

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: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV**

Issue Date: 3/3/2020

**Test Information**

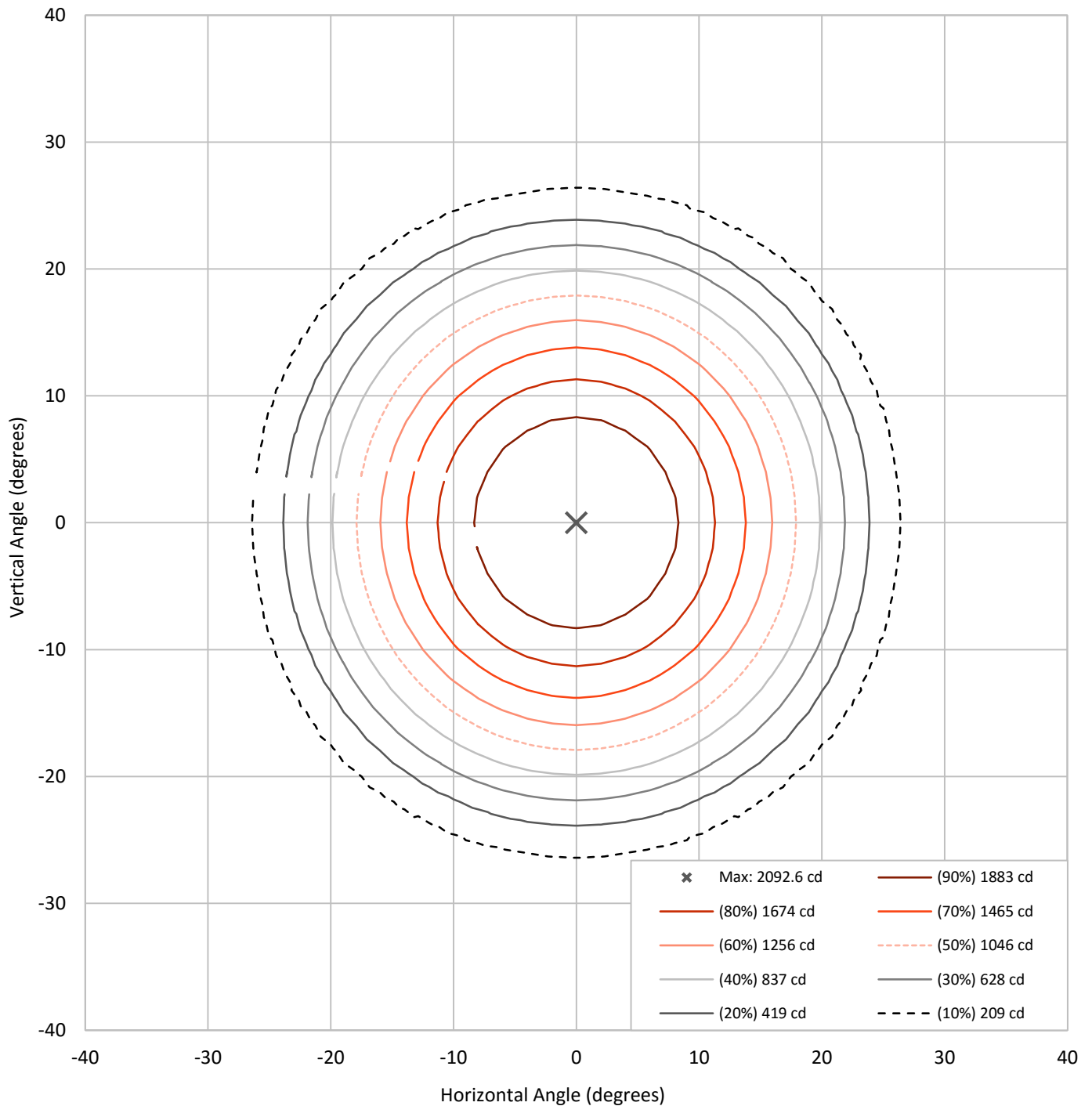
Test Method: LM-79-08  
Report Number: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV  
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,  
FLOOD OPTIC, WHITE HOUSING.  
Light Source: (1) 3500K CCT, 97 CRI LED  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	814.7 lumens	Max Intensity:	2092.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	479 lumens	Field Lumens:	680.4 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Iso-Candela Plot





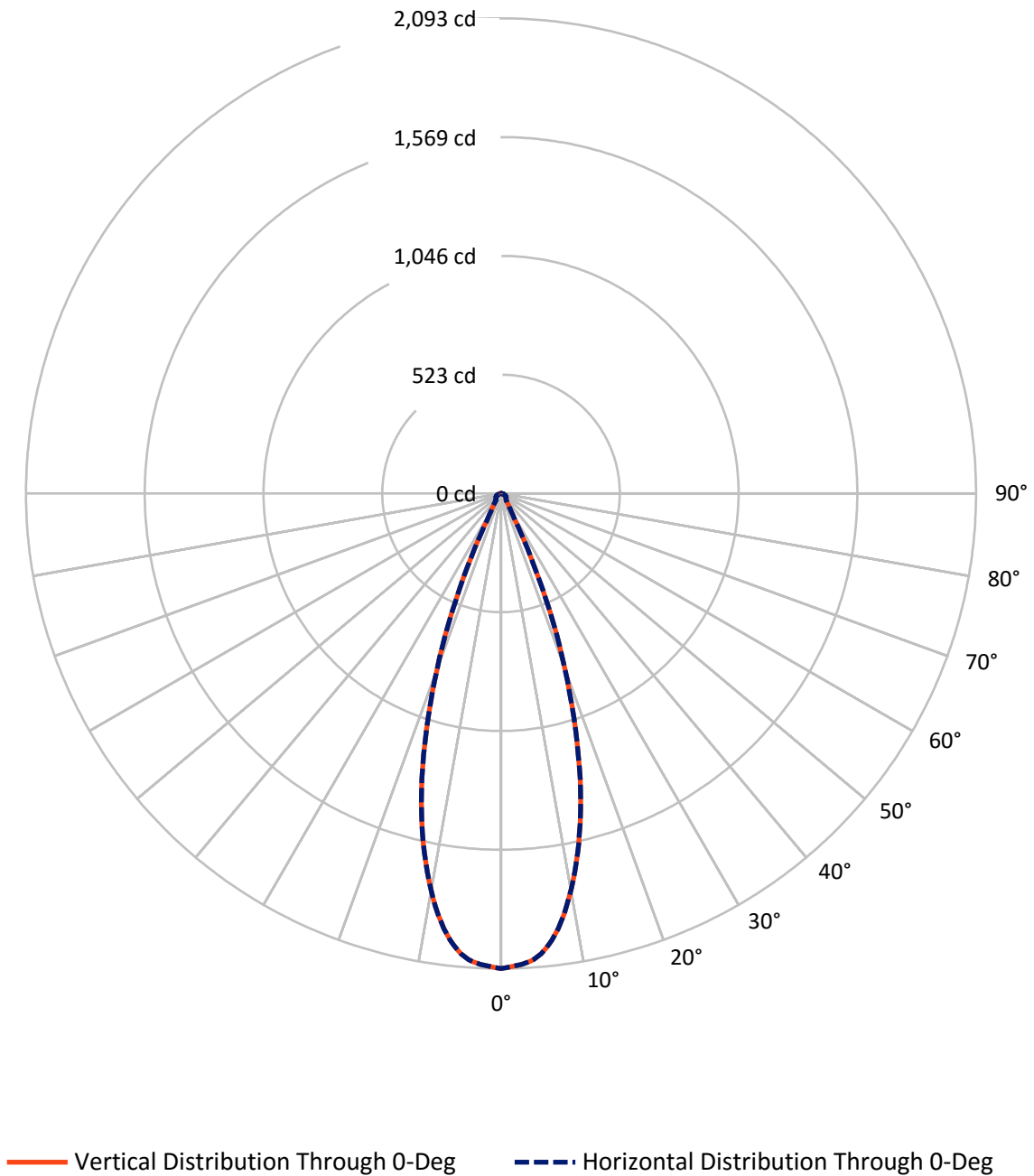
REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Lumen Table

90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0											
80	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0											
70	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1				
60		0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1					
50	0.1	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.1	0.1				
40		0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2					
30	0.2	0.2	0.4	0.6	0.8	1.4	4.1	9.6	9.6	4.1	1.4	0.8	0.6	0.4	0.2	0.2				
20		0.2	0.5	0.7	1.0	3.9	20.5	37.3	37.3	20.5	3.9	1.0	0.7	0.5	0.2					
10	0.2	0.2	0.5	0.7	1.2	8.9	36.3	57.3	57.3	36.3	8.9	1.2	0.7	0.5	0.2	0.2				
0		0.2	0.5	0.7	1.2	8.9	36.3	57.3	57.3	36.3	8.9	1.2	0.7	0.5	0.2					
-10	0.2	0.2	0.5	0.7	1.2	8.9	36.3	57.3	57.3	36.3	8.9	1.2	0.7	0.5	0.2	0.2				
-20		0.2	0.4	0.6	0.8	1.4	4.1	9.6	9.6	4.1	1.4	0.8	0.6	0.4	0.2					
-30	0.1	0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2	0.1				
-40		0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.1					
-50	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.1				
-60		0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1					
-70	0.0	0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2	0.0				
-80		0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2					
-90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0											
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	

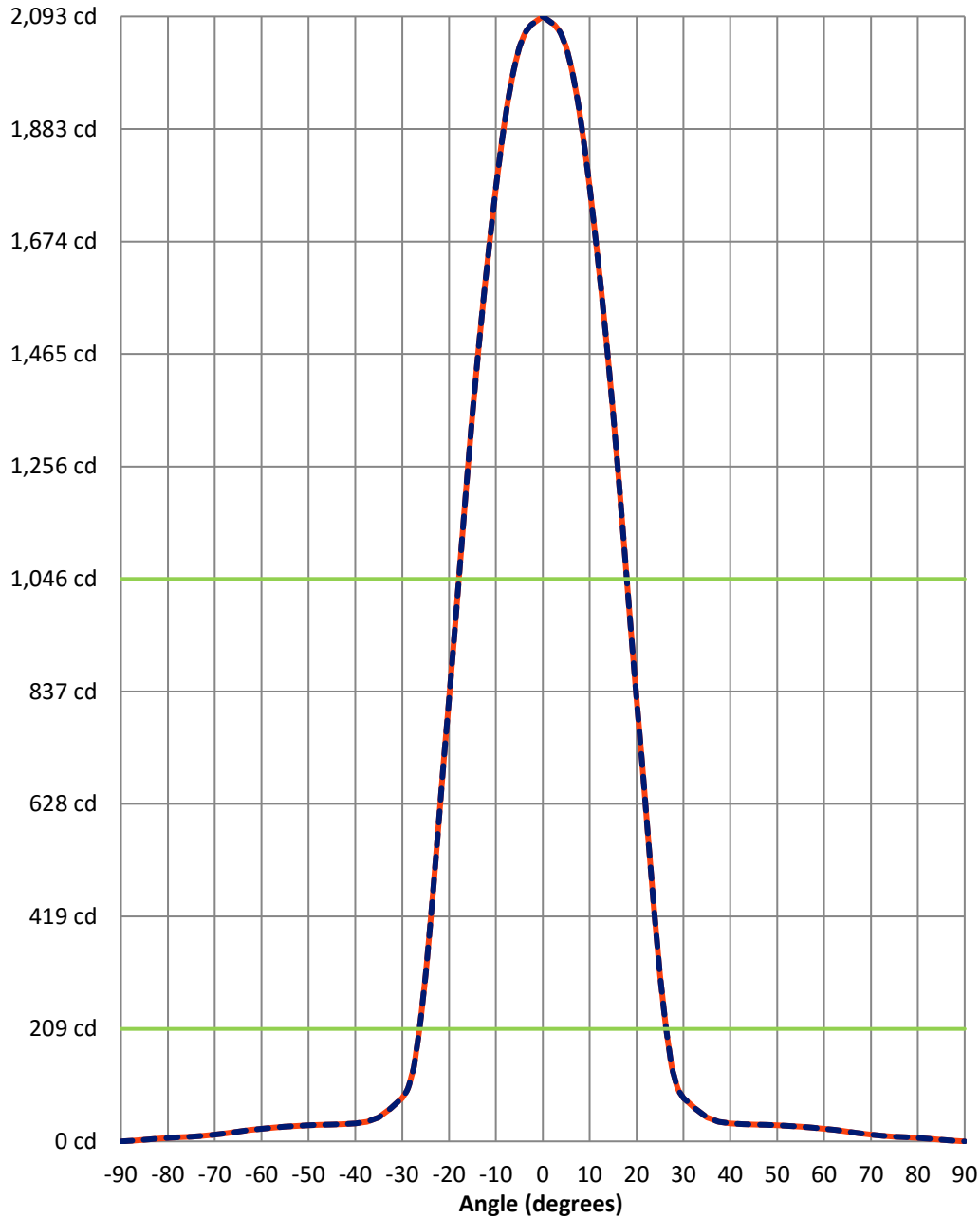
REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Luminous Intensity Polar Plot



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

### Luminous Intensity Plot



**Beam:**  
 H Angle: 35.8°  
 V Angle: 35.8°  
 Lumens: 479  
 Efficiency: 58.8%

**Field:**  
 H Angle: 52.6°  
 V Angle: 52.6°  
 Lumens: 680.4  
 Efficiency: 83.5%

**Spill:**  
 Lumens: 134.2  
 Efficiency: 16.5%

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



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
85°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
83.75°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
82.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
81.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
80°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
78.75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4
76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0
72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1
71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3
70°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.5
68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	2.1	2.4	2.7
67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.9	2.2	2.5	2.8
66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	2.0	2.3	2.7	3.0
65°	0.0	0.3	0.5	0.8	1.1	1.4	1.8	2.1	2.5	2.8	3.2
63.75°	0.0	0.3	0.6	0.9	1.1	1.5	1.9	2.2	2.6	3.0	3.4
62.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.3	2.7	3.1	3.5
61.25°	0.0	0.3	0.6	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7
60°	0.0	0.3	0.6	1.0	1.3	1.7	2.1	2.6	3.0	3.4	3.9
58.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.2	2.7	3.1	3.6	4.0
57.5°	0.0	0.3	0.7	1.0	1.4	1.9	2.3	2.8	3.3	3.7	4.2
56.25°	0.0	0.4	0.7	1.1	1.5	2.0	2.4	2.9	3.4	3.9	4.4
55°	0.0	0.4	0.7	1.1	1.5	2.0	2.5	3.0	3.5	4.0	4.5
53.75°	0.0	0.4	0.8	1.2	1.6	2.1	2.6	3.1	3.6	4.2	4.7
52.5°	0.0	0.4	0.8	1.2	1.7	2.2	2.7	3.2	3.8	4.3	4.8
51.25°	0.0	0.4	0.8	1.2	1.7	2.3	2.8	3.3	3.9	4.5	5.0
50°	0.0	0.4	0.8	1.3	1.8	2.3	2.9	3.4	4.0	4.6	5.1
48.75°	0.0	0.4	0.9	1.3	1.8	2.4	3.0	3.5	4.1	4.7	5.3
47.5°	0.0	0.4	0.9	1.3	1.9	2.5	3.0	3.6	4.3	4.9	5.4
46.25°	0.0	0.4	0.9	1.4	1.9	2.5	3.1	3.7	4.4	5.0	5.6
45°	0.0	0.5	0.9	1.4	2.0	2.6	3.2	3.8	4.5	5.1	5.7
43.75°	0.0	0.5	0.9	1.4	2.1	2.7	3.3	3.9	4.6	5.2	5.8
42.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.4	4.0	4.7	5.3	5.9
41.25°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.1	4.8	5.4	6.1
40°	0.0	0.5	1.0	1.6	2.2	2.9	3.5	4.2	4.9	5.5	6.2
38.75°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.3	5.0	5.7	6.3
37.5°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.4	5.1	5.8	6.4
36.25°	0.0	0.5	1.0	1.7	2.3	3.0	3.8	4.5	5.2	5.9	6.5
35°	0.0	0.5	1.1	1.7	2.4	3.1	3.8	4.6	5.3	6.0	6.6



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.5	1.1	1.7	2.4	3.1	3.9	4.6	5.3	6.0	6.7
32.5°	0.0	0.5	1.1	1.8	2.5	3.2	4.0	4.7	5.4	6.1	6.8
31.25°	0.0	0.6	1.1	1.8	2.5	3.2	4.0	4.8	5.5	6.2	6.8
30°	0.0	0.6	1.1	1.8	2.5	3.3	4.1	4.8	5.6	6.3	6.9
28.75°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.9	5.7	6.4	7.0
27.5°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.7	6.5	7.1
26.25°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.8	6.5	7.1
25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
23.75°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
22.5°	0.0	0.6	1.2	2.0	2.7	3.6	4.4	5.2	6.0	6.7	7.3
21.25°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.4
20°	0.0	0.6	1.2	2.0	2.8	3.6	4.5	5.3	6.1	6.8	7.4
18.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.3	6.1	6.8	7.4
17.5°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	6.9	7.5
16.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.6	5.4	6.2	6.9	7.5
15°	0.0	0.6	1.3	2.1	2.9	3.7	4.6	5.4	6.3	6.9	7.6
13.75°	0.0	0.6	1.3	2.1	2.9	3.8	4.6	5.5	6.3	7.0	7.6
12.5°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.3	7.0	7.6
11.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.4	7.0	7.7
10°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.4	7.1	7.7
8.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.6	6.4	7.1	7.7
7.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.4	7.1	7.7
6.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
3.75°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
2.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
1.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
0°	0.0	0.6	1.3	2.2	3.0	3.9	4.8	5.7	6.5	7.2	7.8
-1.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-2.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-3.75°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-6.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-7.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.4	7.1	7.7
-8.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.6	6.4	7.1	7.7
-10°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.4	7.1	7.7
-11.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.4	7.0	7.7
-12.5°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.3	7.0	7.6
-13.75°	0.0	0.6	1.3	2.1	2.9	3.8	4.6	5.5	6.3	7.0	7.6
-15°	0.0	0.6	1.3	2.1	2.9	3.7	4.6	5.4	6.3	6.9	7.6
-16.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.6	5.4	6.2	6.9	7.5
-17.5°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	6.9	7.5
-18.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.3	6.1	6.8	7.4
-20°	0.0	0.6	1.2	2.0	2.8	3.6	4.5	5.3	6.1	6.8	7.4
-21.25°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.4





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.6	1.2	2.0	2.7	3.6	4.4	5.2	6.0	6.7	7.3
-23.75°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
-25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
-26.25°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.8	6.5	7.1
-27.5°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.7	6.5	7.1
-28.75°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.9	5.7	6.4	7.0
-30°	0.0	0.6	1.1	1.8	2.5	3.3	4.1	4.8	5.6	6.3	6.9
-31.25°	0.0	0.6	1.1	1.8	2.5	3.2	4.0	4.8	5.5	6.2	6.8
-32.5°	0.0	0.5	1.1	1.8	2.5	3.2	4.0	4.7	5.4	6.1	6.8
-33.75°	0.0	0.5	1.1	1.7	2.4	3.1	3.9	4.6	5.3	6.0	6.7
-35°	0.0	0.5	1.1	1.7	2.4	3.1	3.8	4.6	5.3	6.0	6.6
-36.25°	0.0	0.5	1.0	1.7	2.3	3.0	3.8	4.5	5.2	5.9	6.5
-37.5°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.4	5.1	5.8	6.4
-38.75°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.3	5.0	5.7	6.3
-40°	0.0	0.5	1.0	1.6	2.2	2.9	3.5	4.2	4.9	5.5	6.2
-41.25°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.1	4.8	5.4	6.1
-42.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.4	4.0	4.7	5.3	5.9
-43.75°	0.0	0.5	0.9	1.4	2.1	2.7	3.3	3.9	4.6	5.2	5.8
-45°	0.0	0.5	0.9	1.4	2.0	2.6	3.2	3.8	4.5	5.1	5.7
-46.25°	0.0	0.4	0.9	1.4	1.9	2.5	3.1	3.7	4.4	5.0	5.6
-47.5°	0.0	0.4	0.9	1.3	1.9	2.5	3.0	3.6	4.3	4.9	5.4
-48.75°	0.0	0.4	0.9	1.3	1.8	2.4	3.0	3.5	4.1	4.7	5.3
-50°	0.0	0.4	0.8	1.3	1.8	2.3	2.9	3.4	4.0	4.6	5.1
-51.25°	0.0	0.4	0.8	1.2	1.7	2.3	2.8	3.3	3.9	4.5	5.0
-52.5°	0.0	0.4	0.8	1.2	1.7	2.2	2.7	3.2	3.8	4.3	4.8
-53.75°	0.0	0.4	0.8	1.2	1.6	2.1	2.6	3.1	3.6	4.2	4.7
-55°	0.0	0.4	0.7	1.1	1.5	2.0	2.5	3.0	3.5	4.0	4.5
-56.25°	0.0	0.4	0.7	1.1	1.5	2.0	2.4	2.9	3.4	3.9	4.4
-57.5°	0.0	0.3	0.7	1.0	1.4	1.9	2.3	2.8	3.3	3.7	4.2
-58.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.2	2.7	3.1	3.6	4.0
-60°	0.0	0.3	0.6	1.0	1.3	1.7	2.1	2.6	3.0	3.4	3.9
-61.25°	0.0	0.3	0.6	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.3	2.7	3.1	3.5
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	1.9	2.2	2.6	3.0	3.4
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.8	2.1	2.5	2.8	3.2
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	2.0	2.3	2.7	3.0
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.9	2.2	2.5	2.8
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	2.1	2.4	2.7
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.5
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-80°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-81.25°	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	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-83.75°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-85°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
-86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
-88.75°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.8	1.9
81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2
80°	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6
78.75°	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0
77.5°	1.6	1.8	2.0	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4
76.25°	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7
75°	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1
73.75°	2.2	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5
72.5°	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.4	4.7	4.9
71.25°	2.6	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3
70°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.6
68.75°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0
67.5°	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3
66.25°	3.4	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.4	6.6
65°	3.6	3.9	4.3	4.7	5.0	5.4	5.7	6.0	6.4	6.7	6.9
63.75°	3.7	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2
62.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.2	7.4
61.25°	4.1	4.5	5.0	5.4	5.7	6.1	6.5	6.8	7.1	7.4	7.7
60°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.0	7.3	7.6	7.9
58.75°	4.5	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.1
57.5°	4.7	5.1	5.6	6.0	6.5	6.8	7.1	7.5	7.8	8.0	8.2
56.25°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.2	8.4
55°	5.0	5.5	6.0	6.5	6.8	7.2	7.5	7.9	8.1	8.4	8.6
53.75°	5.2	5.7	6.2	6.6	7.0	7.4	7.7	8.0	8.3	8.5	8.8
52.5°	5.4	5.9	6.4	6.8	7.2	7.5	7.9	8.1	8.4	8.7	9.1
51.25°	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.3	8.6	8.9	9.4
50°	5.7	6.2	6.7	7.1	7.5	7.9	8.1	8.4	8.7	9.2	9.7
48.75°	5.8	6.4	6.8	7.2	7.7	8.0	8.3	8.6	9.0	9.5	10.0
47.5°	6.0	6.5	7.0	7.4	7.8	8.1	8.4	8.7	9.2	9.8	10.3
46.25°	6.1	6.7	7.1	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7
45°	6.3	6.8	7.2	7.7	8.0	8.3	8.6	9.2	9.8	10.3	11.0
43.75°	6.4	6.9	7.4	7.8	8.1	8.4	8.8	9.4	10.0	10.6	11.4
42.5°	6.5	7.0	7.5	7.9	8.2	8.6	9.0	9.6	10.2	11.0	11.7
41.25°	6.7	7.1	7.6	8.0	8.3	8.7	9.3	9.9	10.5	11.3	12.1
40°	6.8	7.2	7.7	8.1	8.4	8.8	9.5	10.1	10.8	11.6	12.4
38.75°	6.9	7.4	7.8	8.2	8.5	9.0	9.7	10.3	11.1	11.9	12.8
37.5°	7.0	7.5	7.9	8.3	8.6	9.2	9.9	10.6	11.4	12.2	13.2
36.25°	7.0	7.6	8.0	8.4	8.7	9.4	10.1	10.8	11.7	12.5	13.5
35°	7.1	7.7	8.1	8.4	8.9	9.6	10.2	11.1	12.0	12.9	13.9



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	7.2	7.8	8.1	8.5	9.0	9.7	10.4	11.3	12.2	13.2	14.2
32.5°	7.3	7.8	8.2	8.6	9.2	9.9	10.7	11.6	12.5	13.5	14.6
31.25°	7.4	7.9	8.3	8.7	9.3	10.1	10.9	11.8	12.7	13.8	14.9
30°	7.5	8.0	8.3	8.8	9.5	10.2	11.1	12.0	13.0	14.1	15.2
28.75°	7.6	8.0	8.4	8.9	9.6	10.4	11.3	12.3	13.3	14.4	15.6
27.5°	7.6	8.1	8.5	9.0	9.8	10.5	11.5	12.5	13.6	14.7	15.9
26.25°	7.7	8.1	8.5	9.1	9.9	10.7	11.7	12.7	13.8	15.0	16.2
25°	7.8	8.2	8.6	9.3	10.0	10.9	11.9	12.9	14.1	15.2	16.6
23.75°	7.8	8.2	8.6	9.4	10.1	11.1	12.0	13.1	14.3	15.5	16.9
22.5°	7.9	8.3	8.7	9.5	10.2	11.2	12.2	13.3	14.5	15.8	17.1
21.25°	7.9	8.3	8.8	9.6	10.4	11.4	12.4	13.5	14.7	16.0	17.4
20°	7.9	8.4	8.9	9.7	10.5	11.5	12.5	13.7	14.9	16.3	17.7
18.75°	8.0	8.4	8.9	9.7	10.6	11.6	12.7	13.9	15.1	16.5	17.9
17.5°	8.0	8.4	9.0	9.8	10.7	11.8	12.8	14.1	15.3	16.7	18.1
16.25°	8.0	8.5	9.1	9.9	10.8	11.9	13.0	14.2	15.5	16.9	18.4
15°	8.1	8.5	9.2	10.0	10.9	12.0	13.1	14.4	15.7	17.1	18.6
13.75°	8.1	8.5	9.2	10.0	11.0	12.1	13.2	14.5	15.8	17.3	18.7
12.5°	8.1	8.6	9.3	10.1	11.1	12.2	13.4	14.6	16.0	17.4	18.9
11.25°	8.2	8.6	9.3	10.2	11.2	12.2	13.5	14.7	16.1	17.6	19.1
10°	8.2	8.6	9.4	10.2	11.2	12.3	13.5	14.8	16.2	17.7	19.2
8.75°	8.2	8.6	9.4	10.3	11.3	12.4	13.6	14.9	16.3	17.8	19.3
7.5°	8.2	8.7	9.5	10.3	11.4	12.4	13.7	15.0	16.4	17.9	19.5
6.25°	8.2	8.7	9.5	10.3	11.4	12.5	13.8	15.1	16.5	18.0	19.5
5°	8.2	8.7	9.5	10.4	11.4	12.5	13.8	15.1	16.6	18.1	19.6
3.75°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.1	16.6	18.1	19.7
2.5°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
1.25°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
0°	8.3	8.7	9.6	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.8
-1.25°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
-2.5°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
-3.75°	8.2	8.7	9.5	10.4	11.5	12.6	13.9	15.1	16.6	18.1	19.7
-5°	8.2	8.7	9.5	10.4	11.4	12.5	13.8	15.1	16.6	18.1	19.6
-6.25°	8.2	8.7	9.5	10.3	11.4	12.5	13.8	15.1	16.5	18.0	19.5
-7.5°	8.2	8.7	9.5	10.3	11.4	12.4	13.7	15.0	16.4	17.9	19.5
-8.75°	8.2	8.6	9.4	10.3	11.3	12.4	13.6	14.9	16.3	17.8	19.3
-10°	8.2	8.6	9.4	10.2	11.2	12.3	13.5	14.8	16.2	17.7	19.2
-11.25°	8.2	8.6	9.3	10.2	11.2	12.2	13.5	14.7	16.1	17.6	19.1
-12.5°	8.1	8.6	9.3	10.1	11.1	12.2	13.4	14.6	16.0	17.4	18.9
-13.75°	8.1	8.5	9.2	10.0	11.0	12.1	13.2	14.5	15.8	17.3	18.7
-15°	8.1	8.5	9.2	10.0	10.9	12.0	13.1	14.4	15.7	17.1	18.6
-16.25°	8.0	8.5	9.1	9.9	10.8	11.9	13.0	14.2	15.5	16.9	18.4
-17.5°	8.0	8.4	9.0	9.8	10.7	11.8	12.8	14.1	15.3	16.7	18.1
-18.75°	8.0	8.4	8.9	9.7	10.6	11.6	12.7	13.9	15.1	16.5	17.9
-20°	7.9	8.4	8.9	9.7	10.5	11.5	12.5	13.7	14.9	16.3	17.7
-21.25°	7.9	8.3	8.8	9.6	10.4	11.4	12.4	13.5	14.7	16.0	17.4



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	7.9	8.3	8.7	9.5	10.2	11.2	12.2	13.3	14.5	15.8	17.1
-23.75°	7.8	8.2	8.6	9.4	10.1	11.1	12.0	13.1	14.3	15.5	16.9
-25°	7.8	8.2	8.6	9.3	10.0	10.9	11.9	12.9	14.1	15.2	16.6
-26.25°	7.7	8.1	8.5	9.1	9.9	10.7	11.7	12.7	13.8	15.0	16.2
-27.5°	7.6	8.1	8.5	9.0	9.8	10.5	11.5	12.5	13.6	14.7	15.9
-28.75°	7.6	8.0	8.4	8.9	9.6	10.4	11.3	12.3	13.3	14.4	15.6
-30°	7.5	8.0	8.3	8.8	9.5	10.2	11.1	12.0	13.0	14.1	15.2
-31.25°	7.4	7.9	8.3	8.7	9.3	10.1	10.9	11.8	12.7	13.8	14.9
-32.5°	7.3	7.8	8.2	8.6	9.2	9.9	10.7	11.6	12.5	13.5	14.6
-33.75°	7.2	7.8	8.1	8.5	9.0	9.7	10.4	11.3	12.2	13.2	14.2
-35°	7.1	7.7	8.1	8.4	8.9	9.6	10.2	11.1	12.0	12.9	13.9
-36.25°	7.0	7.6	8.0	8.4	8.7	9.4	10.1	10.8	11.7	12.5	13.5
-37.5°	7.0	7.5	7.9	8.3	8.6	9.2	9.9	10.6	11.4	12.2	13.2
-38.75°	6.9	7.4	7.8	8.2	8.5	9.0	9.7	10.3	11.1	11.9	12.8
-40°	6.8	7.2	7.7	8.1	8.4	8.8	9.5	10.1	10.8	11.6	12.4
-41.25°	6.7	7.1	7.6	8.0	8.3	8.7	9.3	9.9	10.5	11.3	12.1
-42.5°	6.5	7.0	7.5	7.9	8.2	8.6	9.0	9.6	10.2	11.0	11.7
-43.75°	6.4	6.9	7.4	7.8	8.1	8.4	8.8	9.4	10.0	10.6	11.4
-45°	6.3	6.8	7.2	7.7	8.0	8.3	8.6	9.2	9.8	10.3	11.0
-46.25°	6.1	6.7	7.1	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7
-47.5°	6.0	6.5	7.0	7.4	7.8	8.1	8.4	8.7	9.2	9.8	10.3
-48.75°	5.8	6.4	6.8	7.2	7.7	8.0	8.3	8.6	9.0	9.5	10.0
-50°	5.7	6.2	6.7	7.1	7.5	7.9	8.1	8.4	8.7	9.2	9.7
-51.25°	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.3	8.6	8.9	9.4
-52.5°	5.4	5.9	6.4	6.8	7.2	7.5	7.9	8.1	8.4	8.7	9.1
-53.75°	5.2	5.7	6.2	6.6	7.0	7.4	7.7	8.0	8.3	8.5	8.8
-55°	5.0	5.5	6.0	6.5	6.8	7.2	7.5	7.9	8.1	8.4	8.6
-56.25°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.2	8.4
-57.5°	4.7	5.1	5.6	6.0	6.5	6.8	7.1	7.5	7.8	8.0	8.2
-58.75°	4.5	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.1
-60°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.0	7.3	7.6	7.9
-61.25°	4.1	4.5	5.0	5.4	5.7	6.1	6.5	6.8	7.1	7.4	7.7
-62.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.2	7.4
-63.75°	3.7	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2
-65°	3.6	3.9	4.3	4.7	5.0	5.4	5.7	6.0	6.4	6.7	6.9
-66.25°	3.4	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.4	6.6
-67.5°	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3
-68.75°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0
-70°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.6
-71.25°	2.6	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3
-72.5°	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.4	4.7	4.9
-73.75°	2.2	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5
-75°	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1
-76.25°	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7
-77.5°	1.6	1.8	2.0	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0
-80°	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6
-81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2
-82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.8	1.9
-83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
-85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
-87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
85°	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8
83.75°	1.6	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3
82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
81.25°	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
80°	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0
78.75°	3.1	3.3	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6
77.5°	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0	5.1
76.25°	3.9	4.1	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.7
75°	4.3	4.5	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2
73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
72.5°	5.1	5.4	5.6	5.8	6.0	6.2	6.5	6.6	6.8	6.9	7.1
71.25°	5.5	5.7	6.0	6.2	6.5	6.6	6.8	7.0	7.2	7.3	7.5
70°	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.9
68.75°	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.1
67.5°	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.4
66.25°	6.9	7.1	7.3	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
65°	7.2	7.4	7.6	7.9	8.0	8.2	8.4	8.5	8.7	8.9	9.2
63.75°	7.4	7.7	7.9	8.1	8.2	8.4	8.6	8.8	9.1	9.4	9.7
62.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2
61.25°	7.9	8.1	8.3	8.5	8.7	9.0	9.4	9.7	10.1	10.4	10.8
60°	8.1	8.3	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.5
58.75°	8.3	8.5	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.1
57.5°	8.5	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.8
56.25°	8.7	9.0	9.5	9.9	10.3	10.8	11.4	11.9	12.4	13.0	13.6
55°	8.9	9.4	9.8	10.3	10.8	11.4	11.9	12.4	13.1	13.7	14.3
53.75°	9.3	9.7	10.2	10.7	11.3	11.9	12.4	13.1	13.7	14.4	15.0
52.5°	9.6	10.1	10.6	11.2	11.8	12.4	13.1	13.7	14.4	15.1	15.8
51.25°	9.9	10.4	11.0	11.7	12.3	13.0	13.7	14.4	15.1	15.9	16.7
50°	10.2	10.8	11.5	12.1	12.8	13.6	14.3	15.0	15.8	16.7	17.5
48.75°	10.6	11.3	11.9	12.6	13.4	14.1	14.9	15.7	16.6	17.4	18.3
47.5°	11.0	11.7	12.4	13.1	13.9	14.7	15.6	16.5	17.3	18.2	19.1
46.25°	11.4	12.1	12.8	13.7	14.5	15.3	16.2	17.2	18.1	19.0	19.9
45°	11.8	12.5	13.3	14.2	15.0	16.0	16.9	17.9	18.8	19.8	20.7
43.75°	12.1	12.9	13.8	14.7	15.6	16.6	17.6	18.6	19.5	20.5	21.4
42.5°	12.5	13.4	14.3	15.2	16.2	17.2	18.2	19.2	20.3	21.3	22.0
41.25°	12.9	13.8	14.8	15.7	16.8	17.8	18.9	19.9	21.0	21.8	22.5
40°	13.3	14.3	15.2	16.3	17.4	18.4	19.5	20.6	21.5	22.3	23.0
38.75°	13.8	14.7	15.7	16.8	17.9	19.0	20.1	21.3	22.0	22.7	23.5
37.5°	14.1	15.1	16.2	17.4	18.5	19.6	20.8	21.7	22.5	23.2	24.0
36.25°	14.5	15.6	16.7	17.9	19.0	20.2	21.3	22.1	22.9	23.7	24.5
35°	14.9	16.0	17.2	18.4	19.6	20.8	21.7	22.5	23.3	24.1	25.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	15.3	16.5	17.7	18.9	20.1	21.3	22.1	22.9	23.8	24.6	25.4
32.5°	15.7	16.9	18.1	19.4	20.6	21.7	22.5	23.3	24.2	25.0	25.8
31.25°	16.1	17.3	18.6	19.8	21.1	22.0	22.9	23.7	24.6	25.5	26.2
30°	16.5	17.7	19.0	20.3	21.5	22.4	23.2	24.1	25.0	25.8	26.6
28.75°	16.9	18.1	19.4	20.7	21.8	22.7	23.6	24.5	25.4	26.2	26.9
27.5°	17.2	18.5	19.8	21.2	22.1	23.0	23.9	24.8	25.7	26.5	27.2
26.25°	17.6	18.9	20.2	21.5	22.4	23.3	24.2	25.2	26.0	26.8	27.5
25°	17.9	19.2	20.6	21.8	22.7	23.6	24.6	25.5	26.3	27.1	27.7
23.75°	18.2	19.6	21.0	22.0	22.9	23.9	24.9	25.8	26.6	27.4	27.9
22.5°	18.5	19.9	21.3	22.3	23.2	24.2	25.2	26.0	26.8	27.6	28.1
21.25°	18.8	20.2	21.5	22.5	23.4	24.4	25.4	26.3	27.1	27.8	28.3
20°	19.1	20.5	21.7	22.7	23.7	24.7	25.7	26.5	27.3	27.9	28.5
18.75°	19.4	20.8	21.9	22.9	23.9	24.9	25.9	26.7	27.5	28.1	28.7
17.5°	19.6	21.1	22.1	23.1	24.1	25.2	26.1	26.9	27.7	28.3	28.9
16.25°	19.8	21.3	22.3	23.3	24.3	25.4	26.3	27.1	27.8	28.4	29.0
15°	20.0	21.5	22.5	23.5	24.5	25.6	26.4	27.3	27.9	28.5	29.2
13.75°	20.2	21.6	22.6	23.6	24.7	25.7	26.6	27.4	28.1	28.7	29.3
12.5°	20.4	21.7	22.7	23.8	24.8	25.9	26.7	27.5	28.2	28.8	29.4
11.25°	20.6	21.8	22.9	23.9	25.0	26.0	26.8	27.6	28.3	28.9	29.5
10°	20.7	21.9	23.0	24.0	25.1	26.1	27.0	27.7	28.4	29.0	29.6
8.75°	20.9	22.0	23.1	24.1	25.2	26.2	27.1	27.8	28.4	29.1	29.7
7.5°	21.0	22.1	23.2	24.2	25.3	26.3	27.2	27.9	28.5	29.1	29.8
6.25°	21.1	22.2	23.2	24.3	25.4	26.3	27.2	27.9	28.6	29.2	29.9
5°	21.2	22.2	23.3	24.4	25.5	26.4	27.3	28.0	28.6	29.3	29.9
3.75°	21.2	22.3	23.3	24.4	25.5	26.4	27.3	28.0	28.7	29.3	29.9
2.5°	21.3	22.3	23.4	24.5	25.6	26.5	27.4	28.0	28.7	29.3	30.0
1.25°	21.3	22.3	23.4	24.5	25.6	26.5	27.4	28.0	28.7	29.3	30.0
0°	21.3	22.4	23.4	24.5	25.6	26.5	27.4	28.1	28.7	29.4	30.0
-1.25°	21.3	22.3	23.4	24.5	25.6	26.5	27.4	28.0	28.7	29.3	30.0
-2.5°	21.3	22.3	23.4	24.5	25.6	26.5	27.4	28.0	28.7	29.3	30.0
-3.75°	21.2	22.3	23.3	24.4	25.5	26.4	27.3	28.0	28.7	29.3	29.9
-5°	21.2	22.2	23.3	24.4	25.5	26.4	27.3	28.0	28.6	29.3	29.9
-6.25°	21.1	22.2	23.2	24.3	25.4	26.3	27.2	27.9	28.6	29.2	29.9
-7.5°	21.0	22.1	23.2	24.2	25.3	26.3	27.2	27.9	28.5	29.1	29.8
-8.75°	20.9	22.0	23.1	24.1	25.2	26.2	27.1	27.8	28.4	29.1	29.7
-10°	20.7	21.9	23.0	24.0	25.1	26.1	27.0	27.7	28.4	29.0	29.6
-11.25°	20.6	21.8	22.9	23.9	25.0	26.0	26.8	27.6	28.3	28.9	29.5
-12.5°	20.4	21.7	22.7	23.8	24.8	25.9	26.7	27.5	28.2	28.8	29.4
-13.75°	20.2	21.6	22.6	23.6	24.7	25.7	26.6	27.4	28.1	28.7	29.3
-15°	20.0	21.5	22.5	23.5	24.5	25.6	26.4	27.3	27.9	28.5	29.2
-16.25°	19.8	21.3	22.3	23.3	24.3	25.4	26.3	27.1	27.8	28.4	29.0
-17.5°	19.6	21.1	22.1	23.1	24.1	25.2	26.1	26.9	27.7	28.3	28.9
-18.75°	19.4	20.8	21.9	22.9	23.9	24.9	25.9	26.7	27.5	28.1	28.7
-20°	19.1	20.5	21.7	22.7	23.7	24.7	25.7	26.5	27.3	27.9	28.5
-21.25°	18.8	20.2	21.5	22.5	23.4	24.4	25.4	26.3	27.1	27.8	28.3





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	18.5	19.9	21.3	22.3	23.2	24.2	25.2	26.0	26.8	27.6	28.1
-23.75°	18.2	19.6	21.0	22.0	22.9	23.9	24.9	25.8	26.6	27.4	27.9
-25°	17.9	19.2	20.6	21.8	22.7	23.6	24.6	25.5	26.3	27.1	27.7
-26.25°	17.6	18.9	20.2	21.5	22.4	23.3	24.2	25.2	26.0	26.8	27.5
-27.5°	17.2	18.5	19.8	21.2	22.1	23.0	23.9	24.8	25.7	26.5	27.2
-28.75°	16.9	18.1	19.4	20.7	21.8	22.7	23.6	24.5	25.4	26.2	26.9
-30°	16.5	17.7	19.0	20.3	21.5	22.4	23.2	24.1	25.0	25.8	26.6
-31.25°	16.1	17.3	18.6	19.8	21.1	22.0	22.9	23.7	24.6	25.5	26.2
-32.5°	15.7	16.9	18.1	19.4	20.6	21.7	22.5	23.3	24.2	25.0	25.8
-33.75°	15.3	16.5	17.7	18.9	20.1	21.3	22.1	22.9	23.8	24.6	25.4
-35°	14.9	16.0	17.2	18.4	19.6	20.8	21.7	22.5	23.3	24.1	25.0
-36.25°	14.5	15.6	16.7	17.9	19.0	20.2	21.3	22.1	22.9	23.7	24.5
-37.5°	14.1	15.1	16.2	17.4	18.5	19.6	20.8	21.7	22.5	23.2	24.0
-38.75°	13.8	14.7	15.7	16.8	17.9	19.0	20.1	21.3	22.0	22.7	23.5
-40°	13.3	14.3	15.2	16.3	17.4	18.4	19.5	20.6	21.5	22.3	23.0
-41.25°	12.9	13.8	14.8	15.7	16.8	17.8	18.9	19.9	21.0	21.8	22.5
-42.5°	12.5	13.4	14.3	15.2	16.2	17.2	18.2	19.2	20.3	21.3	22.0
-43.75°	12.1	12.9	13.8	14.7	15.6	16.6	17.6	18.6	19.5	20.5	21.4
-45°	11.8	12.5	13.3	14.2	15.0	16.0	16.9	17.9	18.8	19.8	20.7
-46.25°	11.4	12.1	12.8	13.7	14.5	15.3	16.2	17.2	18.1	19.0	19.9
-47.5°	11.0	11.7	12.4	13.1	13.9	14.7	15.6	16.5	17.3	18.2	19.1
-48.75°	10.6	11.3	11.9	12.6	13.4	14.1	14.9	15.7	16.6	17.4	18.3
-50°	10.2	10.8	11.5	12.1	12.8	13.6	14.3	15.0	15.8	16.7	17.5
-51.25°	9.9	10.4	11.0	11.7	12.3	13.0	13.7	14.4	15.1	15.9	16.7
-52.5°	9.6	10.1	10.6	11.2	11.8	12.4	13.1	13.7	14.4	15.1	15.8
-53.75°	9.3	9.7	10.2	10.7	11.3	11.9	12.4	13.1	13.7	14.4	15.0
-55°	8.9	9.4	9.8	10.3	10.8	11.4	11.9	12.4	13.1	13.7	14.3
-56.25°	8.7	9.0	9.5	9.9	10.3	10.8	11.4	11.9	12.4	13.0	13.6
-57.5°	8.5	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.8
-58.75°	8.3	8.5	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.1
-60°	8.1	8.3	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.5
-61.25°	7.9	8.1	8.3	8.5	8.7	9.0	9.4	9.7	10.1	10.4	10.8
-62.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2
-63.75°	7.4	7.7	7.9	8.1	8.2	8.4	8.6	8.8	9.1	9.4	9.7
-65°	7.2	7.4	7.6	7.9	8.0	8.2	8.4	8.5	8.7	8.9	9.2
-66.25°	6.9	7.1	7.3	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
-67.5°	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.4
-68.75°	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.1
-70°	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.9
-71.25°	5.5	5.7	6.0	6.2	6.5	6.6	6.8	7.0	7.2	7.3	7.5
-72.5°	5.1	5.4	5.6	5.8	6.0	6.2	6.5	6.6	6.8	6.9	7.1
-73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
-75°	4.3	4.5	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2
-76.25°	3.9	4.1	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.7
-77.5°	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0	5.1



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.1	3.3	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6
-80°	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0
-81.25°	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
-83.75°	1.6	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3
-85°	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
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	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
85°	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3
83.75°	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0
82.5°	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8
81.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
80°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
78.75°	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8	5.9
77.5°	5.3	5.4	5.6	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5
76.25°	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.0
75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.6
73.75°	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
72.5°	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
71.25°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
70°	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	9.0	9.2	9.4
68.75°	8.3	8.4	8.5	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1
67.5°	8.6	8.7	8.9	9.2	9.4	9.6	9.9	10.1	10.3	10.6	10.8
66.25°	9.0	9.2	9.5	9.8	10.0	10.2	10.5	10.8	11.1	11.4	11.7
65°	9.5	9.8	10.1	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.5
63.75°	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.8	13.2	13.5
62.5°	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.3	13.8	14.1	14.5
61.25°	11.3	11.7	12.1	12.5	12.9	13.4	13.8	14.3	14.7	15.1	15.6
60°	11.9	12.4	12.8	13.3	13.8	14.3	14.8	15.2	15.7	16.2	16.7
58.75°	12.6	13.1	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.4	17.9
57.5°	13.4	13.9	14.5	15.0	15.6	16.2	16.8	17.4	17.9	18.5	19.0
56.25°	14.1	14.7	15.3	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2
55°	14.9	15.6	16.2	16.9	17.6	18.2	18.9	19.5	20.1	20.8	21.3
53.75°	15.7	16.5	17.2	17.9	18.6	19.2	19.9	20.6	21.3	21.7	22.1
52.5°	16.6	17.3	18.1	18.8	19.5	20.3	21.0	21.5	22.0	22.5	22.9
51.25°	17.4	18.2	19.0	19.8	20.5	21.3	21.8	22.3	22.7	23.2	23.7
50°	18.3	19.1	19.9	20.7	21.4	22.0	22.5	23.0	23.5	24.0	24.5
48.75°	19.2	20.0	20.8	21.5	22.1	22.6	23.2	23.7	24.2	24.8	25.3
47.5°	20.0	20.9	21.6	22.2	22.7	23.3	23.9	24.4	25.0	25.5	26.0
46.25°	20.8	21.6	22.2	22.8	23.4	24.0	24.6	25.1	25.7	26.2	26.6
45°	21.5	22.2	22.8	23.4	24.0	24.7	25.3	25.8	26.3	26.8	27.2
43.75°	22.1	22.7	23.4	24.0	24.7	25.3	25.9	26.4	26.9	27.4	27.7
42.5°	22.6	23.3	24.0	24.7	25.3	25.9	26.4	27.0	27.5	27.8	28.2
41.25°	23.2	23.9	24.6	25.3	25.9	26.4	27.0	27.5	27.9	28.2	28.6
40°	23.7	24.4	25.1	25.8	26.4	27.0	27.5	27.9	28.3	28.7	29.0
38.75°	24.2	25.0	25.7	26.3	26.9	27.5	27.9	28.3	28.7	29.1	29.5
37.5°	24.8	25.5	26.2	26.8	27.4	27.8	28.2	28.7	29.1	29.5	29.9
36.25°	25.3	26.0	26.6	27.2	27.7	28.2	28.6	29.0	29.5	29.9	30.2
35°	25.7	26.4	27.0	27.6	28.1	28.5	29.0	29.4	29.8	30.2	30.4



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	26.1	26.8	27.5	27.9	28.4	28.9	29.3	29.8	30.1	30.4	30.7
32.5°	26.5	27.2	27.8	28.2	28.7	29.2	29.7	30.1	30.4	30.6	30.9
31.25°	26.9	27.5	28.0	28.5	29.0	29.5	30.0	30.3	30.6	30.8	31.0
30°	27.3	27.8	28.3	28.8	29.3	29.8	30.2	30.5	30.8	31.0	31.2
28.75°	27.6	28.1	28.6	29.1	29.6	30.1	30.4	30.7	30.9	31.1	31.3
27.5°	27.8	28.3	28.9	29.4	29.9	30.3	30.6	30.9	31.1	31.2	31.5
26.25°	28.1	28.6	29.1	29.7	30.1	30.4	30.8	31.0	31.2	31.4	31.7
25°	28.3	28.8	29.4	29.9	30.3	30.6	30.9	31.1	31.3	31.6	31.9
23.75°	28.5	29.1	29.6	30.1	30.4	30.8	31.0	31.2	31.5	31.8	32.1
22.5°	28.7	29.3	29.8	30.3	30.6	30.9	31.1	31.3	31.7	32.0	32.4
21.25°	28.9	29.5	30.0	30.4	30.7	31.0	31.2	31.5	31.8	32.2	32.7
20°	29.1	29.7	30.2	30.5	30.8	31.1	31.3	31.6	32.0	32.5	33.0
18.75°	29.3	29.9	30.3	30.7	30.9	31.2	31.4	31.8	32.2	32.7	33.3
17.5°	29.5	30.0	30.4	30.8	31.0	31.2	31.6	31.9	32.4	33.0	33.7
16.25°	29.6	30.1	30.5	30.9	31.1	31.3	31.7	32.1	32.6	33.2	34.3
15°	29.8	30.2	30.6	30.9	31.1	31.4	31.8	32.2	32.8	33.4	34.8
13.75°	29.9	30.3	30.7	31.0	31.2	31.5	31.9	32.4	33.0	33.9	35.3
12.5°	30.0	30.4	30.8	31.0	31.3	31.6	32.0	32.6	33.2	34.3	35.8
11.25°	30.1	30.5	30.8	31.1	31.3	31.7	32.1	32.7	33.3	34.7	36.2
10°	30.2	30.5	30.9	31.1	31.4	31.8	32.2	32.9	33.6	35.1	36.8
8.75°	30.2	30.6	30.9	31.2	31.5	31.9	32.4	33.0	33.9	35.4	37.6
7.5°	30.3	30.7	31.0	31.2	31.5	31.9	32.5	33.1	34.2	35.7	38.4
6.25°	30.3	30.7	31.0	31.2	31.6	32.0	32.5	33.2	34.4	36.0	39.1
5°	30.3	30.7	31.0	31.3	31.6	32.0	32.6	33.3	34.6	36.1	39.6
3.75°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.3	34.8	36.3	40.1
2.5°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.4	34.9	36.4	40.4
1.25°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.4	34.9	36.5	40.5
0°	30.4	30.8	31.1	31.3	31.7	32.1	32.8	33.4	35.0	36.5	40.6
-1.25°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.4	34.9	36.5	40.5
-2.5°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.4	34.9	36.4	40.4
-3.75°	30.4	30.8	31.0	31.3	31.7	32.1	32.7	33.3	34.8	36.3	40.1
-5°	30.3	30.7	31.0	31.3	31.6	32.0	32.6	33.3	34.6	36.1	39.6
-6.25°	30.3	30.7	31.0	31.2	31.6	32.0	32.5	33.2	34.4	36.0	39.1
-7.5°	30.3	30.7	31.0	31.2	31.5	31.9	32.5	33.1	34.2	35.7	38.4
-8.75°	30.2	30.6	30.9	31.2	31.5	31.9	32.4	33.0	33.9	35.4	37.6
-10°	30.2	30.5	30.9	31.1	31.4	31.8	32.2	32.9	33.6	35.1	36.8
-11.25°	30.1	30.5	30.8	31.1	31.3	31.7	32.1	32.7	33.3	34.7	36.2
-12.5°	30.0	30.4	30.8	31.0	31.3	31.6	32.0	32.6	33.2	34.3	35.8
-13.75°	29.9	30.3	30.7	31.0	31.2	31.5	31.9	32.4	33.0	33.9	35.3
-15°	29.8	30.2	30.6	30.9	31.1	31.4	31.8	32.2	32.8	33.4	34.8
-16.25°	29.6	30.1	30.5	30.9	31.1	31.3	31.7	32.1	32.6	33.2	34.3
-17.5°	29.5	30.0	30.4	30.8	31.0	31.2	31.6	31.9	32.4	33.0	33.7
-18.75°	29.3	29.9	30.3	30.7	30.9	31.2	31.4	31.8	32.2	32.7	33.3
-20°	29.1	29.7	30.2	30.5	30.8	31.1	31.3	31.6	32.0	32.5	33.0
-21.25°	28.9	29.5	30.0	30.4	30.7	31.0	31.2	31.5	31.8	32.2	32.7



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	28.7	29.3	29.8	30.3	30.6	30.9	31.1	31.3	31.7	32.0	32.4
-23.75°	28.5	29.1	29.6	30.1	30.4	30.8	31.0	31.2	31.5	31.8	32.1
-25°	28.3	28.8	29.4	29.9	30.3	30.6	30.9	31.1	31.3	31.6	31.9
-26.25°	28.1	28.6	29.1	29.7	30.1	30.4	30.8	31.0	31.2	31.4	31.7
-27.5°	27.8	28.3	28.9	29.4	29.9	30.3	30.6	30.9	31.1	31.2	31.5
-28.75°	27.6	28.1	28.6	29.1	29.6	30.1	30.4	30.7	30.9	31.1	31.3
-30°	27.3	27.8	28.3	28.8	29.3	29.8	30.2	30.5	30.8	31.0	31.2
-31.25°	26.9	27.5	28.0	28.5	29.0	29.5	30.0	30.3	30.6	30.8	31.0
-32.5°	26.5	27.2	27.8	28.2	28.7	29.2	29.7	30.1	30.4	30.6	30.9
-33.75°	26.1	26.8	27.5	27.9	28.4	28.9	29.3	29.8	30.1	30.4	30.7
-35°	25.7	26.4	27.0	27.6	28.1	28.5	29.0	29.4	29.8	30.2	30.4
-36.25°	25.3	26.0	26.6	27.2	27.7	28.2	28.6	29.0	29.5	29.9	30.2
-37.5°	24.8	25.5	26.2	26.8	27.4	27.8	28.2	28.7	29.1	29.5	29.9
-38.75°	24.2	25.0	25.7	26.3	26.9	27.5	27.9	28.3	28.7	29.1	29.5
-40°	23.7	24.4	25.1	25.8	26.4	27.0	27.5	27.9	28.3	28.7	29.0
-41.25°	23.2	23.9	24.6	25.3	25.9	26.4	27.0	27.5	27.9	28.2	28.6
-42.5°	22.6	23.3	24.0	24.7	25.3	25.9	26.4	27.0	27.5	27.8	28.2
-43.75°	22.1	22.7	23.4	24.0	24.7	25.3	25.9	26.4	26.9	27.4	27.7
-45°	21.5	22.2	22.8	23.4	24.0	24.7	25.3	25.8	26.3	26.8	27.2
-46.25°	20.8	21.6	22.2	22.8	23.4	24.0	24.6	25.1	25.7	26.2	26.6
-47.5°	20.0	20.9	21.6	22.2	22.7	23.3	23.9	24.4	25.0	25.5	26.0
-48.75°	19.2	20.0	20.8	21.5	22.1	22.6	23.2	23.7	24.2	24.8	25.3
-50°	18.3	19.1	19.9	20.7	21.4	22.0	22.5	23.0	23.5	24.0	24.5
-51.25°	17.4	18.2	19.0	19.8	20.5	21.3	21.8	22.3	22.7	23.2	23.7
-52.5°	16.6	17.3	18.1	18.8	19.5	20.3	21.0	21.5	22.0	22.5	22.9
-53.75°	15.7	16.5	17.2	17.9	18.6	19.2	19.9	20.6	21.3	21.7	22.1
-55°	14.9	15.6	16.2	16.9	17.6	18.2	18.9	19.5	20.1	20.8	21.3
-56.25°	14.1	14.7	15.3	16.0	16.6	17.2	17.8	18.4	19.0	19.6	20.2
-57.5°	13.4	13.9	14.5	15.0	15.6	16.2	16.8	17.4	17.9	18.5	19.0
-58.75°	12.6	13.1	13.7	14.2	14.7	15.2	15.7	16.3	16.8	17.4	17.9
-60°	11.9	12.4	12.8	13.3	13.8	14.3	14.8	15.2	15.7	16.2	16.7
-61.25°	11.3	11.7	12.1	12.5	12.9	13.4	13.8	14.3	14.7	15.1	15.6
-62.5°	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.3	13.8	14.1	14.5
-63.75°	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.8	13.2	13.5
-65°	9.5	9.8	10.1	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.5
-66.25°	9.0	9.2	9.5	9.8	10.0	10.2	10.5	10.8	11.1	11.4	11.7
-67.5°	8.6	8.7	8.9	9.2	9.4	9.6	9.9	10.1	10.3	10.6	10.8
-68.75°	8.3	8.4	8.5	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1
-70°	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	9.0	9.2	9.4
-71.25°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
-72.5°	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-73.75°	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.6
-76.25°	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.0
-77.5°	5.3	5.4	5.6	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8	5.9
-80°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-81.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
-82.5°	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8
-83.75°	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0
-85°	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3
-86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
-87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
86.25°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0
85°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
83.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6
82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4
81.25°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
80°	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0
78.75°	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
77.5°	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.3
76.25°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.9
75°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
73.75°	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
72.5°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.4	9.5
71.25°	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
70°	9.6	9.7	9.9	10.1	10.2	10.4	10.5	10.7	10.9	11.1	11.2
68.75°	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.0	12.2
67.5°	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3
66.25°	12.0	12.2	12.5	12.7	13.0	13.3	13.6	13.8	14.1	14.3	14.5
65°	12.9	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.2	15.5	15.8
63.75°	13.9	14.2	14.6	14.9	15.2	15.6	15.9	16.2	16.6	16.9	17.1
62.5°	14.9	15.3	15.7	16.1	16.5	16.9	17.2	17.6	17.9	18.2	18.5
61.25°	16.0	16.5	16.9	17.3	17.7	18.1	18.5	18.9	19.2	19.6	19.9
60°	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.2	20.6	21.0	21.3
58.75°	18.4	18.9	19.4	19.8	20.3	20.7	21.2	21.5	21.8	22.0	22.3
57.5°	19.6	20.1	20.6	21.1	21.5	21.8	22.1	22.4	22.7	22.9	23.2
56.25°	20.8	21.3	21.7	22.0	22.4	22.7	23.0	23.3	23.6	23.9	24.2
55°	21.7	22.1	22.5	22.9	23.2	23.6	23.9	24.2	24.6	24.9	25.2
53.75°	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.2	25.5	25.8	26.0
52.5°	23.3	23.8	24.2	24.6	25.0	25.4	25.7	26.0	26.3	26.6	26.8
51.25°	24.1	24.6	25.0	25.5	25.8	26.2	26.5	26.8	27.1	27.4	27.6
50°	25.0	25.4	25.8	26.2	26.6	26.9	27.2	27.5	27.7	27.9	28.1
48.75°	25.7	26.1	26.5	26.9	27.3	27.6	27.8	28.1	28.3	28.5	28.7
47.5°	26.4	26.8	27.2	27.5	27.8	28.1	28.3	28.6	28.8	29.1	29.3
46.25°	27.0	27.5	27.8	28.0	28.3	28.6	28.9	29.1	29.4	29.6	29.8
45°	27.6	27.9	28.2	28.5	28.8	29.1	29.4	29.7	29.9	30.1	30.3
43.75°	28.1	28.4	28.7	29.0	29.3	29.6	29.9	30.1	30.3	30.4	30.6
42.5°	28.5	28.9	29.2	29.5	29.8	30.1	30.3	30.4	30.6	30.8	30.9
41.25°	29.0	29.3	29.7	30.0	30.2	30.4	30.6	30.8	30.9	31.0	31.1
40°	29.4	29.8	30.1	30.3	30.5	30.7	30.9	31.0	31.1	31.2	31.3
38.75°	29.8	30.1	30.4	30.6	30.8	30.9	31.1	31.2	31.3	31.5	31.7
37.5°	30.2	30.4	30.6	30.8	31.0	31.1	31.2	31.4	31.6	31.8	32.0
36.25°	30.4	30.7	30.9	31.0	31.2	31.3	31.5	31.7	31.9	32.1	32.4
35°	30.7	30.9	31.0	31.2	31.4	31.6	31.8	32.0	32.3	32.7	33.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	30.9	31.0	31.2	31.4	31.6	31.9	32.1	32.5	32.8	33.2	33.6
32.5°	31.0	31.2	31.4	31.7	31.9	32.2	32.6	33.0	33.3	34.1	34.9
31.25°	31.2	31.4	31.7	31.9	32.2	32.6	33.0	33.5	34.4	35.2	36.1
30°	31.4	31.6	31.9	32.2	32.7	33.1	33.6	34.6	35.5	36.4	38.6
28.75°	31.6	31.9	32.2	32.6	33.1	33.7	34.7	35.7	36.9	39.3	41.7
27.5°	31.8	32.1	32.6	33.0	33.6	34.7	35.7	37.2	39.8	42.3	44.9
26.25°	32.0	32.5	33.0	33.5	34.6	35.7	37.2	39.9	42.6	45.9	51.0
25°	32.3	32.8	33.3	34.4	35.5	36.9	39.8	42.6	46.2	51.6	57.0
23.75°	32.7	33.2	34.1	35.2	36.4	39.3	42.3	45.9	51.6	57.3	63.1
22.5°	33.0	33.6	34.9	36.1	38.6	41.7	44.9	51.0	57.0	63.1	69.8
21.25°	33.3	34.4	35.7	37.6	40.8	44.0	49.7	56.0	62.3	69.4	76.4
20°	33.8	35.1	36.4	39.6	43.0	47.8	54.3	60.8	68.2	75.5	83.5
18.75°	34.5	35.8	38.1	41.6	45.3	52.1	58.8	66.2	73.9	81.7	92.2
17.5°	35.1	36.5	39.9	43.5	49.2	56.2	63.4	71.4	79.3	89.5	110.2
16.25°	35.7	38.0	41.6	45.8	52.9	60.0	68.1	76.4	85.9	103.3	138.5
15°	36.3	39.6	43.2	49.1	56.4	64.1	72.6	81.2	93.9	122.2	173.7
13.75°	37.2	41.0	44.7	52.2	59.7	68.1	76.8	87.2	107.9	150.7	216.7
12.5°	38.5	42.3	47.5	55.1	63.0	71.9	80.8	94.4	126.2	184.0	262.9
11.25°	39.6	43.5	50.1	57.8	66.3	75.3	85.7	105.9	149.6	219.5	308.0
10°	40.7	44.6	52.3	60.2	69.2	78.5	90.2	117.2	174.9	256.7	355.1
8.75°	41.6	46.4	54.4	62.5	71.9	81.4	97.5	135.4	202.5	291.9	397.8
7.5°	42.4	48.2	56.2	64.7	74.2	84.8	105.3	151.4	226.7	324.9	439.2
6.25°	43.1	49.6	57.7	66.6	76.2	87.7	112.0	166.4	251.5	355.5	475.4
5°	43.7	50.8	59.0	68.2	77.9	90.0	119.4	182.7	272.4	380.8	505.3
3.75°	44.1	51.7	59.9	69.4	79.1	92.2	127.8	195.5	288.7	400.8	530.0
2.5°	44.4	52.4	60.6	70.3	80.1	95.2	133.8	204.7	300.5	416.5	547.8
1.25°	44.6	52.8	61.1	70.8	80.6	97.0	137.5	210.2	307.6	426.1	558.6
0°	44.7	53.0	61.2	71.0	80.8	97.6	138.7	212.1	310.0	429.4	562.2
-1.25°	44.6	52.8	61.1	70.8	80.6	97.0	137.5	210.2	307.6	426.1	558.6
-2.5°	44.4	52.4	60.6	70.3	80.1	95.2	133.8	204.7	300.5	416.5	547.8
-3.75°	44.1	51.7	59.9	69.4	79.1	92.2	127.8	195.5	288.7	400.8	530.0
-5°	43.7	50.8	59.0	68.2	77.9	90.0	119.4	182.7	272.4	380.8	505.3
-6.25°	43.1	49.6	57.7	66.6	76.2	87.7	112.0	166.4	251.5	355.5	475.4
-7.5°	42.4	48.2	56.2	64.7	74.2	84.8	105.3	151.4	226.7	324.9	439.2
-8.75°	41.6	46.4	54.4	62.5	71.9	81.4	97.5	135.4	202.5	291.9	397.8
-10°	40.7	44.6	52.3	60.2	69.2	78.5	90.2	117.2	174.9	256.7	355.1
-11.25°	39.6	43.5	50.1	57.8	66.3	75.3	85.7	105.9	149.6	219.5	308.0
-12.5°	38.5	42.3	47.5	55.1	63.0	71.9	80.8	94.4	126.2	184.0	262.9
-13.75°	37.2	41.0	44.7	52.2	59.7	68.1	76.8	87.2	107.9	150.7	216.7
-15°	36.3	39.6	43.2	49.1	56.4	64.1	72.6	81.2	93.9	122.2	173.7
-16.25°	35.7	38.0	41.6	45.8	52.9	60.0	68.1	76.4	85.9	103.3	138.5
-17.5°	35.1	36.5	39.9	43.5	49.2	56.2	63.4	71.4	79.3	89.5	110.2
-18.75°	34.5	35.8	38.1	41.6	45.3	52.1	58.8	66.2	73.9	81.7	92.2
-20°	33.8	35.1	36.4	39.6	43.0	47.8	54.3	60.8	68.2	75.5	83.5
-21.25°	33.3	34.4	35.7	37.6	40.8	44.0	49.7	56.0	62.3	69.4	76.4





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	33.0	33.6	34.9	36.1	38.6	41.7	44.9	51.0	57.0	63.1	69.8
-23.75°	32.7	33.2	34.1	35.2	36.4	39.3	42.3	45.9	51.6	57.3	63.1
-25°	32.3	32.8	33.3	34.4	35.5	36.9	39.8	42.6	46.2	51.6	57.0
-26.25°	32.0	32.5	33.0	33.5	34.6	35.7	37.2	39.9	42.6	45.9	51.0
-27.5°	31.8	32.1	32.6	33.0	33.6	34.7	35.7	37.2	39.8	42.3	44.9
-28.75°	31.6	31.9	32.2	32.6	33.1	33.7	34.7	35.7	36.9	39.3	41.7
-30°	31.4	31.6	31.9	32.2	32.7	33.1	33.6	34.6	35.5	36.4	38.6
-31.25°	31.2	31.4	31.7	31.9	32.2	32.6	33.0	33.5	34.4	35.2	36.1
-32.5°	31.0	31.2	31.4	31.7	31.9	32.2	32.6	33.0	33.3	34.1	34.9
-33.75°	30.9	31.0	31.2	31.4	31.6	31.9	32.1	32.5	32.8	33.2	33.6
-35°	30.7	30.9	31.0	31.2	31.4	31.6	31.8	32.0	32.3	32.7	33.0
-36.25°	30.4	30.7	30.9	31.0	31.2	31.3	31.5	31.7	31.9	32.1	32.4
-37.5°	30.2	30.4	30.6	30.8	31.0	31.1	31.2	31.4	31.6	31.8	32.0
-38.75°	29.8	30.1	30.4	30.6	30.8	30.9	31.1	31.2	31.3	31.5	31.7
-40°	29.4	29.8	30.1	30.3	30.5	30.7	30.9	31.0	31.1	31.2	31.3
-41.25°	29.0	29.3	29.7	30.0	30.2	30.4	30.6	30.8	30.9	31.0	31.1
-42.5°	28.5	28.9	29.2	29.5	29.8	30.1	30.3	30.4	30.6	30.8	30.9
-43.75°	28.1	28.4	28.7	29.0	29.3	29.6	29.9	30.1	30.3	30.4	30.6
-45°	27.6	27.9	28.2	28.5	28.8	29.1	29.4	29.7	29.9	30.1	30.3
-46.25°	27.0	27.5	27.8	28.0	28.3	28.6	28.9	29.1	29.4	29.6	29.8
-47.5°	26.4	26.8	27.2	27.5	27.8	28.1	28.3	28.6	28.8	29.1	29.3
-48.75°	25.7	26.1	26.5	26.9	27.3	27.6	27.8	28.1	28.3	28.5	28.7
-50°	25.0	25.4	25.8	26.2	26.6	26.9	27.2	27.5	27.7	27.9	28.1
-51.25°	24.1	24.6	25.0	25.5	25.8	26.2	26.5	26.8	27.1	27.4	27.6
-52.5°	23.3	23.8	24.2	24.6	25.0	25.4	25.7	26.0	26.3	26.6	26.8
-53.75°	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.2	25.5	25.8	26.0
-55°	21.7	22.1	22.5	22.9	23.2	23.6	23.9	24.2	24.6	24.9	25.2
-56.25°	20.8	21.3	21.7	22.0	22.4	22.7	23.0	23.3	23.6	23.9	24.2
-57.5°	19.6	20.1	20.6	21.1	21.5	21.8	22.1	22.4	22.7	22.9	23.2
-58.75°	18.4	18.9	19.4	19.8	20.3	20.7	21.2	21.5	21.8	22.0	22.3
-60°	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.2	20.6	21.0	21.3
-61.25°	16.0	16.5	16.9	17.3	17.7	18.1	18.5	18.9	19.2	19.6	19.9
-62.5°	14.9	15.3	15.7	16.1	16.5	16.9	17.2	17.6	17.9	18.2	18.5
-63.75°	13.9	14.2	14.6	14.9	15.2	15.6	15.9	16.2	16.6	16.9	17.1
-65°	12.9	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.2	15.5	15.8
-66.25°	12.0	12.2	12.5	12.7	13.0	13.3	13.6	13.8	14.1	14.3	14.5
-67.5°	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3
-68.75°	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.0	12.2
-70°	9.6	9.7	9.9	10.1	10.2	10.4	10.5	10.7	10.9	11.1	11.2
-71.25°	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
-72.5°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.4	9.5
-73.75°	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
-75°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
-76.25°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.9
-77.5°	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.3



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
-80°	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0
-81.25°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4
-83.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6
-85°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
-86.25°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
82.5°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7
81.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
80°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
78.75°	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1
77.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7
76.25°	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2
75°	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.6
73.75°	8.8	8.9	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
72.5°	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
71.25°	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
70°	11.4	11.5	11.6	11.8	11.9	12.0	12.1	12.2	12.2	12.3	12.4
68.75°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.4	13.5	13.5	13.6
67.5°	13.5	13.7	13.9	14.1	14.2	14.4	14.5	14.6	14.7	14.8	14.9
66.25°	14.7	14.9	15.1	15.3	15.5	15.7	15.8	16.0	16.1	16.2	16.3
65°	16.0	16.3	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.7	17.8
63.75°	17.4	17.7	17.9	18.1	18.4	18.6	18.7	18.9	19.1	19.2	19.3
62.5°	18.8	19.1	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.7	20.9
61.25°	20.2	20.5	20.8	21.1	21.3	21.5	21.6	21.7	21.8	21.9	22.0
60°	21.5	21.7	21.9	22.1	22.3	22.5	22.6	22.7	22.9	23.0	23.1
58.75°	22.5	22.7	22.9	23.1	23.3	23.5	23.6	23.8	23.9	24.0	24.1
57.5°	23.4	23.7	23.9	24.1	24.3	24.5	24.7	24.8	25.0	25.1	25.2
56.25°	24.4	24.7	24.9	25.2	25.4	25.6	25.7	25.9	26.0	26.1	26.2
55°	25.4	25.7	25.9	26.1	26.3	26.4	26.6	26.7	26.8	27.0	27.1
53.75°	26.3	26.5	26.7	26.9	27.1	27.3	27.4	27.5	27.6	27.7	27.8
52.5°	27.1	27.3	27.5	27.7	27.8	27.9	28.1	28.2	28.3	28.4	28.4
51.25°	27.8	27.9	28.1	28.3	28.4	28.5	28.7	28.8	28.9	29.0	29.1
50°	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4	29.5	29.6	29.7
48.75°	28.9	29.1	29.3	29.5	29.6	29.8	29.9	30.0	30.1	30.2	30.2
47.5°	29.5	29.7	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.5	30.6
46.25°	30.0	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.8	30.9	30.9
45°	30.4	30.5	30.7	30.8	30.9	30.9	31.0	31.0	31.1	31.1	31.2
43.75°	30.7	30.8	30.9	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.5
42.5°	31.0	31.1	31.2	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9
41.25°	31.2	31.3	31.4	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.4
40°	31.5	31.6	31.8	31.9	32.1	32.2	32.4	32.6	32.7	32.9	33.0
38.75°	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.3	33.6	33.9
37.5°	32.2	32.5	32.7	33.0	33.2	33.4	33.9	34.3	34.7	35.1	35.4
36.25°	32.7	33.0	33.3	33.7	34.3	34.8	35.3	35.8	36.2	36.8	37.6
35°	33.3	33.8	34.5	35.1	35.7	36.3	37.2	38.5	39.6	40.7	41.6



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	34.4	35.1	35.8	36.5	38.0	39.6	41.0	42.3	43.5	44.6	46.4
32.5°	35.7	36.4	38.1	39.9	41.6	43.2	44.7	47.5	50.1	52.3	54.4
31.25°	37.6	39.6	41.6	43.5	45.8	49.1	52.2	55.1	57.8	60.2	62.5
30°	40.8	43.0	45.3	49.2	52.9	56.4	59.7	63.0	66.3	69.2	71.9
28.75°	44.0	47.8	52.1	56.2	60.0	64.1	68.1	71.9	75.3	78.5	81.4
27.5°	49.7	54.3	58.8	63.4	68.1	72.6	76.8	80.8	85.7	90.2	97.5
26.25°	56.0	60.8	66.2	71.4	76.4	81.2	87.2	94.4	105.9	117.2	135.4
25°	62.3	68.2	73.9	79.3	85.9	93.9	107.9	126.2	149.6	174.9	202.5
23.75°	69.4	75.5	81.7	89.5	103.3	122.2	150.7	184.0	219.5	256.7	291.9
22.5°	76.4	83.5	92.2	110.2	138.5	173.7	216.7	262.9	308.0	355.1	397.8
21.25°	84.0	94.9	114.3	149.5	194.0	244.3	298.9	356.1	411.4	467.2	518.0
20°	94.9	115.9	155.0	206.3	264.7	327.3	393.0	460.8	525.7	587.5	642.7
18.75°	114.3	155.0	210.4	275.0	345.6	419.8	496.6	572.1	642.4	706.1	761.1
17.5°	149.5	206.3	275.0	351.7	433.9	519.0	603.6	681.9	752.7	815.5	875.1
16.25°	194.0	264.7	345.6	433.9	526.7	619.4	705.9	783.6	856.9	926.8	992.7
15°	244.3	327.3	419.8	519.0	619.4	714.0	799.2	882.5	963.2	1039.9	1111.5
13.75°	298.9	393.0	496.6	603.6	705.9	799.2	891.1	981.7	1069.3	1152.1	1226.0
12.5°	356.1	460.8	572.1	681.9	783.6	882.5	981.7	1079.3	1172.2	1257.3	1332.4
11.25°	411.4	525.7	642.4	752.7	856.9	963.2	1069.3	1172.2	1267.4	1353.7	1428.9
10°	467.2	587.5	706.1	815.5	926.8	1039.9	1152.1	1257.3	1353.7	1439.5	1515.3
8.75°	518.0	642.7	761.1	875.1	992.7	1111.5	1226.0	1332.4	1428.9	1515.3	1592.9
7.5°	564.7	691.0	808.9	928.5	1051.9	1174.8	1290.8	1397.7	1494.4	1582.2	1660.8
6.25°	605.0	732.1	851.6	976.5	1104.3	1229.3	1346.6	1453.8	1550.8	1639.8	1719.6
5°	637.9	764.4	887.8	1016.6	1148.1	1274.0	1391.2	1498.5	1597.3	1687.0	1769.7
3.75°	663.5	789.9	916.5	1048.6	1181.9	1308.8	1426.5	1534.5	1634.0	1724.5	1808.8
2.5°	682.1	808.3	937.5	1072.1	1206.4	1334.1	1452.2	1559.8	1659.6	1752.0	1837.9
1.25°	693.3	819.5	950.5	1086.3	1221.3	1349.4	1466.8	1575.1	1675.4	1769.0	1854.6
0°	697.0	823.2	954.8	1091.1	1226.3	1354.6	1471.8	1580.3	1680.7	1774.8	1860.0
-1.25°	693.3	819.5	950.5	1086.3	1221.3	1349.4	1466.8	1575.1	1675.4	1769.0	1854.6
-2.5°	682.1	808.3	937.5	1072.1	1206.4	1334.1	1452.2	1559.8	1659.6	1752.0	1837.9
-3.75°	663.5	789.9	916.5	1048.6	1181.9	1308.8	1426.5	1534.5	1634.0	1724.5	1808.8
-5°	637.9	764.4	887.8	1016.6	1148.1	1274.0	1391.2	1498.5	1597.3	1687.0	1769.7
-6.25°	605.0	732.1	851.6	976.5	1104.3	1229.3	1346.6	1453.8	1550.8	1639.8	1719.6
-7.5°	564.7	691.0	808.9	928.5	1051.9	1174.8	1290.8	1397.7	1494.4	1582.2	1660.8
-8.75°	518.0	642.7	761.1	875.1	992.7	1111.5	1226.0	1332.4	1428.9	1515.3	1592.9
-10°	467.2	587.5	706.1	815.5	926.8	1039.9	1152.1	1257.3	1353.7	1439.5	1515.3
-11.25°	411.4	525.7	642.4	752.7	856.9	963.2	1069.3	1172.2	1267.4	1353.7	1428.9
-12.5°	356.1	460.8	572.1	681.9	783.6	882.5	981.7	1079.3	1172.2	1257.3	1332.4
-13.75°	298.9	393.0	496.6	603.6	705.9	799.2	891.1	981.7	1069.3	1152.1	1226.0
-15°	244.3	327.3	419.8	519.0	619.4	714.0	799.2	882.5	963.2	1039.9	1111.5
-16.25°	194.0	264.7	345.6	433.9	526.7	619.4	705.9	783.6	856.9	926.8	992.7
-17.5°	149.5	206.3	275.0	351.7	433.9	519.0	603.6	681.9	752.7	815.5	875.1
-18.75°	114.3	155.0	210.4	275.0	345.6	419.8	496.6	572.1	642.4	706.1	761.1
-20°	94.9	115.9	155.0	206.3	264.7	327.3	393.0	460.8	525.7	587.5	642.7
-21.25°	84.0	94.9	114.3	149.5	194.0	244.3	298.9	356.1	411.4	467.2	518.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	76.4	83.5	92.2	110.2	138.5	173.7	216.7	262.9	308.0	355.1	397.8
-23.75°	69.4	75.5	81.7	89.5	103.3	122.2	150.7	184.0	219.5	256.7	291.9
-25°	62.3	68.2	73.9	79.3	85.9	93.9	107.9	126.2	149.6	174.9	202.5
-26.25°	56.0	60.8	66.2	71.4	76.4	81.2	87.2	94.4	105.9	117.2	135.4
-27.5°	49.7	54.3	58.8	63.4	68.1	72.6	76.8	80.8	85.7	90.2	97.5
-28.75°	44.0	47.8	52.1	56.2	60.0	64.1	68.1	71.9	75.3	78.5	81.4
-30°	40.8	43.0	45.3	49.2	52.9	56.4	59.7	63.0	66.3	69.2	71.9
-31.25°	37.6	39.6	41.6	43.5	45.8	49.1	52.2	55.1	57.8	60.2	62.5
-32.5°	35.7	36.4	38.1	39.9	41.6	43.2	44.7	47.5	50.1	52.3	54.4
-33.75°	34.4	35.1	35.8	36.5	38.0	39.6	41.0	42.3	43.5	44.6	46.4
-35°	33.3	33.8	34.5	35.1	35.7	36.3	37.2	38.5	39.6	40.7	41.6
-36.25°	32.7	33.0	33.3	33.7	34.3	34.8	35.3	35.8	36.2	36.8	37.6
-37.5°	32.2	32.5	32.7	33.0	33.2	33.4	33.9	34.3	34.7	35.1	35.4
-38.75°	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.3	33.6	33.9
-40°	31.5	31.6	31.8	31.9	32.1	32.2	32.4	32.6	32.7	32.9	33.0
-41.25°	31.2	31.3	31.4	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.4
-42.5°	31.0	31.1	31.2	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9
-43.75°	30.7	30.8	30.9	31.0	31.1	31.1	31.2	31.3	31.3	31.4	31.5
-45°	30.4	30.5	30.7	30.8	30.9	30.9	31.0	31.0	31.1	31.1	31.2
-46.25°	30.0	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.8	30.9	30.9
-47.5°	29.5	29.7	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.5	30.6
-48.75°	28.9	29.1	29.3	29.5	29.6	29.8	29.9	30.0	30.1	30.2	30.2
-50°	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4	29.5	29.6	29.7
-51.25°	27.8	27.9	28.1	28.3	28.4	28.5	28.7	28.8	28.9	29.0	29.1
-52.5°	27.1	27.3	27.5	27.7	27.8	27.9	28.1	28.2	28.3	28.4	28.4
-53.75°	26.3	26.5	26.7	26.9	27.1	27.3	27.4	27.5	27.6	27.7	27.8
-55°	25.4	25.7	25.9	26.1	26.3	26.4	26.6	26.7	26.8	27.0	27.1
-56.25°	24.4	24.7	24.9	25.2	25.4	25.6	25.7	25.9	26.0	26.1	26.2
-57.5°	23.4	23.7	23.9	24.1	24.3	24.5	24.7	24.8	25.0	25.1	25.2
-58.75°	22.5	22.7	22.9	23.1	23.3	23.5	23.6	23.8	23.9	24.0	24.1
-60°	21.5	21.7	21.9	22.1	22.3	22.5	22.6	22.7	22.9	23.0	23.1
-61.25°	20.2	20.5	20.8	21.1	21.3	21.5	21.6	21.7	21.8	21.9	22.0
-62.5°	18.8	19.1	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.7	20.9
-63.75°	17.4	17.7	17.9	18.1	18.4	18.6	18.7	18.9	19.1	19.2	19.3
-65°	16.0	16.3	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.7	17.8
-66.25°	14.7	14.9	15.1	15.3	15.5	15.7	15.8	16.0	16.1	16.2	16.3
-67.5°	13.5	13.7	13.9	14.1	14.2	14.4	14.5	14.6	14.7	14.8	14.9
-68.75°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.4	13.5	13.5	13.6
-70°	11.4	11.5	11.6	11.8	11.9	12.0	12.1	12.2	12.2	12.3	12.4
-71.25°	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
-72.5°	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
-73.75°	8.8	8.9	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-75°	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.6
-76.25°	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2
-77.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1
-80°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-81.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
-82.5°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7
-83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
-85°	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
-86.25°	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
-87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
83.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
81.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.1	7.1
77.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
76.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
73.75°	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.5	9.5	9.5	9.5
72.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
71.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
68.75°	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8
67.5°	15.0	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.1	15.1
66.25°	16.4	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.6
65°	17.9	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
63.75°	19.5	19.5	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
62.5°	21.0	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.2	21.2
61.25°	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.2
60°	23.2	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
58.75°	24.2	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.4	24.4
57.5°	25.3	25.4	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.5	25.5
56.25°	26.3	26.3	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.4	26.4
55°	27.2	27.2	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.3	27.3
53.75°	27.9	27.9	28.0	28.0	28.0	28.0	28.1	28.0	28.0	28.0	28.0
52.5°	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.6
51.25°	29.1	29.2	29.3	29.3	29.3	29.3	29.4	29.3	29.3	29.3	29.3
50°	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
48.75°	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.3
47.5°	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.7
46.25°	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.0	31.0	31.0	31.0
45°	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
43.75°	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.6
42.5°	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.0
41.25°	32.5	32.5	32.6	32.7	32.7	32.7	32.8	32.7	32.7	32.7	32.6
40°	33.1	33.2	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.3	33.3
38.75°	34.2	34.4	34.6	34.8	34.9	34.9	35.0	34.9	34.9	34.8	34.6
37.5°	35.7	36.0	36.1	36.3	36.4	36.5	36.5	36.5	36.4	36.3	36.1
36.25°	38.4	39.1	39.6	40.1	40.4	40.5	40.6	40.5	40.4	40.1	39.6
35°	42.4	43.1	43.7	44.1	44.4	44.6	44.7	44.6	44.4	44.1	43.7

REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	48.2	49.6	50.8	51.7	52.4	52.8	53.0	52.8	52.4	51.7	50.8
32.5°	56.2	57.7	59.0	59.9	60.6	61.1	61.2	61.1	60.6	59.9	59.0
31.25°	64.7	66.6	68.2	69.4	70.3	70.8	71.0	70.8	70.3	69.4	68.2
30°	74.2	76.2	77.9	79.1	80.1	80.6	80.8	80.6	80.1	79.1	77.9
28.75°	84.8	87.7	90.0	92.2	95.2	97.0	97.6	97.0	95.2	92.2	90.0
27.5°	105.3	112.0	119.4	127.8	133.8	137.5	138.7	137.5	133.8	127.8	119.4
26.25°	151.4	166.4	182.7	195.5	204.7	210.2	212.1	210.2	204.7	195.5	182.7
25°	226.7	251.5	272.4	288.7	300.5	307.6	310.0	307.6	300.5	288.7	272.4
23.75°	324.9	355.5	380.8	400.8	416.5	426.1	429.4	426.1	416.5	400.8	380.8
22.5°	439.2	475.4	505.3	530.0	547.8	558.6	562.2	558.6	547.8	530.0	505.3
21.25°	564.7	605.0	637.9	663.5	682.1	693.3	697.0	693.3	682.1	663.5	637.9
20°	691.0	732.1	764.4	789.9	808.3	819.5	823.2	819.5	808.3	789.9	764.4
18.75°	808.9	851.6	887.8	916.5	937.5	950.5	954.8	950.5	937.5	916.5	887.8
17.5°	928.5	976.5	1016.6	1048.6	1072.1	1086.3	1091.1	1086.3	1072.1	1048.6	1016.6
16.25°	1051.9	1104.3	1148.1	1181.9	1206.4	1221.3	1226.3	1221.3	1206.4	1181.9	1148.1
15°	1174.8	1229.3	1274.0	1308.8	1334.1	1349.4	1354.6	1349.4	1334.1	1308.8	1274.0
13.75°	1290.8	1346.6	1391.2	1426.5	1452.2	1466.8	1471.8	1466.8	1452.2	1426.5	1391.2
12.5°	1397.7	1453.8	1498.5	1534.5	1559.8	1575.1	1580.3	1575.1	1559.8	1534.5	1498.5
11.25°	1494.4	1550.8	1597.3	1634.0	1659.6	1675.4	1680.7	1675.4	1659.6	1634.0	1597.3
10°	1582.2	1639.8	1687.0	1724.5	1752.0	1769.0	1774.8	1769.0	1752.0	1724.5	1687.0
8.75°	1660.8	1719.6	1769.7	1808.8	1837.9	1854.6	1860.0	1854.6	1837.9	1808.8	1769.7
7.5°	1730.6	1792.2	1844.3	1882.6	1911.1	1927.5	1933.1	1927.5	1911.1	1882.6	1844.3
6.25°	1792.2	1855.1	1906.0	1944.7	1971.7	1986.8	1992.1	1986.8	1971.7	1944.7	1906.0
5°	1844.3	1906.0	1956.6	1992.2	2016.1	2030.3	2035.3	2030.3	2016.1	1992.2	1956.6
3.75°	1882.6	1944.7	1992.2	2025.5	2047.3	2060.3	2063.2	2060.3	2047.3	2025.5	1992.2
2.5°	1911.1	1971.7	2016.1	2047.3	2066.2	2075.2	2077.0	2075.2	2066.2	2047.3	2016.1
1.25°	1927.5	1986.8	2030.3	2060.3	2075.2	2081.5	2084.9	2081.5	2075.2	2060.3	2030.3
0°	1933.1	1992.1	2035.3	2063.2	2077.0	2084.9	2092.6	2084.9	2077.0	2063.2	2035.3
-1.25°	1927.5	1986.8	2030.3	2060.3	2075.2	2081.5	2084.9	2081.5	2075.2	2060.3	2030.3
-2.5°	1911.1	1971.7	2016.1	2047.3	2066.2	2075.2	2077.0	2075.2	2066.2	2047.3	2016.1
-3.75°	1882.6	1944.7	1992.2	2025.5	2047.3	2060.3	2063.2	2060.3	2047.3	2025.5	1992.2
-5°	1844.3	1906.0	1956.6	1992.2	2016.1	2030.3	2035.3	2030.3	2016.1	1992.2	1956.6
-6.25°	1792.2	1855.1	1906.0	1944.7	1971.7	1986.8	1992.1	1986.8	1971.7	1944.7	1906.0
-7.5°	1730.6	1792.2	1844.3	1882.6	1911.1	1927.5	1933.1	1927.5	1911.1	1882.6	1844.3
-8.75°	1660.8	1719.6	1769.7	1808.8	1837.9	1854.6	1860.0	1854.6	1837.9	1808.8	1769.7
-10°	1582.2	1639.8	1687.0	1724.5	1752.0	1769.0	1774.8	1769.0	1752.0	1724.5	1687.0
-11.25°	1494.4	1550.8	1597.3	1634.0	1659.6	1675.4	1680.7	1675.4	1659.6	1634.0	1597.3
-12.5°	1397.7	1453.8	1498.5	1534.5	1559.8	1575.1	1580.3	1575.1	1559.8	1534.5	1498.5
-13.75°	1290.8	1346.6	1391.2	1426.5	1452.2	1466.8	1471.8	1466.8	1452.2	1426.5	1391.2
-15°	1174.8	1229.3	1274.0	1308.8	1334.1	1349.4	1354.6	1349.4	1334.1	1308.8	1274.0
-16.25°	1051.9	1104.3	1148.1	1181.9	1206.4	1221.3	1226.3	1221.3	1206.4	1181.9	1148.1
-17.5°	928.5	976.5	1016.6	1048.6	1072.1	1086.3	1091.1	1086.3	1072.1	1048.6	1016.6
-18.75°	808.9	851.6	887.8	916.5	937.5	950.5	954.8	950.5	937.5	916.5	887.8
-20°	691.0	732.1	764.4	789.9	808.3	819.5	823.2	819.5	808.3	789.9	764.4
-21.25°	564.7	605.0	637.9	663.5	682.1	693.3	697.0	693.3	682.1	663.5	637.9





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	439.2	475.4	505.3	530.0	547.8	558.6	562.2	558.6	547.8	530.0	505.3
-23.75°	324.9	355.5	380.8	400.8	416.5	426.1	429.4	426.1	416.5	400.8	380.8
-25°	226.7	251.5	272.4	288.7	300.5	307.6	310.0	307.6	300.5	288.7	272.4
-26.25°	151.4	166.4	182.7	195.5	204.7	210.2	212.1	210.2	204.7	195.5	182.7
-27.5°	105.3	112.0	119.4	127.8	133.8	137.5	138.7	137.5	133.8	127.8	119.4
-28.75°	84.8	87.7	90.0	92.2	95.2	97.0	97.6	97.0	95.2	92.2	90.0
-30°	74.2	76.2	77.9	79.1	80.1	80.6	80.8	80.6	80.1	79.1	77.9
-31.25°	64.7	66.6	68.2	69.4	70.3	70.8	71.0	70.8	70.3	69.4	68.2
-32.5°	56.2	57.7	59.0	59.9	60.6	61.1	61.2	61.1	60.6	59.9	59.0
-33.75°	48.2	49.6	50.8	51.7	52.4	52.8	53.0	52.8	52.4	51.7	50.8
-35°	42.4	43.1	43.7	44.1	44.4	44.6	44.7	44.6	44.4	44.1	43.7
-36.25°	38.4	39.1	39.6	40.1	40.4	40.5	40.6	40.5	40.4	40.1	39.6
-37.5°	35.7	36.0	36.1	36.3	36.4	36.5	36.5	36.5	36.4	36.3	36.1
-38.75°	34.2	34.4	34.6	34.8	34.9	34.9	35.0	34.9	34.9	34.8	34.6
-40°	33.1	33.2	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.3	33.3
-41.25°	32.5	32.5	32.6	32.7	32.7	32.7	32.8	32.7	32.7	32.7	32.6
-42.5°	31.9	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.0
-43.75°	31.5	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.6
-45°	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
-46.25°	31.0	31.0	31.0	31.0	31.0	31.0	31.1	31.0	31.0	31.0	31.0
-47.5°	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.7
-48.75°	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.3
-50°	29.8	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	29.9	29.9
-51.25°	29.1	29.2	29.3	29.3	29.3	29.3	29.4	29.3	29.3	29.3	29.3
-52.5°	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.6
-53.75°	27.9	27.9	28.0	28.0	28.0	28.0	28.1	28.0	28.0	28.0	28.0
-55°	27.2	27.2	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.3	27.3
-56.25°	26.3	26.3	26.4	26.4	26.5	26.5	26.5	26.5	26.5	26.4	26.4
-57.5°	25.3	25.4	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.5	25.5
-58.75°	24.2	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.4	24.4
-60°	23.2	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
-61.25°	22.1	22.2	22.2	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.2
-62.5°	21.0	21.1	21.2	21.2	21.3	21.3	21.3	21.3	21.3	21.2	21.2
-63.75°	19.5	19.5	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
-65°	17.9	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
-66.25°	16.4	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.6
-67.5°	15.0	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.1	15.1
-68.75°	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8
-70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-71.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
-72.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-73.75°	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.5	9.5	9.5	9.5
-75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-76.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
-77.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.1	7.1
-80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-81.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
-82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-83.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
83.75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7
82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5
81.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
78.75°	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.8
77.5°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4
76.25°	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
75°	8.7	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4
73.75°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
72.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
71.25°	11.4	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
70°	12.5	12.4	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.8	11.6
68.75°	13.8	13.7	13.6	13.5	13.5	13.4	13.2	13.1	13.0	12.8	12.7
67.5°	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.2	14.1	13.9
66.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.8	15.7	15.5	15.3	15.1
65°	18.0	17.9	17.8	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5
63.75°	19.5	19.5	19.3	19.2	19.1	18.9	18.7	18.6	18.4	18.1	17.9
62.5°	21.1	21.0	20.9	20.7	20.6	20.4	20.2	20.0	19.8	19.6	19.4
61.25°	22.2	22.1	22.0	21.9	21.8	21.7	21.6	21.5	21.3	21.1	20.8
60°	23.2	23.2	23.1	23.0	22.9	22.7	22.6	22.5	22.3	22.1	21.9
58.75°	24.3	24.2	24.1	24.0	23.9	23.8	23.6	23.5	23.3	23.1	22.9
57.5°	25.4	25.3	25.2	25.1	25.0	24.8	24.7	24.5	24.3	24.1	23.9
56.25°	26.3	26.3	26.2	26.1	26.0	25.9	25.7	25.6	25.4	25.2	24.9
55°	27.2	27.2	27.1	27.0	26.8	26.7	26.6	26.4	26.3	26.1	25.9
53.75°	27.9	27.9	27.8	27.7	27.6	27.5	27.4	27.3	27.1	26.9	26.7
52.5°	28.6	28.5	28.4	28.4	28.3	28.2	28.1	27.9	27.8	27.7	27.5
51.25°	29.2	29.1	29.1	29.0	28.9	28.8	28.7	28.5	28.4	28.3	28.1
50°	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7
48.75°	30.3	30.3	30.2	30.2	30.1	30.0	29.9	29.8	29.6	29.5	29.3
47.5°	30.7	30.7	30.6	30.5	30.5	30.4	30.3	30.2	30.1	30.0	29.9
46.25°	31.0	31.0	30.9	30.9	30.8	30.8	30.7	30.6	30.5	30.4	30.3
45°	31.2	31.2	31.2	31.1	31.1	31.0	31.0	30.9	30.9	30.8	30.7
43.75°	31.6	31.5	31.5	31.4	31.3	31.3	31.2	31.1	31.1	31.0	30.9
42.5°	32.0	31.9	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.2
41.25°	32.5	32.5	32.4	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.4
40°	33.2	33.1	33.0	32.9	32.7	32.6	32.4	32.2	32.1	31.9	31.8
38.75°	34.4	34.2	33.9	33.6	33.3	33.2	33.0	32.8	32.6	32.4	32.2
37.5°	36.0	35.7	35.4	35.1	34.7	34.3	33.9	33.4	33.2	33.0	32.7
36.25°	39.1	38.4	37.6	36.8	36.2	35.8	35.3	34.8	34.3	33.7	33.3
35°	43.1	42.4	41.6	40.7	39.6	38.5	37.2	36.3	35.7	35.1	34.5



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	49.6	48.2	46.4	44.6	43.5	42.3	41.0	39.6	38.0	36.5	35.8
32.5°	57.7	56.2	54.4	52.3	50.1	47.5	44.7	43.2	41.6	39.9	38.1
31.25°	66.6	64.7	62.5	60.2	57.8	55.1	52.2	49.1	45.8	43.5	41.6
30°	76.2	74.2	71.9	69.2	66.3	63.0	59.7	56.4	52.9	49.2	45.3
28.75°	87.7	84.8	81.4	78.5	75.3	71.9	68.1	64.1	60.0	56.2	52.1
27.5°	112.0	105.3	97.5	90.2	85.7	80.8	76.8	72.6	68.1	63.4	58.8
26.25°	166.4	151.4	135.4	117.2	105.9	94.4	87.2	81.2	76.4	71.4	66.2
25°	251.5	226.7	202.5	174.9	149.6	126.2	107.9	93.9	85.9	79.3	73.9
23.75°	355.5	324.9	291.9	256.7	219.5	184.0	150.7	122.2	103.3	89.5	81.7
22.5°	475.4	439.2	397.8	355.1	308.0	262.9	216.7	173.7	138.5	110.2	92.2
21.25°	605.0	564.7	518.0	467.2	411.4	356.1	298.9	244.3	194.0	149.5	114.3
20°	732.1	691.0	642.7	587.5	525.7	460.8	393.0	327.3	264.7	206.3	155.0
18.75°	851.6	808.9	761.1	706.1	642.4	572.1	496.6	419.8	345.6	275.0	210.4
17.5°	976.5	928.5	875.1	815.5	752.7	681.9	603.6	519.0	433.9	351.7	275.0
16.25°	1104.3	1051.9	992.7	926.8	856.9	783.6	705.9	619.4	526.7	433.9	345.6
15°	1229.3	1174.8	1111.5	1039.9	963.2	882.5	799.2	714.0	619.4	519.0	419.8
13.75°	1346.6	1290.8	1226.0	1152.1	1069.3	981.7	891.1	799.2	705.9	603.6	496.6
12.5°	1453.8	1397.7	1332.4	1257.3	1172.2	1079.3	981.7	882.5	783.6	681.9	572.1
11.25°	1550.8	1494.4	1428.9	1353.7	1267.4	1172.2	1069.3	963.2	856.9	752.7	642.4
10°	1639.8	1582.2	1515.3	1439.5	1353.7	1257.3	1152.1	1039.9	926.8	815.5	706.1
8.75°	1719.6	1660.8	1592.9	1515.3	1428.9	1332.4	1226.0	1111.5	992.7	875.1	761.1
7.5°	1792.2	1730.6	1660.8	1582.2	1494.4	1397.7	1290.8	1174.8	1051.9	928.5	808.9
6.25°	1855.1	1792.2	1719.6	1639.8	1550.8	1453.8	1346.6	1229.3	1104.3	976.5	851.6
5°	1906.0	1844.3	1769.7	1687.0	1597.3	1498.5	1391.2	1274.0	1148.1	1016.6	887.8
3.75°	1944.7	1882.6	1808.8	1724.5	1634.0	1534.5	1426.5	1308.8	1181.9	1048.6	916.5
2.5°	1971.7	1911.1	1837.9	1752.0	1659.6	1559.8	1452.2	1334.1	1206.4	1072.1	937.5
1.25°	1986.8	1927.5	1854.6	1769.0	1675.4	1575.1	1466.8	1349.4	1221.3	1086.3	950.5
0°	1992.1	1933.1	1860.0	1774.8	1680.7	1580.3	1471.8	1354.6	1226.3	1091.1	954.8
-1.25°	1986.8	1927.5	1854.6	1769.0	1675.4	1575.1	1466.8	1349.4	1221.3	1086.3	950.5
-2.5°	1971.7	1911.1	1837.9	1752.0	1659.6	1559.8	1452.2	1334.1	1206.4	1072.1	937.5
-3.75°	1944.7	1882.6	1808.8	1724.5	1634.0	1534.5	1426.5	1308.8	1181.9	1048.6	916.5
-5°	1906.0	1844.3	1769.7	1687.0	1597.3	1498.5	1391.2	1274.0	1148.1	1016.6	887.8
-6.25°	1855.1	1792.2	1719.6	1639.8	1550.8	1453.8	1346.6	1229.3	1104.3	976.5	851.6
-7.5°	1792.2	1730.6	1660.8	1582.2	1494.4	1397.7	1290.8	1174.8	1051.9	928.5	808.9
-8.75°	1719.6	1660.8	1592.9	1515.3	1428.9	1332.4	1226.0	1111.5	992.7	875.1	761.1
-10°	1639.8	1582.2	1515.3	1439.5	1353.7	1257.3	1152.1	1039.9	926.8	815.5	706.1
-11.25°	1550.8	1494.4	1428.9	1353.7	1267.4	1172.2	1069.3	963.2	856.9	752.7	642.4
-12.5°	1453.8	1397.7	1332.4	1257.3	1172.2	1079.3	981.7	882.5	783.6	681.9	572.1
-13.75°	1346.6	1290.8	1226.0	1152.1	1069.3	981.7	891.1	799.2	705.9	603.6	496.6
-15°	1229.3	1174.8	1111.5	1039.9	963.2	882.5	799.2	714.0	619.4	519.0	419.8
-16.25°	1104.3	1051.9	992.7	926.8	856.9	783.6	705.9	619.4	526.7	433.9	345.6
-17.5°	976.5	928.5	875.1	815.5	752.7	681.9	603.6	519.0	433.9	351.7	275.0
-18.75°	851.6	808.9	761.1	706.1	642.4	572.1	496.6	419.8	345.6	275.0	210.4
-20°	732.1	691.0	642.7	587.5	525.7	460.8	393.0	327.3	264.7	206.3	155.0
-21.25°	605.0	564.7	518.0	467.2	411.4	356.1	298.9	244.3	194.0	149.5	114.3



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	475.4	439.2	397.8	355.1	308.0	262.9	216.7	173.7	138.5	110.2	92.2
-23.75°	355.5	324.9	291.9	256.7	219.5	184.0	150.7	122.2	103.3	89.5	81.7
-25°	251.5	226.7	202.5	174.9	149.6	126.2	107.9	93.9	85.9	79.3	73.9
-26.25°	166.4	151.4	135.4	117.2	105.9	94.4	87.2	81.2	76.4	71.4	66.2
-27.5°	112.0	105.3	97.5	90.2	85.7	80.8	76.8	72.6	68.1	63.4	58.8
-28.75°	87.7	84.8	81.4	78.5	75.3	71.9	68.1	64.1	60.0	56.2	52.1
-30°	76.2	74.2	71.9	69.2	66.3	63.0	59.7	56.4	52.9	49.2	45.3
-31.25°	66.6	64.7	62.5	60.2	57.8	55.1	52.2	49.1	45.8	43.5	41.6
-32.5°	57.7	56.2	54.4	52.3	50.1	47.5	44.7	43.2	41.6	39.9	38.1
-33.75°	49.6	48.2	46.4	44.6	43.5	42.3	41.0	39.6	38.0	36.5	35.8
-35°	43.1	42.4	41.6	40.7	39.6	38.5	37.2	36.3	35.7	35.1	34.5
-36.25°	39.1	38.4	37.6	36.8	36.2	35.8	35.3	34.8	34.3	33.7	33.3
-37.5°	36.0	35.7	35.4	35.1	34.7	34.3	33.9	33.4	33.2	33.0	32.7
-38.75°	34.4	34.2	33.9	33.6	33.3	33.2	33.0	32.8	32.6	32.4	32.2
-40°	33.2	33.1	33.0	32.9	32.7	32.6	32.4	32.2	32.1	31.9	31.8
-41.25°	32.5	32.5	32.4	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.4
-42.5°	32.0	31.9	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.2
-43.75°	31.6	31.5	31.5	31.4	31.3	31.3	31.2	31.1	31.1	31.0	30.9
-45°	31.2	31.2	31.2	31.1	31.1	31.0	31.0	30.9	30.9	30.8	30.7
-46.25°	31.0	31.0	30.9	30.9	30.8	30.8	30.7	30.6	30.5	30.4	30.3
-47.5°	30.7	30.7	30.6	30.5	30.5	30.4	30.3	30.2	30.1	30.0	29.9
-48.75°	30.3	30.3	30.2	30.2	30.1	30.0	29.9	29.8	29.6	29.5	29.3
-50°	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7
-51.25°	29.2	29.1	29.1	29.0	28.9	28.8	28.7	28.5	28.4	28.3	28.1
-52.5°	28.6	28.5	28.4	28.4	28.3	28.2	28.1	27.9	27.8	27.7	27.5
-53.75°	27.9	27.9	27.8	27.7	27.6	27.5	27.4	27.3	27.1	26.9	26.7
-55°	27.2	27.2	27.1	27.0	26.8	26.7	26.6	26.4	26.3	26.1	25.9
-56.25°	26.3	26.3	26.2	26.1	26.0	25.9	25.7	25.6	25.4	25.2	24.9
-57.5°	25.4	25.3	25.2	25.1	25.0	24.8	24.7	24.5	24.3	24.1	23.9
-58.75°	24.3	24.2	24.1	24.0	23.9	23.8	23.6	23.5	23.3	23.1	22.9
-60°	23.2	23.2	23.1	23.0	22.9	22.7	22.6	22.5	22.3	22.1	21.9
-61.25°	22.2	22.1	22.0	21.9	21.8	21.7	21.6	21.5	21.3	21.1	20.8
-62.5°	21.1	21.0	20.9	20.7	20.6	20.4	20.2	20.0	19.8	19.6	19.4
-63.75°	19.5	19.5	19.3	19.2	19.1	18.9	18.7	18.6	18.4	18.1	17.9
-65°	18.0	17.9	17.8	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5
-66.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.8	15.7	15.5	15.3	15.1
-67.5°	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.2	14.1	13.9
-68.75°	13.8	13.7	13.6	13.5	13.5	13.4	13.2	13.1	13.0	12.8	12.7
-70°	12.5	12.4	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.8	11.6
-71.25°	11.4	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
-72.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
-73.75°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
-75°	8.7	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4
-76.25°	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
-77.5°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-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°	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.8
-80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-81.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
-82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5
-83.75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7
-85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
-86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
86.25°	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
85°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
83.75°	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2
82.5°	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
81.25°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
80°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4
78.75°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
77.5°	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.0	6.9	6.8	6.8
76.25°	7.9	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3
75°	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
73.75°	8.9	8.8	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
72.5°	9.7	9.6	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6
71.25°	10.5	10.4	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2
70°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.4	10.2	10.1	9.9
68.75°	12.5	12.4	12.2	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7
67.5°	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.0	11.8	11.6
66.25°	14.9	14.7	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.7	12.5
65°	16.3	16.0	15.8	15.5	15.2	15.0	14.7	14.4	14.1	13.8	13.5
63.75°	17.7	17.4	17.1	16.9	16.6	16.2	15.9	15.6	15.2	14.9	14.6
62.5°	19.1	18.8	18.5	18.2	17.9	17.6	17.2	16.9	16.5	16.1	15.7
61.25°	20.5	20.2	19.9	19.6	19.2	18.9	18.5	18.1	17.7	17.3	16.9
60°	21.7	21.5	21.3	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.1
58.75°	22.7	22.5	22.3	22.0	21.8	21.5	21.2	20.7	20.3	19.8	19.4
57.5°	23.7	23.4	23.2	22.9	22.7	22.4	22.1	21.8	21.5	21.1	20.6
56.25°	24.7	24.4	24.2	23.9	23.6	23.3	23.0	22.7	22.4	22.0	21.7
55°	25.7	25.4	25.2	24.9	24.6	24.2	23.9	23.6	23.2	22.9	22.5
53.75°	26.5	26.3	26.0	25.8	25.5	25.2	24.8	24.5	24.1	23.7	23.3
52.5°	27.3	27.1	26.8	26.6	26.3	26.0	25.7	25.4	25.0	24.6	24.2
51.25°	27.9	27.8	27.6	27.4	27.1	26.8	26.5	26.2	25.8	25.5	25.0
50°	28.5	28.3	28.1	27.9	27.7	27.5	27.2	26.9	26.6	26.2	25.8
48.75°	29.1	28.9	28.7	28.5	28.3	28.1	27.8	27.6	27.3	26.9	26.5
47.5°	29.7	29.5	29.3	29.1	28.8	28.6	28.3	28.1	27.8	27.5	27.2
46.25°	30.2	30.0	29.8	29.6	29.4	29.1	28.9	28.6	28.3	28.0	27.8
45°	30.5	30.4	30.3	30.1	29.9	29.7	29.4	29.1	28.8	28.5	28.2
43.75°	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.6	29.3	29.0	28.7
42.5°	31.1	31.0	30.9	30.8	30.6	30.4	30.3	30.1	29.8	29.5	29.2
41.25°	31.3	31.2	31.1	31.0	30.9	30.8	30.6	30.4	30.2	30.0	29.7
40°	31.6	31.5	31.3	31.2	31.1	31.0	30.9	30.7	30.5	30.3	30.1
38.75°	32.0	31.8	31.7	31.5	31.3	31.2	31.1	30.9	30.8	30.6	30.4
37.5°	32.5	32.2	32.0	31.8	31.6	31.4	31.2	31.1	31.0	30.8	30.6
36.25°	33.0	32.7	32.4	32.1	31.9	31.7	31.5	31.3	31.2	31.0	30.9
35°	33.8	33.3	33.0	32.7	32.3	32.0	31.8	31.6	31.4	31.2	31.0

REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	35.1	34.4	33.6	33.2	32.8	32.5	32.1	31.9	31.6	31.4	31.2
32.5°	36.4	35.7	34.9	34.1	33.3	33.0	32.6	32.2	31.9	31.7	31.4
31.25°	39.6	37.6	36.1	35.2	34.4	33.5	33.0	32.6	32.2	31.9	31.7
30°	43.0	40.8	38.6	36.4	35.5	34.6	33.6	33.1	32.7	32.2	31.9
28.75°	47.8	44.0	41.7	39.3	36.9	35.7	34.7	33.7	33.1	32.6	32.2
27.5°	54.3	49.7	44.9	42.3	39.8	37.2	35.7	34.7	33.6	33.0	32.6
26.25°	60.8	56.0	51.0	45.9	42.6	39.9	37.2	35.7	34.6	33.5	33.0
25°	68.2	62.3	57.0	51.6	46.2	42.6	39.8	36.9	35.5	34.4	33.3
23.75°	75.5	69.4	63.1	57.3	51.6	45.9	42.3	39.3	36.4	35.2	34.1
22.5°	83.5	76.4	69.8	63.1	57.0	51.0	44.9	41.7	38.6	36.1	34.9
21.25°	94.9	84.0	76.4	69.4	62.3	56.0	49.7	44.0	40.8	37.6	35.7
20°	115.9	94.9	83.5	75.5	68.2	60.8	54.3	47.8	43.0	39.6	36.4
18.75°	155.0	114.3	92.2	81.7	73.9	66.2	58.8	52.1	45.3	41.6	38.1
17.5°	206.3	149.5	110.2	89.5	79.3	71.4	63.4	56.2	49.2	43.5	39.9
16.25°	264.7	194.0	138.5	103.3	85.9	76.4	68.1	60.0	52.9	45.8	41.6
15°	327.3	244.3	173.7	122.2	93.9	81.2	72.6	64.1	56.4	49.1	43.2
13.75°	393.0	298.9	216.7	150.7	107.9	87.2	76.8	68.1	59.7	52.2	44.7
12.5°	460.8	356.1	262.9	184.0	126.2	94.4	80.8	71.9	63.0	55.1	47.5
11.25°	525.7	411.4	308.0	219.5	149.6	105.9	85.7	75.3	66.3	57.8	50.1
10°	587.5	467.2	355.1	256.7	174.9	117.2	90.2	78.5	69.2	60.2	52.3
8.75°	642.7	518.0	397.8	291.9	202.5	135.4	97.5	81.4	71.9	62.5	54.4
7.5°	691.0	564.7	439.2	324.9	226.7	151.4	105.3	84.8	74.2	64.7	56.2
6.25°	732.1	605.0	475.4	355.5	251.5	166.4	112.0	87.7	76.2	66.6	57.7
5°	764.4	637.9	505.3	380.8	272.4	182.7	119.4	90.0	77.9	68.2	59.0
3.75°	789.9	663.5	530.0	400.8	288.7	195.5	127.8	92.2	79.1	69.4	59.9
2.5°	808.3	682.1	547.8	416.5	300.5	204.7	133.8	95.2	80.1	70.3	60.6
1.25°	819.5	693.3	558.6	426.1	307.6	210.2	137.5	97.0	80.6	70.8	61.1
0°	823.2	697.0	562.2	429.4	310.0	212.1	138.7	97.6	80.8	71.0	61.2
-1.25°	819.5	693.3	558.6	426.1	307.6	210.2	137.5	97.0	80.6	70.8	61.1
-2.5°	808.3	682.1	547.8	416.5	300.5	204.7	133.8	95.2	80.1	70.3	60.6
-3.75°	789.9	663.5	530.0	400.8	288.7	195.5	127.8	92.2	79.1	69.4	59.9
-5°	764.4	637.9	505.3	380.8	272.4	182.7	119.4	90.0	77.9	68.2	59.0
-6.25°	732.1	605.0	475.4	355.5	251.5	166.4	112.0	87.7	76.2	66.6	57.7
-7.5°	691.0	564.7	439.2	324.9	226.7	151.4	105.3	84.8	74.2	64.7	56.2
-8.75°	642.7	518.0	397.8	291.9	202.5	135.4	97.5	81.4	71.9	62.5	54.4
-10°	587.5	467.2	355.1	256.7	174.9	117.2	90.2	78.5	69.2	60.2	52.3
-11.25°	525.7	411.4	308.0	219.5	149.6	105.9	85.7	75.3	66.3	57.8	50.1
-12.5°	460.8	356.1	262.9	184.0	126.2	94.4	80.8	71.9	63.0	55.1	47.5
-13.75°	393.0	298.9	216.7	150.7	107.9	87.2	76.8	68.1	59.7	52.2	44.7
-15°	327.3	244.3	173.7	122.2	93.9	81.2	72.6	64.1	56.4	49.1	43.2
-16.25°	264.7	194.0	138.5	103.3	85.9	76.4	68.1	60.0	52.9	45.8	41.6
-17.5°	206.3	149.5	110.2	89.5	79.3	71.4	63.4	56.2	49.2	43.5	39.9
-18.75°	155.0	114.3	92.2	81.7	73.9	66.2	58.8	52.1	45.3	41.6	38.1
-20°	115.9	94.9	83.5	75.5	68.2	60.8	54.3	47.8	43.0	39.6	36.4
-21.25°	94.9	84.0	76.4	69.4	62.3	56.0	49.7	44.0	40.8	37.6	35.7





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	83.5	76.4	69.8	63.1	57.0	51.0	44.9	41.7	38.6	36.1	34.9
-23.75°	75.5	69.4	63.1	57.3	51.6	45.9	42.3	39.3	36.4	35.2	34.1
-25°	68.2	62.3	57.0	51.6	46.2	42.6	39.8	36.9	35.5	34.4	33.3
-26.25°	60.8	56.0	51.0	45.9	42.6	39.9	37.2	35.7	34.6	33.5	33.0
-27.5°	54.3	49.7	44.9	42.3	39.8	37.2	35.7	34.7	33.6	33.0	32.6
-28.75°	47.8	44.0	41.7	39.3	36.9	35.7	34.7	33.7	33.1	32.6	32.2
-30°	43.0	40.8	38.6	36.4	35.5	34.6	33.6	33.1	32.7	32.2	31.9
-31.25°	39.6	37.6	36.1	35.2	34.4	33.5	33.0	32.6	32.2	31.9	31.7
-32.5°	36.4	35.7	34.9	34.1	33.3	33.0	32.6	32.2	31.9	31.7	31.4
-33.75°	35.1	34.4	33.6	33.2	32.8	32.5	32.1	31.9	31.6	31.4	31.2
-35°	33.8	33.3	33.0	32.7	32.3	32.0	31.8	31.6	31.4	31.2	31.0
-36.25°	33.0	32.7	32.4	32.1	31.9	31.7	31.5	31.3	31.2	31.0	30.9
-37.5°	32.5	32.2	32.0	31.8	31.6	31.4	31.2	31.1	31.0	30.8	30.6
-38.75°	32.0	31.8	31.7	31.5	31.3	31.2	31.1	30.9	30.8	30.6	30.4
-40°	31.6	31.5	31.3	31.2	31.1	31.0	30.9	30.7	30.5	30.3	30.1
-41.25°	31.3	31.2	31.1	31.0	30.9	30.8	30.6	30.4	30.2	30.0	29.7
-42.5°	31.1	31.0	30.9	30.8	30.6	30.4	30.3	30.1	29.8	29.5	29.2
-43.75°	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.6	29.3	29.0	28.7
-45°	30.5	30.4	30.3	30.1	29.9	29.7	29.4	29.1	28.8	28.5	28.2
-46.25°	30.2	30.0	29.8	29.6	29.4	29.1	28.9	28.6	28.3	28.0	27.8
-47.5°	29.7	29.5	29.3	29.1	28.8	28.6	28.3	28.1	27.8	27.5	27.2
-48.75°	29.1	28.9	28.7	28.5	28.3	28.1	27.8	27.6	27.3	26.9	26.5
-50°	28.5	28.3	28.1	27.9	27.7	27.5	27.2	26.9	26.6	26.2	25.8
-51.25°	27.9	27.8	27.6	27.4	27.1	26.8	26.5	26.2	25.8	25.5	25.0
-52.5°	27.3	27.1	26.8	26.6	26.3	26.0	25.7	25.4	25.0	24.6	24.2
-53.75°	26.5	26.3	26.0	25.8	25.5	25.2	24.8	24.5	24.1	23.7	23.3
-55°	25.7	25.4	25.2	24.9	24.6	24.2	23.9	23.6	23.2	22.9	22.5
-56.25°	24.7	24.4	24.2	23.9	23.6	23.3	23.0	22.7	22.4	22.0	21.7
-57.5°	23.7	23.4	23.2	22.9	22.7	22.4	22.1	21.8	21.5	21.1	20.6
-58.75°	22.7	22.5	22.3	22.0	21.8	21.5	21.2	20.7	20.3	19.8	19.4
-60°	21.7	21.5	21.3	21.0	20.6	20.2	19.8	19.4	19.0	18.6	18.1
-61.25°	20.5	20.2	19.9	19.6	19.2	18.9	18.5	18.1	17.7	17.3	16.9
-62.5°	19.1	18.8	18.5	18.2	17.9	17.6	17.2	16.9	16.5	16.1	15.7
-63.75°	17.7	17.4	17.1	16.9	16.6	16.2	15.9	15.6	15.2	14.9	14.6
-65°	16.3	16.0	15.8	15.5	15.2	15.0	14.7	14.4	14.1	13.8	13.5
-66.25°	14.9	14.7	14.5	14.3	14.1	13.8	13.6	13.3	13.0	12.7	12.5
-67.5°	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.0	11.8	11.6
-68.75°	12.5	12.4	12.2	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7
-70°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.4	10.2	10.1	9.9
-71.25°	10.5	10.4	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2
-72.5°	9.7	9.6	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6
-73.75°	8.9	8.8	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
-75°	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
-76.25°	7.9	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3
-77.5°	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.0	6.9	6.8	6.8



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
-80°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4
-81.25°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
-82.5°	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
-83.75°	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2
-85°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
-86.25°	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9
83.75°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
82.5°	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
81.25°	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
80°	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
78.75°	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0
77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6
76.25°	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.1
75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7
73.75°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1
72.5°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5
71.25°	9.0	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
70°	9.7	9.6	9.4	9.2	9.0	8.8	8.7	8.6	8.4	8.3	8.2
68.75°	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.6	8.5
67.5°	11.3	11.1	10.8	10.6	10.3	10.1	9.9	9.6	9.4	9.2	8.9
66.25°	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.2	10.0	9.8	9.5
65°	13.2	12.9	12.5	12.2	11.9	11.6	11.3	11.0	10.6	10.3	10.1
63.75°	14.2	13.9	13.5	13.2	12.8	12.4	12.1	11.7	11.4	11.0	10.7
62.5°	15.3	14.9	14.5	14.1	13.8	13.3	12.9	12.5	12.1	11.8	11.4
61.25°	16.5	16.0	15.6	15.1	14.7	14.3	13.8	13.4	12.9	12.5	12.1
60°	17.7	17.2	16.7	16.2	15.7	15.2	14.8	14.3	13.8	13.3	12.8
58.75°	18.9	18.4	17.9	17.4	16.8	16.3	15.7	15.2	14.7	14.2	13.7
57.5°	20.1	19.6	19.0	18.5	17.9	17.4	16.8	16.2	15.6	15.0	14.5
56.25°	21.3	20.8	20.2	19.6	19.0	18.4	17.8	17.2	16.6	16.0	15.3
55°	22.1	21.7	21.3	20.8	20.1	19.5	18.9	18.2	17.6	16.9	16.2
53.75°	22.9	22.5	22.1	21.7	21.3	20.6	19.9	19.2	18.6	17.9	17.2
52.5°	23.8	23.3	22.9	22.5	22.0	21.5	21.0	20.3	19.5	18.8	18.1
51.25°	24.6	24.1	23.7	23.2	22.7	22.3	21.8	21.3	20.5	19.8	19.0
50°	25.4	25.0	24.5	24.0	23.5	23.0	22.5	22.0	21.4	20.7	19.9
48.75°	26.1	25.7	25.3	24.8	24.2	23.7	23.2	22.6	22.1	21.5	20.8
47.5°	26.8	26.4	26.0	25.5	25.0	24.4	23.9	23.3	22.7	22.2	21.6
46.25°	27.5	27.0	26.6	26.2	25.7	25.1	24.6	24.0	23.4	22.8	22.2
45°	27.9	27.6	27.2	26.8	26.3	25.8	25.3	24.7	24.0	23.4	22.8
43.75°	28.4	28.1	27.7	27.4	26.9	26.4	25.9	25.3	24.7	24.0	23.4
42.5°	28.9	28.5	28.2	27.8	27.5	27.0	26.4	25.9	25.3	24.7	24.0
41.25°	29.3	29.0	28.6	28.2	27.9	27.5	27.0	26.4	25.9	25.3	24.6
40°	29.8	29.4	29.0	28.7	28.3	27.9	27.5	27.0	26.4	25.8	25.1
38.75°	30.1	29.8	29.5	29.1	28.7	28.3	27.9	27.5	26.9	26.3	25.7
37.5°	30.4	30.2	29.9	29.5	29.1	28.7	28.2	27.8	27.4	26.8	26.2
36.25°	30.7	30.4	30.2	29.9	29.5	29.0	28.6	28.2	27.7	27.2	26.6
35°	30.9	30.7	30.4	30.2	29.8	29.4	29.0	28.5	28.1	27.6	27.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	31.0	30.9	30.7	30.4	30.1	29.8	29.3	28.9	28.4	27.9	27.5
32.5°	31.2	31.0	30.9	30.6	30.4	30.1	29.7	29.2	28.7	28.2	27.8
31.25°	31.4	31.2	31.0	30.8	30.6	30.3	30.0	29.5	29.0	28.5	28.0
30°	31.6	31.4	31.2	31.0	30.8	30.5	30.2	29.8	29.3	28.8	28.3
28.75°	31.9	31.6	31.3	31.1	30.9	30.7	30.4	30.1	29.6	29.1	28.6
27.5°	32.1	31.8	31.5	31.2	31.1	30.9	30.6	30.3	29.9	29.4	28.9
26.25°	32.5	32.0	31.7	31.4	31.2	31.0	30.8	30.4	30.1	29.7	29.1
25°	32.8	32.3	31.9	31.6	31.3	31.1	30.9	30.6	30.3	29.9	29.4
23.75°	33.2	32.7	32.1	31.8	31.5	31.2	31.0	30.8	30.4	30.1	29.6
22.5°	33.6	33.0	32.4	32.0	31.7	31.3	31.1	30.9	30.6	30.3	29.8
21.25°	34.4	33.3	32.7	32.2	31.8	31.5	31.2	31.0	30.7	30.4	30.0
20°	35.1	33.8	33.0	32.5	32.0	31.6	31.3	31.1	30.8	30.5	30.2
18.75°	35.8	34.5	33.3	32.7	32.2	31.8	31.4	31.2	30.9	30.7	30.3
17.5°	36.5	35.1	33.7	33.0	32.4	31.9	31.6	31.2	31.0	30.8	30.4
16.25°	38.0	35.7	34.3	33.2	32.6	32.1	31.7	31.3	31.1	30.9	30.5
15°	39.6	36.3	34.8	33.4	32.8	32.2	31.8	31.4	31.1	30.9	30.6
13.75°	41.0	37.2	35.3	33.9	33.0	32.4	31.9	31.5	31.2	31.0	30.7
12.5°	42.3	38.5	35.8	34.3	33.2	32.6	32.0	31.6	31.3	31.0	30.8
11.25°	43.5	39.6	36.2	34.7	33.3	32.7	32.1	31.7	31.3	31.1	30.8
10°	44.6	40.7	36.8	35.1	33.6	32.9	32.2	31.8	31.4	31.1	30.9
8.75°	46.4	41.6	37.6	35.4	33.9	33.0	32.4	31.9	31.5	31.2	30.9
7.5°	48.2	42.4	38.4	35.7	34.2	33.1	32.5	31.9	31.5	31.2	31.0
6.25°	49.6	43.1	39.1	36.0	34.4	33.2	32.5	32.0	31.6	31.2	31.0
5°	50.8	43.7	39.6	36.1	34.6	33.3	32.6	32.0	31.6	31.3	31.0
3.75°	51.7	44.1	40.1	36.3	34.8	33.3	32.7	32.1	31.7	31.3	31.0
2.5°	52.4	44.4	40.4	36.4	34.9	33.4	32.7	32.1	31.7	31.3	31.0
1.25°	52.8	44.6	40.5	36.5	34.9	33.4	32.7	32.1	31.7	31.3	31.0
0°	53.0	44.7	40.6	36.5	35.0	33.4	32.8	32.1	31.7	31.3	31.1
-1.25°	52.8	44.6	40.5	36.5	34.9	33.4	32.7	32.1	31.7	31.3	31.0
-2.5°	52.4	44.4	40.4	36.4	34.9	33.4	32.7	32.1	31.7	31.3	31.0
-3.75°	51.7	44.1	40.1	36.3	34.8	33.3	32.7	32.1	31.7	31.3	31.0
-5°	50.8	43.7	39.6	36.1	34.6	33.3	32.6	32.0	31.6	31.3	31.0
-6.25°	49.6	43.1	39.1	36.0	34.4	33.2	32.5	32.0	31.6	31.2	31.0
-7.5°	48.2	42.4	38.4	35.7	34.2	33.1	32.5	31.9	31.5	31.2	31.0
-8.75°	46.4	41.6	37.6	35.4	33.9	33.0	32.4	31.9	31.5	31.2	30.9
-10°	44.6	40.7	36.8	35.1	33.6	32.9	32.2	31.8	31.4	31.1	30.9
-11.25°	43.5	39.6	36.2	34.7	33.3	32.7	32.1	31.7	31.3	31.1	30.8
-12.5°	42.3	38.5	35.8	34.3	33.2	32.6	32.0	31.6	31.3	31.0	30.8
-13.75°	41.0	37.2	35.3	33.9	33.0	32.4	31.9	31.5	31.2	31.0	30.7
-15°	39.6	36.3	34.8	33.4	32.8	32.2	31.8	31.4	31.1	30.9	30.6
-16.25°	38.0	35.7	34.3	33.2	32.6	32.1	31.7	31.3	31.1	30.9	30.5
-17.5°	36.5	35.1	33.7	33.0	32.4	31.9	31.6	31.2	31.0	30.8	30.4
-18.75°	35.8	34.5	33.3	32.7	32.2	31.8	31.4	31.2	30.9	30.7	30.3
-20°	35.1	33.8	33.0	32.5	32.0	31.6	31.3	31.1	30.8	30.5	30.2
-21.25°	34.4	33.3	32.7	32.2	31.8	31.5	31.2	31.0	30.7	30.4	30.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	33.6	33.0	32.4	32.0	31.7	31.3	31.1	30.9	30.6	30.3	29.8
-23.75°	33.2	32.7	32.1	31.8	31.5	31.2	31.0	30.8	30.4	30.1	29.6
-25°	32.8	32.3	31.9	31.6	31.3	31.1	30.9	30.6	30.3	29.9	29.4
-26.25°	32.5	32.0	31.7	31.4	31.2	31.0	30.8	30.4	30.1	29.7	29.1
-27.5°	32.1	31.8	31.5	31.2	31.1	30.9	30.6	30.3	29.9	29.4	28.9
-28.75°	31.9	31.6	31.3	31.1	30.9	30.7	30.4	30.1	29.6	29.1	28.6
-30°	31.6	31.4	31.2	31.0	30.8	30.5	30.2	29.8	29.3	28.8	28.3
-31.25°	31.4	31.2	31.0	30.8	30.6	30.3	30.0	29.5	29.0	28.5	28.0
-32.5°	31.2	31.0	30.9	30.6	30.4	30.1	29.7	29.2	28.7	28.2	27.8
-33.75°	31.0	30.9	30.7	30.4	30.1	29.8	29.3	28.9	28.4	27.9	27.5
-35°	30.9	30.7	30.4	30.2	29.8	29.4	29.0	28.5	28.1	27.6	27.0
-36.25°	30.7	30.4	30.2	29.9	29.5	29.0	28.6	28.2	27.7	27.2	26.6
-37.5°	30.4	30.2	29.9	29.5	29.1	28.7	28.2	27.8	27.4	26.8	26.2
-38.75°	30.1	29.8	29.5	29.1	28.7	28.3	27.9	27.5	26.9	26.3	25.7
-40°	29.8	29.4	29.0	28.7	28.3	27.9	27.5	27.0	26.4	25.8	25.1
-41.25°	29.3	29.0	28.6	28.2	27.9	27.5	27.0	26.4	25.9	25.3	24.6
-42.5°	28.9	28.5	28.2	27.8	27.5	27.0	26.4	25.9	25.3	24.7	24.0
-43.75°	28.4	28.1	27.7	27.4	26.9	26.4	25.9	25.3	24.7	24.0	23.4
-45°	27.9	27.6	27.2	26.8	26.3	25.8	25.3	24.7	24.0	23.4	22.8
-46.25°	27.5	27.0	26.6	26.2	25.7	25.1	24.6	24.0	23.4	22.8	22.2
-47.5°	26.8	26.4	26.0	25.5	25.0	24.4	23.9	23.3	22.7	22.2	21.6
-48.75°	26.1	25.7	25.3	24.8	24.2	23.7	23.2	22.6	22.1	21.5	20.8
-50°	25.4	25.0	24.5	24.0	23.5	23.0	22.5	22.0	21.4	20.7	19.9
-51.25°	24.6	24.1	23.7	23.2	22.7	22.3	21.8	21.3	20.5	19.8	19.0
-52.5°	23.8	23.3	22.9	22.5	22.0	21.5	21.0	20.3	19.5	18.8	18.1
-53.75°	22.9	22.5	22.1	21.7	21.3	20.6	19.9	19.2	18.6	17.9	17.2
-55°	22.1	21.7	21.3	20.8	20.1	19.5	18.9	18.2	17.6	16.9	16.2
-56.25°	21.3	20.8	20.2	19.6	19.0	18.4	17.8	17.2	16.6	16.0	15.3
-57.5°	20.1	19.6	19.0	18.5	17.9	17.4	16.8	16.2	15.6	15.0	14.5
-58.75°	18.9	18.4	17.9	17.4	16.8	16.3	15.7	15.2	14.7	14.2	13.7
-60°	17.7	17.2	16.7	16.2	15.7	15.2	14.8	14.3	13.8	13.3	12.8
-61.25°	16.5	16.0	15.6	15.1	14.7	14.3	13.8	13.4	12.9	12.5	12.1
-62.5°	15.3	14.9	14.5	14.1	13.8	13.3	12.9	12.5	12.1	11.8	11.4
-63.75°	14.2	13.9	13.5	13.2	12.8	12.4	12.1	11.7	11.4	11.0	10.7
-65°	13.2	12.9	12.5	12.2	11.9	11.6	11.3	11.0	10.6	10.3	10.1
-66.25°	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.2	10.0	9.8	9.5
-67.5°	11.3	11.1	10.8	10.6	10.3	10.1	9.9	9.6	9.4	9.2	8.9
-68.75°	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.6	8.5
-70°	9.7	9.6	9.4	9.2	9.0	8.8	8.7	8.6	8.4	8.3	8.2
-71.25°	9.0	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
-72.5°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5
-73.75°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1
-75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7
-76.25°	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.1
-77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0
-80°	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-81.25°	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
-82.5°	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
-83.75°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
-85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9
-86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
-87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
-88.75°	0.5	0.5	0.5	0.5	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: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
85°	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.3
83.75°	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7
82.5°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
81.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
80°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	3.0
78.75°	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.7	3.6	3.4
77.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.9
76.25°	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3
75°	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.8
73.75°	7.0	6.8	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2
72.5°	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.2	6.0	5.8	5.6
71.25°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.5	6.2	6.0
70°	8.1	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4
68.75°	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.7
67.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.0
66.25°	9.2	9.0	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.3
65°	9.8	9.5	9.2	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.6
63.75°	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.4	8.2	8.1	7.9
62.5°	11.0	10.6	10.2	9.9	9.6	9.3	8.9	8.7	8.5	8.3	8.1
61.25°	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.0	8.7	8.5	8.3
60°	12.4	11.9	11.5	11.0	10.6	10.2	9.8	9.5	9.1	8.7	8.5
58.75°	13.1	12.6	12.1	11.7	11.2	10.7	10.3	9.9	9.5	9.1	8.7
57.5°	13.9	13.4	12.8	12.3	11.8	11.3	10.8	10.3	9.9	9.5	9.1
56.25°	14.7	14.1	13.6	13.0	12.4	11.9	11.4	10.8	10.3	9.9	9.5
55°	15.6	14.9	14.3	13.7	13.1	12.4	11.9	11.4	10.8	10.3	9.8
53.75°	16.5	15.7	15.0	14.4	13.7	13.1	12.4	11.9	11.3	10.7	10.2
52.5°	17.3	16.6	15.8	15.1	14.4	13.7	13.1	12.4	11.8	11.2	10.6
51.25°	18.2	17.4	16.7	15.9	15.1	14.4	13.7	13.0	12.3	11.7	11.0
50°	19.1	18.3	17.5	16.7	15.8	15.0	14.3	13.6	12.8	12.1	11.5
48.75°	20.0	19.2	18.3	17.4	16.6	15.7	14.9	14.1	13.4	12.6	11.9
47.5°	20.9	20.0	19.1	18.2	17.3	16.5	15.6	14.7	13.9	13.1	12.4
46.25°	21.6	20.8	19.9	19.0	18.1	17.2	16.2	15.3	14.5	13.7	12.8
45°	22.2	21.5	20.7	19.8	18.8	17.9	16.9	16.0	15.0	14.2	13.3
43.75°	22.7	22.1	21.4	20.5	19.5	18.6	17.6	16.6	15.6	14.7	13.8
42.5°	23.3	22.6	22.0	21.3	20.3	19.2	18.2	17.2	16.2	15.2	14.3
41.25°	23.9	23.2	22.5	21.8	21.0	19.9	18.9	17.8	16.8	15.7	14.8
40°	24.4	23.7	23.0	22.3	21.5	20.6	19.5	18.4	17.4	16.3	15.2
38.75°	25.0	24.2	23.5	22.7	22.0	21.3	20.1	19.0	17.9	16.8	15.7
37.5°	25.5	24.8	24.0	23.2	22.5	21.7	20.8	19.6	18.5	17.4	16.2
36.25°	26.0	25.3	24.5	23.7	22.9	22.1	21.3	20.2	19.0	17.9	16.7
35°	26.4	25.7	25.0	24.1	23.3	22.5	21.7	20.8	19.6	18.4	17.2



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	26.8	26.1	25.4	24.6	23.8	22.9	22.1	21.3	20.1	18.9	17.7
32.5°	27.2	26.5	25.8	25.0	24.2	23.3	22.5	21.7	20.6	19.4	18.1
31.25°	27.5	26.9	26.2	25.5	24.6	23.7	22.9	22.0	21.1	19.8	18.6
30°	27.8	27.3	26.6	25.8	25.0	24.1	23.2	22.4	21.5	20.3	19.0
28.75°	28.1	27.6	26.9	26.2	25.4	24.5	23.6	22.7	21.8	20.7	19.4
27.5°	28.3	27.8	27.2	26.5	25.7	24.8	23.9	23.0	22.1	21.2	19.8
26.25°	28.6	28.1	27.5	26.8	26.0	25.2	24.2	23.3	22.4	21.5	20.2
25°	28.8	28.3	27.7	27.1	26.3	25.5	24.6	23.6	22.7	21.8	20.6
23.75°	29.1	28.5	27.9	27.4	26.6	25.8	24.9	23.9	22.9	22.0	21.0
22.5°	29.3	28.7	28.1	27.6	26.8	26.0	25.2	24.2	23.2	22.3	21.3
21.25°	29.5	28.9	28.3	27.8	27.1	26.3	25.4	24.4	23.4	22.5	21.5
20°	29.7	29.1	28.5	27.9	27.3	26.5	25.7	24.7	23.7	22.7	21.7
18.75°	29.9	29.3	28.7	28.1	27.5	26.7	25.9	24.9	23.9	22.9	21.9
17.5°	30.0	29.5	28.9	28.3	27.7	26.9	26.1	25.2	24.1	23.1	22.1
16.25°	30.1	29.6	29.0	28.4	27.8	27.1	26.3	25.4	24.3	23.3	22.3
15°	30.2	29.8	29.2	28.5	27.9	27.3	26.4	25.6	24.5	23.5	22.5
13.75°	30.3	29.9	29.3	28.7	28.1	27.4	26.6	25.7	24.7	23.6	22.6
12.5°	30.4	30.0	29.4	28.8	28.2	27.5	26.7	25.9	24.8	23.8	22.7
11.25°	30.5	30.1	29.5	28.9	28.3	27.6	26.8	26.0	25.0	23.9	22.9
10°	30.5	30.2	29.6	29.0	28.4	27.7	27.0	26.1	25.1	24.0	23.0
8.75°	30.6	30.2	29.7	29.1	28.4	27.8	27.1	26.2	25.2	24.1	23.1
7.5°	30.7	30.3	29.8	29.1	28.5	27.9	27.2	26.3	25.3	24.2	23.2
6.25°	30.7	30.3	29.9	29.2	28.6	27.9	27.2	26.3	25.4	24.3	23.2
5°	30.7	30.3	29.9	29.3	28.6	28.0	27.3	26.4	25.5	24.4	23.3
3.75°	30.8	30.4	29.9	29.3	28.7	28.0	27.3	26.4	25.5	24.4	23.3
2.5°	30.8	30.4	30.0	29.3	28.7	28.0	27.4	26.5	25.6	24.5	23.4
1.25°	30.8	30.4	30.0	29.3	28.7	28.0	27.4	26.5	25.6	24.5	23.4
0°	30.8	30.4	30.0	29.4	28.7	28.1	27.4	26.5	25.6	24.5	23.4
-1.25°	30.8	30.4	30.0	29.3	28.7	28.0	27.4	26.5	25.6	24.5	23.4
-2.5°	30.8	30.4	30.0	29.3	28.7	28.0	27.4	26.5	25.6	24.5	23.4
-3.75°	30.8	30.4	29.9	29.3	28.7	28.0	27.3	26.4	25.5	24.4	23.3
-5°	30.7	30.3	29.9	29.3	28.6	28.0	27.3	26.4	25.5	24.4	23.3
-6.25°	30.7	30.3	29.9	29.2	28.6	27.9	27.2	26.3	25.4	24.3	23.2
-7.5°	30.7	30.3	29.8	29.1	28.5	27.9	27.2	26.3	25.3	24.2	23.2
-8.75°	30.6	30.2	29.7	29.1	28.4	27.8	27.1	26.2	25.2	24.1	23.1
-10°	30.5	30.2	29.6	29.0	28.4	27.7	27.0	26.1	25.1	24.0	23.0
-11.25°	30.5	30.1	29.5	28.9	28.3	27.6	26.8	26.0	25.0	23.9	22.9
-12.5°	30.4	30.0	29.4	28.8	28.2	27.5	26.7	25.9	24.8	23.8	22.7
-13.75°	30.3	29.9	29.3	28.7	28.1	27.4	26.6	25.7	24.7	23.6	22.6
-15°	30.2	29.8	29.2	28.5	27.9	27.3	26.4	25.6	24.5	23.5	22.5
-16.25°	30.1	29.6	29.0	28.4	27.8	27.1	26.3	25.4	24.3	23.3	22.3
-17.5°	30.0	29.5	28.9	28.3	27.7	26.9	26.1	25.2	24.1	23.1	22.1
-18.75°	29.9	29.3	28.7	28.1	27.5	26.7	25.9	24.9	23.9	22.9	21.9
-20°	29.7	29.1	28.5	27.9	27.3	26.5	25.7	24.7	23.7	22.7	21.7
-21.25°	29.5	28.9	28.3	27.8	27.1	26.3	25.4	24.4	23.4	22.5	21.5





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	29.3	28.7	28.1	27.6	26.8	26.0	25.2	24.2	23.2	22.3	21.3
-23.75°	29.1	28.5	27.9	27.4	26.6	25.8	24.9	23.9	22.9	22.0	21.0
-25°	28.8	28.3	27.7	27.1	26.3	25.5	24.6	23.6	22.7	21.8	20.6
-26.25°	28.6	28.1	27.5	26.8	26.0	25.2	24.2	23.3	22.4	21.5	20.2
-27.5°	28.3	27.8	27.2	26.5	25.7	24.8	23.9	23.0	22.1	21.2	19.8
-28.75°	28.1	27.6	26.9	26.2	25.4	24.5	23.6	22.7	21.8	20.7	19.4
-30°	27.8	27.3	26.6	25.8	25.0	24.1	23.2	22.4	21.5	20.3	19.0
-31.25°	27.5	26.9	26.2	25.5	24.6	23.7	22.9	22.0	21.1	19.8	18.6
-32.5°	27.2	26.5	25.8	25.0	24.2	23.3	22.5	21.7	20.6	19.4	18.1
-33.75°	26.8	26.1	25.4	24.6	23.8	22.9	22.1	21.3	20.1	18.9	17.7
-35°	26.4	25.7	25.0	24.1	23.3	22.5	21.7	20.8	19.6	18.4	17.2
-36.25°	26.0	25.3	24.5	23.7	22.9	22.1	21.3	20.2	19.0	17.9	16.7
-37.5°	25.5	24.8	24.0	23.2	22.5	21.7	20.8	19.6	18.5	17.4	16.2
-38.75°	25.0	24.2	23.5	22.7	22.0	21.3	20.1	19.0	17.9	16.8	15.7
-40°	24.4	23.7	23.0	22.3	21.5	20.6	19.5	18.4	17.4	16.3	15.2
-41.25°	23.9	23.2	22.5	21.8	21.0	19.9	18.9	17.8	16.8	15.7	14.8
-42.5°	23.3	22.6	22.0	21.3	20.3	19.2	18.2	17.2	16.2	15.2	14.3
-43.75°	22.7	22.1	21.4	20.5	19.5	18.6	17.6	16.6	15.6	14.7	13.8
-45°	22.2	21.5	20.7	19.8	18.8	17.9	16.9	16.0	15.0	14.2	13.3
-46.25°	21.6	20.8	19.9	19.0	18.1	17.2	16.2	15.3	14.5	13.7	12.8
-47.5°	20.9	20.0	19.1	18.2	17.3	16.5	15.6	14.7	13.9	13.1	12.4
-48.75°	20.0	19.2	18.3	17.4	16.6	15.7	14.9	14.1	13.4	12.6	11.9
-50°	19.1	18.3	17.5	16.7	15.8	15.0	14.3	13.6	12.8	12.1	11.5
-51.25°	18.2	17.4	16.7	15.9	15.1	14.4	13.7	13.0	12.3	11.7	11.0
-52.5°	17.3	16.6	15.8	15.1	14.4	13.7	13.1	12.4	11.8	11.2	10.6
-53.75°	16.5	15.7	15.0	14.4	13.7	13.1	12.4	11.9	11.3	10.7	10.2
-55°	15.6	14.9	14.3	13.7	13.1	12.4	11.9	11.4	10.8	10.3	9.8
-56.25°	14.7	14.1	13.6	13.0	12.4	11.9	11.4	10.8	10.3	9.9	9.5
-57.5°	13.9	13.4	12.8	12.3	11.8	11.3	10.8	10.3	9.9	9.5	9.1
-58.75°	13.1	12.6	12.1	11.7	11.2	10.7	10.3	9.9	9.5	9.1	8.7
-60°	12.4	11.9	11.5	11.0	10.6	10.2	9.8	9.5	9.1	8.7	8.5
-61.25°	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.0	8.7	8.5	8.3
-62.5°	11.0	10.6	10.2	9.9	9.6	9.3	8.9	8.7	8.5	8.3	8.1
-63.75°	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.4	8.2	8.1	7.9
-65°	9.8	9.5	9.2	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.6
-66.25°	9.2	9.0	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.3
-67.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.0
-68.75°	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.7
-70°	8.1	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4
-71.25°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.5	6.2	6.0
-72.5°	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.2	6.0	5.8	5.6
-73.75°	7.0	6.8	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-75°	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.8
-76.25°	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3
-77.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.9



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.7	3.6	3.4
-80°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	3.0
-81.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-82.5°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
-83.75°	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7
-85°	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.3
-86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
-87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
83.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
82.5°	2.0	1.9	1.9	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.1
81.25°	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3
80°	2.9	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5
78.75°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7
77.5°	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0
76.25°	4.1	3.9	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
75°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4
73.75°	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.7
72.5°	5.4	5.1	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.1	2.9
71.25°	5.7	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1
70°	6.1	5.9	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.7	3.4
68.75°	6.5	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6
67.5°	6.8	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.8
66.25°	7.1	6.9	6.6	6.4	6.0	5.7	5.4	5.1	4.8	4.4	4.1
65°	7.4	7.2	6.9	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.3
63.75°	7.7	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5
62.5°	7.9	7.7	7.4	7.2	6.9	6.6	6.3	5.9	5.5	5.1	4.7
61.25°	8.1	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.4	5.0
60°	8.3	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2
58.75°	8.5	8.3	8.1	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4
57.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.1	6.8	6.5	6.0	5.6
56.25°	9.0	8.7	8.4	8.2	8.0	7.7	7.3	7.0	6.6	6.2	5.8
55°	9.4	8.9	8.6	8.4	8.1	7.9	7.5	7.2	6.8	6.5	6.0
53.75°	9.7	9.3	8.8	8.5	8.3	8.0	7.7	7.4	7.0	6.6	6.2
52.5°	10.1	9.6	9.1	8.7	8.4	8.1	7.9	7.5	7.2	6.8	6.4
51.25°	10.4	9.9	9.4	8.9	8.6	8.3	8.0	7.7	7.3	6.9	6.5
50°	10.8	10.2	9.7	9.2	8.7	8.4	8.1	7.9	7.5	7.1	6.7
48.75°	11.3	10.6	10.0	9.5	9.0	8.6	8.3	8.0	7.7	7.2	6.8
47.5°	11.7	11.0	10.3	9.8	9.2	8.7	8.4	8.1	7.8	7.4	7.0
46.25°	12.1	11.4	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5	7.1
45°	12.5	11.8	11.0	10.3	9.8	9.2	8.6	8.3	8.0	7.7	7.2
43.75°	12.9	12.1	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.8	7.4
42.5°	13.4	12.5	11.7	11.0	10.2	9.6	9.0	8.6	8.2	7.9	7.5
41.25°	13.8	12.9	12.1	11.3	10.5	9.9	9.3	8.7	8.3	8.0	7.6
40°	14.3	13.3	12.4	11.6	10.8	10.1	9.5	8.8	8.4	8.1	7.7
38.75°	14.7	13.8	12.8	11.9	11.1	10.3	9.7	9.0	8.5	8.2	7.8
37.5°	15.1	14.1	13.2	12.2	11.4	10.6	9.9	9.2	8.6	8.3	7.9
36.25°	15.6	14.5	13.5	12.5	11.7	10.8	10.1	9.4	8.7	8.4	8.0
35°	16.0	14.9	13.9	12.9	12.0	11.1	10.2	9.6	8.9	8.4	8.1



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	16.5	15.3	14.2	13.2	12.2	11.3	10.4	9.7	9.0	8.5	8.1
32.5°	16.9	15.7	14.6	13.5	12.5	11.6	10.7	9.9	9.2	8.6	8.2
31.25°	17.3	16.1	14.9	13.8	12.7	11.8	10.9	10.1	9.3	8.7	8.3
30°	17.7	16.5	15.2	14.1	13.0	12.0	11.1	10.2	9.5	8.8	8.3
28.75°	18.1	16.9	15.6	14.4	13.3	12.3	11.3	10.4	9.6	8.9	8.4
27.5°	18.5	17.2	15.9	14.7	13.6	12.5	11.5	10.5	9.8	9.0	8.5
26.25°	18.9	17.6	16.2	15.0	13.8	12.7	11.7	10.7	9.9	9.1	8.5
25°	19.2	17.9	16.6	15.2	14.1	12.9	11.9	10.9	10.0	9.3	8.6
23.75°	19.6	18.2	16.9	15.5	14.3	13.1	12.0	11.1	10.1	9.4	8.6
22.5°	19.9	18.5	17.1	15.8	14.5	13.3	12.2	11.2	10.2	9.5	8.7
21.25°	20.2	18.8	17.4	16.0	14.7	13.5	12.4	11.4	10.4	9.6	8.8
20°	20.5	19.1	17.7	16.3	14.9	13.7	12.5	11.5	10.5	9.7	8.9
18.75°	20.8	19.4	17.9	16.5	15.1	13.9	12.7	11.6	10.6	9.7	8.9
17.5°	21.1	19.6	18.1	16.7	15.3	14.1	12.8	11.8	10.7	9.8	9.0
16.25°	21.3	19.8	18.4	16.9	15.5	14.2	13.0	11.9	10.8	9.9	9.1
15°	21.5	20.0	18.6	17.1	15.7	14.4	13.1	12.0	10.9	10.0	9.2
13.75°	21.6	20.2	18.7	17.3	15.8	14.5	13.2	12.1	11.0	10.0	9.2
12.5°	21.7	20.4	18.9	17.4	16.0	14.6	13.4	12.2	11.1	10.1	9.3
11.25°	21.8	20.6	19.1	17.6	16.1	14.7	13.5	12.2	11.2	10.2	9.3
10°	21.9	20.7	19.2	17.7	16.2	14.8	13.5	12.3	11.2	10.2	9.4
8.75°	22.0	20.9	19.3	17.8	16.3	14.9	13.6	12.4	11.3	10.3	9.4
7.5°	22.1	21.0	19.5	17.9	16.4	15.0	13.7	12.4	11.4	10.3	9.5
6.25°	22.2	21.1	19.5	18.0	16.5	15.1	13.8	12.5	11.4	10.3	9.5
5°	22.2	21.2	19.6	18.1	16.6	15.1	13.8	12.5	11.4	10.4	9.5
3.75°	22.3	21.2	19.7	18.1	16.6	15.1	13.9	12.6	11.5	10.4	9.5
2.5°	22.3	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.5
1.25°	22.3	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.5
0°	22.4	21.3	19.8	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.6
-1.25°	22.3	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.5
-2.5°	22.3	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.5
-3.75°	22.3	21.2	19.7	18.1	16.6	15.1	13.9	12.6	11.5	10.4	9.5
-5°	22.2	21.2	19.6	18.1	16.6	15.1	13.8	12.5	11.4	10.4	9.5
-6.25°	22.2	21.1	19.5	18.0	16.5	15.1	13.8	12.5	11.4	10.3	9.5
-7.5°	22.1	21.0	19.5	17.9	16.4	15.0	13.7	12.4	11.4	10.3	9.5
-8.75°	22.0	20.9	19.3	17.8	16.3	14.9	13.6	12.4	11.3	10.3	9.4
-10°	21.9	20.7	19.2	17.7	16.2	14.8	13.5	12.3	11.2	10.2	9.4
-11.25°	21.8	20.6	19.1	17.6	16.1	14.7	13.5	12.2	11.2	10.2	9.3
-12.5°	21.7	20.4	18.9	17.4	16.0	14.6	13.4	12.2	11.1	10.1	9.3
-13.75°	21.6	20.2	18.7	17.3	15.8	14.5	13.2	12.1	11.0	10.0	9.2
-15°	21.5	20.0	18.6	17.1	15.7	14.4	13.1	12.0	10.9	10.0	9.2
-16.25°	21.3	19.8	18.4	16.9	15.5	14.2	13.0	11.9	10.8	9.9	9.1
-17.5°	21.1	19.6	18.1	16.7	15.3	14.1	12.8	11.8	10.7	9.8	9.0
-18.75°	20.8	19.4	17.9	16.5	15.1	13.9	12.7	11.6	10.6	9.7	8.9
-20°	20.5	19.1	17.7	16.3	14.9	13.7	12.5	11.5	10.5	9.7	8.9
-21.25°	20.2	18.8	17.4	16.0	14.7	13.5	12.4	11.4	10.4	9.6	8.8



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	19.9	18.5	17.1	15.8	14.5	13.3	12.2	11.2	10.2	9.5	8.7
-23.75°	19.6	18.2	16.9	15.5	14.3	13.1	12.0	11.1	10.1	9.4	8.6
-25°	19.2	17.9	16.6	15.2	14.1	12.9	11.9	10.9	10.0	9.3	8.6
-26.25°	18.9	17.6	16.2	15.0	13.8	12.7	11.7	10.7	9.9	9.1	8.5
-27.5°	18.5	17.2	15.9	14.7	13.6	12.5	11.5	10.5	9.8	9.0	8.5
-28.75°	18.1	16.9	15.6	14.4	13.3	12.3	11.3	10.4	9.6	8.9	8.4
-30°	17.7	16.5	15.2	14.1	13.0	12.0	11.1	10.2	9.5	8.8	8.3
-31.25°	17.3	16.1	14.9	13.8	12.7	11.8	10.9	10.1	9.3	8.7	8.3
-32.5°	16.9	15.7	14.6	13.5	12.5	11.6	10.7	9.9	9.2	8.6	8.2
-33.75°	16.5	15.3	14.2	13.2	12.2	11.3	10.4	9.7	9.0	8.5	8.1
-35°	16.0	14.9	13.9	12.9	12.0	11.1	10.2	9.6	8.9	8.4	8.1
-36.25°	15.6	14.5	13.5	12.5	11.7	10.8	10.1	9.4	8.7	8.4	8.0
-37.5°	15.1	14.1	13.2	12.2	11.4	10.6	9.9	9.2	8.6	8.3	7.9
-38.75°	14.7	13.8	12.8	11.9	11.1	10.3	9.7	9.0	8.5	8.2	7.8
-40°	14.3	13.3	12.4	11.6	10.8	10.1	9.5	8.8	8.4	8.1	7.7
-41.25°	13.8	12.9	12.1	11.3	10.5	9.9	9.3	8.7	8.3	8.0	7.6
-42.5°	13.4	12.5	11.7	11.0	10.2	9.6	9.0	8.6	8.2	7.9	7.5
-43.75°	12.9	12.1	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.8	7.4
-45°	12.5	11.8	11.0	10.3	9.8	9.2	8.6	8.3	8.0	7.7	7.2
-46.25°	12.1	11.4	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5	7.1
-47.5°	11.7	11.0	10.3	9.8	9.2	8.7	8.4	8.1	7.8	7.4	7.0
-48.75°	11.3	10.6	10.0	9.5	9.0	8.6	8.3	8.0	7.7	7.2	6.8
-50°	10.8	10.2	9.7	9.2	8.7	8.4	8.1	7.9	7.5	7.1	6.7
-51.25°	10.4	9.9	9.4	8.9	8.6	8.3	8.0	7.7	7.3	6.9	6.5
-52.5°	10.1	9.6	9.1	8.7	8.4	8.1	7.9	7.5	7.2	6.8	6.4
-53.75°	9.7	9.3	8.8	8.5	8.3	8.0	7.7	7.4	7.0	6.6	6.2
-55°	9.4	8.9	8.6	8.4	8.1	7.9	7.5	7.2	6.8	6.5	6.0
-56.25°	9.0	8.7	8.4	8.2	8.0	7.7	7.3	7.0	6.6	6.2	5.8
-57.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.1	6.8	6.5	6.0	5.6
-58.75°	8.5	8.3	8.1	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4
-60°	8.3	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2
-61.25°	8.1	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.4	5.0
-62.5°	7.9	7.7	7.4	7.2	6.9	6.6	6.3	5.9	5.5	5.1	4.7
-63.75°	7.7	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5
-65°	7.4	7.2	6.9	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.3
-66.25°	7.1	6.9	6.6	6.4	6.0	5.7	5.4	5.1	4.8	4.4	4.1
-67.5°	6.8	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.8
-68.75°	6.5	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6
-70°	6.1	5.9	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.7	3.4
-71.25°	5.7	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1
-72.5°	5.4	5.1	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.1	2.9
-73.75°	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.7
-75°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4
-76.25°	4.1	3.9	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
-77.5°	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7
-80°	2.9	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5
-81.25°	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3
-82.5°	2.0	1.9	1.9	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.1
-83.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
-87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	7.8	7.2	6.7	6.0	5.3	4.6	3.9	3.1	2.4	1.7	1.1
32.5°	7.8	7.3	6.8	6.1	5.4	4.7	4.0	3.2	2.5	1.8	1.1
31.25°	7.9	7.4	6.8	6.2	5.5	4.8	4.0	3.2	2.5	1.8	1.1
30°	8.0	7.5	6.9	6.3	5.6	4.8	4.1	3.3	2.5	1.8	1.1
28.75°	8.0	7.6	7.0	6.4	5.7	4.9	4.1	3.3	2.6	1.8	1.1
27.5°	8.1	7.6	7.1	6.5	5.7	5.0	4.2	3.4	2.6	1.9	1.2
26.25°	8.1	7.7	7.1	6.5	5.8	5.0	4.2	3.4	2.6	1.9	1.2
25°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
23.75°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
22.5°	8.3	7.9	7.3	6.7	6.0	5.2	4.4	3.6	2.7	2.0	1.2
21.25°	8.3	7.9	7.4	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2
20°	8.4	7.9	7.4	6.8	6.1	5.3	4.5	3.6	2.8	2.0	1.2
18.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.8	2.0	1.2
17.5°	8.4	8.0	7.5	6.9	6.2	5.4	4.5	3.7	2.8	2.0	1.2
16.25°	8.5	8.0	7.5	6.9	6.2	5.4	4.6	3.7	2.9	2.0	1.2
15°	8.5	8.1	7.6	6.9	6.3	5.4	4.6	3.7	2.9	2.1	1.3
13.75°	8.5	8.1	7.6	7.0	6.3	5.5	4.6	3.8	2.9	2.1	1.3
12.5°	8.6	8.1	7.6	7.0	6.3	5.5	4.7	3.8	2.9	2.1	1.3
11.25°	8.6	8.2	7.7	7.0	6.4	5.5	4.7	3.8	2.9	2.1	1.3
10°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	2.9	2.1	1.3
8.75°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	3.0	2.1	1.3
7.5°	8.7	8.2	7.7	7.1	6.4	5.6	4.8	3.9	3.0	2.1	1.3
6.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
3.75°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
2.5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
1.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
0°	8.7	8.3	7.8	7.2	6.5	5.7	4.8	3.9	3.0	2.2	1.3
-1.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-2.5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-3.75°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-6.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-7.5°	8.7	8.2	7.7	7.1	6.4	5.6	4.8	3.9	3.0	2.1	1.3
-8.75°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	3.0	2.1	1.3
-10°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	2.9	2.1	1.3
-11.25°	8.6	8.2	7.7	7.0	6.4	5.5	4.7	3.8	2.9	2.1	1.3
-12.5°	8.6	8.1	7.6	7.0	6.3	5.5	4.7	3.8	2.9	2.1	1.3
-13.75°	8.5	8.1	7.6	7.0	6.3	5.5	4.6	3.8	2.9	2.1	1.3
-15°	8.5	8.1	7.6	6.9	6.3	5.4	4.6	3.7	2.9	2.1	1.3
-16.25°	8.5	8.0	7.5	6.9	6.2	5.4	4.6	3.7	2.9	2.0	1.2
-17.5°	8.4	8.0	7.5	6.9	6.2	5.4	4.5	3.7	2.8	2.0	1.2
-18.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.8	2.0	1.2
-20°	8.4	7.9	7.4	6.8	6.1	5.3	4.5	3.6	2.8	2.0	1.2
-21.25°	8.3	7.9	7.4	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2





REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	8.3	7.9	7.3	6.7	6.0	5.2	4.4	3.6	2.7	2.0	1.2
-23.75°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
-25°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
-26.25°	8.1	7.7	7.1	6.5	5.8	5.0	4.2	3.4	2.6	1.9	1.2
-27.5°	8.1	7.6	7.1	6.5	5.7	5.0	4.2	3.4	2.6	1.9	1.2
-28.75°	8.0	7.6	7.0	6.4	5.7	4.9	4.1	3.3	2.6	1.8	1.1
-30°	8.0	7.5	6.9	6.3	5.6	4.8	4.1	3.3	2.5	1.8	1.1
-31.25°	7.9	7.4	6.8	6.2	5.5	4.8	4.0	3.2	2.5	1.8	1.1
-32.5°	7.8	7.3	6.8	6.1	5.4	4.7	4.0	3.2	2.5	1.8	1.1
-33.75°	7.8	7.2	6.7	6.0	5.3	4.6	3.9	3.1	2.4	1.7	1.1
-35°	7.7	7.1	6.6	6.0	5.3	4.6	3.8	3.1	2.4	1.7	1.1
-36.25°	7.6	7.0	6.5	5.9	5.2	4.5	3.8	3.0	2.3	1.7	1.0
-37.5°	7.5	7.0	6.4	5.8	5.1	4.4	3.7	3.0	2.3	1.6	1.0
-38.75°	7.4	6.9	6.3	5.7	5.0	4.3	3.6	2.9	2.3	1.6	1.0
-40°	7.2	6.8	6.2	5.5	4.9	4.2	3.5	2.9	2.2	1.6	1.0
-41.25°	7.1	6.7	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.5	1.0
-42.5°	7.0	6.5	5.9	5.3	4.7	4.0	3.4	2.7	2.1	1.5	1.0
-43.75°	6.9	6.4	5.8	5.2	4.6	3.9	3.3	2.7	2.1	1.4	0.9
-45°	6.8	6.3	5.7	5.1	4.5	3.8	3.2	2.6	2.0	1.4	0.9
-46.25°	6.7	6.1	5.6	5.0	4.4	3.7	3.1	2.5	1.9	1.4	0.9
-47.5°	6.5	6.0	5.4	4.9	4.3	3.6	3.0	2.5	1.9	1.3	0.9
-48.75°	6.4	5.8	5.3	4.7	4.1	3.5	3.0	2.4	1.8	1.3	0.9
-50°	6.2	5.7	5.1	4.6	4.0	3.4	2.9	2.3	1.8	1.3	0.8
-51.25°	6.0	5.5	5.0	4.5	3.9	3.3	2.8	2.3	1.7	1.2	0.8
-52.5°	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.7	1.2	0.8
-53.75°	5.7	5.2	4.7	4.2	3.6	3.1	2.6	2.1	1.6	1.2	0.8
-55°	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1	0.7
-56.25°	5.3	4.9	4.4	3.9	3.4	2.9	2.4	2.0	1.5	1.1	0.7
-57.5°	5.1	4.7	4.2	3.7	3.3	2.8	2.3	1.9	1.4	1.0	0.7
-58.75°	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.4	1.0	0.7
-60°	4.8	4.3	3.9	3.4	3.0	2.6	2.1	1.7	1.3	1.0	0.6
-61.25°	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9	0.6
-62.5°	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.9	0.6
-63.75°	4.1	3.7	3.4	3.0	2.6	2.2	1.9	1.5	1.1	0.9	0.6
-65°	3.9	3.6	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.8	0.5
-66.25°	3.7	3.4	3.0	2.7	2.3	2.0	1.6	1.3	1.0	0.8	0.5
-67.5°	3.5	3.2	2.8	2.5	2.2	1.9	1.5	1.2	1.0	0.7	0.5
-68.75°	3.3	3.0	2.7	2.4	2.1	1.7	1.4	1.2	0.9	0.7	0.5
-70°	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.9	0.7	0.4
-71.25°	2.8	2.6	2.3	2.0	1.8	1.5	1.3	1.0	0.8	0.6	0.4
-72.5°	2.6	2.4	2.1	1.9	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-73.75°	2.4	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-75°	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-76.25°	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-77.5°	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-80°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-81.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-82.5°	1.0	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-83.75°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
-85°	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.1
-86.25°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-87.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-88.75°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
33.75°	0.5	0.0
32.5°	0.5	0.0
31.25°	0.6	0.0
30°	0.6	0.0
28.75°	0.6	0.0
27.5°	0.6	0.0
26.25°	0.6	0.0
25°	0.6	0.0
23.75°	0.6	0.0
22.5°	0.6	0.0
21.25°	0.6	0.0
20°	0.6	0.0
18.75°	0.6	0.0
17.5°	0.6	0.0
16.25°	0.6	0.0
15°	0.6	0.0
13.75°	0.6	0.0
12.5°	0.6	0.0
11.25°	0.6	0.0
10°	0.6	0.0
8.75°	0.6	0.0
7.5°	0.6	0.0
6.25°	0.6	0.0
5°	0.6	0.0
3.75°	0.6	0.0
2.5°	0.6	0.0
1.25°	0.6	0.0
0°	0.6	0.0
-1.25°	0.6	0.0
-2.5°	0.6	0.0
-3.75°	0.6	0.0
-5°	0.6	0.0
-6.25°	0.6	0.0
-7.5°	0.6	0.0
-8.75°	0.6	0.0
-10°	0.6	0.0
-11.25°	0.6	0.0
-12.5°	0.6	0.0
-13.75°	0.6	0.0
-15°	0.6	0.0
-16.25°	0.6	0.0
-17.5°	0.6	0.0
-18.75°	0.6	0.0
-20°	0.6	0.0
-21.25°	0.6	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

	88.75°	90°
-22.5°	0.6	0.0
-23.75°	0.6	0.0
-25°	0.6	0.0
-26.25°	0.6	0.0
-27.5°	0.6	0.0
-28.75°	0.6	0.0
-30°	0.6	0.0
-31.25°	0.6	0.0
-32.5°	0.5	0.0
-33.75°	0.5	0.0
-35°	0.5	0.0
-36.25°	0.5	0.0
-37.5°	0.5	0.0
-38.75°	0.5	0.0
-40°	0.5	0.0
-41.25°	0.5	0.0
-42.5°	0.5	0.0
-43.75°	0.5	0.0
-45°	0.5	0.0
-46.25°	0.4	0.0
-47.5°	0.4	0.0
-48.75°	0.4	0.0
-50°	0.4	0.0
-51.25°	0.4	0.0
-52.5°	0.4	0.0
-53.75°	0.4	0.0
-55°	0.4	0.0
-56.25°	0.4	0.0
-57.5°	0.3	0.0
-58.75°	0.3	0.0
-60°	0.3	0.0
-61.25°	0.3	0.0
-62.5°	0.3	0.0
-63.75°	0.3	0.0
-65°	0.3	0.0
-66.25°	0.3	0.0
-67.5°	0.2	0.0
-68.75°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	0.0
-73.75°	0.2	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.1	0.0



REPORT NUMBER: P220474 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3597-F-WT-L1-UNV

**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)