8
21.25°	11.5	10.7	10.4	10.4	10.3	9.9	9.5	9.1	8.7	8.3	7.9
20°	11.8	11.0	10.4	10.4	10.4	10.0	9.6	9.2	8.8	8.4	8.0
18.75°	12.0	11.2	10.4	10.4	10.4	10.1	9.7	9.3	8.9	8.5	8.1
17.5°	12.3	11.5	10.6	10.4	10.4	10.2	9.8	9.4	9.0	8.6	8.2
16.25°	12.7	11.7	10.8	10.4	10.4	10.3	9.9	9.5	9.1	8.7	8.2
15°	13.0	11.9	11.0	10.4	10.4	10.3	10.0	9.6	9.2	8.7	8.3
13.75°	13.3	12.1	11.2	10.4	10.4	10.4	10.0	9.7	9.2	8.8	8.4
12.5°	13.5	12.3	11.4	10.5	10.4	10.4	10.1	9.7	9.3	8.9	8.4
11.25°	13.8	12.5	11.5	10.7	10.4	10.4	10.2	9.8	9.3	8.9	8.5
10°	14.0	12.7	11.7	10.8	10.4	10.4	10.2	9.8	9.4	9.0	8.5
8.75°	14.2	12.9	11.8	10.9	10.4	10.4	10.3	9.9	9.4	9.0	8.6
7.5°	14.3	13.1	11.9	11.0	10.4	10.4	10.3	9.9	9.5	9.0	8.6
6.25°	14.5	13.2	12.0	11.1	10.4	10.4	10.3	9.9	9.5	9.1	8.6
5°	14.6	13.3	12.1	11.2	10.4	10.4	10.4	10.0	9.6	9.1	8.7
3.75°	14.7	13.4	12.1	11.2	10.4	10.4	10.4	10.0	9.6	9.1	8.7
2.5°	14.7	13.5	12.2	11.3	10.4	10.4	10.4	10.0	9.6	9.1	8.7
1.25°	14.8	13.5	12.2	11.3	10.4	10.4	10.4	10.0	9.6	9.1	8.7
0°	14.8	13.5	12.2	11.3	10.4	10.4	10.4	10.0	9.6	9.2	8.7
-1.25°	14.8	13.5	12.2	11.3	10.4	10.4	10.4	10.0	9.6	9.1	8.7
-2.5°	14.7	13.5	12.2	11.3	10.4	10.4	10.4	10.0	9.6	9.1	8.7
-3.75°	14.7	13.4	12.1	11.2	10.4	10.4	10.4	10.0	9.6	9.1	8.7
-5°	14.6	13.3	12.1	11.2	10.4	10.4	10.4	10.0	9.6	9.1	8.7
-6.25°	14.5	13.2	12.0	11.1	10.4	10.4	10.3	9.9	9.5	9.1	8.6
-7.5°	14.3	13.1	11.9	11.0	10.4	10.4	10.3	9.9	9.5	9.0	8.6
-8.75°	14.2	12.9	11.8	10.9	10.4	10.4	10.3	9.9	9.4	9.0	8.6
-10°	14.0	12.7	11.7	10.8	10.4	10.4	10.2	9.8	9.4	9.0	8.5
-11.25°	13.8	12.5	11.5	10.7	10.4	10.4	10.2	9.8	9.3	8.9	8.5
-12.5°	13.5	12.3	11.4	10.5	10.4	10.4	10.1	9.7	9.3	8.9	8.4
-13.75°	13.3	12.1	11.2	10.4	10.4	10.4	10.0	9.7	9.2	8.8	8.4
-15°	13.0	11.9	11.0	10.4	10.4	10.3	10.0	9.6	9.2	8.7	8.3
-16.25°	12.7	11.7	10.8	10.4	10.4	10.3	9.9	9.5	9.1	8.7	8.2
-17.5°	12.3	11.5	10.6	10.4	10.4	10.2	9.8	9.4	9.0	8.6	8.2
-18.75°	12.0	11.2	10.4	10.4	10.4	10.1	9.7	9.3	8.9	8.5	8.1
-20°	11.8	11.0	10.4	10.4	10.4	10.0	9.6	9.2	8.8	8.4	8.0
-21.25°	11.5	10.7	10.4	10.4	10.3	9.9	9.5	9.1	8.7	8.3	7.9





REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	11.2	10.4	10.4	10.4	10.2	9.8	9.4	9.0	8.6	8.2	7.8
-23.75°	10.9	10.4	10.4	10.4	10.0	9.7	9.3	8.9	8.5	8.1	7.7
-25°	10.6	10.4	10.4	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.6
-26.25°	10.4	10.4	10.4	10.1	9.8	9.4	9.0	8.7	8.3	7.9	7.5
-27.5°	10.4	10.4	10.3	10.0	9.7	9.3	8.9	8.5	8.1	7.8	7.4
-28.75°	10.4	10.4	10.2	9.9	9.5	9.1	8.8	8.4	8.0	7.6	7.3
-30°	10.4	10.3	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.5	7.1
-31.25°	10.4	10.2	9.9	9.5	9.2	8.8	8.5	8.1	7.7	7.4	7.0
-32.5°	10.3	10.0	9.7	9.4	9.0	8.7	8.3	8.0	7.6	7.2	6.9
-33.75°	10.1	9.8	9.5	9.2	8.8	8.5	8.2	7.8	7.5	7.1	6.9
-35°	10.0	9.7	9.3	9.0	8.7	8.3	8.0	7.6	7.3	7.0	6.9
-36.25°	9.8	9.5	9.1	8.8	8.5	8.2	7.8	7.5	7.1	6.9	6.9
-37.5°	9.6	9.3	8.9	8.6	8.3	8.0	7.6	7.3	7.0	6.9	6.9
-38.75°	9.3	9.0	8.7	8.4	8.1	7.8	7.5	7.1	6.9	6.9	6.9
-40°	9.1	8.8	8.5	8.2	7.9	7.6	7.3	7.0	6.9	6.9	6.9
-41.25°	8.9	8.6	8.3	8.0	7.7	7.4	7.1	6.9	6.9	6.9	6.8
-42.5°	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.9	6.9	6.9	6.6
-43.75°	8.4	8.1	7.9	7.6	7.3	7.0	6.9	6.9	6.9	6.7	6.5
-45°	8.2	7.9	7.6	7.4	7.1	6.9	6.9	6.9	6.8	6.6	6.3
-46.25°	7.9	7.7	7.4	7.1	6.9	6.9	6.9	6.9	6.7	6.4	6.2
-47.5°	7.7	7.4	7.2	6.9	6.9	6.9	6.9	6.8	6.5	6.3	6.0
-48.75°	7.4	7.2	6.9	6.9	6.9	6.9	6.8	6.6	6.3	6.1	5.8
-50°	7.2	6.9	6.9	6.9	6.9	6.8	6.6	6.4	6.2	5.9	5.6
-51.25°	6.9	6.9	6.9	6.9	6.9	6.7	6.4	6.2	6.0	5.7	5.5
-52.5°	6.9	6.9	6.9	6.9	6.7	6.5	6.2	6.0	5.8	5.5	5.3
-53.75°	6.9	6.9	6.8	6.7	6.5	6.2	6.0	5.8	5.6	5.3	5.2
-55°	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.2
-56.25°	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.2	5.2
-57.5°	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2	5.2	5.2	5.2
-58.75°	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.2	5.2	5.2	5.2
-60°	6.0	5.8	5.6	5.5	5.3	5.2	5.2	5.2	5.2	5.2	5.0
-61.25°	5.7	5.6	5.4	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.8
-62.5°	5.4	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.8	4.6
-63.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.7	4.6	4.4
-65°	5.2	5.2	5.2	5.2	5.2	5.0	4.9	4.7	4.5	4.4	4.2
-66.25°	5.2	5.2	5.2	5.1	4.9	4.8	4.6	4.5	4.3	4.2	4.0
-67.5°	5.2	5.1	4.9	4.8	4.6	4.5	4.4	4.2	4.1	4.0	3.8
-68.75°	4.9	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6
-70°	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.7	3.6	3.4
-71.25°	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2
-72.5°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	3.0
-73.75°	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-75°	3.5	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-76.25°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4
-77.5°	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	6.9	6.9	6.6	6.3	5.9	5.6	5.2	5.2	5.2	5.0	4.6
32.5°	6.9	6.9	6.7	6.4	6.0	5.7	5.3	5.2	5.2	5.1	4.7
31.25°	6.9	6.9	6.8	6.5	6.1	5.8	5.4	5.2	5.2	5.2	4.8
30°	6.9	6.9	6.9	6.6	6.2	5.9	5.5	5.2	5.2	5.2	4.8
28.75°	6.9	6.9	6.9	6.7	6.3	6.0	5.6	5.2	5.2	5.2	4.9
27.5°	7.0	6.9	6.9	6.7	6.4	6.0	5.7	5.3	5.2	5.2	5.0
26.25°	7.1	6.9	6.9	6.8	6.5	6.1	5.7	5.3	5.2	5.2	5.0
25°	7.2	6.9	6.9	6.9	6.6	6.2	5.8	5.4	5.2	5.2	5.1
23.75°	7.3	6.9	6.9	6.9	6.6	6.3	5.9	5.5	5.2	5.2	5.1
22.5°	7.4	7.0	6.9	6.9	6.7	6.3	5.9	5.5	5.2	5.2	5.2
21.25°	7.5	7.1	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2	5.2
20°	7.6	7.2	6.9	6.9	6.8	6.4	6.1	5.6	5.2	5.2	5.2
18.75°	7.7	7.2	6.9	6.9	6.9	6.5	6.1	5.7	5.3	5.2	5.2
17.5°	7.7	7.3	6.9	6.9	6.9	6.5	6.2	5.8	5.3	5.2	5.2
16.25°	7.8	7.4	6.9	6.9	6.9	6.6	6.2	5.8	5.4	5.2	5.2
15°	7.9	7.4	7.0	6.9	6.9	6.6	6.3	5.8	5.4	5.2	5.2
13.75°	7.9	7.5	7.1	6.9	6.9	6.7	6.3	5.9	5.4	5.2	5.2
12.5°	8.0	7.5	7.1	6.9	6.9	6.7	6.3	5.9	5.5	5.2	5.2
11.25°	8.0	7.6	7.2	6.9	6.9	6.8	6.4	6.0	5.5	5.2	5.2
10°	8.1	7.6	7.2	6.9	6.9	6.8	6.4	6.0	5.5	5.2	5.2
8.75°	8.1	7.7	7.2	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2
7.5°	8.2	7.7	7.3	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2
6.25°	8.2	7.7	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
5°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
3.75°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
2.5°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
1.25°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
0°	8.3	7.8	7.4	6.9	6.9	6.9	6.5	6.1	5.7	5.2	5.2
-1.25°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
-2.5°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
-3.75°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
-5°	8.2	7.8	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
-6.25°	8.2	7.7	7.3	6.9	6.9	6.9	6.5	6.1	5.6	5.2	5.2
-7.5°	8.2	7.7	7.3	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2
-8.75°	8.1	7.7	7.2	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2
-10°	8.1	7.6	7.2	6.9	6.9	6.8	6.4	6.0	5.5	5.2	5.2
-11.25°	8.0	7.6	7.2	6.9	6.9	6.8	6.4	6.0	5.5	5.2	5.2
-12.5°	8.0	7.5	7.1	6.9	6.9	6.7	6.3	5.9	5.5	5.2	5.2
-13.75°	7.9	7.5	7.1	6.9	6.9	6.7	6.3	5.9	5.4	5.2	5.2
-15°	7.9	7.4	7.0	6.9	6.9	6.6	6.3	5.8	5.4	5.2	5.2
-16.25°	7.8	7.4	6.9	6.9	6.9	6.6	6.2	5.8	5.4	5.2	5.2
-17.5°	7.7	7.3	6.9	6.9	6.9	6.5	6.2	5.8	5.3	5.2	5.2
-18.75°	7.7	7.2	6.9	6.9	6.9	6.5	6.1	5.7	5.3	5.2	5.2
-20°	7.6	7.2	6.9	6.9	6.8	6.4	6.1	5.6	5.2	5.2	5.2
-21.25°	7.5	7.1	6.9	6.9	6.8	6.4	6.0	5.6	5.2	5.2	5.2



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1
-80°	1.6	1.6	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0
-81.25°	1.4	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.0	0.9	0.9
-82.5°	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
-83.75°	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.6
-85°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5
-86.25°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4
-87.5°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
-88.75°	0.2	0.2	0.2	0.2	0.2	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: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	4.3	3.9	3.6	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
32.5°	4.3	4.0	3.7	3.3	2.9	2.6	2.2	1.8	1.4	1.1	0.8
31.25°	4.4	4.1	3.7	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
30°	4.5	4.1	3.8	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
28.75°	4.5	4.1	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.2	0.8
27.5°	4.6	4.2	3.8	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
26.25°	4.6	4.2	3.9	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
25°	4.7	4.3	3.9	3.6	3.2	2.8	2.3	1.9	1.5	1.2	0.8
23.75°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
22.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
21.25°	4.8	4.4	4.0	3.7	3.3	2.8	2.4	2.0	1.6	1.2	0.8
20°	4.9	4.4	4.1	3.7	3.3	2.9	2.4	2.0	1.6	1.2	0.8
18.75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9
17.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9
16.25°	5.0	4.5	4.1	3.8	3.4	2.9	2.5	2.1	1.6	1.3	0.9
15°	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.6	1.3	0.9
13.75°	5.0	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
12.5°	5.1	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
11.25°	5.1	4.7	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
10°	5.1	4.7	4.2	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9
8.75°	5.1	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
7.5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
6.25°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
3.75°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
2.5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
1.25°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
0°	5.2	4.8	4.3	3.9	3.5	3.1	2.6	2.2	1.7	1.3	0.9
-1.25°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-2.5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-3.75°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-6.25°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-7.5°	5.2	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-8.75°	5.1	4.7	4.3	3.9	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-10°	5.1	4.7	4.2	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9
-11.25°	5.1	4.7	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-12.5°	5.1	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-13.75°	5.0	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-15°	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.6	1.3	0.9
-16.25°	5.0	4.5	4.1	3.8	3.4	2.9	2.5	2.1	1.6	1.3	0.9
-17.5°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9
-18.75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9
-20°	4.9	4.4	4.1	3.7	3.3	2.9	2.4	2.0	1.6	1.2	0.8
-21.25°	4.8	4.4	4.0	3.7	3.3	2.8	2.4	2.0	1.6	1.2	0.8





REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220323 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)