

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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

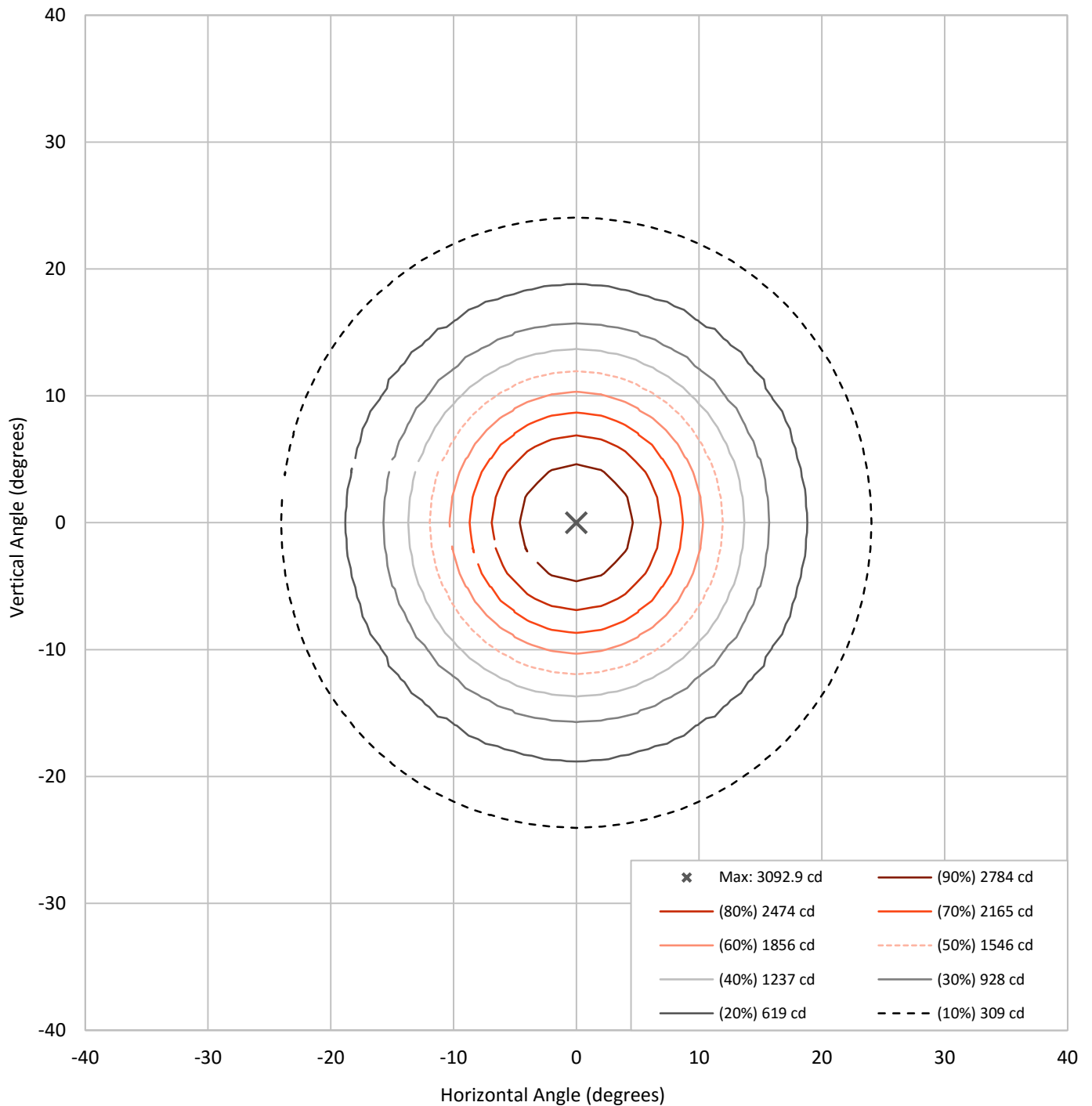
Test Method: LM-79-08  
Report Number: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
MEDIUM FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 90 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	757.5 lumens	Max Intensity:	3092.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	77.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	302.2 lumens	Field Lumens:	594.2 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A <sub>in</sub> ):	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		

REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

### Iso-Candela Plot





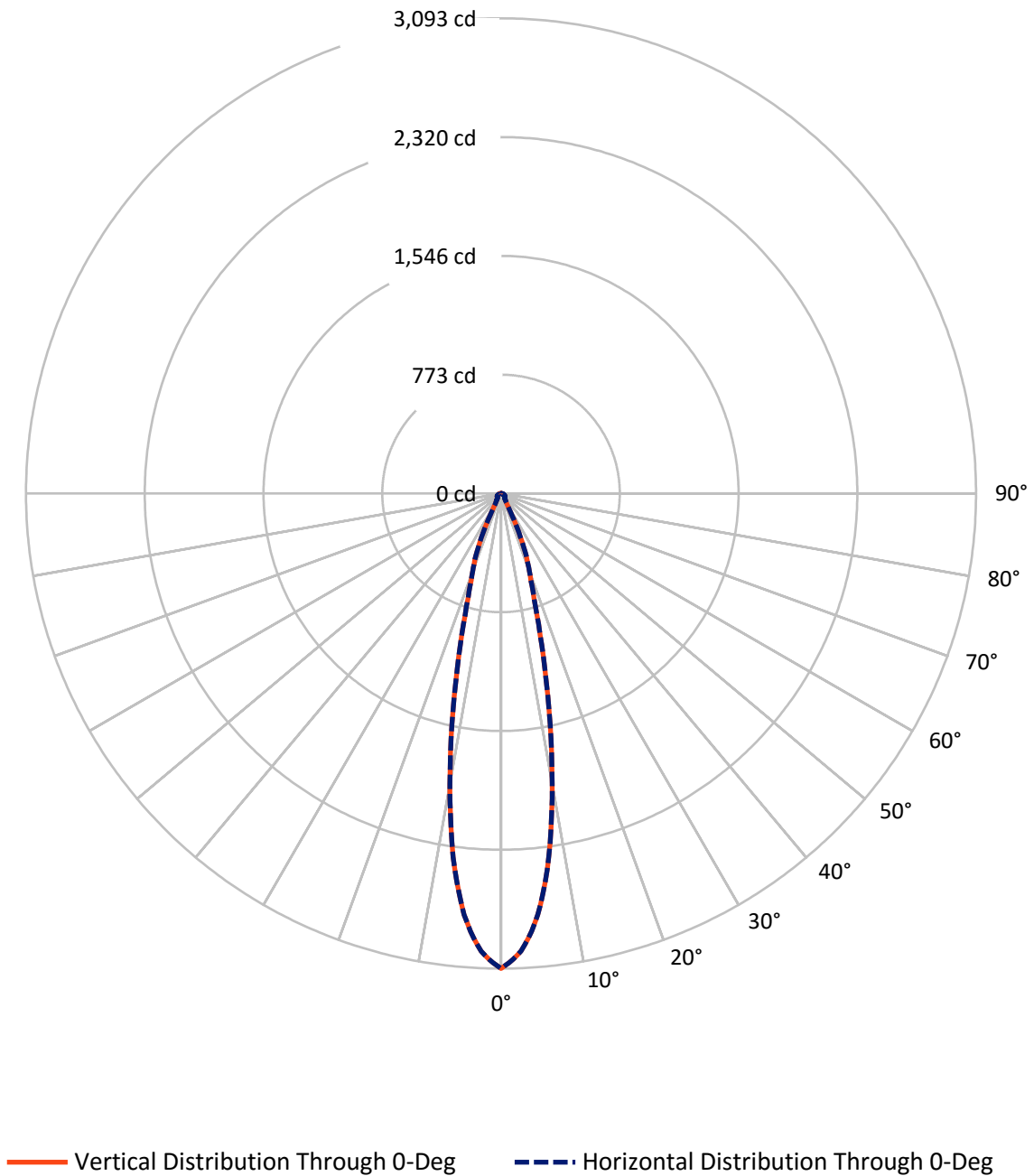
REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

### Lumen Table

90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
80	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
70	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1			
60		0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.2	0.1				
50	0.1	0.2	0.3	0.6	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	0.2	0.1			
40		0.2	0.4	0.7	0.8	1.0	1.2	1.4	1.4	1.2	1.0	0.8	0.7	0.4	0.2				
30	0.2	0.2	0.5	0.7	0.9	1.3	3.3	7.2	7.2	3.3	1.3	0.9	0.7	0.5	0.2	0.2			
20		0.3	0.5	0.7	1.0	3.1	14.2	29.0	29.0	14.2	3.1	1.0	0.7	0.5	0.3				
10	0.2	0.3	0.5	0.7	1.1	6.6	28.2	69.6	69.6	28.2	6.6	1.1	0.7	0.5	0.3	0.2			
0		0.3	0.5	0.7	1.1	6.6	28.2	69.6	69.6	28.2	6.6	1.1	0.7	0.5	0.3				
-10	0.2	0.3	0.5	0.7	1.1	6.6	28.2	69.6	69.6	28.2	6.6	1.1	0.7	0.5	0.3	0.2			
-20		0.2	0.5	0.7	0.9	1.3	3.3	7.2	7.2	3.3	1.3	0.9	0.7	0.5	0.2				
-30	0.1	0.2	0.4	0.7	0.8	1.0	1.2	1.4	1.4	1.2	1.0	0.8	0.7	0.4	0.2	0.1			
-40		0.2	0.3	0.6	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.6	0.3	0.2				
-50	0.1	0.1	0.2	0.4	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.4	0.2	0.1	0.1			
-60		0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.3	0.2	0.1				
-70	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0							0.0			
-80		0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
-90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

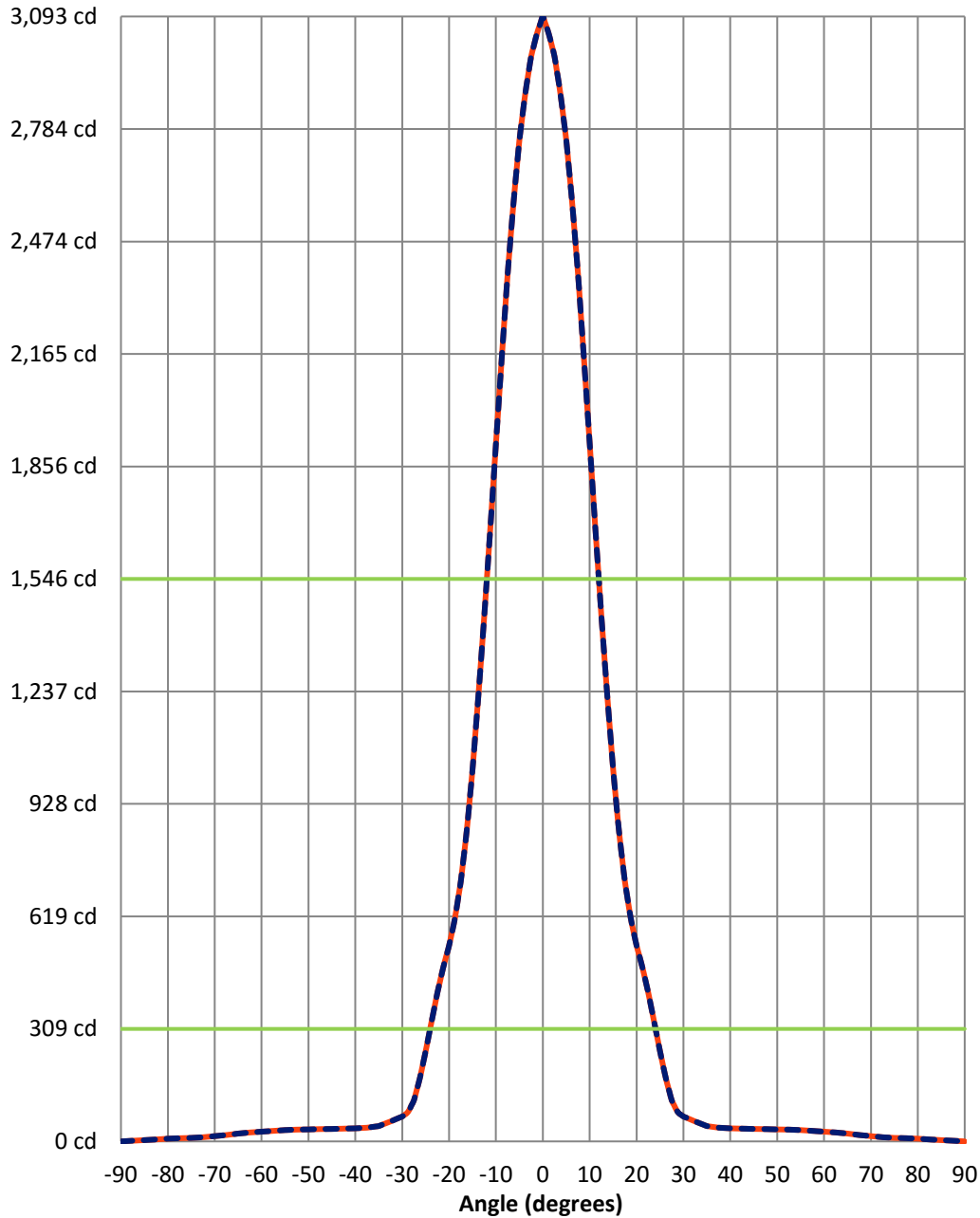
REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 23.9°  
 V Angle: 23.9°  
 Lumens: 302.2  
 Efficiency: 39.9%

**Field:**  
 H Angle: 48.1°  
 V Angle: 48.1°  
 Lumens: 594.2  
 Efficiency: 78.4%

**Spill:**  
 Lumens: 163.3  
 Efficiency: 21.6%

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



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

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



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
33.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.4	5.1	6.0	6.9	7.7
32.5°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.2	6.1	7.0	7.8
31.25°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.3	6.2	7.1	7.8
30°	0.0	0.8	1.6	2.3	3.0	3.8	4.6	5.4	6.3	7.3	7.9
28.75°	0.0	0.8	1.6	2.3	3.1	3.8	4.6	5.4	6.4	7.4	8.0
27.5°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.5	7.5	8.1
26.25°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.6	6.6	7.5	8.1
25°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.2
23.75°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.2
22.5°	0.0	0.8	1.7	2.5	3.2	4.1	4.9	5.8	6.8	7.7	8.3
21.25°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.9	6.9	7.7	8.4
20°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.9	7.0	7.8	8.4
18.75°	0.0	0.9	1.7	2.5	3.3	4.2	5.0	6.0	7.0	7.8	8.4
17.5°	0.0	0.9	1.7	2.5	3.3	4.2	5.0	6.0	7.1	7.9	8.5
16.25°	0.0	0.9	1.7	2.5	3.4	4.2	5.1	6.1	7.1	7.9	8.5
15°	0.0	0.9	1.7	2.6	3.4	4.2	5.1	6.1	7.2	7.9	8.6
13.75°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.2	7.2	8.0	8.6
12.5°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.2	7.3	8.0	8.6
11.25°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.3	7.3	8.0	8.7
10°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.3	7.4	8.1	8.7
8.75°	0.0	0.9	1.8	2.6	3.5	4.3	5.2	6.3	7.4	8.1	8.7
7.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.3	7.4	8.1	8.7
6.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.4	8.1	8.8
5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
3.75°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
2.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
1.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
0°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.4	7.5	8.2	8.8
-1.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
-2.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
-3.75°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
-5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.5	8.1	8.8
-6.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.4	7.4	8.1	8.8
-7.5°	0.0	0.9	1.8	2.6	3.5	4.4	5.3	6.3	7.4	8.1	8.7
-8.75°	0.0	0.9	1.8	2.6	3.5	4.3	5.2	6.3	7.4	8.1	8.7
-10°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.3	7.4	8.1	8.7
-11.25°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.3	7.3	8.0	8.7
-12.5°	0.0	0.9	1.8	2.6	3.4	4.3	5.2	6.2	7.3	8.0	8.6
-13.75°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.2	7.2	8.0	8.6
-15°	0.0	0.9	1.7	2.6	3.4	4.2	5.1	6.1	7.2	7.9	8.6
-16.25°	0.0	0.9	1.7	2.5	3.4	4.2	5.1	6.1	7.1	7.9	8.5
-17.5°	0.0	0.9	1.7	2.5	3.3	4.2	5.0	6.0	7.1	7.9	8.5
-18.75°	0.0	0.9	1.7	2.5	3.3	4.2	5.0	6.0	7.0	7.8	8.4
-20°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.9	7.0	7.8	8.4
-21.25°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.9	6.9	7.7	8.4





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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	0.8	1.7	2.5	3.2	4.1	4.9	5.8	6.8	7.7	8.3
-23.75°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.2
-25°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.7	6.7	7.6	8.2
-26.25°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.6	6.6	7.5	8.1
-27.5°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.5	6.5	7.5	8.1
-28.75°	0.0	0.8	1.6	2.3	3.1	3.8	4.6	5.4	6.4	7.4	8.0
-30°	0.0	0.8	1.6	2.3	3.0	3.8	4.6	5.4	6.3	7.3	7.9
-31.25°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.3	6.2	7.1	7.8
-32.5°	0.0	0.8	1.5	2.3	3.0	3.7	4.5	5.2	6.1	7.0	7.8
-33.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.4	5.1	6.0	6.9	7.7
-35°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.1	5.9	6.8	7.6
-36.25°	0.0	0.7	1.5	2.2	2.8	3.5	4.3	5.0	5.8	6.7	7.5
-37.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.7	6.5	7.4
-38.75°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.8	5.5	6.4	7.3
-40°	0.0	0.7	1.4	2.1	2.7	3.4	4.0	4.7	5.4	6.3	7.1
-41.25°	0.0	0.7	1.4	2.0	2.7	3.3	4.0	4.6	5.3	6.1	6.9
-42.5°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.2	6.0	6.8
-43.75°	0.0	0.7	1.3	1.9	2.6	3.2	3.8	4.4	5.1	5.8	6.6
-45°	0.0	0.6	1.3	1.9	2.5	3.1	3.7	4.3	5.0	5.7	6.4
-46.25°	0.0	0.6	1.2	1.9	2.4	3.0	3.6	4.2	4.9	5.5	6.3
-47.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.5	4.1	4.8	5.4	6.1
-48.75°	0.0	0.6	1.2	1.8	2.3	2.9	3.5	4.0	4.6	5.2	5.9
-50°	0.0	0.6	1.2	1.7	2.3	2.8	3.4	3.9	4.5	5.1	5.7
-51.25°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	5.0	5.6
-52.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.7	4.3	4.8	5.4
-53.75°	0.0	0.5	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.7	5.2
-55°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-56.25°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.9
-57.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.2	4.7
-58.75°	0.0	0.5	0.9	1.4	1.9	2.3	2.7	3.2	3.6	4.1	4.5
-60°	0.0	0.4	0.9	1.3	1.8	2.2	2.6	3.1	3.5	3.9	4.4
-61.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	3.8	4.2
-62.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.4	2.8	3.2	3.6	4.0
-63.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9
-65°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.3	3.7
-66.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
-67.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
-68.75°	0.0	0.3	0.7	1.0	1.3	1.6	1.9	2.2	2.6	2.9	3.2
-70°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-71.25°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.5	2.8
-72.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.1	2.4	2.6
-73.75°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	2.2	2.5
-75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-76.25°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-77.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.7	1.9



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
-78.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
-80°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-81.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
-82.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.1	1.2
-83.75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-85°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-86.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
87.5°	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8
86.25°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
85°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
83.75°	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2.0
82.5°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
81.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
80°	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
78.75°	1.9	2.1	2.2	2.4	2.5	2.7	2.9	3.0	3.2	3.3	3.5
77.5°	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9
76.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.2
75°	2.5	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6
73.75°	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.6	4.8	5.0
72.5°	2.9	3.1	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4
71.25°	3.1	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
70°	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.7	6.0	6.4
68.75°	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.7	6.1	6.5	6.8
67.5°	3.7	4.0	4.3	4.7	5.0	5.3	5.7	6.1	6.5	6.9	7.3
66.25°	3.9	4.2	4.6	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.6
65°	4.1	4.4	4.8	5.2	5.6	6.0	6.5	6.9	7.3	7.7	7.9
63.75°	4.2	4.6	5.0	5.4	5.9	6.4	6.8	7.3	7.6	7.9	8.2
62.5°	4.4	4.8	5.2	5.7	6.2	6.7	7.2	7.6	7.9	8.2	8.4
61.25°	4.6	5.0	5.5	6.0	6.5	7.0	7.5	7.8	8.1	8.4	8.7
60°	4.8	5.3	5.8	6.3	6.8	7.4	7.7	8.0	8.3	8.6	8.9
58.75°	5.0	5.5	6.0	6.6	7.1	7.6	7.9	8.3	8.6	8.9	9.0
57.5°	5.2	5.7	6.3	6.9	7.5	7.8	8.1	8.5	8.8	9.0	9.2
56.25°	5.4	6.0	6.6	7.2	7.6	8.0	8.3	8.7	8.9	9.1	9.4
55°	5.6	6.2	6.8	7.4	7.8	8.2	8.5	8.9	9.1	9.3	9.5
53.75°	5.8	6.4	7.1	7.6	8.0	8.4	8.7	9.0	9.2	9.4	9.7
52.5°	6.0	6.7	7.3	7.8	8.2	8.5	8.9	9.1	9.3	9.6	10.0
51.25°	6.2	6.9	7.5	7.9	8.3	8.7	9.0	9.2	9.5	9.8	10.4
50°	6.4	7.1	7.7	8.1	8.5	8.9	9.1	9.4	9.6	10.1	10.7
48.75°	6.6	7.3	7.8	8.2	8.7	9.0	9.2	9.5	9.9	10.4	11.0
47.5°	6.8	7.5	8.0	8.4	8.8	9.1	9.3	9.6	10.2	10.7	11.3
46.25°	7.0	7.7	8.1	8.5	8.9	9.2	9.4	9.8	10.4	11.0	11.8
45°	7.2	7.8	8.2	8.7	9.0	9.3	9.6	10.1	10.7	11.3	12.3
43.75°	7.4	7.9	8.4	8.8	9.1	9.4	9.7	10.4	11.0	11.7	12.8
42.5°	7.5	8.0	8.5	8.9	9.2	9.5	10.0	10.6	11.2	12.2	13.3
41.25°	7.7	8.1	8.6	9.0	9.3	9.6	10.2	10.8	11.6	12.7	13.8
40°	7.8	8.2	8.7	9.1	9.4	9.7	10.4	11.1	12.0	13.1	14.3
38.75°	7.9	8.4	8.8	9.1	9.4	9.9	10.6	11.3	12.4	13.6	14.7
37.5°	8.0	8.5	8.9	9.2	9.5	10.1	10.8	11.6	12.8	14.0	15.2
36.25°	8.0	8.6	9.0	9.3	9.6	10.3	11.0	12.0	13.2	14.4	15.6
35°	8.1	8.7	9.0	9.4	9.8	10.5	11.2	12.4	13.6	14.8	16.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	8.2	8.8	9.1	9.4	10.0	10.7	11.4	12.7	14.0	15.2	16.4
32.5°	8.3	8.8	9.2	9.5	10.1	10.9	11.8	13.0	14.3	15.6	16.8
31.25°	8.4	8.9	9.2	9.6	10.3	11.0	12.1	13.4	14.7	15.9	17.2
30°	8.5	8.9	9.3	9.7	10.4	11.2	12.4	13.7	15.0	16.3	17.5
28.75°	8.6	9.0	9.3	9.8	10.6	11.4	12.7	14.0	15.3	16.6	18.0
27.5°	8.6	9.0	9.4	9.9	10.7	11.6	13.0	14.3	15.6	16.9	18.5
26.25°	8.7	9.1	9.5	10.1	10.9	11.9	13.2	14.6	15.9	17.2	18.9
25°	8.8	9.1	9.5	10.2	11.0	12.1	13.5	14.9	16.2	17.5	19.3
23.75°	8.8	9.2	9.5	10.3	11.1	12.3	13.7	15.1	16.5	17.9	19.7
22.5°	8.9	9.2	9.6	10.4	11.2	12.5	14.0	15.3	16.7	18.3	20.1
21.25°	8.9	9.3	9.7	10.5	11.4	12.7	14.2	15.6	17.0	18.6	20.5
20°	8.9	9.3	9.8	10.6	11.5	12.9	14.4	15.8	17.2	18.9	20.8
18.75°	9.0	9.3	9.9	10.7	11.7	13.1	14.6	16.0	17.4	19.2	21.1
17.5°	9.0	9.4	9.9	10.8	11.8	13.3	14.8	16.2	17.6	19.5	21.4
16.25°	9.0	9.4	10.0	10.9	12.0	13.5	14.9	16.4	17.9	19.8	21.7
15°	9.0	9.4	10.1	11.0	12.1	13.6	15.1	16.5	18.1	20.0	21.8
13.75°	9.1	9.5	10.2	11.0	12.3	13.8	15.2	16.7	18.3	20.3	22.0
12.5°	9.1	9.5	10.2	11.1	12.4	13.9	15.4	16.8	18.5	20.5	22.2
11.25°	9.1	9.5	10.3	11.2	12.5	14.0	15.5	17.0	18.7	20.7	22.4
10°	9.1	9.5	10.3	11.2	12.6	14.1	15.6	17.1	18.9	20.9	22.5
8.75°	9.1	9.5	10.4	11.2	12.7	14.2	15.7	17.2	19.0	21.0	22.6
7.5°	9.2	9.6	10.4	11.3	12.7	14.3	15.8	17.3	19.2	21.1	22.7
6.25°	9.2	9.6	10.4	11.3	12.8	14.3	15.8	17.3	19.3	21.2	22.8
5°	9.2	9.6	10.5	11.4	12.9	14.4	15.9	17.4	19.3	21.3	22.9
3.75°	9.2	9.6	10.5	11.4	12.9	14.4	15.9	17.4	19.4	21.4	22.9
2.5°	9.2	9.6	10.5	11.4	12.9	14.5	16.0	17.5	19.5	21.5	23.0
1.25°	9.2	9.6	10.5	11.4	12.9	14.5	16.0	17.5	19.5	21.5	23.0
0°	9.2	9.6	10.5	11.4	13.0	14.5	16.0	17.5	19.5	21.5	23.0
-1.25°	9.2	9.6	10.5	11.4	12.9	14.5	16.0	17.5	19.5	21.5	23.0
-2.5°	9.2	9.6	10.5	11.4	12.9	14.5	16.0	17.5	19.5	21.5	23.0
-3.75°	9.2	9.6	10.5	11.4	12.9	14.4	15.9	17.4	19.4	21.4	22.9
-5°	9.2	9.6	10.5	11.4	12.9	14.4	15.9	17.4	19.3	21.3	22.9
-6.25°	9.2	9.6	10.4	11.3	12.8	14.3	15.8	17.3	19.3	21.2	22.8
-7.5°	9.2	9.6	10.4	11.3	12.7	14.3	15.8	17.3	19.2	21.1	22.7
-8.75°	9.1	9.5	10.4	11.2	12.7	14.2	15.7	17.2	19.0	21.0	22.6
-10°	9.1	9.5	10.3	11.2	12.6	14.1	15.6	17.1	18.9	20.9	22.5
-11.25°	9.1	9.5	10.3	11.2	12.5	14.0	15.5	17.0	18.7	20.7	22.4
-12.5°	9.1	9.5	10.2	11.1	12.4	13.9	15.4	16.8	18.5	20.5	22.2
-13.75°	9.1	9.5	10.2	11.0	12.3	13.8	15.2	16.7	18.3	20.3	22.0
-15°	9.0	9.4	10.1	11.0	12.1	13.6	15.1	16.5	18.1	20.0	21.8
-16.25°	9.0	9.4	10.0	10.9	12.0	13.5	14.9	16.4	17.9	19.8	21.7
-17.5°	9.0	9.4	9.9	10.8	11.8	13.3	14.8	16.2	17.6	19.5	21.4
-18.75°	9.0	9.3	9.9	10.7	11.7	13.1	14.6	16.0	17.4	19.2	21.1
-20°	8.9	9.3	9.8	10.6	11.5	12.9	14.4	15.8	17.2	18.9	20.8
-21.25°	8.9	9.3	9.7	10.5	11.4	12.7	14.2	15.6	17.0	18.6	20.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	8.9	9.2	9.6	10.4	11.2	12.5	14.0	15.3	16.7	18.3	20.1
-23.75°	8.8	9.2	9.5	10.3	11.1	12.3	13.7	15.1	16.5	17.9	19.7
-25°	8.8	9.1	9.5	10.2	11.0	12.1	13.5	14.9	16.2	17.5	19.3
-26.25°	8.7	9.1	9.5	10.1	10.9	11.9	13.2	14.6	15.9	17.2	18.9
-27.5°	8.6	9.0	9.4	9.9	10.7	11.6	13.0	14.3	15.6	16.9	18.5
-28.75°	8.6	9.0	9.3	9.8	10.6	11.4	12.7	14.0	15.3	16.6	18.0
-30°	8.5	8.9	9.3	9.7	10.4	11.2	12.4	13.7	15.0	16.3	17.5
-31.25°	8.4	8.9	9.2	9.6	10.3	11.0	12.1	13.4	14.7	15.9	17.2
-32.5°	8.3	8.8	9.2	9.5	10.1	10.9	11.8	13.0	14.3	15.6	16.8
-33.75°	8.2	8.8	9.1	9.4	10.0	10.7	11.4	12.7	14.0	15.2	16.4
-35°	8.1	8.7	9.0	9.4	9.8	10.5	11.2	12.4	13.6	14.8	16.0
-36.25°	8.0	8.6	9.0	9.3	9.6	10.3	11.0	12.0	13.2	14.4	15.6
-37.5°	8.0	8.5	8.9	9.2	9.5	10.1	10.8	11.6	12.8	14.0	15.2
-38.75°	7.9	8.4	8.8	9.1	9.4	9.9	10.6	11.3	12.4	13.6	14.7
-40°	7.8	8.2	8.7	9.1	9.4	9.7	10.4	11.1	12.0	13.1	14.3
-41.25°	7.7	8.1	8.6	9.0	9.3	9.6	10.2	10.8	11.6	12.7	13.8
-42.5°	7.5	8.0	8.5	8.9	9.2	9.5	10.0	10.6	11.2	12.2	13.3
-43.75°	7.4	7.9	8.4	8.8	9.1	9.4	9.7	10.4	11.0	11.7	12.8
-45°	7.2	7.8	8.2	8.7	9.0	9.3	9.6	10.1	10.7	11.3	12.3
-46.25°	7.0	7.7	8.1	8.5	8.9	9.2	9.4	9.8	10.4	11.0	11.8
-47.5°	6.8	7.5	8.0	8.4	8.8	9.1	9.3	9.6	10.2	10.7	11.3
-48.75°	6.6	7.3	7.8	8.2	8.7	9.0	9.2	9.5	9.9	10.4	11.0
-50°	6.4	7.1	7.7	8.1	8.5	8.9	9.1	9.4	9.6	10.1	10.7
-51.25°	6.2	6.9	7.5	7.9	8.3	8.7	9.0	9.2	9.5	9.8	10.4
-52.5°	6.0	6.7	7.3	7.8	8.2	8.5	8.9	9.1	9.3	9.6	10.0
-53.75°	5.8	6.4	7.1	7.6	8.0	8.4	8.7	9.0	9.2	9.4	9.7
-55°	5.6	6.2	6.8	7.4	7.8	8.2	8.5	8.9	9.1	9.3	9.5
-56.25°	5.4	6.0	6.6	7.2	7.6	8.0	8.3	8.7	8.9	9.1	9.4
-57.5°	5.2	5.7	6.3	6.9	7.5	7.8	8.1	8.5	8.8	9.0	9.2
-58.75°	5.0	5.5	6.0	6.6	7.1	7.6	7.9	8.3	8.6	8.9	9.0
-60°	4.8	5.3	5.8	6.3	6.8	7.4	7.7	8.0	8.3	8.6	8.9
-61.25°	4.6	5.0	5.5	6.0	6.5	7.0	7.5	7.8	8.1	8.4	8.7
-62.5°	4.4	4.8	5.2	5.7	6.2	6.7	7.2	7.6	7.9	8.2	8.4
-63.75°	4.2	4.6	5.0	5.4	5.9	6.4	6.8	7.3	7.6	7.9	8.2
-65°	4.1	4.4	4.8	5.2	5.6	6.0	6.5	6.9	7.3	7.7	7.9
-66.25°	3.9	4.2	4.6	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.6
-67.5°	3.7	4.0	4.3	4.7	5.0	5.3	5.7	6.1	6.5	6.9	7.3
-68.75°	3.5	3.8	4.1	4.4	4.7	5.0	5.3	5.7	6.1	6.5	6.8
-70°	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.7	6.0	6.4
-71.25°	3.1	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
-72.5°	2.9	3.1	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4
-73.75°	2.7	2.9	3.2	3.4	3.6	3.9	4.1	4.3	4.6	4.8	5.0
-75°	2.5	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2	4.4	4.6
-76.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.2
-77.5°	2.1	2.3	2.5	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.9	2.1	2.2	2.4	2.5	2.7	2.9	3.0	3.2	3.3	3.5
-80°	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
-81.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
-82.5°	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
-83.75°	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2.0
-85°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-86.25°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2
-87.5°	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8
-88.75°	0.2	0.2	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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
87.5°	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2
86.25°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7
85°	1.7	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3
83.75°	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8
82.5°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
81.25°	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
80°	3.2	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
78.75°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1
77.5°	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.7
76.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
75°	4.8	5.0	5.3	5.5	5.7	6.0	6.2	6.4	6.7	6.9	7.1
73.75°	5.2	5.5	5.8	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.7
72.5°	5.7	6.0	6.3	6.6	6.9	7.2	7.4	7.6	7.8	7.9	8.1
71.25°	6.2	6.5	6.8	7.1	7.5	7.6	7.8	8.0	8.2	8.3	8.5
70°	6.7	7.0	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.9
68.75°	7.2	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.1
67.5°	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.0	9.1	9.2	9.4
66.25°	7.9	8.1	8.3	8.6	8.8	8.9	9.1	9.2	9.3	9.5	9.6
65°	8.2	8.4	8.6	8.9	9.0	9.1	9.3	9.4	9.6	9.8	10.1
63.75°	8.4	8.7	8.9	9.0	9.2	9.4	9.5	9.7	10.0	10.4	10.7
62.5°	8.7	8.9	9.1	9.2	9.4	9.6	9.9	10.2	10.6	10.9	11.2
61.25°	8.9	9.1	9.3	9.4	9.6	10.0	10.3	10.7	11.1	11.4	12.0
60°	9.1	9.3	9.4	9.6	10.0	10.4	10.8	11.2	11.7	12.3	12.9
58.75°	9.2	9.4	9.6	10.0	10.5	10.9	11.3	11.9	12.5	13.2	13.9
57.5°	9.4	9.6	10.0	10.5	10.9	11.3	12.0	12.7	13.4	14.1	14.7
56.25°	9.6	10.0	10.4	10.9	11.3	12.0	12.7	13.5	14.2	14.9	15.6
55°	9.9	10.3	10.8	11.3	12.0	12.7	13.5	14.3	15.0	15.7	16.5
53.75°	10.2	10.7	11.2	11.9	12.7	13.5	14.3	15.1	15.8	16.6	17.3
52.5°	10.6	11.1	11.7	12.5	13.4	14.2	15.0	15.8	16.6	17.4	18.4
51.25°	10.9	11.4	12.3	13.2	14.1	14.9	15.7	16.6	17.4	18.4	19.5
50°	11.2	12.0	12.9	13.9	14.7	15.6	16.5	17.3	18.4	19.5	20.5
48.75°	11.7	12.6	13.6	14.5	15.4	16.3	17.2	18.2	19.4	20.5	21.6
47.5°	12.2	13.2	14.2	15.1	16.0	17.0	18.0	19.2	20.4	21.5	22.4
46.25°	12.8	13.8	14.8	15.7	16.7	17.6	18.9	20.1	21.3	22.3	23.2
45°	13.3	14.4	15.3	16.3	17.3	18.5	19.8	21.0	22.1	23.0	23.9
43.75°	13.9	14.9	15.9	16.9	18.0	19.4	20.7	21.8	22.8	23.8	24.6
42.5°	14.4	15.4	16.5	17.5	18.8	20.2	21.5	22.5	23.5	24.5	25.2
41.25°	14.9	15.9	17.0	18.2	19.6	21.0	22.2	23.2	24.2	25.0	25.7
40°	15.4	16.4	17.5	19.0	20.4	21.7	22.8	23.8	24.8	25.5	26.3
38.75°	15.8	16.9	18.2	19.7	21.1	22.3	23.4	24.5	25.2	26.0	26.8
37.5°	16.3	17.4	18.9	20.4	21.8	22.9	24.0	24.9	25.7	26.5	27.3
36.25°	16.7	18.0	19.5	21.1	22.3	23.4	24.5	25.4	26.2	27.0	27.8
35°	17.2	18.6	20.2	21.7	22.8	24.0	25.0	25.8	26.6	27.4	28.3



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	17.6	19.2	20.8	22.2	23.3	24.5	25.4	26.2	27.1	27.9	28.7
32.5°	18.2	19.8	21.4	22.6	23.8	24.9	25.8	26.6	27.5	28.3	29.2
31.25°	18.7	20.3	21.9	23.1	24.3	25.3	26.1	27.0	27.9	28.8	29.6
30°	19.2	20.9	22.3	23.5	24.7	25.6	26.5	27.4	28.3	29.2	30.1
28.75°	19.7	21.4	22.7	24.0	25.0	26.0	26.9	27.8	28.7	29.6	30.5
27.5°	20.2	21.8	23.1	24.4	25.3	26.3	27.2	28.1	29.1	30.0	30.9
26.25°	20.6	22.2	23.5	24.7	25.7	26.6	27.5	28.5	29.4	30.4	31.2
25°	21.1	22.5	23.8	25.0	25.9	26.9	27.9	28.8	29.8	30.7	31.4
23.75°	21.5	22.8	24.2	25.2	26.2	27.2	28.2	29.1	30.1	31.1	31.6
22.5°	21.8	23.2	24.5	25.5	26.5	27.5	28.5	29.4	30.4	31.3	31.8
21.25°	22.1	23.5	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.5	32.0
20°	22.4	23.7	25.0	26.0	27.0	28.0	29.0	30.0	31.0	31.6	32.2
18.75°	22.6	24.0	25.2	26.2	27.2	28.2	29.2	30.3	31.2	31.8	32.4
17.5°	22.9	24.3	25.4	26.4	27.4	28.5	29.5	30.5	31.4	32.0	32.5
16.25°	23.1	24.5	25.5	26.6	27.6	28.7	29.7	30.7	31.5	32.1	32.5
15°	23.3	24.7	25.7	26.8	27.8	28.9	29.9	31.0	31.6	32.2	32.6
13.75°	23.5	24.8	25.9	26.9	28.0	29.0	30.1	31.1	31.8	32.4	32.6
12.5°	23.7	24.9	26.0	27.1	28.1	29.2	30.3	31.2	31.9	32.4	32.7
11.25°	23.8	25.1	26.1	27.2	28.3	29.4	30.4	31.3	32.0	32.5	32.7
10°	24.0	25.2	26.3	27.3	28.4	29.5	30.6	31.4	32.1	32.5	32.8
8.75°	24.1	25.3	26.4	27.4	28.5	29.6	30.7	31.5	32.1	32.5	32.8
7.5°	24.2	25.4	26.5	27.5	28.6	29.7	30.8	31.6	32.2	32.6	32.8
6.25°	24.3	25.4	26.5	27.6	28.7	29.8	30.9	31.6	32.3	32.6	32.8
5°	24.4	25.5	26.6	27.7	28.8	29.9	31.0	31.7	32.3	32.6	32.9
3.75°	24.4	25.5	26.6	27.7	28.8	29.9	31.0	31.7	32.4	32.6	32.9
2.5°	24.5	25.6	26.7	27.8	28.9	30.0	31.1	31.7	32.4	32.6	32.9
1.25°	24.5	25.6	26.7	27.8	28.9	30.0	31.1	31.7	32.4	32.6	32.9
0°	24.5	25.6	26.7	27.8	28.9	30.0	31.1	31.8	32.4	32.7	32.9
-1.25°	24.5	25.6	26.7	27.8	28.9	30.0	31.1	31.7	32.4	32.6	32.9
-2.5°	24.5	25.6	26.7	27.8	28.9	30.0	31.1	31.7	32.4	32.6	32.9
-3.75°	24.4	25.5	26.6	27.7	28.8	29.9	31.0	31.7	32.4	32.6	32.9
-5°	24.4	25.5	26.6	27.7	28.8	29.9	31.0	31.7	32.3	32.6	32.9
-6.25°	24.3	25.4	26.5	27.6	28.7	29.8	30.9	31.6	32.3	32.6	32.8
-7.5°	24.2	25.4	26.5	27.5	28.6	29.7	30.8	31.6	32.2	32.6	32.8
-8.75°	24.1	25.3	26.4	27.4	28.5	29.6	30.7	31.5	32.1	32.5	32.8
-10°	24.0	25.2	26.3	27.3	28.4	29.5	30.6	31.4	32.1	32.5	32.8
-11.25°	23.8	25.1	26.1	27.2	28.3	29.4	30.4	31.3	32.0	32.5	32.7
-12.5°	23.7	24.9	26.0	27.1	28.1	29.2	30.3	31.2	31.9	32.4	32.7
-13.75°	23.5	24.8	25.9	26.9	28.0	29.0	30.1	31.1	31.8	32.4	32.6
-15°	23.3	24.7	25.7	26.8	27.8	28.9	29.9	31.0	31.6	32.2	32.6
-16.25°	23.1	24.5	25.5	26.6	27.6	28.7	29.7	30.7	31.5	32.1	32.5
-17.5°	22.9	24.3	25.4	26.4	27.4	28.5	29.5	30.5	31.4	32.0	32.5
-18.75°	22.6	24.0	25.2	26.2	27.2	28.2	29.2	30.3	31.2	31.8	32.4
-20°	22.4	23.7	25.0	26.0	27.0	28.0	29.0	30.0	31.0	31.6	32.2
-21.25°	22.1	23.5	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.5	32.0





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°
-22.5°	21.8	23.2	24.5	25.5	26.5	27.5	28.5	29.4	30.4	31.3	31.8
-23.75°	21.5	22.8	24.2	25.2	26.2	27.2	28.2	29.1	30.1	31.1	31.6
-25°	21.1	22.5	23.8	25.0	25.9	26.9	27.9	28.8	29.8	30.7	31.4
-26.25°	20.6	22.2	23.5	24.7	25.7	26.6	27.5	28.5	29.4	30.4	31.2
-27.5°	20.2	21.8	23.1	24.4	25.3	26.3	27.2	28.1	29.1	30.0	30.9
-28.75°	19.7	21.4	22.7	24.0	25.0	26.0	26.9	27.8	28.7	29.6	30.5
-30°	19.2	20.9	22.3	23.5	24.7	25.6	26.5	27.4	28.3	29.2	30.1
-31.25°	18.7	20.3	21.9	23.1	24.3	25.3	26.1	27.0	27.9	28.8	29.6
-32.5°	18.2	19.8	21.4	22.6	23.8	24.9	25.8	26.6	27.5	28.3	29.2
-33.75°	17.6	19.2	20.8	22.2	23.3	24.5	25.4	26.2	27.1	27.9	28.7
-35°	17.2	18.6	20.2	21.7	22.8	24.0	25.0	25.8	26.6	27.4	28.3
-36.25°	16.7	18.0	19.5	21.1	22.3	23.4	24.5	25.4	26.2	27.0	27.8
-37.5°	16.3	17.4	18.9	20.4	21.8	22.9	24.0	24.9	25.7	26.5	27.3
-38.75°	15.8	16.9	18.2	19.7	21.1	22.3	23.4	24.5	25.2	26.0	26.8
-40°	15.4	16.4	17.5	19.0	20.4	21.7	22.8	23.8	24.8	25.5	26.3
-41.25°	14.9	15.9	17.0	18.2	19.6	21.0	22.2	23.2	24.2	25.0	25.7
-42.5°	14.4	15.4	16.5	17.5	18.8	20.2	21.5	22.5	23.5	24.5	25.2
-43.75°	13.9	14.9	15.9	16.9	18.0	19.4	20.7	21.8	22.8	23.8	24.6
-45°	13.3	14.4	15.3	16.3	17.3	18.5	19.8	21.0	22.1	23.0	23.9
-46.25°	12.8	13.8	14.8	15.7	16.7	17.6	18.9	20.1	21.3	22.3	23.2
-47.5°	12.2	13.2	14.2	15.1	16.0	17.0	18.0	19.2	20.4	21.5	22.4
-48.75°	11.7	12.6	13.6	14.5	15.4	16.3	17.2	18.2	19.4	20.5	21.6
-50°	11.2	12.0	12.9	13.9	14.7	15.6	16.5	17.3	18.4	19.5	20.5
-51.25°	10.9	11.4	12.3	13.2	14.1	14.9	15.7	16.6	17.4	18.4	19.5
-52.5°	10.6	11.1	11.7	12.5	13.4	14.2	15.0	15.8	16.6	17.4	18.4
-53.75°	10.2	10.7	11.2	11.9	12.7	13.5	14.3	15.1	15.8	16.6	17.3
-55°	9.9	10.3	10.8	11.3	12.0	12.7	13.5	14.3	15.0	15.7	16.5
-56.25°	9.6	10.0	10.4	10.9	11.3	12.0	12.7	13.5	14.2	14.9	15.6
-57.5°	9.4	9.6	10.0	10.5	10.9	11.3	12.0	12.7	13.4	14.1	14.7
-58.75°	9.2	9.4	9.6	10.0	10.5	10.9	11.3	11.9	12.5	13.2	13.9
-60°	9.1	9.3	9.4	9.6	10.0	10.4	10.8	11.2	11.7	12.3	12.9
-61.25°	8.9	9.1	9.3	9.4	9.6	10.0	10.3	10.7	11.1	11.4	12.0
-62.5°	8.7	8.9	9.1	9.2	9.4	9.6	9.9	10.2	10.6	10.9	11.2
-63.75°	8.4	8.7	8.9	9.0	9.2	9.4	9.5	9.7	10.0	10.4	10.7
-65°	8.2	8.4	8.6	8.9	9.0	9.1	9.3	9.4	9.6	9.8	10.1
-66.25°	7.9	8.1	8.3	8.6	8.8	8.9	9.1	9.2	9.3	9.5	9.6
-67.5°	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.0	9.1	9.2	9.4
-68.75°	7.2	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.1
-70°	6.7	7.0	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.7	8.9
-71.25°	6.2	6.5	6.8	7.1	7.5	7.6	7.8	8.0	8.2	8.3	8.5
-72.5°	5.7	6.0	6.3	6.6	6.9	7.2	7.4	7.6	7.8	7.9	8.1
-73.75°	5.2	5.5	5.8	6.0	6.3	6.6	6.8	7.1	7.3	7.5	7.7
-75°	4.8	5.0	5.3	5.5	5.7	6.0	6.2	6.4	6.7	6.9	7.1
-76.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4
-77.5°	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.7



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1
-80°	3.2	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
-81.25°	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
-82.5°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-83.75°	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8
-85°	1.7	1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3
-86.25°	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7
-87.5°	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5
86.25°	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2
85°	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8
83.75°	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5
82.5°	3.5	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3
81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
80°	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8
78.75°	5.2	5.4	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.7
77.5°	5.9	6.1	6.3	6.4	6.6	6.8	6.9	7.1	7.3	7.4	7.5
76.25°	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.0
75°	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.4	8.5	8.6
73.75°	7.8	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0
72.5°	8.2	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.1	9.2	9.3
71.25°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.4	9.5	9.6
70°	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.9	10.1	10.3
68.75°	9.2	9.3	9.4	9.6	9.7	10.0	10.2	10.4	10.6	10.8	11.0
67.5°	9.5	9.6	9.8	10.1	10.4	10.6	10.8	11.1	11.3	11.6	12.0
66.25°	9.9	10.2	10.4	10.7	11.0	11.2	11.6	12.0	12.4	12.8	13.2
65°	10.4	10.7	11.0	11.3	11.7	12.2	12.7	13.1	13.6	14.0	14.4
63.75°	11.0	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.6
62.5°	11.7	12.2	12.8	13.3	13.9	14.4	14.9	15.4	15.8	16.3	16.7
61.25°	12.6	13.2	13.8	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0
60°	13.6	14.2	14.8	15.3	15.9	16.5	17.0	17.5	18.2	18.9	19.5
58.75°	14.5	15.1	15.7	16.3	16.9	17.5	18.2	19.0	19.7	20.4	21.1
57.5°	15.4	16.0	16.7	17.3	18.0	18.8	19.6	20.4	21.1	21.8	22.3
56.25°	16.3	17.0	17.6	18.5	19.4	20.2	21.0	21.7	22.3	22.9	23.4
55°	17.2	18.0	18.9	19.8	20.7	21.5	22.2	22.8	23.4	24.0	24.5
53.75°	18.2	19.2	20.1	21.0	21.8	22.5	23.2	23.8	24.5	24.9	25.4
52.5°	19.4	20.4	21.3	22.1	22.8	23.5	24.2	24.8	25.2	25.7	26.2
51.25°	20.5	21.5	22.3	23.0	23.8	24.5	25.0	25.5	26.0	26.5	27.0
50°	21.6	22.4	23.2	23.9	24.6	25.2	25.7	26.3	26.8	27.3	27.8
48.75°	22.4	23.2	24.1	24.8	25.3	25.9	26.5	27.0	27.5	28.1	28.6
47.5°	23.2	24.1	24.8	25.4	26.0	26.6	27.2	27.7	28.3	28.8	29.4
46.25°	24.1	24.8	25.4	26.1	26.7	27.3	27.9	28.4	29.0	29.6	30.1
45°	24.8	25.4	26.1	26.7	27.3	28.0	28.6	29.2	29.8	30.3	30.9
43.75°	25.3	26.0	26.7	27.3	28.0	28.6	29.2	29.9	30.5	31.1	31.4
42.5°	25.9	26.6	27.3	28.0	28.6	29.3	29.9	30.6	31.2	31.5	31.9
41.25°	26.5	27.2	27.9	28.6	29.2	29.9	30.6	31.2	31.6	31.9	32.3
40°	27.0	27.7	28.4	29.2	29.9	30.6	31.2	31.6	32.0	32.4	32.5
38.75°	27.5	28.3	29.0	29.8	30.5	31.2	31.6	32.0	32.4	32.5	32.7
37.5°	28.1	28.8	29.6	30.3	31.1	31.5	31.9	32.4	32.5	32.7	32.9
36.25°	28.6	29.4	30.1	30.9	31.4	31.9	32.3	32.5	32.7	32.9	33.1
35°	29.1	29.9	30.7	31.3	31.8	32.2	32.5	32.7	32.8	33.1	33.4



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	29.6	30.4	31.2	31.6	32.1	32.5	32.6	32.8	33.1	33.4	33.7
32.5°	30.0	30.9	31.5	31.9	32.4	32.6	32.8	33.0	33.3	33.6	33.9
31.25°	30.5	31.2	31.7	32.2	32.5	32.7	32.9	33.2	33.6	33.8	34.0
30°	30.9	31.5	32.0	32.5	32.6	32.8	33.1	33.5	33.8	33.9	34.1
28.75°	31.3	31.8	32.3	32.6	32.8	33.0	33.3	33.7	33.9	34.1	34.2
27.5°	31.5	32.0	32.5	32.7	32.9	33.2	33.6	33.8	34.0	34.2	34.4
26.25°	31.8	32.3	32.6	32.8	33.0	33.4	33.8	33.9	34.1	34.3	34.7
25°	32.0	32.5	32.7	32.9	33.2	33.6	33.9	34.0	34.2	34.6	34.9
23.75°	32.2	32.5	32.8	33.0	33.4	33.8	34.0	34.1	34.4	34.8	35.1
22.5°	32.4	32.6	32.8	33.2	33.6	33.9	34.0	34.2	34.6	35.0	35.3
21.25°	32.5	32.7	32.9	33.3	33.7	33.9	34.1	34.4	34.8	35.2	35.5
20°	32.6	32.8	33.1	33.5	33.8	34.0	34.2	34.6	35.0	35.3	35.7
18.75°	32.6	32.9	33.2	33.6	33.9	34.1	34.3	34.7	35.1	35.5	35.8
17.5°	32.7	32.9	33.4	33.8	34.0	34.1	34.5	34.9	35.3	35.6	36.1
16.25°	32.8	33.1	33.5	33.8	34.0	34.2	34.6	35.0	35.4	35.8	36.4
15°	32.8	33.2	33.6	33.9	34.1	34.3	34.8	35.2	35.5	35.9	36.7
13.75°	32.9	33.3	33.7	33.9	34.1	34.5	34.9	35.3	35.7	36.2	37.0
12.5°	32.9	33.4	33.8	34.0	34.2	34.6	35.0	35.4	35.8	36.5	37.3
11.25°	33.0	33.4	33.8	34.0	34.2	34.7	35.1	35.5	35.9	36.7	37.5
10°	33.1	33.5	33.9	34.1	34.3	34.8	35.2	35.6	36.0	36.9	37.8
8.75°	33.1	33.6	33.9	34.1	34.4	34.8	35.3	35.6	36.2	37.1	38.3
7.5°	33.2	33.6	33.9	34.1	34.5	34.9	35.3	35.7	36.4	37.2	38.7
6.25°	33.2	33.7	33.9	34.1	34.5	35.0	35.4	35.8	36.5	37.4	39.1
5°	33.3	33.7	34.0	34.2	34.6	35.0	35.4	35.8	36.6	37.5	39.4
3.75°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.7	37.6	39.6
2.5°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.8	37.6	39.8
1.25°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.8	37.7	39.9
0°	33.4	33.8	34.0	34.2	34.7	35.1	35.5	35.9	36.8	37.7	39.9
-1.25°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.8	37.7	39.9
-2.5°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.8	37.6	39.8
-3.75°	33.3	33.8	34.0	34.2	34.6	35.1	35.5	35.9	36.7	37.6	39.6
-5°	33.3	33.7	34.0	34.2	34.6	35.0	35.4	35.8	36.6	37.5	39.4
-6.25°	33.2	33.7	33.9	34.1	34.5	35.0	35.4	35.8	36.5	37.4	39.1
-7.5°	33.2	33.6	33.9	34.1	34.5	34.9	35.3	35.7	36.4	37.2	38.7
-8.75°	33.1	33.6	33.9	34.1	34.4	34.8	35.3	35.6	36.2	37.1	38.3
-10°	33.1	33.5	33.9	34.1	34.3	34.8	35.2	35.6	36.0	36.9	37.8
-11.25°	33.0	33.4	33.8	34.0	34.2	34.7	35.1	35.5	35.9	36.7	37.5
-12.5°	32.9	33.4	33.8	34.0	34.2	34.6	35.0	35.4	35.8	36.5	37.3
-13.75°	32.9	33.3	33.7	33.9	34.1	34.5	34.9	35.3	35.7	36.2	37.0
-15°	32.8	33.2	33.6	33.9	34.1	34.3	34.8	35.2	35.5	35.9	36.7
-16.25°	32.8	33.1	33.5	33.8	34.0	34.2	34.6	35.0	35.4	35.8	36.4
-17.5°	32.7	32.9	33.4	33.8	34.0	34.1	34.5	34.9	35.3	35.6	36.1
-18.75°	32.6	32.9	33.2	33.6	33.9	34.1	34.3	34.7	35.1	35.5	35.8
-20°	32.6	32.8	33.1	33.5	33.8	34.0	34.2	34.6	35.0	35.3	35.7
-21.25°	32.5	32.7	32.9	33.3	33.7	33.9	34.1	34.4	34.8	35.2	35.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	32.4	32.6	32.8	33.2	33.6	33.9	34.0	34.2	34.6	35.0	35.3
-23.75°	32.2	32.5	32.8	33.0	33.4	33.8	34.0	34.1	34.4	34.8	35.1
-25°	32.0	32.5	32.7	32.9	33.2	33.6	33.9	34.0	34.2	34.6	34.9
-26.25°	31.8	32.3	32.6	32.8	33.0	33.4	33.8	33.9	34.1	34.3	34.7
-27.5°	31.5	32.0	32.5	32.7	32.9	33.2	33.6	33.8	34.0	34.2	34.4
-28.75°	31.3	31.8	32.3	32.6	32.8	33.0	33.3	33.7	33.9	34.1	34.2
-30°	30.9	31.5	32.0	32.5	32.6	32.8	33.1	33.5	33.8	33.9	34.1
-31.25°	30.5	31.2	31.7	32.2	32.5	32.7	32.9	33.2	33.6	33.8	34.0
-32.5°	30.0	30.9	31.5	31.9	32.4	32.6	32.8	33.0	33.3	33.6	33.9
-33.75°	29.6	30.4	31.2	31.6	32.1	32.5	32.6	32.8	33.1	33.4	33.7
-35°	29.1	29.9	30.7	31.3	31.8	32.2	32.5	32.7	32.8	33.1	33.4
-36.25°	28.6	29.4	30.1	30.9	31.4	31.9	32.3	32.5	32.7	32.9	33.1
-37.5°	28.1	28.8	29.6	30.3	31.1	31.5	31.9	32.4	32.5	32.7	32.9
-38.75°	27.5	28.3	29.0	29.8	30.5	31.2	31.6	32.0	32.4	32.5	32.7
-40°	27.0	27.7	28.4	29.2	29.9	30.6	31.2	31.6	32.0	32.4	32.5
-41.25°	26.5	27.2	27.9	28.6	29.2	29.9	30.6	31.2	31.6	31.9	32.3
-42.5°	25.9	26.6	27.3	28.0	28.6	29.3	29.9	30.6	31.2	31.5	31.9
-43.75°	25.3	26.0	26.7	27.3	28.0	28.6	29.2	29.9	30.5	31.1	31.4
-45°	24.8	25.4	26.1	26.7	27.3	28.0	28.6	29.2	29.8	30.3	30.9
-46.25°	24.1	24.8	25.4	26.1	26.7	27.3	27.9	28.4	29.0	29.6	30.1
-47.5°	23.2	24.1	24.8	25.4	26.0	26.6	27.2	27.7	28.3	28.8	29.4
-48.75°	22.4	23.2	24.1	24.8	25.3	25.9	26.5	27.0	27.5	28.1	28.6
-50°	21.6	22.4	23.2	23.9	24.6	25.2	25.7	26.3	26.8	27.3	27.8
-51.25°	20.5	21.5	22.3	23.0	23.8	24.5	25.0	25.5	26.0	26.5	27.0
-52.5°	19.4	20.4	21.3	22.1	22.8	23.5	24.2	24.8	25.2	25.7	26.2
-53.75°	18.2	19.2	20.1	21.0	21.8	22.5	23.2	23.8	24.5	24.9	25.4
-55°	17.2	18.0	18.9	19.8	20.7	21.5	22.2	22.8	23.4	24.0	24.5
-56.25°	16.3	17.0	17.6	18.5	19.4	20.2	21.0	21.7	22.3	22.9	23.4
-57.5°	15.4	16.0	16.7	17.3	18.0	18.8	19.6	20.4	21.1	21.8	22.3
-58.75°	14.5	15.1	15.7	16.3	16.9	17.5	18.2	19.0	19.7	20.4	21.1
-60°	13.6	14.2	14.8	15.3	15.9	16.5	17.0	17.5	18.2	18.9	19.5
-61.25°	12.6	13.2	13.8	14.4	14.9	15.4	15.9	16.4	16.9	17.4	18.0
-62.5°	11.7	12.2	12.8	13.3	13.9	14.4	14.9	15.4	15.8	16.3	16.7
-63.75°	11.0	11.3	11.8	12.3	12.8	13.3	13.8	14.3	14.7	15.2	15.6
-65°	10.4	10.7	11.0	11.3	11.7	12.2	12.7	13.1	13.6	14.0	14.4
-66.25°	9.9	10.2	10.4	10.7	11.0	11.2	11.6	12.0	12.4	12.8	13.2
-67.5°	9.5	9.6	9.8	10.1	10.4	10.6	10.8	11.1	11.3	11.6	12.0
-68.75°	9.2	9.3	9.4	9.6	9.7	10.0	10.2	10.4	10.6	10.8	11.0
-70°	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.9	10.1	10.3
-71.25°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.4	9.5	9.6
-72.5°	8.2	8.4	8.5	8.7	8.8	8.9	9.0	9.1	9.1	9.2	9.3
-73.75°	7.8	8.0	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0
-75°	7.3	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.4	8.5	8.6
-76.25°	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.0
-77.5°	5.9	6.1	6.3	6.4	6.6	6.8	6.9	7.1	7.3	7.4	7.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	5.2	5.4	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.5	6.7
-80°	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8
-81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-82.5°	3.5	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3
-83.75°	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5
-85°	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8
-86.25°	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2
-87.5°	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5
-88.75°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7
86.25°	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5
85°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.1
82.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
81.25°	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8
80°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8
78.75°	6.8	6.9	7.0	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.7
77.5°	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.1	8.2	8.2	8.3
76.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.8	8.9
75°	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1	9.2	9.2
73.75°	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.5	9.5	9.5	9.6
72.5°	9.4	9.4	9.5	9.6	9.7	9.8	9.9	10.1	10.2	10.3	10.4
71.25°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.1	11.2
70°	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.9	12.1	12.3	12.5
68.75°	11.2	11.4	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.7	14.0
67.5°	12.4	12.7	13.0	13.4	13.7	14.0	14.3	14.6	14.9	15.1	15.3
66.25°	13.6	14.0	14.3	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.7
65°	14.8	15.2	15.6	15.9	16.3	16.6	16.9	17.2	17.5	17.9	18.3
63.75°	16.0	16.4	16.8	17.2	17.5	18.0	18.5	18.9	19.3	19.7	20.1
62.5°	17.2	17.6	18.2	18.7	19.2	19.7	20.2	20.6	21.1	21.5	21.8
61.25°	18.6	19.2	19.8	20.3	20.9	21.4	21.8	22.2	22.5	22.8	23.2
60°	20.2	20.8	21.4	21.9	22.3	22.7	23.1	23.5	23.8	24.2	24.5
58.75°	21.7	22.2	22.6	23.1	23.5	24.0	24.4	24.7	25.0	25.2	25.5
57.5°	22.8	23.3	23.8	24.3	24.7	25.0	25.3	25.7	25.9	26.2	26.5
56.25°	24.0	24.5	24.9	25.3	25.6	26.0	26.3	26.6	26.9	27.2	27.5
55°	25.0	25.4	25.8	26.1	26.5	26.9	27.2	27.5	27.9	28.2	28.5
53.75°	25.8	26.2	26.6	27.0	27.4	27.8	28.1	28.5	28.8	29.1	29.4
52.5°	26.6	27.1	27.5	27.9	28.3	28.7	29.1	29.4	29.8	30.1	30.4
51.25°	27.4	27.9	28.3	28.8	29.2	29.6	30.0	30.4	30.7	31.1	31.3
50°	28.3	28.7	29.2	29.6	30.1	30.5	30.9	31.2	31.4	31.6	31.8
48.75°	29.1	29.6	30.0	30.5	30.9	31.3	31.5	31.8	32.0	32.2	32.4
47.5°	29.9	30.4	30.9	31.2	31.5	31.8	32.0	32.3	32.5	32.5	32.6
46.25°	30.7	31.2	31.5	31.7	32.0	32.3	32.5	32.6	32.7	32.8	32.8
45°	31.3	31.6	31.9	32.2	32.5	32.6	32.7	32.8	32.9	33.0	33.2
43.75°	31.8	32.1	32.4	32.5	32.6	32.8	32.9	33.0	33.2	33.4	33.6
42.5°	32.2	32.5	32.6	32.7	32.8	33.0	33.2	33.4	33.6	33.8	33.9
41.25°	32.5	32.6	32.8	32.9	33.1	33.3	33.6	33.8	33.9	34.0	34.0
40°	32.7	32.8	33.0	33.2	33.5	33.7	33.8	33.9	34.0	34.1	34.2
38.75°	32.8	33.1	33.3	33.6	33.8	33.9	34.0	34.1	34.2	34.4	34.6
37.5°	33.1	33.4	33.6	33.8	33.9	34.1	34.2	34.3	34.6	34.8	35.0
36.25°	33.4	33.7	33.9	34.0	34.1	34.2	34.4	34.7	34.9	35.1	35.3
35°	33.7	33.9	34.0	34.1	34.3	34.5	34.8	35.0	35.2	35.4	35.6



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	33.9	34.0	34.1	34.3	34.6	34.8	35.1	35.3	35.5	35.8	36.0
32.5°	34.0	34.1	34.3	34.6	34.9	35.2	35.4	35.6	35.9	36.3	36.8
31.25°	34.1	34.3	34.6	34.9	35.2	35.4	35.7	35.9	36.5	37.0	37.5
30°	34.3	34.6	34.9	35.2	35.4	35.7	36.0	36.6	37.1	37.7	38.8
28.75°	34.5	34.8	35.2	35.4	35.7	36.1	36.7	37.2	37.9	39.2	40.5
27.5°	34.8	35.1	35.4	35.7	36.0	36.7	37.3	38.1	39.5	40.8	42.3
26.25°	35.0	35.3	35.6	35.9	36.6	37.2	38.1	39.5	41.0	43.0	47.0
25°	35.2	35.5	35.9	36.5	37.1	37.9	39.5	41.0	43.2	47.4	51.5
23.75°	35.4	35.8	36.3	37.0	37.7	39.2	40.8	43.0	47.4	51.8	56.1
22.5°	35.6	36.0	36.8	37.5	38.8	40.5	42.3	47.0	51.5	56.1	60.8
21.25°	35.8	36.5	37.2	38.3	40.0	41.7	46.0	50.8	55.6	60.5	65.3
20°	36.1	36.9	37.6	39.4	41.2	44.5	49.5	54.5	59.7	64.8	70.1
18.75°	36.5	37.3	38.6	40.4	42.6	47.8	52.9	58.2	63.6	69.0	75.9
17.5°	36.9	37.7	39.5	41.4	45.6	50.9	56.3	61.9	67.4	74.0	89.4
16.25°	37.2	38.5	40.5	42.9	48.4	53.9	59.6	65.3	71.7	84.2	112.7
15°	37.6	39.3	41.3	45.5	51.1	56.8	62.7	68.6	77.1	99.0	141.7
13.75°	38.1	40.1	42.1	47.9	53.6	59.6	65.7	72.6	87.7	123.0	175.8
12.5°	38.8	40.8	44.3	50.1	56.0	62.2	68.4	77.5	102.4	149.9	211.5
11.25°	39.4	41.5	46.2	52.2	58.3	64.6	71.6	86.2	122.0	178.0	246.2
10°	39.9	42.0	48.0	54.0	60.4	66.8	74.5	94.8	142.7	206.8	278.9
8.75°	40.4	43.4	49.6	55.7	62.2	68.8	79.8	110.1	164.5	233.8	308.3
7.5°	40.9	44.8	50.9	57.3	63.8	71.0	85.7	123.5	183.7	258.0	334.7
6.25°	41.2	45.9	52.1	58.6	65.2	72.8	90.8	136.0	202.8	279.1	357.5
5°	41.6	46.8	53.1	59.7	66.4	74.4	96.7	148.9	218.8	296.6	376.4
3.75°	41.8	47.5	53.8	60.5	67.2	75.9	103.7	159.0	231.4	310.3	390.3
2.5°	42.0	48.0	54.4	61.1	67.9	78.1	108.8	166.3	240.4	320.4	400.3
1.25°	42.1	48.3	54.7	61.5	68.3	79.5	111.9	170.7	245.9	326.5	406.3
0°	42.1	48.5	54.8	61.6	68.4	79.9	112.9	172.2	247.7	328.5	408.3
-1.25°	42.1	48.3	54.7	61.5	68.3	79.5	111.9	170.7	245.9	326.5	406.3
-2.5°	42.0	48.0	54.4	61.1	67.9	78.1	108.8	166.3	240.4	320.4	400.3
-3.75°	41.8	47.5	53.8	60.5	67.2	75.9	103.7	159.0	231.4	310.3	390.3
-5°	41.6	46.8	53.1	59.7	66.4	74.4	96.7	148.9	218.8	296.6	376.4
-6.25°	41.2	45.9	52.1	58.6	65.2	72.8	90.8	136.0	202.8	279.1	357.5
-7.5°	40.9	44.8	50.9	57.3	63.8	71.0	85.7	123.5	183.7	258.0	334.7
-8.75°	40.4	43.4	49.6	55.7	62.2	68.8	79.8	110.1	164.5	233.8	308.3
-10°	39.9	42.0	48.0	54.0	60.4	66.8	74.5	94.8	142.7	206.8	278.9
-11.25°	39.4	41.5	46.2	52.2	58.3	64.6	71.6	86.2	122.0	178.0	246.2
-12.5°	38.8	40.8	44.3	50.1	56.0	62.2	68.4	77.5	102.4	149.9	211.5
-13.75°	38.1	40.1	42.1	47.9	53.6	59.6	65.7	72.6	87.7	123.0	175.8
-15°	37.6	39.3	41.3	45.5	51.1	56.8	62.7	68.6	77.1	99.0	141.7
-16.25°	37.2	38.5	40.5	42.9	48.4	53.9	59.6	65.3	71.7	84.2	112.7
-17.5°	36.9	37.7	39.5	41.4	45.6	50.9	56.3	61.9	67.4	74.0	89.4
-18.75°	36.5	37.3	38.6	40.4	42.6	47.8	52.9	58.2	63.6	69.0	75.9
-20°	36.1	36.9	37.6	39.4	41.2	44.5	49.5	54.5	59.7	64.8	70.1
-21.25°	35.8	36.5	37.2	38.3	40.0	41.7	46.0	50.8	55.6	60.5	65.3





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	35.6	36.0	36.8	37.5	38.8	40.5	42.3	47.0	51.5	56.1	60.8
-23.75°	35.4	35.8	36.3	37.0	37.7	39.2	40.8	43.0	47.4	51.8	56.1
-25°	35.2	35.5	35.9	36.5	37.1	37.9	39.5	41.0	43.2	47.4	51.5
-26.25°	35.0	35.3	35.6	35.9	36.6	37.2	38.1	39.5	41.0	43.0	47.0
-27.5°	34.8	35.1	35.4	35.7	36.0	36.7	37.3	38.1	39.5	40.8	42.3
-28.75°	34.5	34.8	35.2	35.4	35.7	36.1	36.7	37.2	37.9	39.2	40.5
-30°	34.3	34.6	34.9	35.2	35.4	35.7	36.0	36.6	37.1	37.7	38.8
-31.25°	34.1	34.3	34.6	34.9	35.2	35.4	35.7	35.9	36.5	37.0	37.5
-32.5°	34.0	34.1	34.3	34.6	34.9	35.2	35.4	35.6	35.9	36.3	36.8
-33.75°	33.9	34.0	34.1	34.3	34.6	34.8	35.1	35.3	35.5	35.8	36.0
-35°	33.7	33.9	34.0	34.1	34.3	34.5	34.8	35.0	35.2	35.4	35.6
-36.25°	33.4	33.7	33.9	34.0	34.1	34.2	34.4	34.7	34.9	35.1	35.3
-37.5°	33.1	33.4	33.6	33.8	33.9	34.1	34.2	34.3	34.6	34.8	35.0
-38.75°	32.8	33.1	33.3	33.6	33.8	33.9	34.0	34.1	34.2	34.4	34.6
-40°	32.7	32.8	33.0	33.2	33.5	33.7	33.8	33.9	34.0	34.1	34.2
-41.25°	32.5	32.6	32.8	32.9	33.1	33.3	33.6	33.8	33.9	34.0	34.0
-42.5°	32.2	32.5	32.6	32.7	32.8	33.0	33.2	33.4	33.6	33.8	33.9
-43.75°	31.8	32.1	32.4	32.5	32.6	32.8	32.9	33.0	33.2	33.4	33.6
-45°	31.3	31.6	31.9	32.2	32.5	32.6	32.7	32.8	32.9	33.0	33.2
-46.25°	30.7	31.2	31.5	31.7	32.0	32.3	32.5	32.6	32.7	32.8	32.8
-47.5°	29.9	30.4	30.9	31.2	31.5	31.8	32.0	32.3	32.5	32.5	32.6
-48.75°	29.1	29.6	30.0	30.5	30.9	31.3	31.5	31.8	32.0	32.2	32.4
-50°	28.3	28.7	29.2	29.6	30.1	30.5	30.9	31.2	31.4	31.6	31.8
-51.25°	27.4	27.9	28.3	28.8	29.2	29.6	30.0	30.4	30.7	31.1	31.3
-52.5°	26.6	27.1	27.5	27.9	28.3	28.7	29.1	29.4	29.8	30.1	30.4
-53.75°	25.8	26.2	26.6	27.0	27.4	27.8	28.1	28.5	28.8	29.1	29.4
-55°	25.0	25.4	25.8	26.1	26.5	26.9	27.2	27.5	27.9	28.2	28.5
-56.25°	24.0	24.5	24.9	25.3	25.6	26.0	26.3	26.6	26.9	27.2	27.5
-57.5°	22.8	23.3	23.8	24.3	24.7	25.0	25.3	25.7	25.9	26.2	26.5
-58.75°	21.7	22.2	22.6	23.1	23.5	24.0	24.4	24.7	25.0	25.2	25.5
-60°	20.2	20.8	21.4	21.9	22.3	22.7	23.1	23.5	23.8	24.2	24.5
-61.25°	18.6	19.2	19.8	20.3	20.9	21.4	21.8	22.2	22.5	22.8	23.2
-62.5°	17.2	17.6	18.2	18.7	19.2	19.7	20.2	20.6	21.1	21.5	21.8
-63.75°	16.0	16.4	16.8	17.2	17.5	18.0	18.5	18.9	19.3	19.7	20.1
-65°	14.8	15.2	15.6	15.9	16.3	16.6	16.9	17.2	17.5	17.9	18.3
-66.25°	13.6	14.0	14.3	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.7
-67.5°	12.4	12.7	13.0	13.4	13.7	14.0	14.3	14.6	14.9	15.1	15.3
-68.75°	11.2	11.4	11.8	12.1	12.4	12.7	13.0	13.2	13.5	13.7	14.0
-70°	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.9	12.1	12.3	12.5
-71.25°	9.8	10.0	10.1	10.3	10.4	10.6	10.7	10.9	11.0	11.1	11.2
-72.5°	9.4	9.4	9.5	9.6	9.7	9.8	9.9	10.1	10.2	10.3	10.4
-73.75°	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.5	9.5	9.5	9.6
-75°	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1	9.1	9.2	9.2
-76.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.8	8.9
-77.5°	7.6	7.7	7.8	7.8	7.9	8.0	8.1	8.1	8.2	8.2	8.3



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	6.8	6.9	7.0	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.7
-80°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8
-81.25°	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.7	5.7	5.8
-82.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
-83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.1
-85°	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-86.25°	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5
-87.5°	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.7
-88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
86.25°	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
85°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
83.75°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
82.5°	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2
81.25°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3
80°	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4
78.75°	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.1
77.5°	8.4	8.4	8.4	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7
76.25°	8.9	8.9	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1
75°	9.3	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5
73.75°	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.2	10.3	10.3	10.4
72.5°	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.2
71.25°	11.4	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.5	12.6	12.7
70°	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.1	14.2
68.75°	14.2	14.4	14.6	14.8	14.9	15.1	15.2	15.4	15.5	15.6	15.7
67.5°	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0	17.1	17.2
66.25°	17.0	17.2	17.4	17.6	17.9	18.1	18.3	18.5	18.7	18.9	19.0
65°	18.6	18.9	19.2	19.5	19.8	20.0	20.3	20.5	20.7	20.9	21.0
63.75°	20.5	20.8	21.1	21.4	21.7	21.8	22.0	22.2	22.4	22.5	22.6
62.5°	22.1	22.4	22.6	22.9	23.1	23.3	23.5	23.7	23.8	24.0	24.1
61.25°	23.5	23.7	24.0	24.3	24.5	24.7	24.8	24.9	25.1	25.2	25.3
60°	24.7	25.0	25.2	25.4	25.5	25.7	25.9	26.0	26.1	26.3	26.4
58.75°	25.7	26.0	26.2	26.4	26.6	26.8	26.9	27.1	27.2	27.3	27.4
57.5°	26.7	27.0	27.2	27.4	27.6	27.8	28.0	28.1	28.3	28.4	28.5
56.25°	27.7	28.0	28.2	28.5	28.7	28.9	29.0	29.2	29.4	29.5	29.6
55°	28.7	29.0	29.2	29.5	29.7	29.9	30.1	30.3	30.4	30.6	30.7
53.75°	29.7	30.0	30.3	30.5	30.7	31.0	31.1	31.2	31.3	31.4	31.5
52.5°	30.7	31.0	31.2	31.4	31.5	31.6	31.8	31.9	32.0	32.1	32.1
51.25°	31.5	31.6	31.8	32.0	32.1	32.2	32.4	32.4	32.5	32.5	32.5
50°	32.0	32.2	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8
48.75°	32.5	32.6	32.6	32.7	32.8	32.8	32.9	32.9	33.0	33.1	33.1
47.5°	32.7	32.8	32.9	32.9	33.1	33.2	33.3	33.4	33.4	33.5	33.6
46.25°	32.9	33.1	33.2	33.4	33.5	33.6	33.7	33.8	33.8	33.9	33.9
45°	33.3	33.5	33.6	33.8	33.8	33.9	33.9	34.0	34.0	34.1	34.1
43.75°	33.7	33.8	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.3	34.4
42.5°	33.9	34.0	34.1	34.1	34.2	34.3	34.5	34.6	34.7	34.8	34.8
41.25°	34.1	34.2	34.3	34.5	34.6	34.8	34.9	35.0	35.1	35.2	35.3
40°	34.4	34.6	34.7	34.9	35.0	35.2	35.3	35.4	35.5	35.6	35.6
38.75°	34.8	35.0	35.1	35.3	35.4	35.5	35.7	35.8	35.9	36.0	36.2
37.5°	35.2	35.3	35.5	35.6	35.8	35.9	36.2	36.5	36.7	36.9	37.1
36.25°	35.5	35.7	35.8	36.1	36.4	36.7	37.0	37.3	37.5	37.8	38.3
35°	35.8	36.1	36.5	36.9	37.2	37.6	38.1	38.8	39.4	39.9	40.4



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	36.5	36.9	37.3	37.7	38.5	39.3	40.1	40.8	41.5	42.0	43.4
32.5°	37.2	37.6	38.6	39.5	40.5	41.3	42.1	44.3	46.2	48.0	49.6
31.25°	38.3	39.4	40.4	41.4	42.9	45.5	47.9	50.1	52.2	54.0	55.7
30°	40.0	41.2	42.6	45.6	48.4	51.1	53.6	56.0	58.3	60.4	62.2
28.75°	41.7	44.5	47.8	50.9	53.9	56.8	59.6	62.2	64.6	66.8	68.8
27.5°	46.0	49.5	52.9	56.3	59.6	62.7	65.7	68.4	71.6	74.5	79.8
26.25°	50.8	54.5	58.2	61.9	65.3	68.6	72.6	77.5	86.2	94.8	110.1
25°	55.6	59.7	63.6	67.4	71.7	77.1	87.7	102.4	122.0	142.7	164.5
23.75°	60.5	64.8	69.0	74.0	84.2	99.0	123.0	149.9	178.0	206.8	233.8
22.5°	65.3	70.1	75.9	89.4	112.7	141.7	175.8	211.5	246.2	278.9	308.3
21.25°	70.5	77.9	92.5	121.9	157.8	197.3	239.2	279.5	317.2	352.4	383.7
20°	77.9	93.8	126.6	167.5	213.0	259.7	305.0	348.3	388.0	422.4	451.6
18.75°	92.5	126.6	170.8	220.9	272.3	322.5	371.0	413.8	451.4	483.1	509.3
17.5°	121.9	167.5	220.9	276.5	331.4	384.2	431.4	471.1	505.4	534.7	565.7
16.25°	157.8	213.0	272.3	331.4	388.5	440.0	483.0	519.8	556.1	593.0	638.0
15°	197.3	259.7	322.5	384.2	440.0	487.0	527.1	569.6	617.8	671.0	732.8
13.75°	239.2	305.0	371.0	431.4	483.0	527.1	574.1	630.5	696.4	769.1	849.8
12.5°	279.5	348.3	413.8	471.1	519.8	569.6	630.5	705.0	791.0	885.3	991.3
11.25°	317.2	388.0	451.4	505.4	556.1	617.8	696.4	791.0	899.6	1021.3	1146.5
10°	352.4	422.4	483.1	534.7	593.0	671.0	769.1	885.3	1021.3	1164.1	1309.0
8.75°	383.7	451.6	509.3	565.7	638.0	732.8	849.8	991.3	1146.5	1309.0	1469.8
7.5°	409.7	475.6	531.6	594.0	681.4	794.0	932.6	1094.4	1268.3	1447.1	1627.2
6.25°	432.1	495.7	553.3	626.9	726.5	853.4	1011.3	1189.0	1380.4	1575.4	1774.8
5°	449.2	510.8	572.4	654.4	764.8	908.9	1083.6	1276.2	1479.1	1691.6	1905.3
3.75°	461.9	522.8	587.5	678.5	801.7	957.9	1142.5	1346.4	1561.0	1787.6	2011.5
2.5°	471.1	531.4	600.2	698.8	828.5	993.6	1185.9	1399.4	1624.2	1859.3	2091.1
1.25°	476.7	536.6	609.1	711.0	844.7	1015.3	1214.5	1432.0	1663.0	1903.6	2140.4
0°	478.6	538.3	612.0	715.2	850.2	1022.6	1224.1	1443.0	1676.1	1918.6	2157.1
-1.25°	476.7	536.6	609.1	711.0	844.7	1015.3	1214.5	1432.0	1663.0	1903.6	2140.4
-2.5°	471.1	531.4	600.2	698.8	828.5	993.6	1185.9	1399.4	1624.2	1859.3	2091.1
-3.75°	461.9	522.8	587.5	678.5	801.7	957.9	1142.5	1346.4	1561.0	1787.6	2011.5
-5°	449.2	510.8	572.4	654.4	764.8	908.9	1083.6	1276.2	1479.1	1691.6	1905.3
-6.25°	432.1	495.7	553.3	626.9	726.5	853.4	1011.3	1189.0	1380.4	1575.4	1774.8
-7.5°	409.7	475.6	531.6	594.0	681.4	794.0	932.6	1094.4	1268.3	1447.1	1627.2
-8.75°	383.7	451.6	509.3	565.7	638.0	732.8	849.8	991.3	1146.5	1309.0	1469.8
-10°	352.4	422.4	483.1	534.7	593.0	671.0	769.1	885.3	1021.3	1164.1	1309.0
-11.25°	317.2	388.0	451.4	505.4	556.1	617.8	696.4	791.0	899.6	1021.3	1146.5
-12.5°	279.5	348.3	413.8	471.1	519.8	569.6	630.5	705.0	791.0	885.3	991.3
-13.75°	239.2	305.0	371.0	431.4	483.0	527.1	574.1	630.5	696.4	769.1	849.8
-15°	197.3	259.7	322.5	384.2	440.0	487.0	527.1	569.6	617.8	671.0	732.8
-16.25°	157.8	213.0	272.3	331.4	388.5	440.0	483.0	519.8	556.1	593.0	638.0
-17.5°	121.9	167.5	220.9	276.5	331.4	384.2	431.4	471.1	505.4	534.7	565.7
-18.75°	92.5	126.6	170.8	220.9	272.3	322.5	371.0	413.8	451.4	483.1	509.3
-20°	77.9	93.8	126.6	167.5	213.0	259.7	305.0	348.3	388.0	422.4	451.6
-21.25°	70.5	77.9	92.5	121.9	157.8	197.3	239.2	279.5	317.2	352.4	383.7



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	65.3	70.1	75.9	89.4	112.7	141.7	175.8	211.5	246.2	278.9	308.3
-23.75°	60.5	64.8	69.0	74.0	84.2	99.0	123.0	149.9	178.0	206.8	233.8
-25°	55.6	59.7	63.6	67.4	71.7	77.1	87.7	102.4	122.0	142.7	164.5
-26.25°	50.8	54.5	58.2	61.9	65.3	68.6	72.6	77.5	86.2	94.8	110.1
-27.5°	46.0	49.5	52.9	56.3	59.6	62.7	65.7	68.4	71.6	74.5	79.8
-28.75°	41.7	44.5	47.8	50.9	53.9	56.8	59.6	62.2	64.6	66.8	68.8
-30°	40.0	41.2	42.6	45.6	48.4	51.1	53.6	56.0	58.3	60.4	62.2
-31.25°	38.3	39.4	40.4	41.4	42.9	45.5	47.9	50.1	52.2	54.0	55.7
-32.5°	37.2	37.6	38.6	39.5	40.5	41.3	42.1	44.3	46.2	48.0	49.6
-33.75°	36.5	36.9	37.3	37.7	38.5	39.3	40.1	40.8	41.5	42.0	43.4
-35°	35.8	36.1	36.5	36.9	37.2	37.6	38.1	38.8	39.4	39.9	40.4
-36.25°	35.5	35.7	35.8	36.1	36.4	36.7	37.0	37.3	37.5	37.8	38.3
-37.5°	35.2	35.3	35.5	35.6	35.8	35.9	36.2	36.5	36.7	36.9	37.1
-38.75°	34.8	35.0	35.1	35.3	35.4	35.5	35.7	35.8	35.9	36.0	36.2
-40°	34.4	34.6	34.7	34.9	35.0	35.2	35.3	35.4	35.5	35.6	35.6
-41.25°	34.1	34.2	34.3	34.5	34.6	34.8	34.9	35.0	35.1	35.2	35.3
-42.5°	33.9	34.0	34.1	34.1	34.2	34.3	34.5	34.6	34.7	34.8	34.8
-43.75°	33.7	33.8	33.9	34.0	34.0	34.1	34.1	34.2	34.2	34.3	34.4
-45°	33.3	33.5	33.6	33.8	33.8	33.9	33.9	34.0	34.0	34.1	34.1
-46.25°	32.9	33.1	33.2	33.4	33.5	33.6	33.7	33.8	33.8	33.9	33.9
-47.5°	32.7	32.8	32.9	32.9	33.1	33.2	33.3	33.4	33.4	33.5	33.6
-48.75°	32.5	32.6	32.6	32.7	32.8	32.8	32.9	32.9	33.0	33.1	33.1
-50°	32.0	32.2	32.4	32.5	32.5	32.6	32.6	32.7	32.7	32.8	32.8
-51.25°	31.5	31.6	31.8	32.0	32.1	32.2	32.4	32.4	32.5	32.5	32.5
-52.5°	30.7	31.0	31.2	31.4	31.5	31.6	31.8	31.9	32.0	32.1	32.1
-53.75°	29.7	30.0	30.3	30.5	30.7	31.0	31.1	31.2	31.3	31.4	31.5
-55°	28.7	29.0	29.2	29.5	29.7	29.9	30.1	30.3	30.4	30.6	30.7
-56.25°	27.7	28.0	28.2	28.5	28.7	28.9	29.0	29.2	29.4	29.5	29.6
-57.5°	26.7	27.0	27.2	27.4	27.6	27.8	28.0	28.1	28.3	28.4	28.5
-58.75°	25.7	26.0	26.2	26.4	26.6	26.8	26.9	27.1	27.2	27.3	27.4
-60°	24.7	25.0	25.2	25.4	25.5	25.7	25.9	26.0	26.1	26.3	26.4
-61.25°	23.5	23.7	24.0	24.3	24.5	24.7	24.8	24.9	25.1	25.2	25.3
-62.5°	22.1	22.4	22.6	22.9	23.1	23.3	23.5	23.7	23.8	24.0	24.1
-63.75°	20.5	20.8	21.1	21.4	21.7	21.8	22.0	22.2	22.4	22.5	22.6
-65°	18.6	18.9	19.2	19.5	19.8	20.0	20.3	20.5	20.7	20.9	21.0
-66.25°	17.0	17.2	17.4	17.6	17.9	18.1	18.3	18.5	18.7	18.9	19.0
-67.5°	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.8	17.0	17.1	17.2
-68.75°	14.2	14.4	14.6	14.8	14.9	15.1	15.2	15.4	15.5	15.6	15.7
-70°	12.7	12.9	13.1	13.3	13.5	13.6	13.8	13.9	14.0	14.1	14.2
-71.25°	11.4	11.5	11.7	11.8	12.0	12.1	12.3	12.4	12.5	12.6	12.7
-72.5°	10.5	10.6	10.7	10.8	10.9	11.0	11.0	11.1	11.2	11.2	11.2
-73.75°	9.7	9.8	9.9	9.9	10.0	10.1	10.2	10.2	10.3	10.3	10.4
-75°	9.3	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.5	9.5	9.5
-76.25°	8.9	8.9	9.0	9.0	9.0	9.0	9.1	9.1	9.1	9.1	9.1
-77.5°	8.4	8.4	8.4	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.0	8.1	8.1
-80°	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4
-81.25°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3
-82.5°	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2
-83.75°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
-85°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-86.25°	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.6
-87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8
-88.75°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
83.75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
81.25°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
80°	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
78.75°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	8.1	8.1	8.1
77.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
76.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
73.75°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
72.5°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
71.25°	12.7	12.8	12.9	12.9	12.9	12.9	13.0	12.9	12.9	12.9	12.9
70°	14.3	14.3	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4
68.75°	15.8	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.9
67.5°	17.3	17.3	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.4	17.4
66.25°	19.2	19.3	19.3	19.4	19.5	19.5	19.5	19.5	19.5	19.4	19.3
65°	21.1	21.2	21.3	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3
63.75°	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.9
62.5°	24.2	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.4	24.4
61.25°	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.5	25.5
60°	26.5	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.6
58.75°	27.5	27.6	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.7	27.7
57.5°	28.6	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.8	28.8
56.25°	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
55°	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.0	31.0
53.75°	31.6	31.6	31.7	31.7	31.7	31.7	31.8	31.7	31.7	31.7	31.7
52.5°	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3
51.25°	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.6	32.6	32.6	32.6
50°	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
48.75°	33.2	33.2	33.3	33.3	33.3	33.3	33.4	33.3	33.3	33.3	33.3
47.5°	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.7
46.25°	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
45°	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
43.75°	34.5	34.5	34.6	34.6	34.6	34.6	34.7	34.6	34.6	34.6	34.6
42.5°	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.0
41.25°	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.4
40°	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.8
38.75°	36.4	36.5	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.7	36.6
37.5°	37.2	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.6	37.6	37.5
36.25°	38.7	39.1	39.4	39.6	39.8	39.9	39.9	39.9	39.8	39.6	39.4
35°	40.9	41.2	41.6	41.8	42.0	42.1	42.1	42.1	42.0	41.8	41.6



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	44.8	45.9	46.8	47.5	48.0	48.3	48.5	48.3	48.0	47.5	46.8
32.5°	50.9	52.1	53.1	53.8	54.4	54.7	54.8	54.7	54.4	53.8	53.1
31.25°	57.3	58.6	59.7	60.5	61.1	61.5	61.6	61.5	61.1	60.5	59.7
30°	63.8	65.2	66.4	67.2	67.9	68.3	68.4	68.3	67.9	67.2	66.4
28.75°	71.0	72.8	74.4	75.9	78.1	79.5	79.9	79.5	78.1	75.9	74.4
27.5°	85.7	90.8	96.7	103.7	108.8	111.9	112.9	111.9	108.8	103.7	96.7
26.25°	123.5	136.0	148.9	159.0	166.3	170.7	172.2	170.7	166.3	159.0	148.9
25°	183.7	202.8	218.8	231.4	240.4	245.9	247.7	245.9	240.4	231.4	218.8
23.75°	258.0	279.1	296.6	310.3	320.4	326.5	328.5	326.5	320.4	310.3	296.6
22.5°	334.7	357.5	376.4	390.3	400.3	406.3	408.3	406.3	400.3	390.3	376.4
21.25°	409.7	432.1	449.2	461.9	471.1	476.7	478.6	476.7	471.1	461.9	449.2
20°	475.6	495.7	510.8	522.8	531.4	536.6	538.3	536.6	531.4	522.8	510.8
18.75°	531.6	553.3	572.4	587.5	600.2	609.1	612.0	609.1	600.2	587.5	572.4
17.5°	594.0	626.9	654.4	678.5	698.8	711.0	715.2	711.0	698.8	678.5	654.4
16.25°	681.4	726.5	764.8	801.7	828.5	844.7	850.2	844.7	828.5	801.7	764.8
15°	794.0	853.4	908.9	957.9	993.6	1015.3	1022.6	1015.3	993.6	957.9	908.9
13.75°	932.6	1011.3	1083.6	1142.5	1185.9	1214.5	1224.1	1214.5	1185.9	1142.5	1083.6
12.5°	1094.4	1189.0	1276.2	1346.4	1399.4	1432.0	1443.0	1432.0	1399.4	1346.4	1276.2
11.25°	1268.3	1380.4	1479.1	1561.0	1624.2	1663.0	1676.1	1663.0	1624.2	1561.0	1479.1
10°	1447.1	1575.4	1691.6	1787.6	1859.3	1903.6	1918.6	1903.6	1859.3	1787.6	1691.6
8.75°	1627.2	1774.8	1905.3	2011.5	2091.1	2140.4	2157.1	2140.4	2091.1	2011.5	1905.3
7.5°	1803.5	1966.1	2108.6	2227.0	2315.9	2368.0	2385.9	2368.0	2315.9	2227.0	2108.6
6.25°	1966.1	2141.9	2299.5	2423.2	2512.5	2565.0	2583.1	2565.0	2512.5	2423.2	2299.5
5°	2108.6	2299.5	2461.1	2583.5	2674.6	2732.4	2752.8	2732.4	2674.6	2583.5	2461.1
3.75°	2227.0	2423.2	2583.5	2712.7	2805.2	2863.2	2882.3	2863.2	2805.2	2712.7	2583.5
2.5°	2315.9	2512.5	2674.6	2805.2	2902.4	2964.9	2982.7	2964.9	2902.4	2805.2	2674.6
1.25°	2368.0	2565.0	2732.4	2863.2	2964.9	3023.4	3047.2	3023.4	2964.9	2863.2	2732.4
0°	2385.9	2583.1	2752.8	2882.3	2982.7	3047.2	3092.9	3047.2	2982.7	2882.3	2752.8
-1.25°	2368.0	2565.0	2732.4	2863.2	2964.9	3023.4	3047.2	3023.4	2964.9	2863.2	2732.4
-2.5°	2315.9	2512.5	2674.6	2805.2	2902.4	2964.9	2982.7	2964.9	2902.4	2805.2	2674.6
-3.75°	2227.0	2423.2	2583.5	2712.7	2805.2	2863.2	2882.3	2863.2	2805.2	2712.7	2583.5
-5°	2108.6	2299.5	2461.1	2583.5	2674.6	2732.4	2752.8	2732.4	2674.6	2583.5	2461.1
-6.25°	1966.1	2141.9	2299.5	2423.2	2512.5	2565.0	2583.1	2565.0	2512.5	2423.2	2299.5
-7.5°	1803.5	1966.1	2108.6	2227.0	2315.9	2368.0	2385.9	2368.0	2315.9	2227.0	2108.6
-8.75°	1627.2	1774.8	1905.3	2011.5	2091.1	2140.4	2157.1	2140.4	2091.1	2011.5	1905.3
-10°	1447.1	1575.4	1691.6	1787.6	1859.3	1903.6	1918.6	1903.6	1859.3	1787.6	1691.6
-11.25°	1268.3	1380.4	1479.1	1561.0	1624.2	1663.0	1676.1	1663.0	1624.2	1561.0	1479.1
-12.5°	1094.4	1189.0	1276.2	1346.4	1399.4	1432.0	1443.0	1432.0	1399.4	1346.4	1276.2
-13.75°	932.6	1011.3	1083.6	1142.5	1185.9	1214.5	1224.1	1214.5	1185.9	1142.5	1083.6
-15°	794.0	853.4	908.9	957.9	993.6	1015.3	1022.6	1015.3	993.6	957.9	908.9
-16.25°	681.4	726.5	764.8	801.7	828.5	844.7	850.2	844.7	828.5	801.7	764.8
-17.5°	594.0	626.9	654.4	678.5	698.8	711.0	715.2	711.0	698.8	678.5	654.4
-18.75°	531.6	553.3	572.4	587.5	600.2	609.1	612.0	609.1	600.2	587.5	572.4
-20°	475.6	495.7	510.8	522.8	531.4	536.6	538.3	536.6	531.4	522.8	510.8
-21.25°	409.7	432.1	449.2	461.9	471.1	476.7	478.6	476.7	471.1	461.9	449.2





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	334.7	357.5	376.4	390.3	400.3	406.3	408.3	406.3	400.3	390.3	376.4
-23.75°	258.0	279.1	296.6	310.3	320.4	326.5	328.5	326.5	320.4	310.3	296.6
-25°	183.7	202.8	218.8	231.4	240.4	245.9	247.7	245.9	240.4	231.4	218.8
-26.25°	123.5	136.0	148.9	159.0	166.3	170.7	172.2	170.7	166.3	159.0	148.9
-27.5°	85.7	90.8	96.7	103.7	108.8	111.9	112.9	111.9	108.8	103.7	96.7
-28.75°	71.0	72.8	74.4	75.9	78.1	79.5	79.9	79.5	78.1	75.9	74.4
-30°	63.8	65.2	66.4	67.2	67.9	68.3	68.4	68.3	67.9	67.2	66.4
-31.25°	57.3	58.6	59.7	60.5	61.1	61.5	61.6	61.5	61.1	60.5	59.7
-32.5°	50.9	52.1	53.1	53.8	54.4	54.7	54.8	54.7	54.4	53.8	53.1
-33.75°	44.8	45.9	46.8	47.5	48.0	48.3	48.5	48.3	48.0	47.5	46.8
-35°	40.9	41.2	41.6	41.8	42.0	42.1	42.1	42.1	42.0	41.8	41.6
-36.25°	38.7	39.1	39.4	39.6	39.8	39.9	39.9	39.9	39.8	39.6	39.4
-37.5°	37.2	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.6	37.6	37.5
-38.75°	36.4	36.5	36.6	36.7	36.8	36.8	36.8	36.8	36.8	36.7	36.6
-40°	35.7	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.8
-41.25°	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.4
-42.5°	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.0
-43.75°	34.5	34.5	34.6	34.6	34.6	34.6	34.7	34.6	34.6	34.6	34.6
-45°	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
-46.25°	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
-47.5°	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.7
-48.75°	33.2	33.2	33.3	33.3	33.3	33.3	33.4	33.3	33.3	33.3	33.3
-50°	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
-51.25°	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.6	32.6	32.6	32.6
-52.5°	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3
-53.75°	31.6	31.6	31.7	31.7	31.7	31.7	31.8	31.7	31.7	31.7	31.7
-55°	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.0	31.0
-56.25°	29.7	29.8	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
-57.5°	28.6	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.8	28.8
-58.75°	27.5	27.6	27.7	27.7	27.8	27.8	27.8	27.8	27.8	27.7	27.7
-60°	26.5	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.6	26.6
-61.25°	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.5	25.5
-62.5°	24.2	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.4	24.4
-63.75°	22.7	22.8	22.9	22.9	23.0	23.0	23.0	23.0	23.0	22.9	22.9
-65°	21.1	21.2	21.3	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.3
-66.25°	19.2	19.3	19.3	19.4	19.5	19.5	19.5	19.5	19.5	19.4	19.3
-67.5°	17.3	17.3	17.4	17.4	17.5	17.5	17.5	17.5	17.5	17.4	17.4
-68.75°	15.8	15.8	15.9	15.9	16.0	16.0	16.0	16.0	16.0	15.9	15.9
-70°	14.3	14.3	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4
-71.25°	12.7	12.8	12.9	12.9	12.9	12.9	13.0	12.9	12.9	12.9	12.9
-72.5°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
-73.75°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-76.25°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-77.5°	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	8.1	8.1	8.1	8.1	8.1	8.1	8.2	8.1	8.1	8.1	8.1
-80°	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-81.25°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
-83.75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.6
-87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
85°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
83.75°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
82.5°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0
81.25°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0
80°	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0
78.75°	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8
77.5°	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4
76.25°	9.2	9.2	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.0
75°	9.6	9.6	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.4	9.3
73.75°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	9.9	9.9
72.5°	11.3	11.3	11.2	11.2	11.2	11.1	11.0	11.0	10.9	10.8	10.7
71.25°	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.1	12.0	11.8	11.7
70°	14.3	14.3	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.3	13.1
68.75°	15.8	15.8	15.7	15.6	15.5	15.4	15.2	15.1	14.9	14.8	14.6
67.5°	17.3	17.3	17.2	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0
66.25°	19.3	19.2	19.0	18.9	18.7	18.5	18.3	18.1	17.9	17.6	17.4
65°	21.2	21.1	21.0	20.9	20.7	20.5	20.3	20.0	19.8	19.5	19.2
63.75°	22.8	22.7	22.6	22.5	22.4	22.2	22.0	21.8	21.7	21.4	21.1
62.5°	24.3	24.2	24.1	24.0	23.8	23.7	23.5	23.3	23.1	22.9	22.6
61.25°	25.4	25.4	25.3	25.2	25.1	24.9	24.8	24.7	24.5	24.3	24.0
60°	26.5	26.5	26.4	26.3	26.1	26.0	25.9	25.7	25.5	25.4	25.2
58.75°	27.6	27.5	27.4	27.3	27.2	27.1	26.9	26.8	26.6	26.4	26.2
57.5°	28.7	28.6	28.5	28.4	28.3	28.1	28.0	27.8	27.6	27.4	27.2
56.25°	29.8	29.7	29.6	29.5	29.4	29.2	29.0	28.9	28.7	28.5	28.2
55°	30.9	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.7	29.5	29.2
53.75°	31.6	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.7	30.5	30.3
52.5°	32.3	32.2	32.1	32.1	32.0	31.9	31.8	31.6	31.5	31.4	31.2
51.25°	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.2	32.1	32.0	31.8
50°	32.8	32.8	32.8	32.8	32.7	32.7	32.6	32.6	32.5	32.5	32.4
48.75°	33.2	33.2	33.1	33.1	33.0	32.9	32.9	32.8	32.8	32.7	32.6
47.5°	33.7	33.6	33.6	33.5	33.4	33.4	33.3	33.2	33.1	32.9	32.9
46.25°	33.9	33.9	33.9	33.9	33.8	33.8	33.7	33.6	33.5	33.4	33.2
45°	34.1	34.1	34.1	34.1	34.0	34.0	33.9	33.9	33.8	33.8	33.6
43.75°	34.5	34.5	34.4	34.3	34.2	34.2	34.1	34.1	34.0	34.0	33.9
42.5°	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.3	34.2	34.1	34.1
41.25°	35.4	35.3	35.3	35.2	35.1	35.0	34.9	34.8	34.6	34.5	34.3
40°	35.8	35.7	35.6	35.6	35.5	35.4	35.3	35.2	35.0	34.9	34.7
38.75°	36.5	36.4	36.2	36.0	35.9	35.8	35.7	35.5	35.4	35.3	35.1
37.5°	37.4	37.2	37.1	36.9	36.7	36.5	36.2	35.9	35.8	35.6	35.5
36.25°	39.1	38.7	38.3	37.8	37.5	37.3	37.0	36.7	36.4	36.1	35.8
35°	41.2	40.9	40.4	39.9	39.4	38.8	38.1	37.6	37.2	36.9	36.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	45.9	44.8	43.4	42.0	41.5	40.8	40.1	39.3	38.5	37.7	37.3
32.5°	52.1	50.9	49.6	48.0	46.2	44.3	42.1	41.3	40.5	39.5	38.6
31.25°	58.6	57.3	55.7	54.0	52.2	50.1	47.9	45.5	42.9	41.4	40.4
30°	65.2	63.8	62.2	60.4	58.3	56.0	53.6	51.1	48.4	45.6	42.6
28.75°	72.8	71.0	68.8	66.8	64.6	62.2	59.6	56.8	53.9	50.9	47.8
27.5°	90.8	85.7	79.8	74.5	71.6	68.4	65.7	62.7	59.6	56.3	52.9
26.25°	136.0	123.5	110.1	94.8	86.2	77.5	72.6	68.6	65.3	61.9	58.2
25°	202.8	183.7	164.5	142.7	122.0	102.4	87.7	77.1	71.7	67.4	63.6
23.75°	279.1	258.0	233.8	206.8	178.0	149.9	123.0	99.0	84.2	74.0	69.0
22.5°	357.5	334.7	308.3	278.9	246.2	211.5	175.8	141.7	112.7	89.4	75.9
21.25°	432.1	409.7	383.7	352.4	317.2	279.5	239.2	197.3	157.8	121.9	92.5
20°	495.7	475.6	451.6	422.4	388.0	348.3	305.0	259.7	213.0	167.5	126.6
18.75°	553.3	531.6	509.3	483.1	451.4	413.8	371.0	322.5	272.3	220.9	170.8
17.5°	626.9	594.0	565.7	534.7	505.4	471.1	431.4	384.2	331.4	276.5	220.9
16.25°	726.5	681.4	638.0	593.0	556.1	519.8	483.0	440.0	388.5	331.4	272.3
15°	853.4	794.0	732.8	671.0	617.8	569.6	527.1	487.0	440.0	384.2	322.5
13.75°	1011.3	932.6	849.8	769.1	696.4	630.5	574.1	527.1	483.0	431.4	371.0
12.5°	1189.0	1094.4	991.3	885.3	791.0	705.0	630.5	569.6	519.8	471.1	413.8
11.25°	1380.4	1268.3	1146.5	1021.3	899.6	791.0	696.4	617.8	556.1	505.4	451.4
10°	1575.4	1447.1	1309.0	1164.1	1021.3	885.3	769.1	671.0	593.0	534.7	483.1
8.75°	1774.8	1627.2	1469.8	1309.0	1146.5	991.3	849.8	732.8	638.0	565.7	509.3
7.5°	1966.1	1803.5	1627.2	1447.1	1268.3	1094.4	932.6	794.0	681.4	594.0	531.6
6.25°	2141.9	1966.1	1774.8	1575.4	1380.4	1189.0	1011.3	853.4	726.5	626.9	553.3
5°	2299.5	2108.6	1905.3	1691.6	1479.1	1276.2	1083.6	908.9	764.8	654.4	572.4
3.75°	2423.2	2227.0	2011.5	1787.6	1561.0	1346.4	1142.5	957.9	801.7	678.5	587.5
2.5°	2512.5	2315.9	2091.1	1859.3	1624.2	1399.4	1185.9	993.6	828.5	698.8	600.2
1.25°	2565.0	2368.0	2140.4	1903.6	1663.0	1432.0	1214.5	1015.3	844.7	711.0	609.1
0°	2583.1	2385.9	2157.1	1918.6	1676.1	1443.0	1224.1	1022.6	850.2	715.2	612.0
-1.25°	2565.0	2368.0	2140.4	1903.6	1663.0	1432.0	1214.5	1015.3	844.7	711.0	609.1
-2.5°	2512.5	2315.9	2091.1	1859.3	1624.2	1399.4	1185.9	993.6	828.5	698.8	600.2
-3.75°	2423.2	2227.0	2011.5	1787.6	1561.0	1346.4	1142.5	957.9	801.7	678.5	587.5
-5°	2299.5	2108.6	1905.3	1691.6	1479.1	1276.2	1083.6	908.9	764.8	654.4	572.4
-6.25°	2141.9	1966.1	1774.8	1575.4	1380.4	1189.0	1011.3	853.4	726.5	626.9	553.3
-7.5°	1966.1	1803.5	1627.2	1447.1	1268.3	1094.4	932.6	794.0	681.4	594.0	531.6
-8.75°	1774.8	1627.2	1469.8	1309.0	1146.5	991.3	849.8	732.8	638.0	565.7	509.3
-10°	1575.4	1447.1	1309.0	1164.1	1021.3	885.3	769.1	671.0	593.0	534.7	483.1
-11.25°	1380.4	1268.3	1146.5	1021.3	899.6	791.0	696.4	617.8	556.1	505.4	451.4
-12.5°	1189.0	1094.4	991.3	885.3	791.0	705.0	630.5	569.6	519.8	471.1	413.8
-13.75°	1011.3	932.6	849.8	769.1	696.4	630.5	574.1	527.1	483.0	431.4	371.0
-15°	853.4	794.0	732.8	671.0	617.8	569.6	527.1	487.0	440.0	384.2	322.5
-16.25°	726.5	681.4	638.0	593.0	556.1	519.8	483.0	440.0	388.5	331.4	272.3
-17.5°	626.9	594.0	565.7	534.7	505.4	471.1	431.4	384.2	331.4	276.5	220.9
-18.75°	553.3	531.6	509.3	483.1	451.4	413.8	371.0	322.5	272.3	220.9	170.8
-20°	495.7	475.6	451.6	422.4	388.0	348.3	305.0	259.7	213.0	167.5	126.6
-21.25°	432.1	409.7	383.7	352.4	317.2	279.5	239.2	197.3	157.8	121.9	92.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	357.5	334.7	308.3	278.9	246.2	211.5	175.8	141.7	112.7	89.4	75.9
-23.75°	279.1	258.0	233.8	206.8	178.0	149.9	123.0	99.0	84.2	74.0	69.0
-25°	202.8	183.7	164.5	142.7	122.0	102.4	87.7	77.1	71.7	67.4	63.6
-26.25°	136.0	123.5	110.1	94.8	86.2	77.5	72.6	68.6	65.3	61.9	58.2
-27.5°	90.8	85.7	79.8	74.5	71.6	68.4	65.7	62.7	59.6	56.3	52.9
-28.75°	72.8	71.0	68.8	66.8	64.6	62.2	59.6	56.8	53.9	50.9	47.8
-30°	65.2	63.8	62.2	60.4	58.3	56.0	53.6	51.1	48.4	45.6	42.6
-31.25°	58.6	57.3	55.7	54.0	52.2	50.1	47.9	45.5	42.9	41.4	40.4
-32.5°	52.1	50.9	49.6	48.0	46.2	44.3	42.1	41.3	40.5	39.5	38.6
-33.75°	45.9	44.8	43.4	42.0	41.5	40.8	40.1	39.3	38.5	37.7	37.3
-35°	41.2	40.9	40.4	39.9	39.4	38.8	38.1	37.6	37.2	36.9	36.5
-36.25°	39.1	38.7	38.3	37.8	37.5	37.3	37.0	36.7	36.4	36.1	35.8
-37.5°	37.4	37.2	37.1	36.9	36.7	36.5	36.2	35.9	35.8	35.6	35.5
-38.75°	36.5	36.4	36.2	36.0	35.9	35.8	35.7	35.5	35.4	35.3	35.1
-40°	35.8	35.7	35.6	35.6	35.5	35.4	35.3	35.2	35.0	34.9	34.7
-41.25°	35.4	35.3	35.3	35.2	35.1	35.0	34.9	34.8	34.6	34.5	34.3
-42.5°	35.0	34.9	34.8	34.8	34.7	34.6	34.5	34.3	34.2	34.1	34.1
-43.75°	34.5	34.5	34.4	34.3	34.2	34.2	34.1	34.1	34.0	34.0	33.9
-45°	34.1	34.1	34.1	34.1	34.0	34.0	33.9	33.9	33.8	33.8	33.6
-46.25°	33.9	33.9	33.9	33.9	33.8	33.8	33.7	33.6	33.5	33.4	33.2
-47.5°	33.7	33.6	33.6	33.5	33.4	33.4	33.3	33.2	33.1	32.9	32.9
-48.75°	33.2	33.2	33.1	33.1	33.0	32.9	32.9	32.8	32.8	32.7	32.6
-50°	32.8	32.8	32.8	32.8	32.7	32.7	32.6	32.6	32.5	32.5	32.4
-51.25°	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.2	32.1	32.0	31.8
-52.5°	32.3	32.2	32.1	32.1	32.0	31.9	31.8	31.6	31.5	31.4	31.2
-53.75°	31.6	31.6	31.5	31.4	31.3	31.2	31.1	31.0	30.7	30.5	30.3
-55°	30.9	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.7	29.5	29.2
-56.25°	29.8	29.7	29.6	29.5	29.4	29.2	29.0	28.9	28.7	28.5	28.2
-57.5°	28.7	28.6	28.5	28.4	28.3	28.1	28.0	27.8	27.6	27.4	27.2
-58.75°	27.6	27.5	27.4	27.3	27.2	27.1	26.9	26.8	26.6	26.4	26.2
-60°	26.5	26.5	26.4	26.3	26.1	26.0	25.9	25.7	25.5	25.4	25.2
-61.25°	25.4	25.4	25.3	25.2	25.1	24.9	24.8	24.7	24.5	24.3	24.0
-62.5°	24.3	24.2	24.1	24.0	23.8	23.7	23.5	23.3	23.1	22.9	22.6
-63.75°	22.8	22.7	22.6	22.5	22.4	22.2	22.0	21.8	21.7	21.4	21.1
-65°	21.2	21.1	21.0	20.9	20.7	20.5	20.3	20.0	19.8	19.5	19.2
-66.25°	19.3	19.2	19.0	18.9	18.7	18.5	18.3	18.1	17.9	17.6	17.4
-67.5°	17.3	17.3	17.2	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.0
-68.75°	15.8	15.8	15.7	15.6	15.5	15.4	15.2	15.1	14.9	14.8	14.6
-70°	14.3	14.3	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.3	13.1
-71.25°	12.8	12.7	12.7	12.6	12.5	12.4	12.3	12.1	12.0	11.8	11.7
-72.5°	11.3	11.3	11.2	11.2	11.2	11.1	11.0	11.0	10.9	10.8	10.7
-73.75°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	9.9	9.9
-75°	9.6	9.6	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.4	9.3
-76.25°	9.2	9.2	9.1	9.1	9.1	9.1	9.1	9.0	9.0	9.0	9.0
-77.5°	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.4



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8
-80°	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0
-81.25°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0
-82.5°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0
-83.75°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
-85°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-86.25°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-87.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
86.25°	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3
85°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0
83.75°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
82.5°	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5
81.25°	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.4	5.3	5.2
80°	7.0	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1
78.75°	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.1	7.0
77.5°	8.4	8.4	8.3	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.8
76.25°	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.6	8.5	8.4	8.3
75°	9.3	9.3	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.8
73.75°	9.8	9.7	9.6	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.2
72.5°	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.6	9.5
71.25°	11.5	11.4	11.2	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1
70°	12.9	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.2	11.0	10.9
68.75°	14.4	14.2	14.0	13.7	13.5	13.2	13.0	12.7	12.4	12.1	11.8
67.5°	15.8	15.6	15.3	15.1	14.9	14.6	14.3	14.0	13.7	13.4	13.0
66.25°	17.2	17.0	16.7	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.3
65°	18.9	18.6	18.3	17.9	17.5	17.2	16.9	16.6	16.3	15.9	15.6
63.75°	20.8	20.5	20.1	19.7	19.3	18.9	18.5	18.0	17.5	17.2	16.8
62.5°	22.4	22.1	21.8	21.5	21.1	20.6	20.2	19.7	19.2	18.7	18.2
61.25°	23.7	23.5	23.2	22.8	22.5	22.2	21.8	21.4	20.9	20.3	19.8
60°	25.0	24.7	24.5	24.2	23.8	23.5	23.1	22.7	22.3	21.9	21.4
58.75°	26.0	25.7	25.5	25.2	25.0	24.7	24.4	24.0	23.5	23.1	22.6
57.5°	27.0	26.7	26.5	26.2	25.9	25.7	25.3	25.0	24.7	24.3	23.8
56.25°	28.0	27.7	27.5	27.2	26.9	26.6	26.3	26.0	25.6	25.3	24.9
55°	29.0	28.7	28.5	28.2	27.9	27.5	27.2	26.9	26.5	26.1	25.8
53.75°	30.0	29.7	29.4	29.1	28.8	28.5	28.1	27.8	27.4	27.0	26.6
52.5°	31.0	30.7	30.4	30.1	29.8	29.4	29.1	28.7	28.3	27.9	27.5
51.25°	31.6	31.5	31.3	31.1	30.7	30.4	30.0	29.6	29.2	28.8	28.3
50°	32.2	32.0	31.8	31.6	31.4	31.2	30.9	30.5	30.1	29.6	29.2
48.75°	32.6	32.5	32.4	32.2	32.0	31.8	31.5	31.3	30.9	30.5	30.0
47.5°	32.8	32.7	32.6	32.5	32.5	32.3	32.0	31.8	31.5	31.2	30.9
46.25°	33.1	32.9	32.8	32.8	32.7	32.6	32.5	32.3	32.0	31.7	31.5
45°	33.5	33.3	33.2	33.0	32.9	32.8	32.7	32.6	32.5	32.2	31.9
43.75°	33.8	33.7	33.6	33.4	33.2	33.0	32.9	32.8	32.6	32.5	32.4
42.5°	34.0	33.9	33.9	33.8	33.6	33.4	33.2	33.0	32.8	32.7	32.6
41.25°	34.2	34.1	34.0	34.0	33.9	33.8	33.6	33.3	33.1	32.9	32.8
40°	34.6	34.4	34.2	34.1	34.0	33.9	33.8	33.7	33.5	33.2	33.0
38.75°	35.0	34.8	34.6	34.4	34.2	34.1	34.0	33.9	33.8	33.6	33.3
37.5°	35.3	35.2	35.0	34.8	34.6	34.3	34.2	34.1	33.9	33.8	33.6
36.25°	35.7	35.5	35.3	35.1	34.9	34.7	34.4	34.2	34.1	34.0	33.9
35°	36.1	35.8	35.6	35.4	35.2	35.0	34.8	34.5	34.3	34.1	34.0

REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	36.9	36.5	36.0	35.8	35.5	35.3	35.1	34.8	34.6	34.3	34.1
32.5°	37.6	37.2	36.8	36.3	35.9	35.6	35.4	35.2	34.9	34.6	34.3
31.25°	39.4	38.3	37.5	37.0	36.5	35.9	35.7	35.4	35.2	34.9	34.6
30°	41.2	40.0	38.8	37.7	37.1	36.6	36.0	35.7	35.4	35.2	34.9
28.75°	44.5	41.7	40.5	39.2	37.9	37.2	36.7	36.1	35.7	35.4	35.2
27.5°	49.5	46.0	42.3	40.8	39.5	38.1	37.3	36.7	36.0	35.7	35.4
26.25°	54.5	50.8	47.0	43.0	41.0	39.5	38.1	37.2	36.6	35.9	35.6
25°	59.7	55.6	51.5	47.4	43.2	41.0	39.5	37.9	37.1	36.5	35.9
23.75°	64.8	60.5	56.1	51.8	47.4	43.0	40.8	39.2	37.7	37.0	36.3
22.5°	70.1	65.3	60.8	56.1	51.5	47.0	42.3	40.5	38.8	37.5	36.8
21.25°	77.9	70.5	65.3	60.5	55.6	50.8	46.0	41.7	40.0	38.3	37.2
20°	93.8	77.9	70.1	64.8	59.7	54.5	49.5	44.5	41.2	39.4	37.6
18.75°	126.6	92.5	75.9	69.0	63.6	58.2	52.9	47.8	42.6	40.4	38.6
17.5°	167.5	121.9	89.4	74.0	67.4	61.9	56.3	50.9	45.6	41.4	39.5
16.25°	213.0	157.8	112.7	84.2	71.7	65.3	59.6	53.9	48.4	42.9	40.5
15°	259.7	197.3	141.7	99.0	77.1	68.6	62.7	56.8	51.1	45.5	41.3
13.75°	305.0	239.2	175.8	123.0	87.7	72.6	65.7	59.6	53.6	47.9	42.1
12.5°	348.3	279.5	211.5	149.9	102.4	77.5	68.4	62.2	56.0	50.1	44.3
11.25°	388.0	317.2	246.2	178.0	122.0	86.2	71.6	64.6	58.3	52.2	46.2
10°	422.4	352.4	278.9	206.8	142.7	94.8	74.5	66.8	60.4	54.0	48.0
8.75°	451.6	383.7	308.3	233.8	164.5	110.1	79.8	68.8	62.2	55.7	49.6
7.5°	475.6	409.7	334.7	258.0	183.7	123.5	85.7	71.0	63.8	57.3	50.9
6.25°	495.7	432.1	357.5	279.1	202.8	136.0	90.8	72.8	65.2	58.6	52.1
5°	510.8	449.2	376.4	296.6	218.8	148.9	96.7	74.4	66.4	59.7	53.1
3.75°	522.8	461.9	390.3	310.3	231.4	159.0	103.7	75.9	67.2	60.5	53.8
2.5°	531.4	471.1	400.3	320.4	240.4	166.3	108.8	78.1	67.9	61.1	54.4
1.25°	536.6	476.7	406.3	326.5	245.9	170.7	111.9	79.5	68.3	61.5	54.7
0°	538.3	478.6	408.3	328.5	247.7	172.2	112.9	79.9	68.4	61.6	54.8
-1.25°	536.6	476.7	406.3	326.5	245.9	170.7	111.9	79.5	68.3	61.5	54.7
-2.5°	531.4	471.1	400.3	320.4	240.4	166.3	108.8	78.1	67.9	61.1	54.4
-3.75°	522.8	461.9	390.3	310.3	231.4	159.0	103.7	75.9	67.2	60.5	53.8
-5°	510.8	449.2	376.4	296.6	218.8	148.9	96.7	74.4	66.4	59.7	53.1
-6.25°	495.7	432.1	357.5	279.1	202.8	136.0	90.8	72.8	65.2	58.6	52.1
-7.5°	475.6	409.7	334.7	258.0	183.7	123.5	85.7	71.0	63.8	57.3	50.9
-8.75°	451.6	383.7	308.3	233.8	164.5	110.1	79.8	68.8	62.2	55.7	49.6
-10°	422.4	352.4	278.9	206.8	142.7	94.8	74.5	66.8	60.4	54.0	48.0
-11.25°	388.0	317.2	246.2	178.0	122.0	86.2	71.6	64.6	58.3	52.2	46.2
-12.5°	348.3	279.5	211.5	149.9	102.4	77.5	68.4	62.2	56.0	50.1	44.3
-13.75°	305.0	239.2	175.8	123.0	87.7	72.6	65.7	59.6	53.6	47.9	42.1
-15°	259.7	197.3	141.7	99.0	77.1	68.6	62.7	56.8	51.1	45.5	41.3
-16.25°	213.0	157.8	112.7	84.2	71.7	65.3	59.6	53.9	48.4	42.9	40.5
-17.5°	167.5	121.9	89.4	74.0	67.4	61.9	56.3	50.9	45.6	41.4	39.5
-18.75°	126.6	92.5	75.9	69.0	63.6	58.2	52.9	47.8	42.6	40.4	38.6
-20°	93.8	77.9	70.1	64.8	59.7	54.5	49.5	44.5	41.2	39.4	37.6
-21.25°	77.9	70.5	65.3	60.5	55.6	50.8	46.0	41.7	40.0	38.3	37.2





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	70.1	65.3	60.8	56.1	51.5	47.0	42.3	40.5	38.8	37.5	36.8
-23.75°	64.8	60.5	56.1	51.8	47.4	43.0	40.8	39.2	37.7	37.0	36.3
-25°	59.7	55.6	51.5	47.4	43.2	41.0	39.5	37.9	37.1	36.5	35.9
-26.25°	54.5	50.8	47.0	43.0	41.0	39.5	38.1	37.2	36.6	35.9	35.6
-27.5°	49.5	46.0	42.3	40.8	39.5	38.1	37.3	36.7	36.0	35.7	35.4
-28.75°	44.5	41.7	40.5	39.2	37.9	37.2	36.7	36.1	35.7	35.4	35.2
-30°	41.2	40.0	38.8	37.7	37.1	36.6	36.0	35.7	35.4	35.2	34.9
-31.25°	39.4	38.3	37.5	37.0	36.5	35.9	35.7	35.4	35.2	34.9	34.6
-32.5°	37.6	37.2	36.8	36.3	35.9	35.6	35.4	35.2	34.9	34.6	34.3
-33.75°	36.9	36.5	36.0	35.8	35.5	35.3	35.1	34.8	34.6	34.3	34.1
-35°	36.1	35.8	35.6	35.4	35.2	35.0	34.8	34.5	34.3	34.1	34.0
-36.25°	35.7	35.5	35.3	35.1	34.9	34.7	34.4	34.2	34.1	34.0	33.9
-37.5°	35.3	35.2	35.0	34.8	34.6	34.3	34.2	34.1	33.9	33.8	33.6
-38.75°	35.0	34.8	34.6	34.4	34.2	34.1	34.0	33.9	33.8	33.6	33.3
-40°	34.6	34.4	34.2	34.1	34.0	33.9	33.8	33.7	33.5	33.2	33.0
-41.25°	34.2	34.1	34.0	34.0	33.9	33.8	33.6	33.3	33.1	32.9	32.8
-42.5°	34.0	33.9	33.9	33.8	33.6	33.4	33.2	33.0	32.8	32.7	32.6
-43.75°	33.8	33.7	33.6	33.4	33.2	33.0	32.9	32.8	32.6	32.5	32.4
-45°	33.5	33.3	33.2	33.0	32.9	32.8	32.7	32.6	32.5	32.2	31.9
-46.25°	33.1	32.9	32.8	32.8	32.7	32.6	32.5	32.3	32.0	31.7	31.5
-47.5°	32.8	32.7	32.6	32.5	32.5	32.3	32.0	31.8	31.5	31.2	30.9
-48.75°	32.6	32.5	32.4	32.2	32.0	31.8	31.5	31.3	30.9	30.5	30.0
-50°	32.2	32.0	31.8	31.6	31.4	31.2	30.9	30.5	30.1	29.6	29.2
-51.25°	31.6	31.5	31.3	31.1	30.7	30.4	30.0	29.6	29.2	28.8	28.3
-52.5°	31.0	30.7	30.4	30.1	29.8	29.4	29.1	28.7	28.3	27.9	27.5
-53.75°	30.0	29.7	29.4	29.1	28.8	28.5	28.1	27.8	27.4	27.0	26.6
-55°	29.0	28.7	28.5	28.2	27.9	27.5	27.2	26.9	26.5	26.1	25.8
-56.25°	28.0	27.7	27.5	27.2	26.9	26.6	26.3	26.0	25.6	25.3	24.9
-57.5°	27.0	26.7	26.5	26.2	25.9	25.7	25.3	25.0	24.7	24.3	23.8
-58.75°	26.0	25.7	25.5	25.2	25.0	24.7	24.4	24.0	23.5	23.1	22.6
-60°	25.0	24.7	24.5	24.2	23.8	23.5	23.1	22.7	22.3	21.9	21.4
-61.25°	23.7	23.5	23.2	22.8	22.5	22.2	21.8	21.4	20.9	20.3	19.8
-62.5°	22.4	22.1	21.8	21.5	21.1	20.6	20.2	19.7	19.2	18.7	18.2
-63.75°	20.8	20.5	20.1	19.7	19.3	18.9	18.5	18.0	17.5	17.2	16.8
-65°	18.9	18.6	18.3	17.9	17.5	17.2	16.9	16.6	16.3	15.9	15.6
-66.25°	17.2	17.0	16.7	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.3
-67.5°	15.8	15.6	15.3	15.1	14.9	14.6	14.3	14.0	13.7	13.4	13.0
-68.75°	14.4	14.2	14.0	13.7	13.5	13.2	13.0	12.7	12.4	12.1	11.8
-70°	12.9	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.2	11.0	10.9
-71.25°	11.5	11.4	11.2	11.1	11.0	10.9	10.7	10.6	10.4	10.3	10.1
-72.5°	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.6	9.5
-73.75°	9.8	9.7	9.6	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.2
-75°	9.3	9.3	9.2	9.2	9.1	9.1	9.0	9.0	8.9	8.9	8.8
-76.25°	8.9	8.9	8.9	8.8	8.8	8.7	8.6	8.6	8.5	8.4	8.3
-77.5°	8.4	8.4	8.3	8.2	8.2	8.1	8.1	8.0	7.9	7.8	7.8



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.1	7.0
-80°	7.0	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1
-81.25°	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.4	5.3	5.2
-82.5°	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5
-83.75°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
-85°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0
-86.25°	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3
-87.5°	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
-88.75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
87.5°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.2
86.25°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9
85°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4
83.75°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0
82.5°	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6
81.25°	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
80°	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0	4.9
78.75°	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5
77.5°	7.7	7.6	7.5	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.3
76.25°	8.2	8.1	8.0	8.0	7.9	7.8	7.7	7.5	7.4	7.2	7.0
75°	8.8	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.9	7.8	7.7
73.75°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.2	8.1
72.5°	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.5
71.25°	10.0	9.8	9.6	9.5	9.4	9.4	9.3	9.2	9.1	9.0	8.9
70°	10.7	10.5	10.3	10.1	9.9	9.7	9.6	9.5	9.4	9.3	9.2
68.75°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.6	9.4
67.5°	12.7	12.4	12.0	11.6	11.3	11.1	10.8	10.6	10.4	10.1	9.8
66.25°	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.2	11.0	10.7	10.4
65°	15.2	14.8	14.4	14.0	13.6	13.1	12.7	12.2	11.7	11.3	11.0
63.75°	16.4	16.0	15.6	15.2	14.7	14.3	13.8	13.3	12.8	12.3	11.8
62.5°	17.6	17.2	16.7	16.3	15.8	15.4	14.9	14.4	13.9	13.3	12.8
61.25°	19.2	18.6	18.0	17.4	16.9	16.4	15.9	15.4	14.9	14.4	13.8
60°	20.8	20.2	19.5	18.9	18.2	17.5	17.0	16.5	15.9	15.3	14.8
58.75°	22.2	21.7	21.1	20.4	19.7	19.0	18.2	17.5	16.9	16.3	15.7
57.5°	23.3	22.8	22.3	21.8	21.1	20.4	19.6	18.8	18.0	17.3	16.7
56.25°	24.5	24.0	23.4	22.9	22.3	21.7	21.0	20.2	19.4	18.5	17.6
55°	25.4	25.0	24.5	24.0	23.4	22.8	22.2	21.5	20.7	19.8	18.9
53.75°	26.2	25.8	25.4	24.9	24.5	23.8	23.2	22.5	21.8	21.0	20.1
52.5°	27.1	26.6	26.2	25.7	25.2	24.8	24.2	23.5	22.8	22.1	21.3
51.25°	27.9	27.4	27.0	26.5	26.0	25.5	25.0	24.5	23.8	23.0	22.3
50°	28.7	28.3	27.8	27.3	26.8	26.3	25.7	25.2	24.6	23.9	23.2
48.75°	29.6	29.1	28.6	28.1	27.5	27.0	26.5	25.9	25.3	24.8	24.1
47.5°	30.4	29.9	29.4	28.8	28.3	27.7	27.2	26.6	26.0	25.4	24.8
46.25°	31.2	30.7	30.1	29.6	29.0	28.4	27.9	27.3	26.7	26.1	25.4
45°	31.6	31.3	30.9	30.3	29.8	29.2	28.6	28.0	27.3	26.7	26.1
43.75°	32.1	31.8	31.4	31.1	30.5	29.9	29.2	28.6	28.0	27.3	26.7
42.5°	32.5	32.2	31.9	31.5	31.2	30.6	29.9	29.3	28.6	28.0	27.3
41.25°	32.6	32.5	32.3	31.9	31.6	31.2	30.6	29.9	29.2	28.6	27.9
40°	32.8	32.7	32.5	32.4	32.0	31.6	31.2	30.6	29.9	29.2	28.4
38.75°	33.1	32.8	32.7	32.5	32.4	32.0	31.6	31.2	30.5	29.8	29.0
37.5°	33.4	33.1	32.9	32.7	32.5	32.4	31.9	31.5	31.1	30.3	29.6
36.25°	33.7	33.4	33.1	32.9	32.7	32.5	32.3	31.9	31.4	30.9	30.1
35°	33.9	33.7	33.4	33.1	32.8	32.7	32.5	32.2	31.8	31.3	30.7



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	34.0	33.9	33.7	33.4	33.1	32.8	32.6	32.5	32.1	31.6	31.2
32.5°	34.1	34.0	33.9	33.6	33.3	33.0	32.8	32.6	32.4	31.9	31.5
31.25°	34.3	34.1	34.0	33.8	33.6	33.2	32.9	32.7	32.5	32.2	31.7
30°	34.6	34.3	34.1	33.9	33.8	33.5	33.1	32.8	32.6	32.5	32.0
28.75°	34.8	34.5	34.2	34.1	33.9	33.7	33.3	33.0	32.8	32.6	32.3
27.5°	35.1	34.8	34.4	34.2	34.0	33.8	33.6	33.2	32.9	32.7	32.5
26.25°	35.3	35.0	34.7	34.3	34.1	33.9	33.8	33.4	33.0	32.8	32.6
25°	35.5	35.2	34.9	34.6	34.2	34.0	33.9	33.6	33.2	32.9	32.7
23.75°	35.8	35.4	35.1	34.8	34.4	34.1	34.0	33.8	33.4	33.0	32.8
22.5°	36.0	35.6	35.3	35.0	34.6	34.2	34.0	33.9	33.6	33.2	32.8
21.25°	36.5	35.8	35.5	35.2	34.8	34.4	34.1	33.9	33.7	33.3	32.9
20°	36.9	36.1	35.7	35.3	35.0	34.6	34.2	34.0	33.8	33.5	33.1
18.75°	37.3	36.5	35.8	35.5	35.1	34.7	34.3	34.1	33.9	33.6	33.2
17.5°	37.7	36.9	36.1	35.6	35.3	34.9	34.5	34.1	34.0	33.8	33.4
16.25°	38.5	37.2	36.4	35.8	35.4	35.0	34.6	34.2	34.0	33.8	33.5
15°	39.3	37.6	36.7	35.9	35.5	35.2	34.8	34.3	34.1	33.9	33.6
13.75°	40.1	38.1	37.0	36.2	35.7	35.3	34.9	34.5	34.1	33.9	33.7
12.5°	40.8	38.8	37.3	36.5	35.8	35.4	35.0	34.6	34.2	34.0	33.8
11.25°	41.5	39.4	37.5	36.7	35.9	35.5	35.1	34.7	34.2	34.0	33.8
10°	42.0	39.9	37.8	36.9	36.0	35.6	35.2	34.8	34.3	34.1	33.9
8.75°	43.4	40.4	38.3	37.1	36.2	35.6	35.3	34.8	34.4	34.1	33.9
7.5°	44.8	40.9	38.7	37.2	36.4	35.7	35.3	34.9	34.5	34.1	33.9
6.25°	45.9	41.2	39.1	37.4	36.5	35.8	35.4	35.0	34.5	34.1	33.9
5°	46.8	41.6	39.4	37.5	36.6	35.8	35.4	35.0	34.6	34.2	34.0
3.75°	47.5	41.8	39.6	37.6	36.7	35.9	35.5	35.1	34.6	34.2	34.0
2.5°	48.0	42.0	39.8	37.6	36.8	35.9	35.5	35.1	34.6	34.2	34.0
1.25°	48.3	42.1	39.9	37.7	36.8	35.9	35.5	35.1	34.6	34.2	34.0
0°	48.5	42.1	39.9	37.7	36.8	35.9	35.5	35.1	34.6	34.2	34.0
-1.25°	48.3	42.1	39.9	37.7	36.8	35.9	35.5	35.1	34.6	34.2	34.0
-2.5°	48.0	42.0	39.8	37.6	36.8	35.9	35.5	35.1	34.6	34.2	34.0
-3.75°	47.5	41.8	39.6	37.6	36.7	35.9	35.5	35.1	34.6	34.2	34.0
-5°	46.8	41.6	39.4	37.5	36.6	35.8	35.4	35.0	34.6	34.2	34.0
-6.25°	45.9	41.2	39.1	37.4	36.5	35.8	35.4	35.0	34.5	34.1	33.9
-7.5°	44.8	40.9	38.7	37.2	36.4	35.7	35.3	34.9	34.5	34.1	33.9
-8.75°	43.4	40.4	38.3	37.1	36.2	35.6	35.3	34.8	34.4	34.1	33.9
-10°	42.0	39.9	37.8	36.9	36.0	35.6	35.2	34.8	34.3	34.1	33.9
-11.25°	41.5	39.4	37.5	36.7	35.9	35.5	35.1	34.7	34.2	34.0	33.8
-12.5°	40.8	38.8	37.3	36.5	35.8	35.4	35.0	34.6	34.2	34.0	33.8
-13.75°	40.1	38.1	37.0	36.2	35.7	35.3	34.9	34.5	34.1	33.9	33.7
-15°	39.3	37.6	36.7	35.9	35.5	35.2	34.8	34.3	34.1	33.9	33.6
-16.25°	38.5	37.2	36.4	35.8	35.4	35.0	34.6	34.2	34.0	33.8	33.5
-17.5°	37.7	36.9	36.1	35.6	35.3	34.9	34.5	34.1	34.0	33.8	33.4
-18.75°	37.3	36.5	35.8	35.5	35.1	34.7	34.3	34.1	33.9	33.6	33.2
-20°	36.9	36.1	35.7	35.3	35.0	34.6	34.2	34.0	33.8	33.5	33.1
-21.25°	36.5	35.8	35.5	35.2	34.8	34.4	34.1	33.9	33.7	33.3	32.9



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	36.0	35.6	35.3	35.0	34.6	34.2	34.0	33.9	33.6	33.2	32.8
-23.75°	35.8	35.4	35.1	34.8	34.4	34.1	34.0	33.8	33.4	33.0	32.8
-25°	35.5	35.2	34.9	34.6	34.2	34.0	33.9	33.6	33.2	32.9	32.7
-26.25°	35.3	35.0	34.7	34.3	34.1	33.9	33.8	33.4	33.0	32.8	32.6
-27.5°	35.1	34.8	34.4	34.2	34.0	33.8	33.6	33.2	32.9	32.7	32.5
-28.75°	34.8	34.5	34.2	34.1	33.9	33.7	33.3	33.0	32.8	32.6	32.3
-30°	34.6	34.3	34.1	33.9	33.8	33.5	33.1	32.8	32.6	32.5	32.0
-31.25°	34.3	34.1	34.0	33.8	33.6	33.2	32.9	32.7	32.5	32.2	31.7
-32.5°	34.1	34.0	33.9	33.6	33.3	33.0	32.8	32.6	32.4	31.9	31.5
-33.75°	34.0	33.9	33.7	33.4	33.1	32.8	32.6	32.5	32.1	31.6	31.2
-35°	33.9	33.7	33.4	33.1	32.8	32.7	32.5	32.2	31.8	31.3	30.7
-36.25°	33.7	33.4	33.1	32.9	32.7	32.5	32.3	31.9	31.4	30.9	30.1
-37.5°	33.4	33.1	32.9	32.7	32.5	32.4	31.9	31.5	31.1	30.3	29.6
-38.75°	33.1	32.8	32.7	32.5	32.4	32.0	31.6	31.2	30.5	29.8	29.0
-40°	32.8	32.7	32.5	32.4	32.0	31.6	31.2	30.6	29.9	29.2	28.4
-41.25°	32.6	32.5	32.3	31.9	31.6	31.2	30.6	29.9	29.2	28.6	27.9
-42.5°	32.5	32.2	31.9	31.5	31.2	30.6	29.9	29.3	28.6	28.0	27.3
-43.75°	32.1	31.8	31.4	31.1	30.5	29.9	29.2	28.6	28.0	27.3	26.7
-45°	31.6	31.3	30.9	30.3	29.8	29.2	28.6	28.0	27.3	26.7	26.1
-46.25°	31.2	30.7	30.1	29.6	29.0	28.4	27.9	27.3	26.7	26.1	25.4
-47.5°	30.4	29.9	29.4	28.8	28.3	27.7	27.2	26.6	26.0	25.4	24.8
-48.75°	29.6	29.1	28.6	28.1	27.5	27.0	26.5	25.9	25.3	24.8	24.1
-50°	28.7	28.3	27.8	27.3	26.8	26.3	25.7	25.2	24.6	23.9	23.2
-51.25°	27.9	27.4	27.0	26.5	26.0	25.5	25.0	24.5	23.8	23.0	22.3
-52.5°	27.1	26.6	26.2	25.7	25.2	24.8	24.2	23.5	22.8	22.1	21.3
-53.75°	26.2	25.8	25.4	24.9	24.5	23.8	23.2	22.5	21.8	21.0	20.1
-55°	25.4	25.0	24.5	24.0	23.4	22.8	22.2	21.5	20.7	19.8	18.9
-56.25°	24.5	24.0	23.4	22.9	22.3	21.7	21.0	20.2	19.4	18.5	17.6
-57.5°	23.3	22.8	22.3	21.8	21.1	20.4	19.6	18.8	18.0	17.3	16.7
-58.75°	22.2	21.7	21.1	20.4	19.7	19.0	18.2	17.5	16.9	16.3	15.7
-60°	20.8	20.2	19.5	18.9	18.2	17.5	17.0	16.5	15.9	15.3	14.8
-61.25°	19.2	18.6	18.0	17.4	16.9	16.4	15.9	15.4	14.9	14.4	13.8
-62.5°	17.6	17.2	16.7	16.3	15.8	15.4	14.9	14.4	13.9	13.3	12.8
-63.75°	16.4	16.0	15.6	15.2	14.7	14.3	13.8	13.3	12.8	12.3	11.8
-65°	15.2	14.8	14.4	14.0	13.6	13.1	12.7	12.2	11.7	11.3	11.0
-66.25°	14.0	13.6	13.2	12.8	12.4	12.0	11.6	11.2	11.0	10.7	10.4
-67.5°	12.7	12.4	12.0	11.6	11.3	11.1	10.8	10.6	10.4	10.1	9.8
-68.75°	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7	9.6	9.4
-70°	10.7	10.5	10.3	10.1	9.9	9.7	9.6	9.5	9.4	9.3	9.2
-71.25°	10.0	9.8	9.6	9.5	9.4	9.4	9.3	9.2	9.1	9.0	8.9
-72.5°	9.4	9.4	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.5
-73.75°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.2	8.1
-75°	8.8	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.9	7.8	7.7
-76.25°	8.2	8.1	8.0	8.0	7.9	7.8	7.7	7.5	7.4	7.2	7.0
-77.5°	7.7	7.6	7.5	7.4	7.3	7.1	6.9	6.8	6.6	6.4	6.3



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	6.9	6.8	6.7	6.5	6.4	6.3	6.1	6.0	5.8	5.7	5.5
-80°	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0	4.9
-81.25°	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-82.5°	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6
-83.75°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0
-85°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.4
-86.25°	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9	1.9	1.9
-87.5°	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.2
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
87.5°	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9
86.25°	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3
85°	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8
83.75°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2
82.5°	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
80°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
78.75°	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.9
77.5°	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.4
76.25°	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8
75°	7.5	7.3	7.1	6.9	6.7	6.4	6.2	6.0	5.7	5.5	5.3
73.75°	8.0	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.3	6.0	5.8
72.5°	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.2	6.9	6.6	6.3
71.25°	8.8	8.7	8.5	8.3	8.2	8.0	7.8	7.6	7.5	7.1	6.8
70°	9.1	9.0	8.9	8.7	8.5	8.4	8.2	8.0	7.8	7.6	7.4
68.75°	9.3	9.2	9.1	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.7
67.5°	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.5	8.3	8.0
66.25°	10.2	9.9	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.6	8.3
65°	10.7	10.4	10.1	9.8	9.6	9.4	9.3	9.1	9.0	8.9	8.6
63.75°	11.3	11.0	10.7	10.4	10.0	9.7	9.5	9.4	9.2	9.0	8.9
62.5°	12.2	11.7	11.2	10.9	10.6	10.2	9.9	9.6	9.4	9.2	9.1
61.25°	13.2	12.6	12.0	11.4	11.1	10.7	10.3	10.0	9.6	9.4	9.3
60°	14.2	13.6	12.9	12.3	11.7	11.2	10.8	10.4	10.0	9.6	9.4
58.75°	15.1	14.5	13.9	13.2	12.5	11.9	11.3	10.9	10.5	10.0	9.6
57.5°	16.0	15.4	14.7	14.1	13.4	12.7	12.0	11.3	10.9	10.5	10.0
56.25°	17.0	16.3	15.6	14.9	14.2	13.5	12.7	12.0	11.3	10.9	10.4
55°	18.0	17.2	16.5	15.7	15.0	14.3	13.5	12.7	12.0	11.3	10.8
53.75°	19.2	18.2	17.3	16.6	15.8	15.1	14.3	13.5	12.7	11.9	11.2
52.5°	20.4	19.4	18.4	17.4	16.6	15.8	15.0	14.2	13.4	12.5	11.7
51.25°	21.5	20.5	19.5	18.4	17.4	16.6	15.7	14.9	14.1	13.2	12.3
50°	22.4	21.6	20.5	19.5	18.4	17.3	16.5	15.6	14.7	13.9	12.9
48.75°	23.2	22.4	21.6	20.5	19.4	18.2	17.2	16.3	15.4	14.5	13.6
47.5°	24.1	23.2	22.4	21.5	20.4	19.2	18.0	17.0	16.0	15.1	14.2
46.25°	24.8	24.1	23.2	22.3	21.3	20.1	18.9	17.6	16.7	15.7	14.8
45°	25.4	24.8	23.9	23.0	22.1	21.0	19.8	18.5	17.3	16.3	15.3
43.75°	26.0	25.3	24.6	23.8	22.8	21.8	20.7	19.4	18.0	16.9	15.9
42.5°	26.6	25.9	25.2	24.5	23.5	22.5	21.5	20.2	18.8	17.5	16.5
41.25°	27.2	26.5	25.7	25.0	24.2	23.2	22.2	21.0	19.6	18.2	17.0
40°	27.7	27.0	26.3	25.5	24.8	23.8	22.8	21.7	20.4	19.0	17.5
38.75°	28.3	27.5	26.8	26.0	25.2	24.5	23.4	22.3	21.1	19.7	18.2
37.5°	28.8	28.1	27.3	26.5	25.7	24.9	24.0	22.9	21.8	20.4	18.9
36.25°	29.4	28.6	27.8	27.0	26.2	25.4	24.5	23.4	22.3	21.1	19.5
35°	29.9	29.1	28.3	27.4	26.6	25.8	25.0	24.0	22.8	21.7	20.2



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	30.4	29.6	28.7	27.9	27.1	26.2	25.4	24.5	23.3	22.2	20.8
32.5°	30.9	30.0	29.2	28.3	27.5	26.6	25.8	24.9	23.8	22.6	21.4
31.25°	31.2	30.5	29.6	28.8	27.9	27.0	26.1	25.3	24.3	23.1	21.9
30°	31.5	30.9	30.1	29.2	28.3	27.4	26.5	25.6	24.7	23.5	22.3
28.75°	31.8	31.3	30.5	29.6	28.7	27.8	26.9	26.0	25.0	24.0	22.7
27.5°	32.0	31.5	30.9	30.0	29.1	28.1	27.2	26.3	25.3	24.4	23.1
26.25°	32.3	31.8	31.2	30.4	29.4	28.5	27.5	26.6	25.7	24.7	23.5
25°	32.5	32.0	31.4	30.7	29.8	28.8	27.9	26.9	25.9	25.0	23.8
23.75°	32.5	32.2	31.6	31.1	30.1	29.1	28.2	27.2	26.2	25.2	24.2
22.5°	32.6	32.4	31.8	31.3	30.4	29.4	28.5	27.5	26.5	25.5	24.5
21.25°	32.7	32.5	32.0	31.5	30.7	29.7	28.7	27.7	26.7	25.7	24.7
20°	32.8	32.6	32.2	31.6	31.0	30.0	29.0	28.0	27.0	26.0	25.0
18.75°	32.9	32.6	32.4	31.8	31.2	30.3	29.2	28.2	27.2	26.2	25.2
17.5°	32.9	32.7	32.5	32.0	31.4	30.5	29.5	28.5	27.4	26.4	25.4
16.25°	33.1	32.8	32.5	32.1	31.5	30.7	29.7	28.7	27.6	26.6	25.5
15°	33.2	32.8	32.6	32.2	31.6	31.0	29.9	28.9	27.8	26.8	25.7
13.75°	33.3	32.9	32.6	32.4	31.8	31.1	30.1	29.0	28.0	26.9	25.9
12.5°	33.4	32.9	32.7	32.4	31.9	31.2	30.3	29.2	28.1	27.1	26.0
11.25°	33.4	33.0	32.7	32.5	32.0	31.3	30.4	29.4	28.3	27.2	26.1
10°	33.5	33.1	32.8	32.5	32.1	31.4	30.6	29.5	28.4	27.3	26.3
8.75°	33.6	33.1	32.8	32.5	32.1	31.5	30.7	29.6	28.5	27.4	26.4
7.5°	33.6	33.2	32.8	32.6	32.2	31.6	30.8	29.7	28.6	27.5	26.5
6.25°	33.7	33.2	32.8	32.6	32.3	31.6	30.9	29.8	28.7	27.6	26.5
5°	33.7	33.3	32.9	32.6	32.3	31.7	31.0	29.9	28.8	27.7	26.6
3.75°	33.8	33.3	32.9	32.6	32.4	31.7	31.0	29.9	28.8	27.7	26.6
2.5°	33.8	33.3	32.9	32.6	32.4	31.7	31.1	30.0	28.9	27.8	26.7
1.25°	33.8	33.3	32.9	32.6	32.4	31.7	31.1	30.0	28.9	27.8	26.7
0°	33.8	33.4	32.9	32.7	32.4	31.8	31.1	30.0	28.9	27.8	26.7
-1.25°	33.8	33.3	32.9	32.6	32.4	31.7	31.1	30.0	28.9	27.8	26.7
-2.5°	33.8	33.3	32.9	32.6	32.4	31.7	31.1	30.0	28.9	27.8	26.7
-3.75°	33.8	33.3	32.9	32.6	32.4	31.7	31.0	29.9	28.8	27.7	26.6
-5°	33.7	33.3	32.9	32.6	32.3	31.7	31.0	29.9	28.8	27.7	26.6
-6.25°	33.7	33.2	32.8	32.6	32.3	31.6	30.9	29.8	28.7	27.6	26.5
-7.5°	33.6	33.2	32.8	32.6	32.2	31.6	30.8	29.7	28.6	27.5	26.5
-8.75°	33.6	33.1	32.8	32.5	32.1	31.5	30.7	29.6	28.5	27.4	26.4
-10°	33.5	33.1	32.8	32.5	32.1	31.4	30.6	29.5	28.4	27.3	26.3
-11.25°	33.4	33.0	32.7	32.5	32.0	31.3	30.4	29.4	28.3	27.2	26.1
-12.5°	33.4	32.9	32.7	32.4	31.9	31.2	30.3	29.2	28.1	27.1	26.0
-13.75°	33.3	32.9	32.6	32.4	31.8	31.1	30.1	29.0	28.0	26.9	25.9
-15°	33.2	32.8	32.6	32.2	31.6	31.0	29.9	28.9	27.8	26.8	25.7
-16.25°	33.1	32.8	32.5	32.1	31.5	30.7	29.7	28.7	27.6	26.6	25.5
-17.5°	32.9	32.7	32.5	32.0	31.4	30.5	29.5	28.5	27.4	26.4	25.4
-18.75°	32.9	32.6	32.4	31.8	31.2	30.3	29.2	28.2	27.2	26.2	25.2
-20°	32.8	32.6	32.2	31.6	31.0	30.0	29.0	28.0	27.0	26.0	25.0
-21.25°	32.7	32.5	32.0	31.5	30.7	29.7	28.7	27.7	26.7	25.7	24.7





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	32.6	32.4	31.8	31.3	30.4	29.4	28.5	27.5	26.5	25.5	24.5
-23.75°	32.5	32.2	31.6	31.1	30.1	29.1	28.2	27.2	26.2	25.2	24.2
-25°	32.5	32.0	31.4	30.7	29.8	28.8	27.9	26.9	25.9	25.0	23.8
-26.25°	32.3	31.8	31.2	30.4	29.4	28.5	27.5	26.6	25.7	24.7	23.5
-27.5°	32.0	31.5	30.9	30.0	29.1	28.1	27.2	26.3	25.3	24.4	23.1
-28.75°	31.8	31.3	30.5	29.6	28.7	27.8	26.9	26.0	25.0	24.0	22.7
-30°	31.5	30.9	30.1	29.2	28.3	27.4	26.5	25.6	24.7	23.5	22.3
-31.25°	31.2	30.5	29.6	28.8	27.9	27.0	26.1	25.3	24.3	23.1	21.9
-32.5°	30.9	30.0	29.2	28.3	27.5	26.6	25.8	24.9	23.8	22.6	21.4
-33.75°	30.4	29.6	28.7	27.9	27.1	26.2	25.4	24.5	23.3	22.2	20.8
-35°	29.9	29.1	28.3	27.4	26.6	25.8	25.0	24.0	22.8	21.7	20.2
-36.25°	29.4	28.6	27.8	27.0	26.2	25.4	24.5	23.4	22.3	21.1	19.5
-37.5°	28.8	28.1	27.3	26.5	25.7	24.9	24.0	22.9	21.8	20.4	18.9
-38.75°	28.3	27.5	26.8	26.0	25.2	24.5	23.4	22.3	21.1	19.7	18.2
-40°	27.7	27.0	26.3	25.5	24.8	23.8	22.8	21.7	20.4	19.0	17.5
-41.25°	27.2	26.5	25.7	25.0	24.2	23.2	22.2	21.0	19.6	18.2	17.0
-42.5°	26.6	25.9	25.2	24.5	23.5	22.5	21.5	20.2	18.8	17.5	16.5
-43.75°	26.0	25.3	24.6	23.8	22.8	21.8	20.7	19.4	18.0	16.9	15.9
-45°	25.4	24.8	23.9	23.0	22.1	21.0	19.8	18.5	17.3	16.3	15.3
-46.25°	24.8	24.1	23.2	22.3	21.3	20.1	18.9	17.6	16.7	15.7	14.8
-47.5°	24.1	23.2	22.4	21.5	20.4	19.2	18.0	17.0	16.0	15.1	14.2
-48.75°	23.2	22.4	21.6	20.5	19.4	18.2	17.2	16.3	15.4	14.5	13.6
-50°	22.4	21.6	20.5	19.5	18.4	17.3	16.5	15.6	14.7	13.9	12.9
-51.25°	21.5	20.5	19.5	18.4	17.4	16.6	15.7	14.9	14.1	13.2	12.3
-52.5°	20.4	19.4	18.4	17.4	16.6	15.8	15.0	14.2	13.4	12.5	11.7
-53.75°	19.2	18.2	17.3	16.6	15.8	15.1	14.3	13.5	12.7	11.9	11.2
-55°	18.0	17.2	16.5	15.7	15.0	14.3	13.5	12.7	12.0	11.3	10.8
-56.25°	17.0	16.3	15.6	14.9	14.2	13.5	12.7	12.0	11.3	10.9	10.4
-57.5°	16.0	15.4	14.7	14.1	13.4	12.7	12.0	11.3	10.9	10.5	10.0
-58.75°	15.1	14.5	13.9	13.2	12.5	11.9	11.3	10.9	10.5	10.0	9.6
-60°	14.2	13.6	12.9	12.3	11.7	11.2	10.8	10.4	10.0	9.6	9.4
-61.25°	13.2	12.6	12.0	11.4	11.1	10.7	10.3	10.0	9.6	9.4	9.3
-62.5°	12.2	11.7	11.2	10.9	10.6	10.2	9.9	9.6	9.4	9.2	9.1
-63.75°	11.3	11.0	10.7	10.4	10.0	9.7	9.5	9.4	9.2	9.0	8.9
-65°	10.7	10.4	10.1	9.8	9.6	9.4	9.3	9.1	9.0	8.9	8.6
-66.25°	10.2	9.9	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.6	8.3
-67.5°	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.5	8.3	8.0
-68.75°	9.3	9.2	9.1	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.7
-70°	9.1	9.0	8.9	8.7	8.5	8.4	8.2	8.0	7.8	7.6	7.4
-71.25°	8.8	8.7	8.5	8.3	8.2	8.0	7.8	7.6	7.5	7.1	6.8
-72.5°	8.4	8.2	8.1	7.9	7.8	7.6	7.4	7.2	6.9	6.6	6.3
-73.75°	8.0	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.3	6.0	5.8
-75°	7.5	7.3	7.1	6.9	6.7	6.4	6.2	6.0	5.7	5.5	5.3
-76.25°	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8
-77.5°	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.4



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.9
-80°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
-81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
-82.5°	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-83.75°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2
-85°	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8
-86.25°	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3
-87.5°	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9
-88.75°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5
86.25°	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
85°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
83.75°	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3
82.5°	2.5	2.4	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
81.25°	3.0	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8
80°	3.4	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0
78.75°	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.5	2.4	2.2
77.5°	4.2	4.0	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.5
76.25°	4.6	4.4	4.2	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.1	2.9
73.75°	5.5	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.2
72.5°	6.0	5.7	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6	3.4
71.25°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
70°	7.0	6.7	6.4	6.0	5.7	5.3	5.0	4.7	4.4	4.2	3.9
68.75°	7.5	7.2	6.8	6.5	6.1	5.7	5.3	5.0	4.7	4.4	4.1
67.5°	7.8	7.6	7.3	6.9	6.5	6.1	5.7	5.3	5.0	4.7	4.3
66.25°	8.1	7.9	7.6	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.6
65°	8.4	8.2	7.9	7.7	7.3	6.9	6.5	6.0	5.6	5.2	4.8
63.75°	8.7	8.4	8.2	7.9	7.6	7.3	6.8	6.4	5.9	5.4	5.0
62.5°	8.9	8.7	8.4	8.2	7.9	7.6	7.2	6.7	6.2	5.7	5.2
61.25°	9.1	8.9	8.7	8.4	8.1	7.8	7.5	7.0	6.5	6.0	5.5
60°	9.3	9.1	8.9	8.6	8.3	8.0	7.7	7.4	6.8	6.3	5.8
58.75°	9.4	9.2	9.0	8.9	8.6	8.3	7.9	7.6	7.1	6.6	6.0
57.5°	9.6	9.4	9.2	9.0	8.8	8.5	8.1	7.8	7.5	6.9	6.3
56.25°	10.0	9.6	9.4	9.1	8.9	8.7	8.3	8.0	7.6	7.2	6.6
55°	10.3	9.9	9.5	9.3	9.1	8.9	8.5	8.2	7.8	7.4	6.8
53.75°	10.7	10.2	9.7	9.4	9.2	9.0	8.7	8.4	8.0	7.6	7.1
52.5°	11.1	10.6	10.0	9.6	9.3	9.1	8.9	8.5	8.2	7.8	7.3
51.25°	11.4	10.9	10.4	9.8	9.5	9.2	9.0	8.7	8.3	7.9	7.5
50°	12.0	11.2	10.7	10.1	9.6	9.4	9.1	8.9	8.5	8.1	7.7
48.75°	12.6	11.7	11.0	10.4	9.9	9.5	9.2	9.0	8.7	8.2	7.8
47.5°	13.2	12.2	11.3	10.7	10.2	9.6	9.3	9.1	8.8	8.4	8.0
46.25°	13.8	12.8	11.8	11.0	10.4	9.8	9.4	9.2	8.9	8.5	8.1
45°	14.4	13.3	12.3	11.3	10.7	10.1	9.6	9.3	9.0	8.7	8.2
43.75°	14.9	13.9	12.8	11.7	11.0	10.4	9.7	9.4	9.1	8.8	8.4
42.5°	15.4	14.4	13.3	12.2	11.2	10.6	10.0	9.5	9.2	8.9	8.5
41.25°	15.9	14.9	13.8	12.7	11.6	10.8	10.2	9.6	9.3	9.0	8.6
40°	16.4	15.4	14.3	13.1	12.0	11.1	10.4	9.7	9.4	9.1	8.7
38.75°	16.9	15.8	14.7	13.6	12.4	11.3	10.6	9.9	9.4	9.1	8.8
37.5°	17.4	16.3	15.2	14.0	12.8	11.6	10.8	10.1	9.5	9.2	8.9
36.25°	18.0	16.7	15.6	14.4	13.2	12.0	11.0	10.3	9.6	9.3	9.0
35°	18.6	17.2	16.0	14.8	13.6	12.4	11.2	10.5	9.8	9.4	9.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	19.2	17.6	16.4	15.2	14.0	12.7	11.4	10.7	10.0	9.4	9.1
32.5°	19.8	18.2	16.8	15.6	14.3	13.0	11.8	10.9	10.1	9.5	9.2
31.25°	20.3	18.7	17.2	15.9	14.7	13.4	12.1	11.0	10.3	9.6	9.2
30°	20.9	19.2	17.5	16.3	15.0	13.7	12.4	11.2	10.4	9.7	9.3
28.75°	21.4	19.7	18.0	16.6	15.3	14.0	12.7	11.4	10.6	9.8	9.3
27.5°	21.8	20.2	18.5	16.9	15.6	14.3	13.0	11.6	10.7	9.9	9.4
26.25°	22.2	20.6	18.9	17.2	15.9	14.6	13.2	11.9	10.9	10.1	9.5
25°	22.5	21.1	19.3	17.5	16.2	14.9	13.5	12.1	11.0	10.2	9.5
23.75°	22.8	21.5	19.7	17.9	16.5	15.1	13.7	12.3	11.1	10.3	9.5
22.5°	23.2	21.8	20.1	18.3	16.7	15.3	14.0	12.5	11.2	10.4	9.6
21.25°	23.5	22.1	20.5	18.6	17.0	15.6	14.2	12.7	11.4	10.5	9.7
20°	23.7	22.4	20.8	18.9	17.2	15.8	14.4	12.9	11.5	10.6	9.8
18.75°	24.0	22.6	21.1	19.2	17.4	16.0	14.6	13.1	11.7	10.7	9.9
17.5°	24.3	22.9	21.4	19.5	17.6	16.2	14.8	13.3	11.8	10.8	9.9
16.25°	24.5	23.1	21.7	19.8	17.9	16.4	14.9	13.5	12.0	10.9	10.0
15°	24.7	23.3	21.8	20.0	18.1	16.5	15.1	13.6	12.1	11.0	10.1
13.75°	24.8	23.5	22.0	20.3	18.3	16.7	15.2	13.8	12.3	11.0	10.2
12.5°	24.9	23.7	22.2	20.5	18.5	16.8	15.4	13.9	12.4	11.1	10.2
11.25°	25.1	23.8	22.4	20.7	18.7	17.0	15.5	14.0	12.5	11.2	10.3
10°	25.2	24.0	22.5	20.9	18.9	17.1	15.6	14.1	12.6	11.2	10.3
8.75°	25.3	24.1	22.6	21.0	19.0	17.2	15.7	14.2	12.7	11.2	10.4
7.5°	25.4	24.2	22.7	21.1	19.2	17.3	15.8	14.3	12.7	11.3	10.4
6.25°	25.4	24.3	22.8	21.2	19.3	17.3	15.8	14.3	12.8	11.3	10.4
5°	25.5	24.4	22.9	21.3	19.3	17.4	15.9	14.4	12.9	11.4	10.5
3.75°	25.5	24.4	22.9	21.4	19.4	17.4	15.9	14.4	12.9	11.4	10.5
2.5°	25.6	24.5	23.0	21.5	19.5	17.5	16.0	14.5	12.9	11.4	10.5
1.25°	25.6	24.5	23.0	21.5	19.5	17.5	16.0	14.5	12.9	11.4	10.5
0°	25.6	24.5	23.0	21.5	19.5	17.5	16.0	14.5	13.0	11.4	10.5
-1.25°	25.6	24.5	23.0	21.5	19.5	17.5	16.0	14.5	12.9	11.4	10.5
-2.5°	25.6	24.5	23.0	21.5	19.5	17.5	16.0	14.5	12.9	11.4	10.5
-3.75°	25.5	24.4	22.9	21.4	19.4	17.4	15.9	14.4	12.9	11.4	10.5
-5°	25.5	24.4	22.9	21.3	19.3	17.4	15.9	14.4	12.9	11.4	10.5
-6.25°	25.4	24.3	22.8	21.2	19.3	17.3	15.8	14.3	12.8	11.3	10.4
-7.5°	25.4	24.2	22.7	21.1	19.2	17.3	15.8	14.3	12.7	11.3	10.4
-8.75°	25.3	24.1	22.6	21.0	19.0	17.2	15.7	14.2	12.7	11.2	10.4
-10°	25.2	24.0	22.5	20.9	18.9	17.1	15.6	14.1	12.6	11.2	10.3
-11.25°	25.1	23.8	22.4	20.7	18.7	17.0	15.5	14.0	12.5	11.2	10.3
-12.5°	24.9	23.7	22.2	20.5	18.5	16.8	15.4	13.9	12.4	11.1	10.2
-13.75°	24.8	23.5	22.0	20.3	18.3	16.7	15.2	13.8	12.3	11.0	10.2
-15°	24.7	23.3	21.8	20.0	18.1	16.5	15.1	13.6	12.1	11.0	10.1
-16.25°	24.5	23.1	21.7	19.8	17.9	16.4	14.9	13.5	12.0	10.9	10.0
-17.5°	24.3	22.9	21.4	19.5	17.6	16.2	14.8	13.3	11.8	10.8	9.9
-18.75°	24.0	22.6	21.1	19.2	17.4	16.0	14.6	13.1	11.7	10.7	9.9
-20°	23.7	22.4	20.8	18.9	17.2	15.8	14.4	12.9	11.5	10.6	9.8
-21.25°	23.5	22.1	20.5	18.6	17.0	15.6	14.2	12.7	11.4	10.5	9.7



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	23.2	21.8	20.1	18.3	16.7	15.3	14.0	12.5	11.2	10.4	9.6
-23.75°	22.8	21.5	19.7	17.9	16.5	15.1	13.7	12.3	11.1	10.3	9.5
-25°	22.5	21.1	19.3	17.5	16.2	14.9	13.5	12.1	11.0	10.2	9.5
-26.25°	22.2	20.6	18.9	17.2	15.9	14.6	13.2	11.9	10.9	10.1	9.5
-27.5°	21.8	20.2	18.5	16.9	15.6	14.3	13.0	11.6	10.7	9.9	9.4
-28.75°	21.4	19.7	18.0	16.6	15.3	14.0	12.7	11.4	10.6	9.8	9.3
-30°	20.9	19.2	17.5	16.3	15.0	13.7	12.4	11.2	10.4	9.7	9.3
-31.25°	20.3	18.7	17.2	15.9	14.7	13.4	12.1	11.0	10.3	9.6	9.2
-32.5°	19.8	18.2	16.8	15.6	14.3	13.0	11.8	10.9	10.1	9.5	9.2
-33.75°	19.2	17.6	16.4	15.2	14.0	12.7	11.4	10.7	10.0	9.4	9.1
-35°	18.6	17.2	16.0	14.8	13.6	12.4	11.2	10.5	9.8	9.4	9.0
-36.25°	18.0	16.7	15.6	14.4	13.2	12.0	11.0	10.3	9.6	9.3	9.0
-37.5°	17.4	16.3	15.2	14.0	12.8	11.6	10.8	10.1	9.5	9.2	8.9
-38.75°	16.9	15.8	14.7	13.6	12.4	11.3	10.6	9.9	9.4	9.1	8.8
-40°	16.4	15.4	14.3	13.1	12.0	11.1	10.4	9.7	9.4	9.1	8.7
-41.25°	15.9	14.9	13.8	12.7	11.6	10.8	10.2	9.6	9.3	9.0	8.6
-42.5°	15.4	14.4	13.3	12.2	11.2	10.6	10.0	9.5	9.2	8.9	8.5
-43.75°	14.9	13.9	12.8	11.7	11.0	10.4	9.7	9.4	9.1	8.8	8.4
-45°	14.4	13.3	12.3	11.3	10.7	10.1	9.6	9.3	9.0	8.7	8.2
-46.25°	13.8	12.8	11.8	11.0	10.4	9.8	9.4	9.2	8.9	8.5	8.1
-47.5°	13.2	12.2	11.3	10.7	10.2	9.6	9.3	9.1	8.8	8.4	8.0
-48.75°	12.6	11.7	11.0	10.4	9.9	9.5	9.2	9.0	8.7	8.2	7.8
-50°	12.0	11.2	10.7	10.1	9.6	9.4	9.1	8.9	8.5	8.1	7.7
-51.25°	11.4	10.9	10.4	9.8	9.5	9.2	9.0	8.7	8.3	7.9	7.5
-52.5°	11.1	10.6	10.0	9.6	9.3	9.1	8.9	8.5	8.2	7.8	7.3
-53.75°	10.7	10.2	9.7	9.4	9.2	9.0	8.7	8.4	8.0	7.6	7.1
-55°	10.3	9.9	9.5	9.3	9.1	8.9	8.5	8.2	7.8	7.4	6.8
-56.25°	10.0	9.6	9.4	9.1	8.9	8.7	8.3	8.0	7.6	7.2	6.6
-57.5°	9.6	9.4	9.2	9.0	8.8	8.5	8.1	7.8	7.5	6.9	6.3
-58.75°	9.4	9.2	9.0	8.9	8.6	8.3	7.9	7.6	7.1	6.6	6.0
-60°	9.3	9.1	8.9	8.6	8.3	8.0	7.7	7.4	6.8	6.3	5.8
-61.25°	9.1	8.9	8.7	8.4	8.1	7.8	7.5	7.0	6.5	6.0	5.5
-62.5°	8.9	8.7	8.4	8.2	7.9	7.6	7.2	6.7	6.2	5.7	5.2
-63.75°	8.7	8.4	8.2	7.9	7.6	7.3	6.8	6.4	5.9	5.4	5.0
-65°	8.4	8.2	7.9	7.7	7.3	6.9	6.5	6.0	5.6	5.2	4.8
-66.25°	8.1	7.9	7.6	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.6
-67.5°	7.8	7.6	7.3	6.9	6.5	6.1	5.7	5.3	5.0	4.7	4.3
-68.75°	7.5	7.2	6.8	6.5	6.1	5.7	5.3	5.0	4.7	4.4	4.1
-70°	7.0	6.7	6.4	6.0	5.7	5.3	5.0	4.7	4.4	4.2	3.9
-71.25°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
-72.5°	6.0	5.7	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6	3.4
-73.75°	5.5	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.2
-75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.1	2.9
-76.25°	4.6	4.4	4.2	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-77.5°	4.2	4.0	3.9	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.8	3.6	3.5	3.3	3.2	3.0	2.9	2.7	2.5	2.4	2.2
-80°	3.4	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.1	2.0
-81.25°	3.0	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8
-82.5°	2.5	2.4	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
-83.75°	2.1	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.4	1.3
-85°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-86.25°	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8
-87.5°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5
-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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
87.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1
86.25°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
85°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
83.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
82.5°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
81.25°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
80°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
78.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
77.5°	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.4
76.25°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
75°	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
73.75°	2.9	2.7	2.5	2.2	2.0	1.8	1.5	1.3	1.0	0.8	0.5
72.5°	3.1	2.9	2.6	2.4	2.1	1.9	1.6	1.4	1.1	0.8	0.5
71.25°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.2	0.9	0.6
70°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
68.75°	3.8	3.5	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.7
67.5°	4.0	3.7	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7
66.25°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
65°	4.4	4.1	3.7	3.3	3.0	2.6	2.3	1.9	1.5	1.1	0.8
63.75°	4.6	4.2	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
62.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.1	1.7	1.2	0.8
61.25°	5.0	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
60°	5.3	4.8	4.4	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
58.75°	5.5	5.0	4.5	4.1	3.6	3.2	2.7	2.3	1.9	1.4	0.9
57.5°	5.7	5.2	4.7	4.2	3.8	3.3	2.8	2.4	1.9	1.4	1.0
56.25°	6.0	5.4	4.9	4.4	3.9	3.4	2.9	2.5	2.0	1.5	1.0
55°	6.2	5.6	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
53.75°	6.4	5.8	5.2	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.1
52.5°	6.7	6.0	5.4	4.8	4.3	3.7	3.2	2.7	2.2	1.6	1.1
51.25°	6.9	6.2	5.6	5.0	4.4	3.8	3.3	2.8	2.2	1.7	1.1
50°	7.1	6.4	5.7	5.1	4.5	3.9	3.4	2.8	2.3	1.7	1.2
48.75°	7.3	6.6	5.9	5.2	4.6	4.0	3.5	2.9	2.3	1.8	1.2
47.5°	7.5	6.8	6.1	5.4	4.8	4.1	3.5	3.0	2.4	1.8	1.2
46.25°	7.7	7.0	6.3	5.5	4.9	4.2	3.6	3.0	2.4	1.9	1.2
45°	7.8	7.2	6.4	5.7	5.0	4.3	3.7	3.1	2.5	1.9	1.3
43.75°	7.9	7.4	6.6	5.8	5.1	4.4	3.8	3.2	2.6	1.9	1.3
42.5°	8.0	7.5	6.8	6.0	5.2	4.5	3.9	3.2	2.6	2.0	1.3
41.25°	8.1	7.7	6.9	6.1	5.3	4.6	4.0	3.3	2.7	2.0	1.4
40°	8.2	7.8	7.1	6.3	5.4	4.7	4.0	3.4	2.7	2.1	1.4
38.75°	8.4	7.9	7.3	6.4	5.5	4.8	4.1	3.4	2.8	2.1	1.4
37.5°	8.5	8.0	7.4	6.5	5.7	4.9	4.2	3.5	2.8	2.1	1.4
36.25°	8.6	8.0	7.5	6.7	5.8	5.0	4.3	3.5	2.8	2.2	1.5
35°	8.7	8.1	7.6	6.8	5.9	5.1	4.3	3.6	2.9	2.2	1.5



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	8.8	8.2	7.7	6.9	6.0	5.1	4.4	3.6	2.9	2.2	1.5
32.5°	8.8	8.3	7.8	7.0	6.1	5.2	4.5	3.7	3.0	2.3	1.5
31.25°	8.9	8.4	7.8	7.1	6.2	5.3	4.5	3.7	3.0	2.3	1.5
30°	8.9	8.5	7.9	7.3	6.3	5.4	4.6	3.8	3.0	2.3	1.6
28.75°	9.0	8.6	8.0	7.4	6.4	5.4	4.6	3.8	3.1	2.3	1.6
27.5°	9.0	8.6	8.1	7.5	6.5	5.5	4.7	3.9	3.1	2.4	1.6
26.25°	9.1	8.7	8.1	7.5	6.6	5.6	4.7	3.9	3.1	2.4	1.6
25°	9.1	8.8	8.2	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
23.75°	9.2	8.8	8.2	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
22.5°	9.2	8.9	8.3	7.7	6.8	5.8	4.9	4.1	3.2	2.5	1.7
21.25°	9.3	8.9	8.4	7.7	6.9	5.9	4.9	4.1	3.3	2.5	1.7
20°	9.3	8.9	8.4	7.8	7.0	5.9	5.0	4.1	3.3	2.5	1.7
18.75°	9.3	9.0	8.4	7.8	7.0	6.0	5.0	4.2	3.3	2.5	1.7
17.5°	9.4	9.0	8.5	7.9	7.1	6.0	5.0	4.2	3.3	2.5	1.7
16.25°	9.4	9.0	8.5	7.9	7.1	6.1	5.1	4.2	3.4	2.5	1.7
15°	9.4	9.0	8.6	7.9	7.2	6.1	5.1	4.2	3.4	2.6	1.7
13.75°	9.5	9.1	8.6	8.0	7.2	6.2	5.1	4.3	3.4	2.6	1.7
12.5°	9.5	9.1	8.6	8.0	7.3	6.2	5.2	4.3	3.4	2.6	1.8
11.25°	9.5	9.1	8.7	8.0	7.3	6.3	5.2	4.3	3.4	2.6	1.8
10°	9.5	9.1	8.7	8.1	7.4	6.3	5.2	4.3	3.4	2.6	1.8
8.75°	9.5	9.1	8.7	8.1	7.4	6.3	5.2	4.3	3.5	2.6	1.8
7.5°	9.6	9.2	8.7	8.1	7.4	6.3	5.3	4.4	3.5	2.6	1.8
6.25°	9.6	9.2	8.8	8.1	7.4	6.4	5.3	4.4	3.5	2.6	1.8
5°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
3.75°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
2.5°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
1.25°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
0°	9.6	9.2	8.8	8.2	7.5	6.4	5.3	4.4	3.5	2.7	1.8
-1.25°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
-2.5°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
-3.75°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
-5°	9.6	9.2	8.8	8.1	7.5	6.4	5.3	4.4	3.5	2.6	1.8
-6.25°	9.6	9.2	8.8	8.1	7.4	6.4	5.3	4.4	3.5	2.6	1.8
-7.5°	9.6	9.2	8.7	8.1	7.4	6.3	5.3	4.4	3.5	2.6	1.8
-8.75°	9.5	9.1	8.7	8.1	7.4	6.3	5.2	4.3	3.5	2.6	1.8
-10°	9.5	9.1	8.7	8.1	7.4	6.3	5.2	4.3	3.4	2.6	1.8
-11.25°	9.5	9.1	8.7	8.0	7.3	6.3	5.2	4.3	3.4	2.6	1.8
-12.5°	9.5	9.1	8.6	8.0	7.3	6.2	5.2	4.3	3.4	2.6	1.8
-13.75°	9.5	9.1	8.6	8.0	7.2	6.2	5.1	4.3	3.4	2.6	1.7
-15°	9.4	9.0	8.6	7.9	7.2	6.1	5.1	4.2	3.4	2.6	1.7
-16.25°	9.4	9.0	8.5	7.9	7.1	6.1	5.1	4.2	3.4	2.5	1.7
-17.5°	9.4	9.0	8.5	7.9	7.1	6.0	5.0	4.2	3.3	2.5	1.7
-18.75°	9.3	9.0	8.4	7.8	7.0	6.0	5.0	4.2	3.3	2.5	1.7
-20°	9.3	8.9	8.4	7.8	7.0	5.9	5.0	4.1	3.3	2.5	1.7
-21.25°	9.3	8.9	8.4	7.7	6.9	5.9	4.9	4.1	3.3	2.5	1.7





REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	9.2	8.9	8.3	7.7	6.8	5.8	4.9	4.1	3.2	2.5	1.7
-23.75°	9.2	8.8	8.2	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
-25°	9.1	8.8	8.2	7.6	6.7	5.7	4.8	4.0	3.2	2.4	1.6
-26.25°	9.1	8.7	8.1	7.5	6.6	5.6	4.7	3.9	3.1	2.4	1.6
-27.5°	9.0	8.6	8.1	7.5	6.5	5.5	4.7	3.9	3.1	2.4	1.6
-28.75°	9.0	8.6	8.0	7.4	6.4	5.4	4.6	3.8	3.1	2.3	1.6
-30°	8.9	8.5	7.9	7.3	6.3	5.4	4.6	3.8	3.0	2.3	1.6
-31.25°	8.9	8.4	7.8	7.1	6.2	5.3	4.5	3.7	3.0	2.3	1.5
-32.5°	8.8	8.3	7.8	7.0	6.1	5.2	4.5	3.7	3.0	2.3	1.5
-33.75°	8.8	8.2	7.7	6.9	6.0	5.1	4.4	3.6	2.9	2.2	1.5
-35°	8.7	8.1	7.6	6.8	5.9	5.1	4.3	3.6	2.9	2.2	1.5
-36.25°	8.6	8.0	7.5	6.7	5.8	5.0	4.3	3.5	2.8	2.2	1.5
-37.5°	8.5	8.0	7.4	6.5	5.7	4.9	4.2	3.5	2.8	2.1	1.4
-38.75°	8.4	7.9	7.3	6.4	5.5	4.8	4.1	3.4	2.8	2.1	1.4
-40°	8.2	7.8	7.1	6.3	5.4	4.7	4.0	3.4	2.7	2.1	1.4
-41.25°	8.1	7.7	6.9	6.1	5.3	4.6	4.0	3.3	2.7	2.0	1.4
-42.5°	8.0	7.5	6.8	6.0	5.2	4.5	3.9	3.2	2.6	2.0	1.3
-43.75°	7.9	7.4	6.6	5.8	5.1	4.4	3.8	3.2	2.6	1.9	1.3
-45°	7.8	7.2	6.4	5.7	5.0	4.3	3.7	3.1	2.5	1.9	1.3
-46.25°	7.7	7.0	6.3	5.5	4.9	4.2	3.6	3.0	2.4	1.9	1.2
-47.5°	7.5	6.8	6.1	5.4	4.8	4.1	3.5	3.0	2.4	1.8	1.2
-48.75°	7.3	6.6	5.9	5.2	4.6	4.0	3.5	2.9	2.3	1.8	1.2
-50°	7.1	6.4	5.7	5.1	4.5	3.9	3.4	2.8	2.3	1.7	1.2
-51.25°	6.9	6.2	5.6	5.0	4.4	3.8	3.3	2.8	2.2	1.7	1.1
-52.5°	6.7	6.0	5.4	4.8	4.3	3.7	3.2	2.7	2.2	1.6	1.1
-53.75°	6.4	5.8	5.2	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.1
-55°	6.2	5.6	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-56.25°	6.0	5.4	4.9	4.4	3.9	3.4	2.9	2.5	2.0	1.5	1.0
-57.5°	5.7	5.2	4.7	4.2	3.8	3.3	2.8	2.4	1.9	1.4	1.0
-58.75°	5.5	5.0	4.5	4.1	3.6	3.2	2.7	2.3	1.9	1.4	0.9
-60°	5.3	4.8	4.4	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
-61.25°	5.0	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-62.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.1	1.7	1.2	0.8
-63.75°	4.6	4.2	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
-65°	4.4	4.1	3.7	3.3	3.0	2.6	2.3	1.9	1.5	1.1	0.8
-66.25°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-67.5°	4.0	3.7	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7
-68.75°	3.8	3.5	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.7
-70°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-71.25°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-72.5°	3.1	2.9	2.6	2.4	2.1	1.9	1.6	1.4	1.1	0.8	0.5
-73.75°	2.9	2.7	2.5	2.2	2.0	1.8	1.5	1.3	1.0	0.8	0.5
-75°	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-76.25°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-77.5°	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.4



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-80°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-81.25°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-82.5°	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.2
-83.75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-85°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-86.25°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-87.5°	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1
-88.75°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	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: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.7	0.0
32.5°	0.8	0.0
31.25°	0.8	0.0
30°	0.8	0.0
28.75°	0.8	0.0
27.5°	0.8	0.0
26.25°	0.8	0.0
25°	0.8	0.0
23.75°	0.8	0.0
22.5°	0.8	0.0
21.25°	0.8	0.0
20°	0.8	0.0
18.75°	0.9	0.0
17.5°	0.9	0.0
16.25°	0.9	0.0
15°	0.9	0.0
13.75°	0.9	0.0
12.5°	0.9	0.0
11.25°	0.9	0.0
10°	0.9	0.0
8.75°	0.9	0.0
7.5°	0.9	0.0
6.25°	0.9	0.0
5°	0.9	0.0
3.75°	0.9	0.0
2.5°	0.9	0.0
1.25°	0.9	0.0
0°	0.9	0.0
-1.25°	0.9	0.0
-2.5°	0.9	0.0
-3.75°	0.9	0.0
-5°	0.9	0.0
-6.25°	0.9	0.0
-7.5°	0.9	0.0
-8.75°	0.9	0.0
-10°	0.9	0.0
-11.25°	0.9	0.0
-12.5°	0.9	0.0
-13.75°	0.9	0.0
-15°	0.9	0.0
-16.25°	0.9	0.0
-17.5°	0.9	0.0
-18.75°	0.9	0.0
-20°	0.8	0.0
-21.25°	0.8	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	0.8	0.0
-23.75°	0.8	0.0
-25°	0.8	0.0
-26.25°	0.8	0.0
-27.5°	0.8	0.0
-28.75°	0.8	0.0
-30°	0.8	0.0
-31.25°	0.8	0.0
-32.5°	0.8	0.0
-33.75°	0.7	0.0
-35°	0.7	0.0
-36.25°	0.7	0.0
-37.5°	0.7	0.0
-38.75°	0.7	0.0
-40°	0.7	0.0
-41.25°	0.7	0.0
-42.5°	0.7	0.0
-43.75°	0.7	0.0
-45°	0.6	0.0
-46.25°	0.6	0.0
-47.5°	0.6	0.0
-48.75°	0.6	0.0
-50°	0.6	0.0
-51.25°	0.6	0.0
-52.5°	0.5	0.0
-53.75°	0.5	0.0
-55°	0.5	0.0
-56.25°	0.5	0.0
-57.5°	0.5	0.0
-58.75°	0.5	0.0
-60°	0.4	0.0
-61.25°	0.4	0.0
-62.5°	0.4	0.0
-63.75°	0.4	0.0
-65°	0.4	0.0
-66.25°	0.4	0.0
-67.5°	0.3	0.0
-68.75°	0.3	0.0
-70°	0.3	0.0
-71.25°	0.3	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220452 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)