

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: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

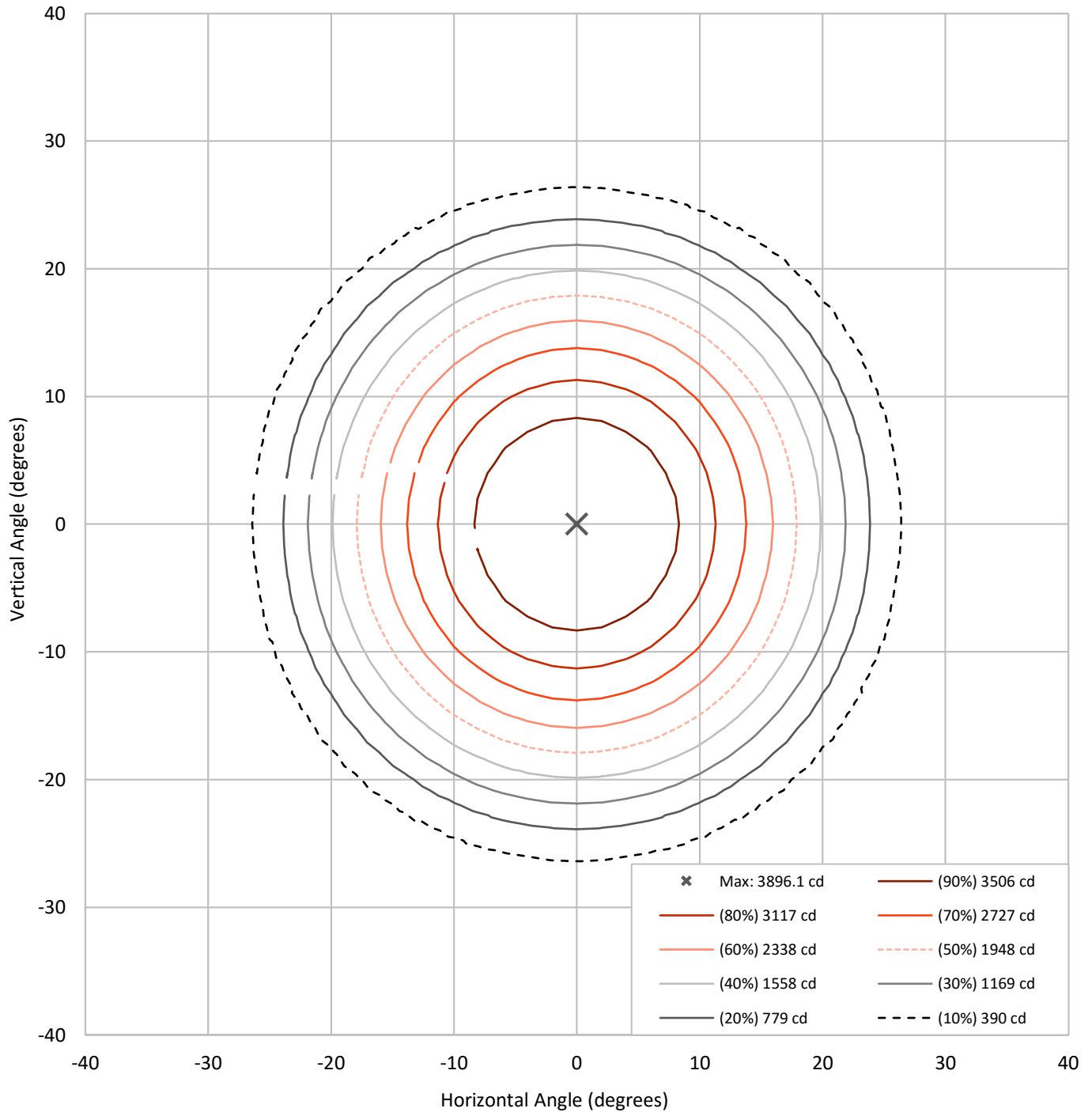
Test Method: LM-79-08
Report Number: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1516.7 lumens	Max Intensity:	3896.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	75.5 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	891.8 lumens	Field Lumens:	1266.8 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

Iso-Candela Plot





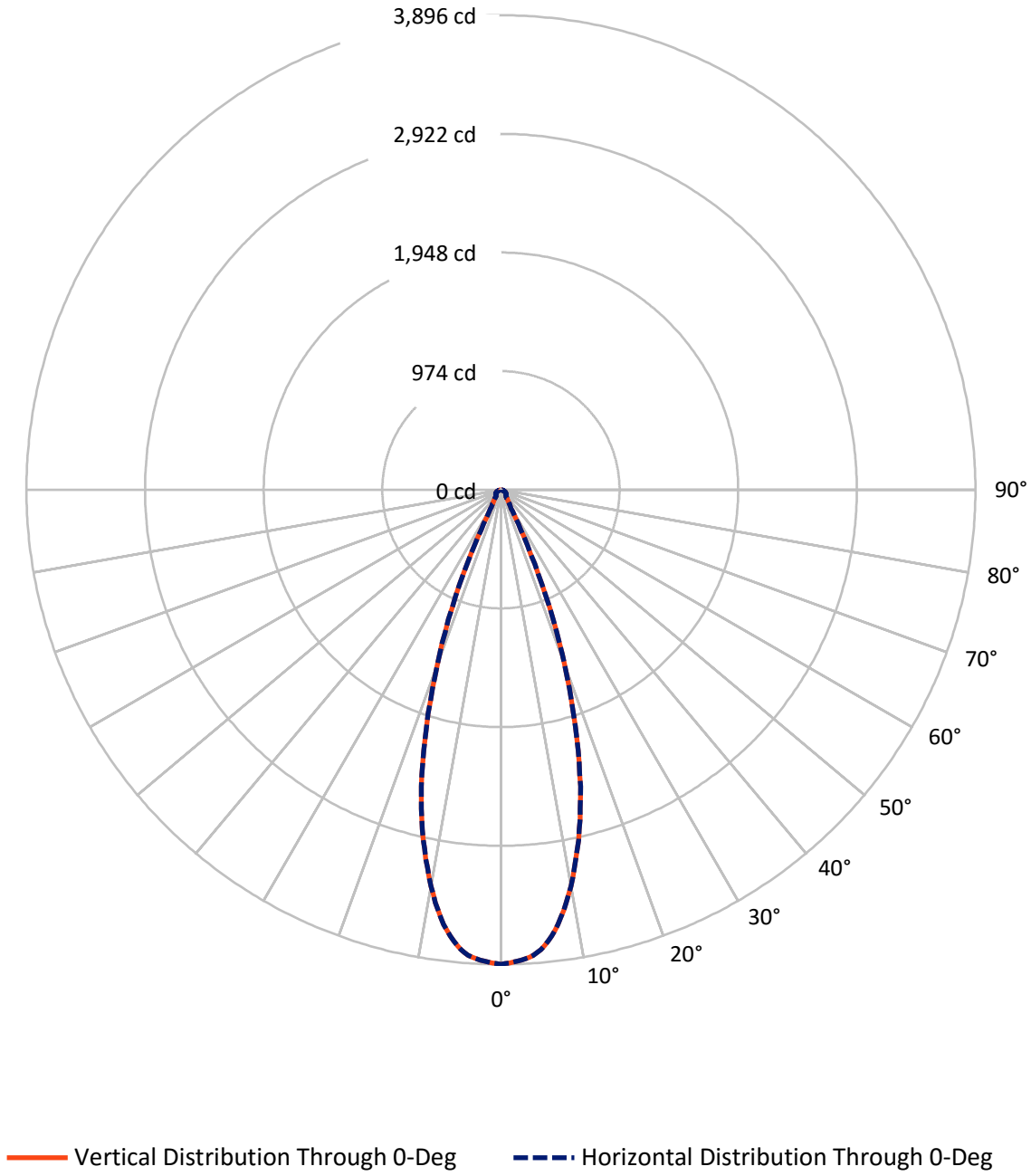
REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

Lumen Table

90	0.1	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.1									
80	0.1	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.1									
70	0.2	0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2	0.2		
60		0.2	0.4	0.7	1.0	1.3	1.4	1.5	1.5	1.4	1.3	1.0	0.7	0.4	0.2			
50	0.2	0.3	0.6	0.9	1.3	1.5	1.7	1.8	1.8	1.7	1.5	1.3	0.9	0.6	0.3	0.2		
40		0.3	0.7	1.1	1.4	1.7	2.2	2.7	2.7	2.2	1.7	1.4	1.1	0.7	0.3			
30	0.3	0.4	0.8	1.2	1.5	2.6	7.6	17.9	17.9	7.6	2.6	1.5	1.2	0.8	0.4	0.3		
20		0.4	0.9	1.2	1.8	7.2	38.2	69.4	69.4	38.2	7.2	1.8	1.2	0.9	0.4			
10	0.3	0.4	0.9	1.3	2.2	16.5	67.5	106.6	106.6	67.5	16.5	2.2	1.3	0.9	0.4	0.3		
0		0.4	0.9	1.3	2.2	16.5	67.5	106.6	106.6	67.5	16.5	2.2	1.3	0.9	0.4			
-10	0.3	0.4	0.9	1.3	2.2	16.5	67.5	106.6	106.6	67.5	16.5	2.2	1.3	0.9	0.4	0.3		
-20		0.4	0.9	1.2	1.8	7.2	38.2	69.4	69.4	38.2	7.2	1.8	1.2	0.9	0.4			
-30	0.3	0.4	0.8	1.2	1.5	2.6	7.6	17.9	17.9	7.6	2.6	1.5	1.2	0.8	0.4	0.3		
-40		0.4	0.9	1.2	1.8	7.2	38.2	69.4	69.4	38.2	7.2	1.8	1.2	0.9	0.4			
-50	0.2	0.3	0.7	1.1	1.4	1.7	2.2	2.7	2.7	2.2	1.7	1.4	1.1	0.7	0.3	0.2		
-60		0.3	0.6	0.9	1.3	1.5	1.7	1.8	1.8	1.7	1.5	1.3	0.9	0.6	0.3			
-70	0.2	0.2	0.4	0.7	1.0	1.3	1.4	1.5	1.5	1.4	1.3	1.0	0.7	0.4	0.2	0.2		
-80		0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2			
-90	0.1	0.4	0.8	1.2	1.4	1.2	0.8	0.4	0.1									

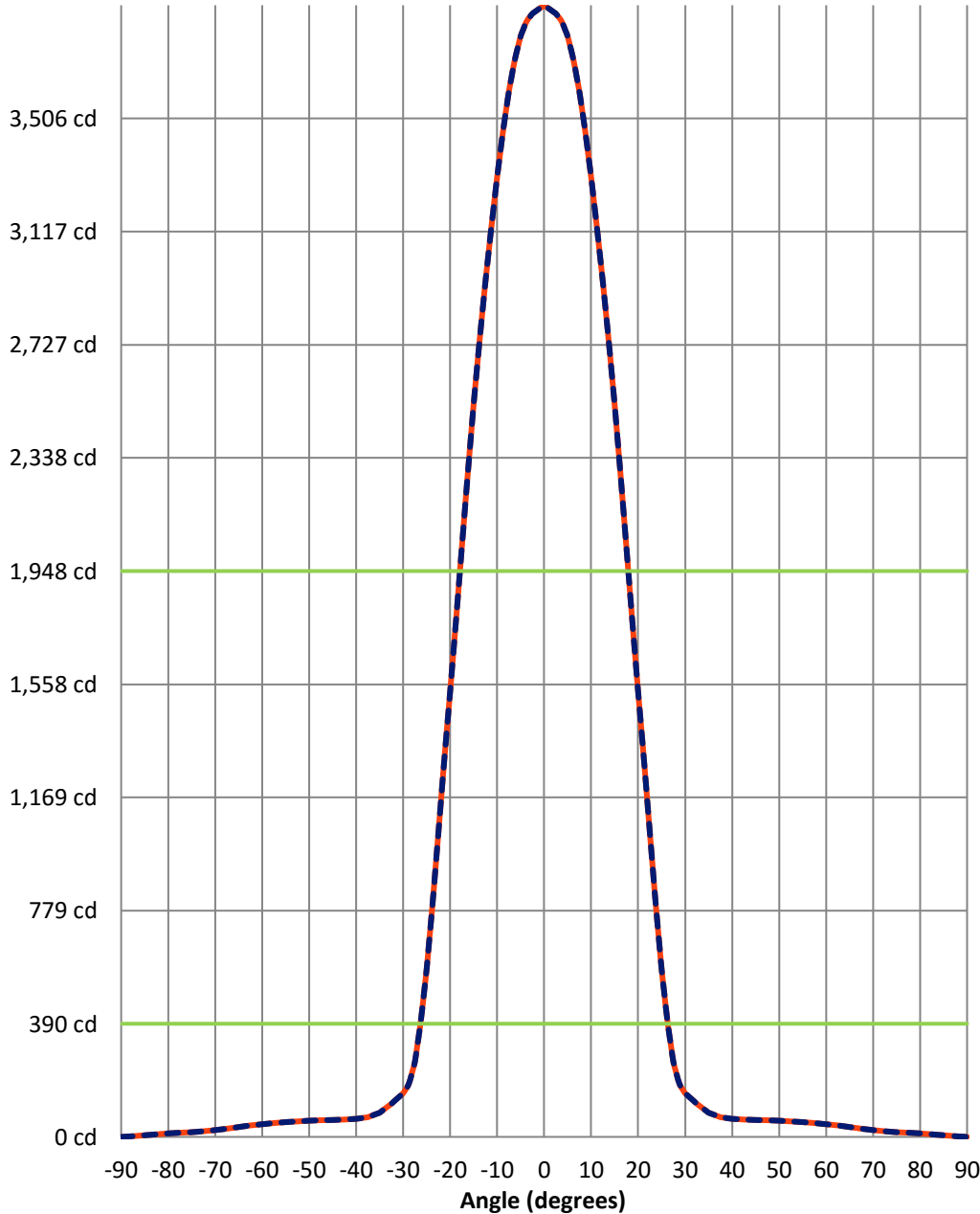
REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

Luminous Intensity Plot



Beam:
H Angle: 35.8°
V Angle: 35.8°
Lumens: 891.8
Efficiency: 58.8%

Field:
H Angle: 52.6°
V Angle: 52.6°
Lumens: 1266.8
Efficiency: 83.5%

Spill:
Lumens: 249.9
Efficiency: 16.5%

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



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	3.0
75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.3
73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.8	3.2	3.7
72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.1	3.5	4.0
71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.3	3.8	4.4
70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.2	4.7
68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.3	3.9	4.5	5.0
67.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.9	3.5	4.1	4.8	5.4
66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.1	3.7	4.4	5.0	5.7
65°	0.0	0.5	1.0	1.5	2.0	2.6	3.3	4.0	4.7	5.3	6.0
63.75°	0.0	0.5	1.1	1.6	2.1	2.7	3.5	4.2	4.9	5.6	6.3
62.5°	0.0	0.6	1.1	1.7	2.2	2.9	3.7	4.4	5.2	5.9	6.6
61.25°	0.0	0.6	1.2	1.7	2.3	3.1	3.9	4.6	5.4	6.2	6.9
60°	0.0	0.6	1.2	1.8	2.4	3.2	4.0	4.9	5.7	6.5	7.3
58.75°	0.0	0.6	1.2	1.9	2.5	3.4	4.2	5.1	5.9	6.7	7.6
57.5°	0.0	0.6	1.3	1.9	2.6	3.5	4.4	5.3	6.2	7.0	7.8
56.25°	0.0	0.7	1.3	2.0	2.8	3.7	4.6	5.5	6.4	7.3	8.1
55°	0.0	0.7	1.4	2.1	2.9	3.8	4.8	5.7	6.6	7.5	8.4
53.75°	0.0	0.7	1.4	2.1	3.0	4.0	4.9	5.9	6.8	7.8	8.7
52.5°	0.0	0.7	1.5	2.2	3.1	4.1	5.1	6.1	7.1	8.0	9.0
51.25°	0.0	0.8	1.5	2.3	3.2	4.3	5.3	6.3	7.3	8.3	9.3
50°	0.0	0.8	1.5	2.3	3.3	4.4	5.5	6.5	7.5	8.5	9.5
48.75°	0.0	0.8	1.6	2.4	3.4	4.5	5.6	6.7	7.7	8.8	9.8
47.5°	0.0	0.8	1.6	2.4	3.6	4.7	5.8	6.9	7.9	9.0	10.1
46.25°	0.0	0.8	1.7	2.5	3.7	4.8	5.9	7.0	8.1	9.2	10.3
45°	0.0	0.8	1.7	2.6	3.8	4.9	6.1	7.2	8.3	9.4	10.6
43.75°	0.0	0.9	1.7	2.7	3.9	5.1	6.2	7.4	8.5	9.7	10.8
42.5°	0.0	0.9	1.8	2.7	4.0	5.2	6.4	7.5	8.7	9.9	11.1
41.25°	0.0	0.9	1.8	2.8	4.1	5.3	6.5	7.7	8.9	10.1	11.3
40°	0.0	0.9	1.8	2.9	4.2	5.4	6.6	7.9	9.1	10.3	11.5
38.75°	0.0	0.9	1.9	3.0	4.2	5.5	6.8	8.0	9.3	10.5	11.7
37.5°	0.0	1.0	1.9	3.0	4.3	5.6	6.9	8.2	9.4	10.7	12.0
36.25°	0.0	1.0	1.9	3.1	4.4	5.7	7.0	8.3	9.6	10.9	12.2
35°	0.0	1.0	2.0	3.2	4.5	5.8	7.2	8.5	9.8	11.1	12.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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	1.0	2.0	3.2	4.6	5.9	7.3	8.6	9.9	11.2	12.5
32.5°	0.0	1.0	2.0	3.3	4.7	6.0	7.4	8.7	10.1	11.4	12.6
31.25°	0.0	1.0	2.1	3.3	4.7	6.1	7.5	8.9	10.2	11.6	12.7
30°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.8	12.9
28.75°	0.0	1.1	2.1	3.4	4.9	6.3	7.7	9.1	10.5	11.9	13.0
27.5°	0.0	1.1	2.1	3.5	5.0	6.4	7.8	9.2	10.6	12.1	13.1
26.25°	0.0	1.1	2.2	3.5	5.0	6.5	7.9	9.3	10.8	12.2	13.2
25°	0.0	1.1	2.2	3.6	5.1	6.5	8.0	9.4	10.9	12.3	13.4
23.75°	0.0	1.1	2.2	3.6	5.1	6.6	8.1	9.5	11.0	12.4	13.5
22.5°	0.0	1.1	2.2	3.7	5.2	6.7	8.2	9.6	11.1	12.5	13.6
21.25°	0.0	1.1	2.2	3.7	5.3	6.8	8.2	9.7	11.2	12.6	13.7
20°	0.0	1.1	2.3	3.8	5.3	6.8	8.3	9.8	11.3	12.6	13.8
18.75°	0.0	1.1	2.3	3.8	5.3	6.9	8.4	9.9	11.4	12.7	13.9
17.5°	0.0	1.1	2.3	3.8	5.4	6.9	8.5	10.0	11.5	12.8	13.9
16.25°	0.0	1.2	2.3	3.9	5.4	7.0	8.5	10.0	11.6	12.9	14.0
15°	0.0	1.2	2.3	3.9	5.5	7.0	8.6	10.1	11.7	12.9	14.1
13.75°	0.0	1.2	2.3	3.9	5.5	7.1	8.6	10.2	11.7	13.0	14.2
12.5°	0.0	1.2	2.3	3.9	5.5	7.1	8.7	10.2	11.8	13.0	14.2
11.25°	0.0	1.2	2.4	4.0	5.6	7.1	8.7	10.3	11.9	13.1	14.3
10°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.3	11.9	13.1	14.3
8.75°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	11.9	13.2	14.4
7.5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
6.25°	0.0	1.2	2.4	4.0	5.7	7.3	8.8	10.4	12.0	13.2	14.4
5°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
3.75°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
2.5°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
1.25°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
0°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
-1.25°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
-2.5°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
-3.75°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
-5°	0.0	1.2	2.4	4.0	5.7	7.3	8.9	10.5	12.1	13.3	14.5
-6.25°	0.0	1.2	2.4	4.0	5.7	7.3	8.8	10.4	12.0	13.2	14.4
-7.5°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	12.0	13.2	14.4
-8.75°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.4	11.9	13.2	14.4
-10°	0.0	1.2	2.4	4.0	5.6	7.2	8.8	10.3	11.9	13.1	14.3
-11.25°	0.0	1.2	2.4	4.0	5.6	7.1	8.7	10.3	11.9	13.1	14.3
-12.5°	0.0	1.2	2.3	3.9	5.5	7.1	8.7	10.2	11.8	13.0	14.2
-13.75°	0.0	1.2	2.3	3.9	5.5	7.1	8.6	10.2	11.7	13.0	14.2
-15°	0.0	1.2	2.3	3.9	5.5	7.0	8.6	10.1	11.7	12.9	14.1
-16.25°	0.0	1.2	2.3	3.9	5.4	7.0	8.5	10.0	11.6	12.9	14.0
-17.5°	0.0	1.1	2.3	3.8	5.4	6.9	8.5	10.0	11.5	12.8	13.9
-18.75°	0.0	1.1	2.3	3.8	5.3	6.9	8.4	9.9	11.4	12.7	13.9
-20°	0.0	1.1	2.3	3.8	5.3	6.8	8.3	9.8	11.3	12.6	13.8
-21.25°	0.0	1.1	2.2	3.7	5.3	6.8	8.2	9.7	11.2	12.6	13.7



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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	1.1	2.2	3.7	5.2	6.7	8.2	9.6	11.1	12.5	13.6
-23.75°	0.0	1.1	2.2	3.6	5.1	6.6	8.1	9.5	11.0	12.4	13.5
-25°	0.0	1.1	2.2	3.6	5.1	6.5	8.0	9.4	10.9	12.3	13.4
-26.25°	0.0	1.1	2.2	3.5	5.0	6.5	7.9	9.3	10.8	12.2	13.2
-27.5°	0.0	1.1	2.1	3.5	5.0	6.4	7.8	9.2	10.6	12.1	13.1
-28.75°	0.0	1.1	2.1	3.4	4.9	6.3	7.7	9.1	10.5	11.9	13.0
-30°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.8	12.9
-31.25°	0.0	1.0	2.1	3.3	4.7	6.1	7.5	8.9	10.2	11.6	12.7
-32.5°	0.0	1.0	2.0	3.3	4.7	6.0	7.4	8.7	10.1	11.4	12.6
-33.75°	0.0	1.0	2.0	3.2	4.6	5.9	7.3	8.6	9.9	11.2	12.5
-35°	0.0	1.0	2.0	3.2	4.5	5.8	7.2	8.5	9.8	11.1	12.3
-36.25°	0.0	1.0	1.9	3.1	4.4	5.7	7.0	8.3	9.6	10.9	12.2
-37.5°	0.0	1.0	1.9	3.0	4.3	5.6	6.9	8.2	9.4	10.7	12.0
-38.75°	0.0	0.9	1.9	3.0	4.2	5.5	6.8	8.0	9.3	10.5	11.7
-40°	0.0	0.9	1.8	2.9	4.2	5.4	6.6	7.9	9.1	10.3	11.5
-41.25°	0.0	0.9	1.8	2.8	4.1	5.3	6.5	7.7	8.9	10.1	11.3
-42.5°	0.0	0.9	1.8	2.7	4.0	5.2	6.4	7.5	8.7	9.9	11.1
-43.75°	0.0	0.9	1.7	2.7	3.9	5.1	6.2	7.4	8.5	9.7	10.8
-45°	0.0	0.8	1.7	2.6	3.8	4.9	6.1	7.2	8.3	9.4	10.6
-46.25°	0.0	0.8	1.7	2.5	3.7	4.8	5.9	7.0	8.1	9.2	10.3
-47.5°	0.0	0.8	1.6	2.4	3.6	4.7	5.8	6.9	7.9	9.0	10.1
-48.75°	0.0	0.8	1.6	2.4	3.4	4.5	5.6	6.7	7.7	8.8	9.8
-50°	0.0	0.8	1.5	2.3	3.3	4.4	5.5	6.5	7.5	8.5	9.5
-51.25°	0.0	0.8	1.5	2.3	3.2	4.3	5.3	6.3	7.3	8.3	9.3
-52.5°	0.0	0.7	1.5	2.2	3.1	4.1	5.1	6.1	7.1	8.0	9.0
-53.75°	0.0	0.7	1.4	2.1	3.0	4.0	4.9	5.9	6.8	7.8	8.7
-55°	0.0	0.7	1.4	2.1	2.9	3.8	4.8	5.7	6.6	7.5	8.4
-56.25°	0.0	0.7	1.3	2.0	2.8	3.7	4.6	5.5	6.4	7.3	8.1
-57.5°	0.0	0.6	1.3	1.9	2.6	3.5	4.4	5.3	6.2	7.0	7.8
-58.75°	0.0	0.6	1.2	1.9	2.5	3.4	4.2	5.1	5.9	6.7	7.6
-60°	0.0	0.6	1.2	1.8	2.4	3.2	4.0	4.9	5.7	6.5	7.3
-61.25°	0.0	0.6	1.2	1.7	2.3	3.1	3.9	4.6	5.4	6.2	6.9
-62.5°	0.0	0.6	1.1	1.7	2.2	2.9	3.7	4.4	5.2	5.9	6.6
-63.75°	0.0	0.5	1.1	1.6	2.1	2.7	3.5	4.2	4.9	5.6	6.3
-65°	0.0	0.5	1.0	1.5	2.0	2.6	3.3	4.0	4.7	5.3	6.0
-66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.1	3.7	4.4	5.0	5.7
-67.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.9	3.5	4.1	4.8	5.4
-68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.3	3.9	4.5	5.0
-70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.2	4.7
-71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.3	3.8	4.4
-72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.1	3.5	4.0
-73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.8	3.2	3.7
-75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.9	3.3
-76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	3.0
-77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.5
81.25°	2.0	2.2	2.3	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2
80°	2.3	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.7	4.9
78.75°	2.6	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.0	5.3	5.6
77.5°	3.0	3.3	3.7	4.0	4.4	4.7	5.0	5.4	5.7	6.0	6.3
76.25°	3.4	3.8	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.7	7.0
75°	3.8	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
73.75°	4.1	4.6	5.0	5.5	5.9	6.3	6.8	7.2	7.6	8.0	8.4
72.5°	4.5	5.0	5.5	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.1
71.25°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.8
70°	5.3	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
68.75°	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.5	10.0	10.6	11.1
67.5°	6.0	6.6	7.2	7.8	8.3	8.9	9.5	10.1	10.6	11.2	11.8
66.25°	6.3	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.2	11.8	12.4
65°	6.7	7.3	8.0	8.6	9.3	9.9	10.6	11.2	11.8	12.4	12.8
63.75°	7.0	7.7	8.4	9.1	9.8	10.4	11.1	11.8	12.4	12.8	13.3
62.5°	7.4	8.1	8.8	9.5	10.2	10.9	11.6	12.3	12.8	13.3	13.8
61.25°	7.7	8.5	9.2	9.9	10.7	11.4	12.1	12.7	13.2	13.8	14.3
60°	8.0	8.8	9.6	10.4	11.1	11.9	12.5	13.1	13.7	14.2	14.7
58.75°	8.4	9.2	10.0	10.8	11.6	12.3	12.9	13.5	14.1	14.6	15.0
57.5°	8.7	9.5	10.4	11.2	12.0	12.7	13.3	13.9	14.5	14.9	15.3
56.25°	9.0	9.9	10.7	11.6	12.4	13.0	13.7	14.3	14.8	15.2	15.7
55°	9.3	10.2	11.1	12.0	12.7	13.4	14.0	14.6	15.1	15.5	16.0
53.75°	9.6	10.6	11.5	12.3	13.0	13.7	14.4	14.9	15.4	15.8	16.4
52.5°	9.9	10.9	11.9	12.6	13.3	14.0	14.7	15.2	15.7	16.1	17.0
51.25°	10.3	11.2	12.2	12.9	13.6	14.4	14.9	15.4	15.9	16.6	17.6
50°	10.5	11.6	12.4	13.2	13.9	14.6	15.2	15.7	16.2	17.2	18.1
48.75°	10.8	11.9	12.7	13.5	14.2	14.9	15.4	15.9	16.7	17.7	18.7
47.5°	11.1	12.2	13.0	13.8	14.5	15.1	15.6	16.2	17.2	18.2	19.3
46.25°	11.4	12.4	13.2	14.0	14.7	15.3	15.9	16.6	17.7	18.8	19.9
45°	11.7	12.6	13.5	14.3	14.9	15.5	16.1	17.1	18.2	19.3	20.6
43.75°	12.0	12.8	13.7	14.5	15.1	15.7	16.4	17.5	18.6	19.8	21.2
42.5°	12.2	13.1	13.9	14.7	15.3	15.9	16.8	18.0	19.1	20.4	21.9
41.25°	12.4	13.3	14.2	14.9	15.5	16.1	17.2	18.4	19.6	21.0	22.5
40°	12.6	13.5	14.4	15.1	15.7	16.4	17.6	18.8	20.2	21.6	23.1
38.75°	12.8	13.7	14.6	15.2	15.9	16.8	18.0	19.2	20.7	22.2	23.7
37.5°	12.9	13.9	14.7	15.4	16.0	17.2	18.4	19.7	21.2	22.7	24.5
36.25°	13.1	14.1	14.9	15.5	16.2	17.5	18.8	20.2	21.7	23.3	25.2
35°	13.3	14.3	15.0	15.7	16.5	17.8	19.1	20.6	22.2	23.9	25.8



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	13.4	14.4	15.1	15.8	16.8	18.1	19.5	21.1	22.7	24.5	26.5
32.5°	13.6	14.6	15.3	16.0	17.1	18.5	19.9	21.5	23.2	25.1	27.1
31.25°	13.8	14.7	15.4	16.1	17.4	18.8	20.3	22.0	23.7	25.7	27.7
30°	13.9	14.8	15.5	16.3	17.7	19.1	20.7	22.4	24.2	26.3	28.3
28.75°	14.0	14.9	15.7	16.6	18.0	19.3	21.0	22.8	24.7	26.8	29.0
27.5°	14.2	15.0	15.8	16.8	18.2	19.7	21.4	23.1	25.2	27.4	29.6
26.25°	14.3	15.1	15.9	17.0	18.4	20.0	21.8	23.5	25.7	27.9	30.3
25°	14.4	15.2	16.0	17.2	18.7	20.3	22.1	24.0	26.2	28.3	30.8
23.75°	14.5	15.3	16.1	17.4	18.9	20.6	22.4	24.4	26.6	28.9	31.4
22.5°	14.6	15.4	16.2	17.6	19.1	20.9	22.7	24.8	27.0	29.4	31.9
21.25°	14.7	15.5	16.4	17.8	19.3	21.1	23.0	25.2	27.4	29.9	32.4
20°	14.8	15.6	16.5	18.0	19.5	21.4	23.3	25.5	27.8	30.3	32.9
18.75°	14.8	15.6	16.7	18.2	19.8	21.6	23.5	25.8	28.1	30.7	33.4
17.5°	14.9	15.7	16.8	18.3	20.0	21.9	23.8	26.2	28.5	31.1	33.8
16.25°	15.0	15.8	16.9	18.5	20.2	22.1	24.1	26.4	28.9	31.5	34.2
15°	15.0	15.8	17.1	18.6	20.3	22.3	24.4	26.7	29.2	31.9	34.6
13.75°	15.1	15.9	17.2	18.7	20.5	22.4	24.6	27.0	29.5	32.2	34.9
12.5°	15.1	16.0	17.3	18.9	20.7	22.6	24.8	27.2	29.8	32.5	35.2
11.25°	15.2	16.0	17.4	19.0	20.8	22.8	25.0	27.4	30.0	32.8	35.5
10°	15.2	16.0	17.5	19.0	20.9	22.9	25.2	27.6	30.2	33.0	35.8
8.75°	15.2	16.1	17.6	19.1	21.0	23.0	25.3	27.8	30.4	33.2	36.0
7.5°	15.3	16.1	17.6	19.2	21.1	23.1	25.5	27.9	30.6	33.4	36.2
6.25°	15.3	16.1	17.7	19.3	21.2	23.2	25.6	28.0	30.8	33.5	36.4
5°	15.3	16.2	17.7	19.3	21.3	23.3	25.7	28.1	30.9	33.7	36.5
3.75°	15.3	16.2	17.8	19.4	21.3	23.3	25.8	28.2	31.0	33.8	36.6
2.5°	15.3	16.2	17.8	19.4	21.4	23.4	25.8	28.3	31.0	33.8	36.7
1.25°	15.3	16.2	17.8	19.4	21.4	23.4	25.8	28.3	31.1	33.9	36.7
0°	15.4	16.2	17.8	19.4	21.4	23.4	25.9	28.3	31.1	33.9	36.8
-1.25°	15.3	16.2	17.8	19.4	21.4	23.4	25.8	28.3	31.1	33.9	36.7
-2.5°	15.3	16.2	17.8	19.4	21.4	23.4	25.8	28.3	31.0	33.8	36.7
-3.75°	15.3	16.2	17.8	19.4	21.3	23.3	25.8	28.2	31.0	33.8	36.6
-5°	15.3	16.2	17.7	19.3	21.3	23.3	25.7	28.1	30.9	33.7	36.5
-6.25°	15.3	16.1	17.7	19.3	21.2	23.2	25.6	28.0	30.8	33.5	36.4
-7.5°	15.3	16.1	17.6	19.2	21.1	23.1	25.5	27.9	30.6	33.4	36.2
-8.75°	15.2	16.1	17.6	19.1	21.0	23.0	25.3	27.8	30.4	33.2	36.0
-10°	15.2	16.0	17.5	19.0	20.9	22.9	25.2	27.6	30.2	33.0	35.8
-11.25°	15.2	16.0	17.4	19.0	20.8	22.8	25.0	27.4	30.0	32.8	35.5
-12.5°	15.1	16.0	17.3	18.9	20.7	22.6	24.8	27.2	29.8	32.5	35.2
-13.75°	15.1	15.9	17.2	18.7	20.5	22.4	24.6	27.0	29.5	32.2	34.9
-15°	15.0	15.8	17.1	18.6	20.3	22.3	24.4	26.7	29.2	31.9	34.6
-16.25°	15.0	15.8	16.9	18.5	20.2	22.1	24.1	26.4	28.9	31.5	34.2
-17.5°	14.9	15.7	16.8	18.3	20.0	21.9	23.8	26.2	28.5	31.1	33.8
-18.75°	14.8	15.6	16.7	18.2	19.8	21.6	23.5	25.8	28.1	30.7	33.4
-20°	14.8	15.6	16.5	18.0	19.5	21.4	23.3	25.5	27.8	30.3	32.9
-21.25°	14.7	15.5	16.4	17.8	19.3	21.1	23.0	25.2	27.4	29.9	32.4



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	14.6	15.4	16.2	17.6	19.1	20.9	22.7	24.8	27.0	29.4	31.9
-23.75°	14.5	15.3	16.1	17.4	18.9	20.6	22.4	24.4	26.6	28.9	31.4
-25°	14.4	15.2	16.0	17.2	18.7	20.3	22.1	24.0	26.2	28.3	30.8
-26.25°	14.3	15.1	15.9	17.0	18.4	20.0	21.8	23.5	25.7	27.9	30.3
-27.5°	14.2	15.0	15.8	16.8	18.2	19.7	21.4	23.1	25.2	27.4	29.6
-28.75°	14.0	14.9	15.7	16.6	18.0	19.3	21.0	22.8	24.7	26.8	29.0
-30°	13.9	14.8	15.5	16.3	17.7	19.1	20.7	22.4	24.2	26.3	28.3
-31.25°	13.8	14.7	15.4	16.1	17.4	18.8	20.3	22.0	23.7	25.7	27.7
-32.5°	13.6	14.6	15.3	16.0	17.1	18.5	19.9	21.5	23.2	25.1	27.1
-33.75°	13.4	14.4	15.1	15.8	16.8	18.1	19.5	21.1	22.7	24.5	26.5
-35°	13.3	14.3	15.0	15.7	16.5	17.8	19.1	20.6	22.2	23.9	25.8
-36.25°	13.1	14.1	14.9	15.5	16.2	17.5	18.8	20.2	21.7	23.3	25.2
-37.5°	12.9	13.9	14.7	15.4	16.0	17.2	18.4	19.7	21.2	22.7	24.5
-38.75°	12.8	13.7	14.6	15.2	15.9	16.8	18.0	19.2	20.7	22.2	23.7
-40°	12.6	13.5	14.4	15.1	15.7	16.4	17.6	18.8	20.2	21.6	23.1
-41.25°	12.4	13.3	14.2	14.9	15.5	16.1	17.2	18.4	19.6	21.0	22.5
-42.5°	12.2	13.1	13.9	14.7	15.3	15.9	16.8	18.0	19.1	20.4	21.9
-43.75°	12.0	12.8	13.7	14.5	15.1	15.7	16.4	17.5	18.6	19.8	21.2
-45°	11.7	12.6	13.5	14.3	14.9	15.5	16.1	17.1	18.2	19.3	20.6
-46.25°	11.4	12.4	13.2	14.0	14.7	15.3	15.9	16.6	17.7	18.8	19.9
-47.5°	11.1	12.2	13.0	13.8	14.5	15.1	15.6	16.2	17.2	18.2	19.3
-48.75°	10.8	11.9	12.7	13.5	14.2	14.9	15.4	15.9	16.7	17.7	18.7
-50°	10.5	11.6	12.4	13.2	13.9	14.6	15.2	15.7	16.2	17.2	18.1
-51.25°	10.3	11.2	12.2	12.9	13.6	14.4	14.9	15.4	15.9	16.6	17.6
-52.5°	9.9	10.9	11.9	12.6	13.3	14.0	14.7	15.2	15.7	16.1	17.0
-53.75°	9.6	10.6	11.5	12.3	13.0	13.7	14.4	14.9	15.4	15.8	16.4
-55°	9.3	10.2	11.1	12.0	12.7	13.4	14.0	14.6	15.1	15.5	16.0
-56.25°	9.0	9.9	10.7	11.6	12.4	13.0	13.7	14.3	14.8	15.2	15.7
-57.5°	8.7	9.5	10.4	11.2	12.0	12.7	13.3	13.9	14.5	14.9	15.3
-58.75°	8.4	9.2	10.0	10.8	11.6	12.3	12.9	13.5	14.1	14.6	15.0
-60°	8.0	8.8	9.6	10.4	11.1	11.9	12.5	13.1	13.7	14.2	14.7
-61.25°	7.7	8.5	9.2	9.9	10.7	11.4	12.1	12.7	13.2	13.8	14.3
-62.5°	7.4	8.1	8.8	9.5	10.2	10.9	11.6	12.3	12.8	13.3	13.8
-63.75°	7.0	7.7	8.4	9.1	9.8	10.4	11.1	11.8	12.4	12.8	13.3
-65°	6.7	7.3	8.0	8.6	9.3	9.9	10.6	11.2	11.8	12.4	12.8
-66.25°	6.3	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.2	11.8	12.4
-67.5°	6.0	6.6	7.2	7.8	8.3	8.9	9.5	10.1	10.6	11.2	11.8
-68.75°	5.6	6.2	6.8	7.3	7.9	8.4	9.0	9.5	10.0	10.6	11.1
-70°	5.3	5.8	6.3	6.9	7.4	7.9	8.4	8.9	9.4	9.9	10.4
-71.25°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.8
-72.5°	4.5	5.0	5.5	5.9	6.4	6.9	7.3	7.8	8.2	8.6	9.1
-73.75°	4.1	4.6	5.0	5.5	5.9	6.3	6.8	7.2	7.6	8.0	8.4
-75°	3.8	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
-76.25°	3.4	3.8	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.7	7.0
-77.5°	3.0	3.3	3.7	4.0	4.4	4.7	5.0	5.4	5.7	6.0	6.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.6	2.9	3.2	3.5	3.8	4.2	4.5	4.8	5.0	5.3	5.6
-80°	2.3	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.4	4.7	4.9
-81.25°	2.0	2.2	2.3	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2
-82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.5
-83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7
-85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
85°	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
83.75°	2.9	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4
82.5°	3.7	3.9	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.5
81.25°	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
80°	5.2	5.4	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5
78.75°	5.9	6.2	6.5	6.7	7.0	7.3	7.5	7.8	8.0	8.3	8.5
77.5°	6.6	6.9	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.3	9.5
76.25°	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.9	10.3	10.5
75°	8.1	8.5	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.2	11.6
73.75°	8.8	9.2	9.6	10.0	10.4	10.7	11.1	11.5	11.9	12.2	12.4
72.5°	9.5	9.9	10.4	10.8	11.2	11.6	12.0	12.3	12.6	12.9	13.2
71.25°	10.2	10.7	11.1	11.6	12.0	12.4	12.7	13.0	13.3	13.6	13.9
70°	10.9	11.4	11.9	12.3	12.7	13.0	13.4	13.7	14.0	14.4	14.6
68.75°	11.6	12.1	12.5	12.9	13.3	13.7	14.0	14.4	14.7	14.9	15.2
67.5°	12.3	12.7	13.1	13.5	13.9	14.3	14.6	14.9	15.2	15.4	15.7
66.25°	12.8	13.2	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.2
65°	13.3	13.8	14.2	14.6	14.9	15.2	15.5	15.8	16.1	16.6	17.2
63.75°	13.8	14.3	14.7	15.0	15.3	15.7	16.0	16.4	17.0	17.6	18.1
62.5°	14.3	14.7	15.1	15.4	15.8	16.1	16.7	17.3	17.9	18.5	19.1
61.25°	14.7	15.1	15.5	15.8	16.2	16.8	17.5	18.2	18.8	19.4	20.2
60°	15.1	15.5	15.8	16.2	16.9	17.6	18.3	19.0	19.8	20.6	21.4
58.75°	15.4	15.8	16.2	17.0	17.7	18.4	19.2	20.0	20.9	21.7	22.6
57.5°	15.8	16.2	16.9	17.7	18.5	19.2	20.1	21.0	21.9	22.8	23.8
56.25°	16.1	16.8	17.6	18.4	19.2	20.2	21.1	22.1	23.0	24.1	25.2
55°	16.7	17.5	18.3	19.2	20.1	21.1	22.1	23.1	24.3	25.4	26.6
53.75°	17.3	18.2	19.0	20.0	21.0	22.1	23.1	24.3	25.6	26.8	28.0
52.5°	17.9	18.8	19.8	20.9	21.9	23.0	24.3	25.6	26.8	28.1	29.5
51.25°	18.5	19.4	20.6	21.7	22.8	24.1	25.4	26.8	28.1	29.6	31.0
50°	19.1	20.2	21.4	22.6	23.8	25.2	26.6	28.0	29.5	31.0	32.6
48.75°	19.8	21.0	22.2	23.4	24.9	26.3	27.8	29.3	30.9	32.5	34.1
47.5°	20.5	21.7	23.0	24.4	25.9	27.4	29.0	30.6	32.3	33.9	35.6
46.25°	21.2	22.5	23.8	25.4	26.9	28.5	30.2	32.0	33.7	35.4	37.1
45°	21.9	23.2	24.8	26.4	28.0	29.7	31.5	33.3	35.0	36.8	38.5
43.75°	22.6	24.0	25.7	27.3	29.1	30.9	32.7	34.6	36.4	38.2	39.9
42.5°	23.2	24.9	26.6	28.3	30.2	32.1	33.9	35.8	37.7	39.6	40.9
41.25°	24.0	25.8	27.5	29.3	31.3	33.2	35.1	37.1	39.0	40.5	41.8
40°	24.8	26.6	28.3	30.4	32.3	34.3	36.3	38.3	40.1	41.4	42.8
38.75°	25.6	27.4	29.3	31.4	33.4	35.4	37.5	39.5	41.0	42.4	43.7
37.5°	26.3	28.2	30.3	32.3	34.4	36.5	38.6	40.4	41.8	43.2	44.7
36.25°	27.0	29.0	31.2	33.3	35.4	37.6	39.7	41.2	42.6	44.1	45.6
35°	27.8	29.9	32.1	34.2	36.4	38.6	40.4	42.0	43.5	45.0	46.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	28.5	30.7	32.9	35.2	37.4	39.6	41.2	42.7	44.3	45.8	47.4
32.5°	29.2	31.5	33.8	36.1	38.3	40.3	41.9	43.5	45.1	46.7	48.1
31.25°	30.0	32.3	34.6	36.9	39.2	41.0	42.6	44.2	45.8	47.5	48.8
30°	30.7	33.0	35.4	37.8	40.0	41.6	43.3	44.9	46.6	48.1	49.4
28.75°	31.4	33.8	36.2	38.6	40.6	42.2	43.9	45.6	47.3	48.7	50.0
27.5°	32.1	34.5	36.9	39.4	41.1	42.8	44.6	46.3	47.9	49.3	50.6
26.25°	32.7	35.2	37.6	40.0	41.7	43.4	45.2	46.9	48.5	49.8	51.1
25°	33.3	35.8	38.3	40.5	42.2	44.0	45.8	47.5	49.0	50.3	51.5
23.75°	33.9	36.5	39.0	41.0	42.7	44.5	46.3	48.0	49.4	50.8	51.9
22.5°	34.5	37.1	39.6	41.4	43.2	45.0	46.9	48.5	49.9	51.2	52.3
21.25°	35.0	37.6	40.0	41.9	43.7	45.5	47.4	48.9	50.3	51.6	52.6
20°	35.5	38.2	40.4	42.3	44.1	46.0	47.8	49.3	50.8	51.9	53.0
18.75°	36.0	38.7	40.8	42.7	44.6	46.5	48.2	49.7	51.1	52.2	53.3
17.5°	36.5	39.2	41.2	43.0	45.0	46.9	48.5	50.0	51.4	52.5	53.6
16.25°	36.9	39.6	41.5	43.4	45.3	47.3	48.9	50.4	51.6	52.8	53.9
15°	37.3	39.9	41.8	43.7	45.7	47.6	49.2	50.7	51.9	53.0	54.2
13.75°	37.7	40.2	42.1	44.0	46.0	47.9	49.4	51.0	52.1	53.2	54.4
12.5°	38.0	40.4	42.4	44.3	46.3	48.1	49.7	51.1	52.3	53.5	54.7
11.25°	38.3	40.6	42.6	44.6	46.6	48.4	49.9	51.3	52.5	53.7	54.9
10°	38.6	40.8	42.8	44.8	46.8	48.6	50.1	51.5	52.7	53.9	55.1
8.75°	38.8	41.0	43.0	45.0	47.0	48.7	50.3	51.6	52.8	54.0	55.2
7.5°	39.0	41.2	43.1	45.2	47.2	48.9	50.5	51.8	52.9	54.2	55.4
6.25°	39.2	41.3	43.3	45.3	47.3	49.0	50.6	51.9	53.0	54.3	55.5
5°	39.3	41.4	43.4	45.4	47.5	49.1	50.7	51.9	53.1	54.4	55.6
3.75°	39.5	41.5	43.5	45.5	47.6	49.2	50.8	52.0	53.2	54.5	55.7
2.5°	39.5	41.6	43.5	45.6	47.6	49.3	50.9	52.1	53.3	54.5	55.8
1.25°	39.6	41.6	43.6	45.6	47.7	49.3	50.9	52.1	53.3	54.5	55.8
0°	39.6	41.6	43.6	45.7	47.7	49.3	50.9	52.1	53.3	54.6	55.8
-1.25°	39.6	41.6	43.6	45.6	47.7	49.3	50.9	52.1	53.3	54.5	55.8
-2.5°	39.5	41.6	43.5	45.6	47.6	49.3	50.9	52.1	53.3	54.5	55.8
-3.75°	39.5	41.5	43.5	45.5	47.6	49.2	50.8	52.0	53.2	54.5	55.7
-5°	39.3	41.4	43.4	45.4	47.5	49.1	50.7	51.9	53.1	54.4	55.6
-6.25°	39.2	41.3	43.3	45.3	47.3	49.0	50.6	51.9	53.0	54.3	55.5
-7.5°	39.0	41.2	43.1	45.2	47.2	48.9	50.5	51.8	52.9	54.2	55.4
-8.75°	38.8	41.0	43.0	45.0	47.0	48.7	50.3	51.6	52.8	54.0	55.2
-10°	38.6	40.8	42.8	44.8	46.8	48.6	50.1	51.5	52.7	53.9	55.1
-11.25°	38.3	40.6	42.6	44.6	46.6	48.4	49.9	51.3	52.5	53.7	54.9
-12.5°	38.0	40.4	42.4	44.3	46.3	48.1	49.7	51.1	52.3	53.5	54.7
-13.75°	37.7	40.2	42.1	44.0	46.0	47.9	49.4	51.0	52.1	53.2	54.4
-15°	37.3	39.9	41.8	43.7	45.7	47.6	49.2	50.7	51.9	53.0	54.2
-16.25°	36.9	39.6	41.5	43.4	45.3	47.3	48.9	50.4	51.6	52.8	53.9
-17.5°	36.5	39.2	41.2	43.0	45.0	46.9	48.5	50.0	51.4	52.5	53.6
-18.75°	36.0	38.7	40.8	42.7	44.6	46.5	48.2	49.7	51.1	52.2	53.3
-20°	35.5	38.2	40.4	42.3	44.1	46.0	47.8	49.3	50.8	51.9	53.0
-21.25°	35.0	37.6	40.0	41.9	43.7	45.5	47.4	48.9	50.3	51.6	52.6



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	34.5	37.1	39.6	41.4	43.2	45.0	46.9	48.5	49.9	51.2	52.3
-23.75°	33.9	36.5	39.0	41.0	42.7	44.5	46.3	48.0	49.4	50.8	51.9
-25°	33.3	35.8	38.3	40.5	42.2	44.0	45.8	47.5	49.0	50.3	51.5
-26.25°	32.7	35.2	37.6	40.0	41.7	43.4	45.2	46.9	48.5	49.8	51.1
-27.5°	32.1	34.5	36.9	39.4	41.1	42.8	44.6	46.3	47.9	49.3	50.6
-28.75°	31.4	33.8	36.2	38.6	40.6	42.2	43.9	45.6	47.3	48.7	50.0
-30°	30.7	33.0	35.4	37.8	40.0	41.6	43.3	44.9	46.6	48.1	49.4
-31.25°	30.0	32.3	34.6	36.9	39.2	41.0	42.6	44.2	45.8	47.5	48.8
-32.5°	29.2	31.5	33.8	36.1	38.3	40.3	41.9	43.5	45.1	46.7	48.1
-33.75°	28.5	30.7	32.9	35.2	37.4	39.6	41.2	42.7	44.3	45.8	47.4
-35°	27.8	29.9	32.1	34.2	36.4	38.6	40.4	42.0	43.5	45.0	46.5
-36.25°	27.0	29.0	31.2	33.3	35.4	37.6	39.7	41.2	42.6	44.1	45.6
-37.5°	26.3	28.2	30.3	32.3	34.4	36.5	38.6	40.4	41.8	43.2	44.7
-38.75°	25.6	27.4	29.3	31.4	33.4	35.4	37.5	39.5	41.0	42.4	43.7
-40°	24.8	26.6	28.3	30.4	32.3	34.3	36.3	38.3	40.1	41.4	42.8
-41.25°	24.0	25.8	27.5	29.3	31.3	33.2	35.1	37.1	39.0	40.5	41.8
-42.5°	23.2	24.9	26.6	28.3	30.2	32.1	33.9	35.8	37.7	39.6	40.9
-43.75°	22.6	24.0	25.7	27.3	29.1	30.9	32.7	34.6	36.4	38.2	39.9
-45°	21.9	23.2	24.8	26.4	28.0	29.7	31.5	33.3	35.0	36.8	38.5
-46.25°	21.2	22.5	23.8	25.4	26.9	28.5	30.2	32.0	33.7	35.4	37.1
-47.5°	20.5	21.7	23.0	24.4	25.9	27.4	29.0	30.6	32.3	33.9	35.6
-48.75°	19.8	21.0	22.2	23.4	24.9	26.3	27.8	29.3	30.9	32.5	34.1
-50°	19.1	20.2	21.4	22.6	23.8	25.2	26.6	28.0	29.5	31.0	32.6
-51.25°	18.5	19.4	20.6	21.7	22.8	24.1	25.4	26.8	28.1	29.6	31.0
-52.5°	17.9	18.8	19.8	20.9	21.9	23.0	24.3	25.6	26.8	28.1	29.5
-53.75°	17.3	18.2	19.0	20.0	21.0	22.1	23.1	24.3	25.6	26.8	28.0
-55°	16.7	17.5	18.3	19.2	20.1	21.1	22.1	23.1	24.3	25.4	26.6
-56.25°	16.1	16.8	17.6	18.4	19.2	20.2	21.1	22.1	23.0	24.1	25.2
-57.5°	15.8	16.2	16.9	17.7	18.5	19.2	20.1	21.0	21.9	22.8	23.8
-58.75°	15.4	15.8	16.2	17.0	17.7	18.4	19.2	20.0	20.9	21.7	22.6
-60°	15.1	15.5	15.8	16.2	16.9	17.6	18.3	19.0	19.8	20.6	21.4
-61.25°	14.7	15.1	15.5	15.8	16.2	16.8	17.5	18.2	18.8	19.4	20.2
-62.5°	14.3	14.7	15.1	15.4	15.8	16.1	16.7	17.3	17.9	18.5	19.1
-63.75°	13.8	14.3	14.7	15.0	15.3	15.7	16.0	16.4	17.0	17.6	18.1
-65°	13.3	13.8	14.2	14.6	14.9	15.2	15.5	15.8	16.1	16.6	17.2
-66.25°	12.8	13.2	13.7	14.1	14.5	14.8	15.1	15.4	15.7	15.9	16.2
-67.5°	12.3	12.7	13.1	13.5	13.9	14.3	14.6	14.9	15.2	15.4	15.7
-68.75°	11.6	12.1	12.5	12.9	13.3	13.7	14.0	14.4	14.7	14.9	15.2
-70°	10.9	11.4	11.9	12.3	12.7	13.0	13.4	13.7	14.0	14.4	14.6
-71.25°	10.2	10.7	11.1	11.6	12.0	12.4	12.7	13.0	13.3	13.6	13.9
-72.5°	9.5	9.9	10.4	10.8	11.2	11.6	12.0	12.3	12.6	12.9	13.2
-73.75°	8.8	9.2	9.6	10.0	10.4	10.7	11.1	11.5	11.9	12.2	12.4
-75°	8.1	8.5	8.8	9.2	9.5	9.9	10.2	10.6	10.9	11.2	11.6
-76.25°	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.9	10.3	10.5
-77.5°	6.6	6.9	7.3	7.6	7.8	8.1	8.4	8.7	9.0	9.3	9.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	5.9	6.2	6.5	6.7	7.0	7.3	7.5	7.8	8.0	8.3	8.5
-80°	5.2	5.4	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5
-81.25°	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
-82.5°	3.7	3.9	4.0	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.5
-83.75°	2.9	3.1	3.2	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4
-85°	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
-86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
86.25°	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.0	3.1
85°	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4
83.75°	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7
82.5°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
81.25°	6.7	6.9	7.0	7.2	7.4	7.5	7.7	7.9	8.0	8.2	8.3
80°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6
78.75°	8.8	9.0	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.9
77.5°	9.8	10.1	10.3	10.6	10.8	11.1	11.3	11.5	11.7	12.0	12.2
76.25°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.8	12.9	13.1
75°	11.9	12.2	12.4	12.6	12.8	13.1	13.3	13.5	13.7	13.9	14.1
73.75°	12.7	13.0	13.2	13.5	13.7	13.9	14.2	14.4	14.6	14.7	14.9
72.5°	13.5	13.8	14.0	14.3	14.5	14.7	14.9	15.1	15.2	15.4	15.5
71.25°	14.2	14.5	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.0	16.2
70°	14.9	15.1	15.3	15.5	15.7	15.9	16.1	16.4	16.8	17.2	17.5
68.75°	15.4	15.6	15.9	16.1	16.4	16.8	17.2	17.6	18.0	18.4	18.8
67.5°	15.9	16.2	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.7	20.2
66.25°	16.7	17.2	17.7	18.2	18.6	19.1	19.6	20.2	20.7	21.2	21.7
65°	17.7	18.2	18.8	19.3	19.8	20.4	21.0	21.6	22.2	22.7	23.3
63.75°	18.7	19.3	19.9	20.6	21.2	21.9	22.5	23.1	23.7	24.5	25.2
62.5°	19.8	20.5	21.2	21.9	22.6	23.2	24.0	24.8	25.6	26.3	27.0
61.25°	21.0	21.7	22.5	23.2	24.0	24.9	25.8	26.6	27.4	28.2	29.0
60°	22.2	23.0	23.8	24.8	25.7	26.6	27.5	28.3	29.3	30.3	31.2
58.75°	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.4	31.4	32.3	33.3
57.5°	24.9	25.9	26.9	28.0	29.1	30.2	31.3	32.3	33.4	34.4	35.4
56.25°	26.3	27.4	28.5	29.7	30.9	32.1	33.2	34.3	35.4	36.5	37.6
55°	27.8	29.0	30.2	31.5	32.7	33.9	35.1	36.3	37.5	38.6	39.7
53.75°	29.3	30.6	32.0	33.3	34.6	35.8	37.1	38.3	39.5	40.4	41.2
52.5°	30.9	32.3	33.7	35.0	36.4	37.7	39.0	40.1	41.0	41.8	42.6
51.25°	32.5	33.9	35.4	36.8	38.2	39.6	40.5	41.4	42.4	43.2	44.1
50°	34.1	35.6	37.1	38.5	39.9	40.9	41.8	42.8	43.7	44.7	45.6
48.75°	35.7	37.2	38.7	40.1	41.1	42.1	43.1	44.2	45.1	46.1	47.1
47.5°	37.2	38.8	40.2	41.3	42.3	43.4	44.5	45.5	46.5	47.6	48.4
46.25°	38.7	40.2	41.3	42.4	43.5	44.7	45.8	46.9	47.9	48.7	49.5
45°	40.1	41.3	42.4	43.6	44.8	45.9	47.1	48.1	48.9	49.8	50.6
43.75°	41.1	42.3	43.5	44.8	46.0	47.2	48.2	49.1	50.0	50.9	51.5
42.5°	42.1	43.4	44.7	45.9	47.2	48.2	49.2	50.1	51.0	51.7	52.3
41.25°	43.1	44.5	45.8	47.1	48.2	49.2	50.2	51.1	51.8	52.5	53.1
40°	44.2	45.5	46.9	48.1	49.1	50.1	51.1	51.8	52.5	53.2	54.0
38.75°	45.1	46.5	47.9	48.9	50.0	51.0	51.8	52.5	53.3	54.0	54.8
37.5°	46.1	47.6	48.7	49.8	50.9	51.7	52.5	53.2	54.0	54.8	55.6
36.25°	47.1	48.4	49.5	50.6	51.5	52.3	53.1	54.0	54.8	55.6	56.2
35°	47.9	49.1	50.3	51.3	52.1	53.0	53.8	54.7	55.5	56.1	56.7



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	48.7	49.8	51.0	51.9	52.7	53.6	54.5	55.4	56.1	56.6	57.1
32.5°	49.3	50.6	51.5	52.4	53.3	54.2	55.2	56.0	56.5	57.1	57.5
31.25°	50.0	51.2	52.1	53.0	53.9	54.9	55.8	56.4	57.0	57.5	57.7
30°	50.7	51.7	52.6	53.6	54.5	55.5	56.2	56.8	57.4	57.7	58.0
28.75°	51.2	52.2	53.1	54.1	55.1	56.0	56.6	57.2	57.6	57.9	58.2
27.5°	51.7	52.6	53.6	54.6	55.6	56.3	57.0	57.5	57.8	58.1	58.6
26.25°	52.1	53.1	54.1	55.2	56.0	56.7	57.3	57.7	58.0	58.4	59.0
25°	52.5	53.6	54.6	55.7	56.4	57.0	57.5	57.9	58.2	58.8	59.5
23.75°	52.9	54.0	55.1	56.0	56.7	57.4	57.7	58.0	58.6	59.2	59.9
22.5°	53.3	54.4	55.5	56.3	57.0	57.5	57.9	58.2	58.9	59.6	60.4
21.25°	53.7	54.8	55.9	56.6	57.3	57.7	58.0	58.6	59.2	60.0	61.0
20°	54.1	55.2	56.1	56.9	57.5	57.8	58.2	58.9	59.6	60.5	61.5
18.75°	54.4	55.6	56.4	57.1	57.6	58.0	58.5	59.2	59.9	61.0	62.0
17.5°	54.8	55.9	56.6	57.3	57.7	58.1	58.7	59.4	60.3	61.4	62.8
16.25°	55.1	56.1	56.8	57.5	57.9	58.2	59.0	59.7	60.7	61.8	63.9
15°	55.4	56.3	57.0	57.6	58.0	58.5	59.2	60.0	61.1	62.3	64.9
13.75°	55.6	56.4	57.2	57.7	58.1	58.7	59.4	60.4	61.5	63.1	65.8
12.5°	55.8	56.6	57.4	57.8	58.2	58.9	59.6	60.7	61.8	63.9	66.6
11.25°	56.0	56.8	57.5	57.9	58.3	59.0	59.8	61.0	62.1	64.7	67.4
10°	56.1	56.9	57.5	57.9	58.4	59.2	60.1	61.2	62.6	65.3	68.4
8.75°	56.2	57.0	57.6	58.0	58.6	59.3	60.3	61.4	63.2	65.9	70.1
7.5°	56.3	57.1	57.7	58.0	58.7	59.5	60.5	61.6	63.7	66.5	71.5
6.25°	56.4	57.2	57.7	58.1	58.8	59.6	60.6	61.8	64.1	66.9	72.8
5°	56.5	57.3	57.7	58.1	58.9	59.6	60.8	62.0	64.4	67.3	73.8
3.75°	56.5	57.3	57.8	58.2	58.9	59.7	60.9	62.1	64.7	67.5	74.6
2.5°	56.6	57.4	57.8	58.2	59.0	59.8	60.9	62.1	64.9	67.7	75.1
1.25°	56.6	57.4	57.8	58.2	59.0	59.8	61.0	62.2	65.0	67.9	75.5
0°	56.6	57.4	57.8	58.2	59.0	59.8	61.0	62.2	65.1	67.9	75.6
-1.25°	56.6	57.4	57.8	58.2	59.0	59.8	61.0	62.2	65.0	67.9	75.5
-2.5°	56.6	57.4	57.8	58.2	59.0	59.8	60.9	62.1	64.9	67.7	75.1
-3.75°	56.5	57.3	57.8	58.2	58.9	59.7	60.9	62.1	64.7	67.5	74.6
-5°	56.5	57.3	57.7	58.1	58.9	59.6	60.8	62.0	64.4	67.3	73.8
-6.25°	56.4	57.2	57.7	58.1	58.8	59.6	60.6	61.8	64.1	66.9	72.8
-7.5°	56.3	57.1	57.7	58.0	58.7	59.5	60.5	61.6	63.7	66.5	71.5
-8.75°	56.2	57.0	57.6	58.0	58.6	59.3	60.3	61.4	63.2	65.9	70.1
-10°	56.1	56.9	57.5	57.9	58.4	59.2	60.1	61.2	62.6	65.3	68.4
-11.25°	56.0	56.8	57.5	57.9	58.3	59.0	59.8	61.0	62.1	64.7	67.4
-12.5°	55.8	56.6	57.4	57.8	58.2	58.9	59.6	60.7	61.8	63.9	66.6
-13.75°	55.6	56.4	57.2	57.7	58.1	58.7	59.4	60.4	61.5	63.1	65.8
-15°	55.4	56.3	57.0	57.6	58.0	58.5	59.2	60.0	61.1	62.3	64.9
-16.25°	55.1	56.1	56.8	57.5	57.9	58.2	59.0	59.7	60.7	61.8	63.9
-17.5°	54.8	55.9	56.6	57.3	57.7	58.1	58.7	59.4	60.3	61.4	62.8
-18.75°	54.4	55.6	56.4	57.1	57.6	58.0	58.5	59.2	59.9	61.0	62.0
-20°	54.1	55.2	56.1	56.9	57.5	57.8	58.2	58.9	59.6	60.5	61.5
-21.25°	53.7	54.8	55.9	56.6	57.3	57.7	58.0	58.6	59.2	60.0	61.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	53.3	54.4	55.5	56.3	57.0	57.5	57.9	58.2	58.9	59.6	60.4
-23.75°	52.9	54.0	55.1	56.0	56.7	57.4	57.7	58.0	58.6	59.2	59.9
-25°	52.5	53.6	54.6	55.7	56.4	57.0	57.5	57.9	58.2	58.8	59.5
-26.25°	52.1	53.1	54.1	55.2	56.0	56.7	57.3	57.7	58.0	58.4	59.0
-27.5°	51.7	52.6	53.6	54.6	55.6	56.3	57.0	57.5	57.8	58.1	58.6
-28.75°	51.2	52.2	53.1	54.1	55.1	56.0	56.6	57.2	57.6	57.9	58.2
-30°	50.7	51.7	52.6	53.6	54.5	55.5	56.2	56.8	57.4	57.7	58.0
-31.25°	50.0	51.2	52.1	53.0	53.9	54.9	55.8	56.4	57.0	57.5	57.7
-32.5°	49.3	50.6	51.5	52.4	53.3	54.2	55.2	56.0	56.5	57.1	57.5
-33.75°	48.7	49.8	51.0	51.9	52.7	53.6	54.5	55.4	56.1	56.6	57.1
-35°	47.9	49.1	50.3	51.3	52.1	53.0	53.8	54.7	55.5	56.1	56.7
-36.25°	47.1	48.4	49.5	50.6	51.5	52.3	53.1	54.0	54.8	55.6	56.2
-37.5°	46.1	47.6	48.7	49.8	50.9	51.7	52.5	53.2	54.0	54.8	55.6
-38.75°	45.1	46.5	47.9	48.9	50.0	51.0	51.8	52.5	53.3	54.0	54.8
-40°	44.2	45.5	46.9	48.1	49.1	50.1	51.1	51.8	52.5	53.2	54.0
-41.25°	43.1	44.5	45.8	47.1	48.2	49.2	50.2	51.1	51.8	52.5	53.1
-42.5°	42.1	43.4	44.7	45.9	47.2	48.2	49.2	50.1	51.0	51.7	52.3
-43.75°	41.1	42.3	43.5	44.8	46.0	47.2	48.2	49.1	50.0	50.9	51.5
-45°	40.1	41.3	42.4	43.6	44.8	45.9	47.1	48.1	48.9	49.8	50.6
-46.25°	38.7	40.2	41.3	42.4	43.5	44.7	45.8	46.9	47.9	48.7	49.5
-47.5°	37.2	38.8	40.2	41.3	42.3	43.4	44.5	45.5	46.5	47.6	48.4
-48.75°	35.7	37.2	38.7	40.1	41.1	42.1	43.1	44.2	45.1	46.1	47.1
-50°	34.1	35.6	37.1	38.5	39.9	40.9	41.8	42.8	43.7	44.7	45.6
-51.25°	32.5	33.9	35.4	36.8	38.2	39.6	40.5	41.4	42.4	43.2	44.1
-52.5°	30.9	32.3	33.7	35.0	36.4	37.7	39.0	40.1	41.0	41.8	42.6
-53.75°	29.3	30.6	32.0	33.3	34.6	35.8	37.1	38.3	39.5	40.4	41.2
-55°	27.8	29.0	30.2	31.5	32.7	33.9	35.1	36.3	37.5	38.6	39.7
-56.25°	26.3	27.4	28.5	29.7	30.9	32.1	33.2	34.3	35.4	36.5	37.6
-57.5°	24.9	25.9	26.9	28.0	29.1	30.2	31.3	32.3	33.4	34.4	35.4
-58.75°	23.4	24.4	25.4	26.4	27.3	28.3	29.3	30.4	31.4	32.3	33.3
-60°	22.2	23.0	23.8	24.8	25.7	26.6	27.5	28.3	29.3	30.3	31.2
-61.25°	21.0	21.7	22.5	23.2	24.0	24.9	25.8	26.6	27.4	28.2	29.0
-62.5°	19.8	20.5	21.2	21.9	22.6	23.2	24.0	24.8	25.6	26.3	27.0
-63.75°	18.7	19.3	19.9	20.6	21.2	21.9	22.5	23.1	23.7	24.5	25.2
-65°	17.7	18.2	18.8	19.3	19.8	20.4	21.0	21.6	22.2	22.7	23.3
-66.25°	16.7	17.2	17.7	18.2	18.6	19.1	19.6	20.2	20.7	21.2	21.7
-67.5°	15.9	16.2	16.6	17.1	17.5	18.0	18.4	18.8	19.2	19.7	20.2
-68.75°	15.4	15.6	15.9	16.1	16.4	16.8	17.2	17.6	18.0	18.4	18.8
-70°	14.9	15.1	15.3	15.5	15.7	15.9	16.1	16.4	16.8	17.2	17.5
-71.25°	14.2	14.5	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.0	16.2
-72.5°	13.5	13.8	14.0	14.3	14.5	14.7	14.9	15.1	15.2	15.4	15.5
-73.75°	12.7	13.0	13.2	13.5	13.7	13.9	14.2	14.4	14.6	14.7	14.9
-75°	11.9	12.2	12.4	12.6	12.8	13.1	13.3	13.5	13.7	13.9	14.1
-76.25°	10.8	11.1	11.4	11.7	12.0	12.2	12.4	12.6	12.8	12.9	13.1
-77.5°	9.8	10.1	10.3	10.6	10.8	11.1	11.3	11.5	11.7	12.0	12.2



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	8.8	9.0	9.2	9.4	9.7	9.9	10.1	10.3	10.5	10.7	10.9
-80°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6
-81.25°	6.7	6.9	7.0	7.2	7.4	7.5	7.7	7.9	8.0	8.2	8.3
-82.5°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
-83.75°	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7
-85°	3.4	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4
-86.25°	2.4	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.0	3.1
-87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
86.25°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7
85°	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.1	5.2
83.75°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7
82.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
81.25°	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6
80°	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1
78.75°	11.1	11.2	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.4	12.5
77.5°	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.4	13.5	13.6
76.25°	13.3	13.4	13.6	13.8	13.9	14.0	14.2	14.3	14.4	14.5	14.6
75°	14.3	14.4	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
73.75°	15.0	15.1	15.3	15.4	15.5	15.7	15.8	15.9	16.0	16.1	16.2
72.5°	15.7	15.8	16.0	16.1	16.3	16.6	16.8	17.0	17.2	17.4	17.6
71.25°	16.5	16.8	17.1	17.4	17.7	18.0	18.2	18.4	18.7	18.9	19.1
70°	17.8	18.1	18.5	18.8	19.1	19.3	19.7	20.0	20.3	20.6	20.9
68.75°	19.1	19.5	19.9	20.3	20.7	21.0	21.4	21.8	22.1	22.4	22.7
67.5°	20.6	21.1	21.5	22.0	22.4	22.8	23.1	23.5	24.0	24.4	24.8
66.25°	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.6	27.0
65°	23.9	24.5	25.1	25.7	26.3	26.8	27.4	27.9	28.3	28.9	29.4
63.75°	25.8	26.5	27.1	27.7	28.3	29.0	29.6	30.3	30.8	31.4	31.9
62.5°	27.8	28.5	29.2	30.0	30.7	31.4	32.1	32.7	33.3	33.9	34.5
61.25°	29.9	30.7	31.5	32.3	33.0	33.8	34.5	35.2	35.8	36.5	37.1
60°	32.1	32.9	33.8	34.6	35.4	36.2	36.9	37.6	38.3	39.0	39.6
58.75°	34.2	35.2	36.1	36.9	37.8	38.6	39.4	40.0	40.5	41.0	41.4
57.5°	36.4	37.4	38.3	39.2	40.0	40.6	41.1	41.7	42.2	42.7	43.2
56.25°	38.6	39.6	40.3	41.0	41.6	42.2	42.8	43.4	44.0	44.5	45.0
55°	40.4	41.2	41.9	42.6	43.3	43.9	44.6	45.2	45.8	46.3	46.9
53.75°	42.0	42.7	43.5	44.2	44.9	45.6	46.3	46.9	47.5	48.0	48.5
52.5°	43.5	44.3	45.1	45.8	46.6	47.3	47.9	48.5	49.0	49.4	49.9
51.25°	45.0	45.8	46.7	47.5	48.1	48.7	49.3	49.8	50.3	50.8	51.2
50°	46.5	47.4	48.1	48.8	49.4	50.0	50.6	51.1	51.5	51.9	52.3
48.75°	47.9	48.7	49.3	50.0	50.7	51.2	51.7	52.1	52.5	52.9	53.3
47.5°	49.1	49.8	50.6	51.2	51.7	52.2	52.6	53.1	53.6	54.0	54.4
46.25°	50.3	51.0	51.5	52.1	52.6	53.1	53.6	54.1	54.6	55.1	55.5
45°	51.3	51.9	52.4	53.0	53.6	54.1	54.6	55.2	55.7	56.0	56.3
43.75°	52.1	52.7	53.3	53.9	54.5	55.1	55.6	56.0	56.4	56.7	57.0
42.5°	53.0	53.6	54.2	54.9	55.5	56.0	56.3	56.7	57.0	57.4	57.5
41.25°	53.8	54.5	55.2	55.8	56.2	56.6	57.0	57.3	57.5	57.7	57.9
40°	54.7	55.4	56.0	56.4	56.8	57.2	57.5	57.7	57.9	58.0	58.2
38.75°	55.5	56.1	56.5	57.0	57.4	57.6	57.8	58.0	58.2	58.6	58.9
37.5°	56.1	56.6	57.1	57.5	57.7	57.9	58.1	58.4	58.8	59.2	59.6
36.25°	56.7	57.1	57.5	57.7	58.0	58.2	58.6	59.0	59.5	59.9	60.4
35°	57.2	57.5	57.8	58.0	58.3	58.8	59.2	59.7	60.2	60.8	61.4



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	57.5	57.8	58.0	58.4	58.9	59.4	59.8	60.5	61.1	61.8	62.6
32.5°	57.8	58.0	58.4	58.9	59.4	60.0	60.7	61.4	62.1	63.4	64.9
31.25°	58.0	58.4	58.9	59.5	60.1	60.8	61.5	62.3	64.0	65.6	67.1
30°	58.3	58.9	59.4	60.1	60.8	61.6	62.6	64.4	66.1	67.8	71.8
28.75°	58.8	59.4	60.0	60.8	61.6	62.7	64.6	66.4	68.6	73.2	77.7
27.5°	59.2	59.8	60.7	61.5	62.6	64.6	66.5	69.2	74.1	78.9	83.7
26.25°	59.7	60.5	61.4	62.3	64.4	66.4	69.2	74.4	79.4	85.5	95.0
25°	60.2	61.1	62.1	64.0	66.1	68.6	74.1	79.4	86.1	96.2	106.1
23.75°	60.8	61.8	63.4	65.6	67.8	73.2	78.9	85.5	96.2	106.7	117.5
22.5°	61.4	62.6	64.9	67.1	71.8	77.7	83.7	95.0	106.1	117.5	130.0
21.25°	62.0	64.0	66.3	69.9	76.0	82.1	92.6	104.3	116.0	129.2	142.1
20°	63.0	65.4	67.7	73.8	80.0	89.1	101.3	113.2	126.9	140.6	155.3
18.75°	64.2	66.6	71.0	77.5	84.4	97.0	109.5	123.2	137.5	152.0	171.8
17.5°	65.3	67.8	74.4	81.0	91.7	104.6	118.0	132.9	147.5	166.6	205.1
16.25°	66.4	70.8	77.5	85.3	98.6	111.8	126.8	142.1	159.8	192.4	257.8
15°	67.4	73.6	80.5	91.5	105.1	119.4	135.2	151.0	174.8	227.4	323.4
13.75°	69.3	76.3	83.4	97.3	111.1	126.9	143.0	162.4	200.9	280.6	403.4
12.5°	71.6	78.8	88.5	102.7	117.3	133.8	150.2	175.8	234.9	342.7	489.4
11.25°	73.8	81.1	93.3	107.6	123.4	140.2	159.5	197.2	278.5	408.6	573.4
10°	75.8	83.1	97.5	112.1	128.9	146.0	168.0	218.2	325.7	477.9	661.2
8.75°	77.5	86.5	101.3	116.4	133.8	151.5	181.5	252.1	377.0	543.5	740.7
7.5°	79.0	89.7	104.6	120.6	138.1	157.8	196.0	281.9	422.1	604.8	817.8
6.25°	80.3	92.4	107.5	124.1	141.8	163.2	208.5	309.9	468.2	661.8	885.1
5°	81.4	94.7	109.8	127.0	144.8	167.7	222.3	340.3	507.1	709.1	940.9
3.75°	82.2	96.4	111.6	129.2	147.2	171.8	237.9	364.0	537.5	746.2	986.8
2.5°	82.8	97.6	113.0	130.8	148.9	177.3	249.2	381.1	559.5	775.4	1020.0
1.25°	83.2	98.4	113.7	131.8	150.0	180.6	256.0	391.4	572.7	793.4	1040.0
0°	83.3	98.7	114.0	132.2	150.3	181.7	258.3	394.9	577.1	799.4	1046.8
-1.25°	83.2	98.4	113.7	131.8	150.0	180.6	256.0	391.4	572.7	793.4	1040.0
-2.5°	82.8	97.6	113.0	130.8	148.9	177.3	249.2	381.1	559.5	775.4	1020.0
-3.75°	82.2	96.4	111.6	129.2	147.2	171.8	237.9	364.0	537.5	746.2	986.8
-5°	81.4	94.7	109.8	127.0	144.8	167.7	222.3	340.3	507.1	709.1	940.9
-6.25°	80.3	92.4	107.5	124.1	141.8	163.2	208.5	309.9	468.2	661.8	885.1
-7.5°	79.0	89.7	104.6	120.6	138.1	157.8	196.0	281.9	422.1	604.8	817.8
-8.75°	77.5	86.5	101.3	116.4	133.8	151.5	181.5	252.1	377.0	543.5	740.7
-10°	75.8	83.1	97.5	112.1	128.9	146.0	168.0	218.2	325.7	477.9	661.2
-11.25°	73.8	81.1	93.3	107.6	123.4	140.2	159.5	197.2	278.5	408.6	573.4
-12.5°	71.6	78.8	88.5	102.7	117.3	133.8	150.2	175.8	234.9	342.7	489.4
-13.75°	69.3	76.3	83.4	97.3	111.1	126.9	143.0	162.4	200.9	280.6	403.4
-15°	67.4	73.6	80.5	91.5	105.1	119.4	135.2	151.0	174.8	227.4	323.4
-16.25°	66.4	70.8	77.5	85.3	98.6	111.8	126.8	142.1	159.8	192.4	257.8
-17.5°	65.3	67.8	74.4	81.0	91.7	104.6	118.0	132.9	147.5	166.6	205.1
-18.75°	64.2	66.6	71.0	77.5	84.4	97.0	109.5	123.2	137.5	152.0	171.8
-20°	63.0	65.4	67.7	73.8	80.0	89.1	101.3	113.2	126.9	140.6	155.3
-21.25°	62.0	64.0	66.3	69.9	76.0	82.1	92.6	104.3	116.0	129.2	142.1



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	61.4	62.6	64.9	67.1	71.8	77.7	83.7	95.0	106.1	117.5	130.0
-23.75°	60.8	61.8	63.4	65.6	67.8	73.2	78.9	85.5	96.2	106.7	117.5
-25°	60.2	61.1	62.1	64.0	66.1	68.6	74.1	79.4	86.1	96.2	106.1
-26.25°	59.7	60.5	61.4	62.3	64.4	66.4	69.2	74.4	79.4	85.5	95.0
-27.5°	59.2	59.8	60.7	61.5	62.6	64.6	66.5	69.2	74.1	78.9	83.7
-28.75°	58.8	59.4	60.0	60.8	61.6	62.7	64.6	66.4	68.6	73.2	77.7
-30°	58.3	58.9	59.4	60.1	60.8	61.6	62.6	64.4	66.1	67.8	71.8
-31.25°	58.0	58.4	58.9	59.5	60.1	60.8	61.5	62.3	64.0	65.6	67.1
-32.5°	57.8	58.0	58.4	58.9	59.4	60.0	60.7	61.4	62.1	63.4	64.9
-33.75°	57.5	57.8	58.0	58.4	58.9	59.4	59.8	60.5	61.1	61.8	62.6
-35°	57.2	57.5	57.8	58.0	58.3	58.8	59.2	59.7	60.2	60.8	61.4
-36.25°	56.7	57.1	57.5	57.7	58.0	58.2	58.6	59.0	59.5	59.9	60.4
-37.5°	56.1	56.6	57.1	57.5	57.7	57.9	58.1	58.4	58.8	59.2	59.6
-38.75°	55.5	56.1	56.5	57.0	57.4	57.6	57.8	58.0	58.2	58.6	58.9
-40°	54.7	55.4	56.0	56.4	56.8	57.2	57.5	57.7	57.9	58.0	58.2
-41.25°	53.8	54.5	55.2	55.8	56.2	56.6	57.0	57.3	57.5	57.7	57.9
-42.5°	53.0	53.6	54.2	54.9	55.5	56.0	56.3	56.7	57.0	57.4	57.5
-43.75°	52.1	52.7	53.3	53.9	54.5	55.1	55.6	56.0	56.4	56.7	57.0
-45°	51.3	51.9	52.4	53.0	53.6	54.1	54.6	55.2	55.7	56.0	56.3
-46.25°	50.3	51.0	51.5	52.1	52.6	53.1	53.6	54.1	54.6	55.1	55.5
-47.5°	49.1	49.8	50.6	51.2	51.7	52.2	52.6	53.1	53.6	54.0	54.4
-48.75°	47.9	48.7	49.3	50.0	50.7	51.2	51.7	52.1	52.5	52.9	53.3
-50°	46.5	47.4	48.1	48.8	49.4	50.0	50.6	51.1	51.5	51.9	52.3
-51.25°	45.0	45.8	46.7	47.5	48.1	48.7	49.3	49.8	50.3	50.8	51.2
-52.5°	43.5	44.3	45.1	45.8	46.6	47.3	47.9	48.5	49.0	49.4	49.9
-53.75°	42.0	42.7	43.5	44.2	44.9	45.6	46.3	46.9	47.5	48.0	48.5
-55°	40.4	41.2	41.9	42.6	43.3	43.9	44.6	45.2	45.8	46.3	46.9
-56.25°	38.6	39.6	40.3	41.0	41.6	42.2	42.8	43.4	44.0	44.5	45.0
-57.5°	36.4	37.4	38.3	39.2	40.0	40.6	41.1	41.7	42.2	42.7	43.2
-58.75°	34.2	35.2	36.1	36.9	37.8	38.6	39.4	40.0	40.5	41.0	41.4
-60°	32.1	32.9	33.8	34.6	35.4	36.2	36.9	37.6	38.3	39.0	39.6
-61.25°	29.9	30.7	31.5	32.3	33.0	33.8	34.5	35.2	35.8	36.5	37.1
-62.5°	27.8	28.5	29.2	30.0	30.7	31.4	32.1	32.7	33.3	33.9	34.5
-63.75°	25.8	26.5	27.1	27.7	28.3	29.0	29.6	30.3	30.8	31.4	31.9
-65°	23.9	24.5	25.1	25.7	26.3	26.8	27.4	27.9	28.3	28.9	29.4
-66.25°	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.6	27.0
-67.5°	20.6	21.1	21.5	22.0	22.4	22.8	23.1	23.5	24.0	24.4	24.8
-68.75°	19.1	19.5	19.9	20.3	20.7	21.0	21.4	21.8	22.1	22.4	22.7
-70°	17.8	18.1	18.5	18.8	19.1	19.3	19.7	20.0	20.3	20.6	20.9
-71.25°	16.5	16.8	17.1	17.4	17.7	18.0	18.2	18.4	18.7	18.9	19.1
-72.5°	15.7	15.8	16.0	16.1	16.3	16.6	16.8	17.0	17.2	17.4	17.6
-73.75°	15.0	15.1	15.3	15.4	15.5	15.7	15.8	15.9	16.0	16.1	16.2
-75°	14.3	14.4	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
-76.25°	13.3	13.4	13.6	13.8	13.9	14.0	14.2	14.3	14.4	14.5	14.6
-77.5°	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.4	13.5	13.6



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	11.1	11.2	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.4	12.5
-80°	9.8	9.9	10.1	10.2	10.4	10.5	10.6	10.8	10.9	11.0	11.1
-81.25°	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6
-82.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
-83.75°	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.7
-85°	4.5	4.6	4.7	4.7	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-86.25°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7
-87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
86.25°	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0
85°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6
83.75°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2
82.5°	8.2	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
81.25°	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4
80°	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.8	11.9	11.9	11.9
78.75°	12.6	12.6	12.7	12.8	12.9	12.9	13.0	13.0	13.1	13.1	13.2
77.5°	13.7	13.8	13.9	13.9	14.0	14.1	14.2	14.2	14.3	14.3	14.4
76.25°	14.7	14.8	14.8	14.9	15.0	15.0	15.1	15.1	15.2	15.2	15.2
75°	15.5	15.6	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.0	16.1
73.75°	16.4	16.5	16.7	16.8	16.9	17.1	17.2	17.3	17.4	17.5	17.6
72.5°	17.8	18.0	18.2	18.3	18.5	18.6	18.7	18.9	19.0	19.0	19.1
71.25°	19.3	19.5	19.8	20.0	20.2	20.3	20.5	20.7	20.8	20.9	21.0
70°	21.1	21.4	21.6	21.9	22.1	22.3	22.4	22.6	22.8	22.9	23.0
68.75°	23.0	23.3	23.5	23.8	24.1	24.4	24.6	24.8	25.0	25.2	25.3
67.5°	25.2	25.5	25.8	26.2	26.4	26.7	27.0	27.2	27.4	27.6	27.8
66.25°	27.4	27.8	28.1	28.5	28.9	29.2	29.5	29.8	30.0	30.2	30.4
65°	29.9	30.3	30.7	31.1	31.5	31.9	32.2	32.5	32.8	33.0	33.2
63.75°	32.4	32.9	33.4	33.8	34.2	34.6	34.9	35.2	35.5	35.8	36.0
62.5°	35.0	35.5	36.0	36.5	36.9	37.3	37.7	38.0	38.3	38.6	38.8
61.25°	37.6	38.2	38.7	39.2	39.6	39.9	40.2	40.4	40.6	40.8	41.0
60°	40.0	40.4	40.8	41.2	41.5	41.8	42.1	42.4	42.6	42.8	43.0
58.75°	41.9	42.3	42.7	43.0	43.4	43.7	44.0	44.3	44.6	44.8	45.0
57.5°	43.7	44.1	44.6	45.0	45.3	45.7	46.0	46.3	46.6	46.8	47.0
56.25°	45.5	46.0	46.5	46.9	47.3	47.6	47.9	48.1	48.4	48.6	48.7
55°	47.4	47.8	48.2	48.5	48.9	49.2	49.4	49.7	49.9	50.1	50.3
53.75°	48.9	49.3	49.7	50.0	50.4	50.7	51.0	51.1	51.3	51.5	51.6
52.5°	50.3	50.8	51.1	51.4	51.6	51.9	52.1	52.3	52.5	52.7	52.8
51.25°	51.6	51.9	52.2	52.5	52.8	53.0	53.2	53.5	53.7	53.9	54.0
50°	52.6	53.0	53.3	53.6	53.9	54.2	54.4	54.7	54.9	55.1	55.2
48.75°	53.7	54.1	54.4	54.8	55.1	55.4	55.6	55.8	56.0	56.1	56.2
47.5°	54.8	55.2	55.6	55.9	56.1	56.3	56.4	56.6	56.8	56.9	57.0
46.25°	55.9	56.1	56.4	56.6	56.8	57.0	57.2	57.4	57.5	57.5	57.6
45°	56.6	56.9	57.1	57.3	57.5	57.6	57.7	57.8	57.9	57.9	58.0
43.75°	57.3	57.5	57.6	57.7	57.9	58.0	58.1	58.2	58.3	58.4	58.6
42.5°	57.7	57.8	58.0	58.1	58.2	58.5	58.7	58.9	59.0	59.2	59.3
41.25°	58.0	58.2	58.5	58.7	59.0	59.2	59.4	59.6	59.8	60.1	60.3
40°	58.6	58.9	59.2	59.4	59.7	60.0	60.4	60.7	61.0	61.2	61.4
38.75°	59.2	59.6	59.9	60.3	60.7	61.1	61.5	61.8	62.1	62.6	63.2
37.5°	60.0	60.5	61.0	61.4	61.8	62.3	63.1	63.9	64.7	65.3	65.9
36.25°	61.0	61.5	62.0	62.8	63.9	64.9	65.8	66.6	67.4	68.4	70.1
35°	62.0	63.0	64.2	65.3	66.4	67.4	69.3	71.6	73.8	75.8	77.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	64.0	65.4	66.6	67.8	70.8	73.6	76.3	78.8	81.1	83.1	86.5
32.5°	66.3	67.7	71.0	74.4	77.5	80.5	83.4	88.5	93.3	97.5	101.3
31.25°	69.9	73.8	77.5	81.0	85.3	91.5	97.3	102.7	107.6	112.1	116.4
30°	76.0	80.0	84.4	91.7	98.6	105.1	111.1	117.3	123.4	128.9	133.8
28.75°	82.1	89.1	97.0	104.6	111.8	119.4	126.9	133.8	140.2	146.0	151.5
27.5°	92.6	101.3	109.5	118.0	126.8	135.2	143.0	150.2	159.5	168.0	181.5
26.25°	104.3	113.2	123.2	132.9	142.1	151.0	162.4	175.8	197.2	218.2	252.1
25°	116.0	126.9	137.5	147.5	159.8	174.8	200.9	234.9	278.5	325.7	377.0
23.75°	129.2	140.6	152.0	166.6	192.4	227.4	280.6	342.7	408.6	477.9	543.5
22.5°	142.1	155.3	171.8	205.1	257.8	323.4	403.4	489.4	573.4	661.2	740.7
21.25°	156.4	176.8	212.8	278.3	361.2	454.9	556.5	662.9	766.1	869.9	964.5
20°	176.8	215.8	288.6	384.1	492.8	609.4	731.8	857.9	978.8	1093.9	1196.7
18.75°	212.8	288.6	391.7	512.0	643.4	781.6	924.7	1065.2	1196.0	1314.7	1417.0
17.5°	278.3	384.1	512.0	654.8	807.8	966.3	1123.8	1269.6	1401.5	1518.2	1629.2
16.25°	361.2	492.8	643.4	807.8	980.6	1153.3	1314.4	1458.9	1595.4	1725.5	1848.2
15°	454.9	609.4	781.6	966.3	1153.3	1329.5	1488.0	1643.0	1793.4	1936.1	2069.4
13.75°	556.5	731.8	924.7	1123.8	1314.4	1488.0	1659.0	1827.8	1990.9	2144.9	2282.6
12.5°	662.9	857.9	1065.2	1269.6	1458.9	1643.0	1827.8	2009.4	2182.3	2340.8	2480.7
11.25°	766.1	978.8	1196.0	1401.5	1595.4	1793.4	1990.9	2182.3	2359.6	2520.3	2660.5
10°	869.9	1093.9	1314.7	1518.2	1725.5	1936.1	2144.9	2340.8	2520.3	2680.2	2821.3
8.75°	964.5	1196.7	1417.0	1629.2	1848.2	2069.4	2282.6	2480.7	2660.5	2821.3	2965.8
7.5°	1051.5	1286.6	1505.9	1728.8	1958.5	2187.3	2403.2	2602.3	2782.4	2945.9	3092.3
6.25°	1126.4	1363.1	1585.5	1818.1	2055.9	2288.6	2507.1	2706.7	2887.4	3053.2	3201.7
5°	1187.6	1423.3	1653.0	1892.7	2137.6	2371.9	2590.3	2790.0	2974.0	3141.0	3294.9
3.75°	1235.5	1470.7	1706.3	1952.3	2200.5	2436.6	2656.0	2857.0	3042.3	3210.8	3367.7
2.5°	1270.0	1505.0	1745.5	1996.0	2246.1	2483.7	2703.8	2904.1	3090.0	3262.0	3421.9
1.25°	1290.8	1525.7	1769.6	2022.5	2273.8	2512.4	2731.1	2932.7	3119.3	3293.7	3453.0
0°	1297.8	1532.6	1777.7	2031.4	2283.1	2522.0	2740.2	2942.3	3129.2	3304.4	3463.1
-1.25°	1290.8	1525.7	1769.6	2022.5	2273.8	2512.4	2731.1	2932.7	3119.3	3293.7	3453.0
-2.5°	1270.0	1505.0	1745.5	1996.0	2246.1	2483.7	2703.8	2904.1	3090.0	3262.0	3421.9
-3.75°	1235.5	1470.7	1706.3	1952.3	2200.5	2436.6	2656.0	2857.0	3042.3	3210.8	3367.7
-5°	1187.6	1423.3	1653.0	1892.7	2137.6	2371.9	2590.3	2790.0	2974.0	3141.0	3294.9
-6.25°	1126.4	1363.1	1585.5	1818.1	2055.9	2288.6	2507.1	2706.7	2887.4	3053.2	3201.7
-7.5°	1051.5	1286.6	1505.9	1728.8	1958.5	2187.3	2403.2	2602.3	2782.4	2945.9	3092.3
-8.75°	964.5	1196.7	1417.0	1629.2	1848.2	2069.4	2282.6	2480.7	2660.5	2821.3	2965.8
-10°	869.9	1093.9	1314.7	1518.2	1725.5	1936.1	2144.9	2340.8	2520.3	2680.2	2821.3
-11.25°	766.1	978.8	1196.0	1401.5	1595.4	1793.4	1990.9	2182.3	2359.6	2520.3	2660.5
-12.5°	662.9	857.9	1065.2	1269.6	1458.9	1643.0	1827.8	2009.4	2182.3	2340.8	2480.7
-13.75°	556.5	731.8	924.7	1123.8	1314.4	1488.0	1659.0	1827.8	1990.9	2144.9	2282.6
-15°	454.9	609.4	781.6	966.3	1153.3	1329.5	1488.0	1643.0	1793.4	1936.1	2069.4
-16.25°	361.2	492.8	643.4	807.8	980.6	1153.3	1314.4	1458.9	1595.4	1725.5	1848.2
-17.5°	278.3	384.1	512.0	654.8	807.8	966.3	1123.8	1269.6	1401.5	1518.2	1629.2
-18.75°	212.8	288.6	391.7	512.0	643.4	781.6	924.7	1065.2	1196.0	1314.7	1417.0
-20°	176.8	215.8	288.6	384.1	492.8	609.4	731.8	857.9	978.8	1093.9	1196.7
-21.25°	156.4	176.8	212.8	278.3	361.2	454.9	556.5	662.9	766.1	869.9	964.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	142.1	155.3	171.8	205.1	257.8	323.4	403.4	489.4	573.4	661.2	740.7
-23.75°	129.2	140.6	152.0	166.6	192.4	227.4	280.6	342.7	408.6	477.9	543.5
-25°	116.0	126.9	137.5	147.5	159.8	174.8	200.9	234.9	278.5	325.7	377.0
-26.25°	104.3	113.2	123.2	132.9	142.1	151.0	162.4	175.8	197.2	218.2	252.1
-27.5°	92.6	101.3	109.5	118.0	126.8	135.2	143.0	150.2	159.5	168.0	181.5
-28.75°	82.1	89.1	97.0	104.6	111.8	119.4	126.9	133.8	140.2	146.0	151.5
-30°	76.0	80.0	84.4	91.7	98.6	105.1	111.1	117.3	123.4	128.9	133.8
-31.25°	69.9	73.8	77.5	81.0	85.3	91.5	97.3	102.7	107.6	112.1	116.4
-32.5°	66.3	67.7	71.0	74.4	77.5	80.5	83.4	88.5	93.3	97.5	101.3
-33.75°	64.0	65.4	66.6	67.8	70.8	73.6	76.3	78.8	81.1	83.1	86.5
-35°	62.0	63.0	64.2	65.3	66.4	67.4	69.3	71.6	73.8	75.8	77.5
-36.25°	61.0	61.5	62.0	62.8	63.9	64.9	65.8	66.6	67.4	68.4	70.1
-37.5°	60.0	60.5	61.0	61.4	61.8	62.3	63.1	63.9	64.7	65.3	65.9
-38.75°	59.2	59.6	59.9	60.3	60.7	61.1	61.5	61.8	62.1	62.6	63.2
-40°	58.6	58.9	59.2	59.4	59.7	60.0	60.4	60.7	61.0	61.2	61.4
-41.25°	58.0	58.2	58.5	58.7	59.0	59.2	59.4	59.6	59.8	60.1	60.3
-42.5°	57.7	57.8	58.0	58.1	58.2	58.5	58.7	58.9	59.0	59.2	59.3
-43.75°	57.3	57.5	57.6	57.7	57.9	58.0	58.1	58.2	58.3	58.4	58.6
-45°	56.6	56.9	57.1	57.3	57.5	57.6	57.7	57.8	57.9	57.9	58.0
-46.25°	55.9	56.1	56.4	56.6	56.8	57.0	57.2	57.4	57.5	57.5	57.6
-47.5°	54.8	55.2	55.6	55.9	56.1	56.3	56.4	56.6	56.8	56.9	57.0
-48.75°	53.7	54.1	54.4	54.8	55.1	55.4	55.6	55.8	56.0	56.1	56.2
-50°	52.6	53.0	53.3	53.6	53.9	54.2	54.4	54.7	54.9	55.1	55.2
-51.25°	51.6	51.9	52.2	52.5	52.8	53.0	53.2	53.5	53.7	53.9	54.0
-52.5°	50.3	50.8	51.1	51.4	51.6	51.9	52.1	52.3	52.5	52.7	52.8
-53.75°	48.9	49.3	49.7	50.0	50.4	50.7	51.0	51.1	51.3	51.5	51.6
-55°	47.4	47.8	48.2	48.5	48.9	49.2	49.4	49.7	49.9	50.1	50.3
-56.25°	45.5	46.0	46.5	46.9	47.3	47.6	47.9	48.1	48.4	48.6	48.7
-57.5°	43.7	44.1	44.6	45.0	45.3	45.7	46.0	46.3	46.6	46.8	47.0
-58.75°	41.9	42.3	42.7	43.0	43.4	43.7	44.0	44.3	44.6	44.8	45.0
-60°	40.0	40.4	40.8	41.2	41.5	41.8	42.1	42.4	42.6	42.8	43.0
-61.25°	37.6	38.2	38.7	39.2	39.6	39.9	40.2	40.4	40.6	40.8	41.0
-62.5°	35.0	35.5	36.0	36.5	36.9	37.3	37.7	38.0	38.3	38.6	38.8
-63.75°	32.4	32.9	33.4	33.8	34.2	34.6	34.9	35.2	35.5	35.8	36.0
-65°	29.9	30.3	30.7	31.1	31.5	31.9	32.2	32.5	32.8	33.0	33.2
-66.25°	27.4	27.8	28.1	28.5	28.9	29.2	29.5	29.8	30.0	30.2	30.4
-67.5°	25.2	25.5	25.8	26.2	26.4	26.7	27.0	27.2	27.4	27.6	27.8
-68.75°	23.0	23.3	23.5	23.8	24.1	24.4	24.6	24.8	25.0	25.2	25.3
-70°	21.1	21.4	21.6	21.9	22.1	22.3	22.4	22.6	22.8	22.9	23.0
-71.25°	19.3	19.5	19.8	20.0	20.2	20.3	20.5	20.7	20.8	20.9	21.0
-72.5°	17.8	18.0	18.2	18.3	18.5	18.6	18.7	18.9	19.0	19.0	19.1
-73.75°	16.4	16.5	16.7	16.8	16.9	17.1	17.2	17.3	17.4	17.5	17.6
-75°	15.5	15.6	15.6	15.7	15.8	15.8	15.9	16.0	16.0	16.0	16.1
-76.25°	14.7	14.8	14.8	14.9	15.0	15.0	15.1	15.1	15.2	15.2	15.2
-77.5°	13.7	13.8	13.9	13.9	14.0	14.1	14.2	14.2	14.3	14.3	14.4



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	12.6	12.6	12.7	12.8	12.9	12.9	13.0	13.0	13.1	13.1	13.2
-80°	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.8	11.9	11.9	11.9
-81.25°	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3	10.3	10.4
-82.5°	8.2	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8	8.8
-83.75°	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2
-85°	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6
-86.25°	3.7	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0
-87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
86.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0
85°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
83.75°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
82.5°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
81.25°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
80°	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
78.75°	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
77.5°	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
76.25°	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.3	15.3	15.3	15.3
75°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
73.75°	17.6	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.7
72.5°	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
71.25°	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3
70°	23.1	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
68.75°	25.5	25.6	25.7	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.7
67.5°	27.9	28.0	28.1	28.2	28.3	28.3	28.3	28.3	28.3	28.2	28.1
66.25°	30.6	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.0	31.0	30.9
65°	33.4	33.5	33.7	33.8	33.8	33.9	33.9	33.9	33.8	33.8	33.7
63.75°	36.2	36.4	36.5	36.6	36.7	36.7	36.8	36.7	36.7	36.6	36.5
62.5°	39.0	39.2	39.3	39.5	39.5	39.6	39.6	39.6	39.5	39.5	39.3
61.25°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
60°	43.1	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.5	43.5	43.4
58.75°	45.2	45.3	45.4	45.5	45.6	45.6	45.7	45.6	45.6	45.5	45.4
57.5°	47.2	47.3	47.5	47.6	47.6	47.7	47.7	47.7	47.6	47.6	47.5
56.25°	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.2	49.1
55°	50.5	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.8	50.7
53.75°	51.8	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.0	51.9
52.5°	52.9	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.2	53.1
51.25°	54.2	54.3	54.4	54.5	54.5	54.5	54.6	54.5	54.5	54.5	54.4
50°	55.4	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.6
48.75°	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.5	56.5
47.5°	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.3	57.3
46.25°	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.7
45°	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.1
43.75°	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	58.9	58.9
42.5°	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.7	59.6
41.25°	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	60.9	60.9	60.8
40°	61.6	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.1	62.1	62.0
38.75°	63.7	64.1	64.4	64.7	64.9	65.0	65.1	65.0	64.9	64.7	64.4
37.5°	66.5	66.9	67.3	67.5	67.7	67.9	67.9	67.9	67.7	67.5	67.3
36.25°	71.5	72.8	73.8	74.6	75.1	75.5	75.6	75.5	75.1	74.6	73.8
35°	79.0	80.3	81.4	82.2	82.8	83.2	83.3	83.2	82.8	82.2	81.4



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	89.7	92.4	94.7	96.4	97.6	98.4	98.7	98.4	97.6	96.4	94.7
32.5°	104.6	107.5	109.8	111.6	113.0	113.7	114.0	113.7	113.0	111.6	109.8
31.25°	120.6	124.1	127.0	129.2	130.8	131.8	132.2	131.8	130.8	129.2	127.0
30°	138.1	141.8	144.8	147.2	148.9	150.0	150.3	150.0	148.9	147.2	144.8
28.75°	157.8	163.2	167.7	171.8	177.3	180.6	181.7	180.6	177.3	171.8	167.7
27.5°	196.0	208.5	222.3	237.9	249.2	256.0	258.3	256.0	249.2	237.9	222.3
26.25°	281.9	309.9	340.3	364.0	381.1	391.4	394.9	391.4	381.1	364.0	340.3
25°	422.1	468.2	507.1	537.5	559.5	572.7	577.1	572.7	559.5	537.5	507.1
23.75°	604.8	661.8	709.1	746.2	775.4	793.4	799.4	793.4	775.4	746.2	709.1
22.5°	817.8	885.1	940.9	986.8	1020.0	1040.0	1046.8	1040.0	1020.0	986.8	940.9
21.25°	1051.5	1126.4	1187.6	1235.5	1270.0	1290.8	1297.8	1290.8	1270.0	1235.5	1187.6
20°	1286.6	1363.1	1423.3	1470.7	1505.0	1525.7	1532.6	1525.7	1505.0	1470.7	1423.3
18.75°	1505.9	1585.5	1653.0	1706.3	1745.5	1769.6	1777.7	1769.6	1745.5	1706.3	1653.0
17.5°	1728.8	1818.1	1892.7	1952.3	1996.0	2022.5	2031.4	2022.5	1996.0	1952.3	1892.7
16.25°	1958.5	2055.9	2137.6	2200.5	2246.1	2273.8	2283.1	2273.8	2246.1	2200.5	2137.6
15°	2187.3	2288.6	2371.9	2436.6	2483.7	2512.4	2522.0	2512.4	2483.7	2436.6	2371.9
13.75°	2403.2	2507.1	2590.3	2656.0	2703.8	2731.1	2740.2	2731.1	2703.8	2656.0	2590.3
12.5°	2602.3	2706.7	2790.0	2857.0	2904.1	2932.7	2942.3	2932.7	2904.1	2857.0	2790.0
11.25°	2782.4	2887.4	2974.0	3042.3	3090.0	3119.3	3129.2	3119.3	3090.0	3042.3	2974.0
10°	2945.9	3053.2	3141.0	3210.8	3262.0	3293.7	3304.4	3293.7	3262.0	3210.8	3141.0
8.75°	3092.3	3201.7	3294.9	3367.7	3421.9	3453.0	3463.1	3453.0	3421.9	3367.7	3294.9
7.5°	3222.2	3336.8	3433.8	3505.2	3558.3	3588.7	3599.1	3588.7	3558.3	3505.2	3433.8
6.25°	3336.8	3454.0	3548.7	3620.8	3671.0	3699.2	3709.0	3699.2	3671.0	3620.8	3548.7
5°	3433.8	3548.7	3642.9	3709.2	3753.7	3780.1	3789.4	3780.1	3753.7	3709.2	3642.9
3.75°	3505.2	3620.8	3709.2	3771.1	3811.8	3836.0	3841.4	3836.0	3811.8	3771.1	3709.2
2.5°	3558.3	3671.0	3753.7	3811.8	3847.1	3863.7	3867.1	3863.7	3847.1	3811.8	3753.7
1.25°	3588.7	3699.2	3780.1	3836.0	3863.7	3875.5	3881.8	3875.5	3863.7	3836.0	3780.1
0°	3599.1	3709.0	3789.4	3841.4	3867.1	3881.8	3896.1	3881.8	3867.1	3841.4	3789.4
-1.25°	3588.7	3699.2	3780.1	3836.0	3863.7	3875.5	3881.8	3875.5	3863.7	3836.0	3780.1
-2.5°	3558.3	3671.0	3753.7	3811.8	3847.1	3863.7	3867.1	3863.7	3847.1	3811.8	3753.7
-3.75°	3505.2	3620.8	3709.2	3771.1	3811.8	3836.0	3841.4	3836.0	3811.8	3771.1	3709.2
-5°	3433.8	3548.7	3642.9	3709.2	3753.7	3780.1	3789.4	3780.1	3753.7	3709.2	3642.9
-6.25°	3336.8	3454.0	3548.7	3620.8	3671.0	3699.2	3709.0	3699.2	3671.0	3620.8	3548.7
-7.5°	3222.2	3336.8	3433.8	3505.2	3558.3	3588.7	3599.1	3588.7	3558.3	3505.2	3433.8
-8.75°	3092.3	3201.7	3294.9	3367.7	3421.9	3453.0	3463.1	3453.0	3421.9	3367.7	3294.9
-10°	2945.9	3053.2	3141.0	3210.8	3262.0	3293.7	3304.4	3293.7	3262.0	3210.8	3141.0
-11.25°	2782.4	2887.4	2974.0	3042.3	3090.0	3119.3	3129.2	3119.3	3090.0	3042.3	2974.0
-12.5°	2602.3	2706.7	2790.0	2857.0	2904.1	2932.7	2942.3	2932.7	2904.1	2857.0	2790.0
-13.75°	2403.2	2507.1	2590.3	2656.0	2703.8	2731.1	2740.2	2731.1	2703.8	2656.0	2590.3
-15°	2187.3	2288.6	2371.9	2436.6	2483.7	2512.4	2522.0	2512.4	2483.7	2436.6	2371.9
-16.25°	1958.5	2055.9	2137.6	2200.5	2246.1	2273.8	2283.1	2273.8	2246.1	2200.5	2137.6
-17.5°	1728.8	1818.1	1892.7	1952.3	1996.0	2022.5	2031.4	2022.5	1996.0	1952.3	1892.7
-18.75°	1505.9	1585.5	1653.0	1706.3	1745.5	1769.6	1777.7	1769.6	1745.5	1706.3	1653.0
-20°	1286.6	1363.1	1423.3	1470.7	1505.0	1525.7	1532.6	1525.7	1505.0	1470.7	1423.3
-21.25°	1051.5	1126.4	1187.6	1235.5	1270.0	1290.8	1297.8	1290.8	1270.0	1235.5	1187.6



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	817.8	885.1	940.9	986.8	1020.0	1040.0	1046.8	1040.0	1020.0	986.8	940.9
-23.75°	604.8	661.8	709.1	746.2	775.4	793.4	799.4	793.4	775.4	746.2	709.1
-25°	422.1	468.2	507.1	537.5	559.5	572.7	577.1	572.7	559.5	537.5	507.1
-26.25°	281.9	309.9	340.3	364.0	381.1	391.4	394.9	391.4	381.1	364.0	340.3
-27.5°	196.0	208.5	222.3	237.9	249.2	256.0	258.3	256.0	249.2	237.9	222.3
-28.75°	157.8	163.2	167.7	171.8	177.3	180.6	181.7	180.6	177.3	171.8	167.7
-30°	138.1	141.8	144.8	147.2	148.9	150.0	150.3	150.0	148.9	147.2	144.8
-31.25°	120.6	124.1	127.0	129.2	130.8	131.8	132.2	131.8	130.8	129.2	127.0
-32.5°	104.6	107.5	109.8	111.6	113.0	113.7	114.0	113.7	113.0	111.6	109.8
-33.75°	89.7	92.4	94.7	96.4	97.6	98.4	98.7	98.4	97.6	96.4	94.7
-35°	79.0	80.3	81.4	82.2	82.8	83.2	83.3	83.2	82.8	82.2	81.4
-36.25°	71.5	72.8	73.8	74.6	75.1	75.5	75.6	75.5	75.1	74.6	73.8
-37.5°	66.5	66.9	67.3	67.5	67.7	67.9	67.9	67.9	67.7	67.5	67.3
-38.75°	63.7	64.1	64.4	64.7	64.9	65.0	65.1	65.0	64.9	64.7	64.4
-40°	61.6	61.8	62.0	62.1	62.1	62.2	62.2	62.2	62.1	62.1	62.0
-41.25°	60.5	60.6	60.8	60.9	60.9	61.0	61.0	61.0	60.9	60.9	60.8
-42.5°	59.5	59.6	59.6	59.7	59.8	59.8	59.8	59.8	59.8	59.7	59.6
-43.75°	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	58.9	58.9
-45°	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.1
-46.25°	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.7
-47.5°	57.1	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.3	57.3
-48.75°	56.3	56.4	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.5	56.5
-50°	55.4	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.6
-51.25°	54.2	54.3	54.4	54.5	54.5	54.5	54.6	54.5	54.5	54.5	54.4
-52.5°	52.9	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.2	53.1
-53.75°	51.8	51.9	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.0	51.9
-55°	50.5	50.6	50.7	50.8	50.9	50.9	50.9	50.9	50.9	50.8	50.7
-56.25°	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.2	49.1
-57.5°	47.2	47.3	47.5	47.6	47.6	47.7	47.7	47.7	47.6	47.6	47.5
-58.75°	45.2	45.3	45.4	45.5	45.6	45.6	45.7	45.6	45.6	45.5	45.4
-60°	43.1	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.5	43.5	43.4
-61.25°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
-62.5°	39.0	39.2	39.3	39.5	39.5	39.6	39.6	39.6	39.5	39.5	39.3
-63.75°	36.2	36.4	36.5	36.6	36.7	36.7	36.8	36.7	36.7	36.6	36.5
-65°	33.4	33.5	33.7	33.8	33.8	33.9	33.9	33.9	33.8	33.8	33.7
-66.25°	30.6	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.0	31.0	30.9
-67.5°	27.9	28.0	28.1	28.2	28.3	28.3	28.3	28.3	28.3	28.2	28.1
-68.75°	25.5	25.6	25.7	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.7
-70°	23.1	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
-71.25°	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3
-72.5°	19.2	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
-73.75°	17.6	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.7
-75°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
-76.25°	15.3	15.3	15.3	15.3	15.3	15.3	15.4	15.3	15.3	15.3	15.3
-77.5°	14.4	14.4	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
-80°	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
-81.25°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-82.5°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-83.75°	7.2	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
-85°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-86.25°	4.0	4.0	4.0	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
86.25°	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8
85°	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.3
83.75°	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9
82.5°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
81.25°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9
80°	12.0	12.0	11.9	11.9	11.9	11.8	11.7	11.7	11.6	11.5	11.4
78.75°	13.2	13.2	13.2	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.7
77.5°	14.4	14.4	14.4	14.3	14.3	14.2	14.2	14.1	14.0	13.9	13.9
76.25°	15.3	15.3	15.2	15.2	15.2	15.1	15.1	15.0	15.0	14.9	14.8
75°	16.1	16.1	16.1	16.0	16.0	16.0	15.9	15.8	15.8	15.7	15.6
73.75°	17.7	17.6	17.6	17.5	17.4	17.3	17.2	17.1	16.9	16.8	16.7
72.5°	19.3	19.2	19.1	19.0	19.0	18.9	18.7	18.6	18.5	18.3	18.2
71.25°	21.2	21.1	21.0	20.9	20.8	20.7	20.5	20.3	20.2	20.0	19.8
70°	23.2	23.1	23.0	22.9	22.8	22.6	22.4	22.3	22.1	21.9	21.6
68.75°	25.6	25.5	25.3	25.2	25.0	24.8	24.6	24.4	24.1	23.8	23.5
67.5°	28.0	27.9	27.8	27.6	27.4	27.2	27.0	26.7	26.4	26.2	25.8
66.25°	30.8	30.6	30.4	30.2	30.0	29.8	29.5	29.2	28.9	28.5	28.1
65°	33.5	33.4	33.2	33.0	32.8	32.5	32.2	31.9	31.5	31.1	30.7
63.75°	36.4	36.2	36.0	35.8	35.5	35.2	34.9	34.6	34.2	33.8	33.4
62.5°	39.2	39.0	38.8	38.6	38.3	38.0	37.7	37.3	36.9	36.5	36.0
61.25°	41.3	41.2	41.0	40.8	40.6	40.4	40.2	39.9	39.6	39.2	38.7
60°	43.3	43.1	43.0	42.8	42.6	42.4	42.1	41.8	41.5	41.2	40.8
58.75°	45.3	45.2	45.0	44.8	44.6	44.3	44.0	43.7	43.4	43.0	42.7
57.5°	47.3	47.2	47.0	46.8	46.6	46.3	46.0	45.7	45.3	45.0	44.6
56.25°	49.0	48.9	48.7	48.6	48.4	48.1	47.9	47.6	47.3	46.9	46.5
55°	50.6	50.5	50.3	50.1	49.9	49.7	49.4	49.2	48.9	48.5	48.2
53.75°	51.9	51.8	51.6	51.5	51.3	51.1	51.0	50.7	50.4	50.0	49.7
52.5°	53.0	52.9	52.8	52.7	52.5	52.3	52.1	51.9	51.6	51.4	51.1
51.25°	54.3	54.2	54.0	53.9	53.7	53.5	53.2	53.0	52.8	52.5	52.2
50°	55.5	55.4	55.2	55.1	54.9	54.7	54.4	54.2	53.9	53.6	53.3
48.75°	56.4	56.3	56.2	56.1	56.0	55.8	55.6	55.4	55.1	54.8	54.4
47.5°	57.2	57.1	57.0	56.9	56.8	56.6	56.4	56.3	56.1	55.9	55.6
46.25°	57.7	57.7	57.6	57.5	57.5	57.4	57.2	57.0	56.8	56.6	56.4
45°	58.1	58.0	58.0	57.9	57.9	57.8	57.7	57.6	57.5	57.3	57.1
43.75°	58.8	58.7	58.6	58.4	58.3	58.2	58.1	58.0	57.9	57.7	57.6
42.5°	59.6	59.5	59.3	59.2	59.0	58.9	58.7	58.5	58.2	58.1	58.0
41.25°	60.6	60.5	60.3	60.1	59.8	59.6	59.4	59.2	59.0	58.7	58.5
40°	61.8	61.6	61.4	61.2	61.0	60.7	60.4	60.0	59.7	59.4	59.2
38.75°	64.1	63.7	63.2	62.6	62.1	61.8	61.5	61.1	60.7	60.3	59.9
37.5°	66.9	66.5	65.9	65.3	64.7	63.9	63.1	62.3	61.8	61.4	61.0
36.25°	72.8	71.5	70.1	68.4	67.4	66.6	65.8	64.9	63.9	62.8	62.0
35°	80.3	79.0	77.5	75.8	73.8	71.6	69.3	67.4	66.4	65.3	64.2



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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°	92.4	89.7	86.5	83.1	81.1	78.8	76.3	73.6	70.8	67.8	66.6
32.5°	107.5	104.6	101.3	97.5	93.3	88.5	83.4	80.5	77.5	74.4	71.0
31.25°	124.1	120.6	116.4	112.1	107.6	102.7	97.3	91.5	85.3	81.0	77.5
30°	141.8	138.1	133.8	128.9	123.4	117.3	111.1	105.1	98.6	91.7	84.4
28.75°	163.2	157.8	151.5	146.0	140.2	133.8	126.9	119.4	111.8	104.6	97.0
27.5°	208.5	196.0	181.5	168.0	159.5	150.2	143.0	135.2	126.8	118.0	109.5
26.25°	309.9	281.9	252.1	218.2	197.2	175.8	162.4	151.0	142.1	132.9	123.2
25°	468.2	422.1	377.0	325.7	278.5	234.9	200.9	174.8	159.8	147.5	137.5
23.75°	661.8	604.8	543.5	477.9	408.6	342.7	280.6	227.4	192.4	166.6	152.0
22.5°	885.1	817.8	740.7	661.2	573.4	489.4	403.4	323.4	257.8	205.1	171.8
21.25°	1126.4	1051.5	964.5	869.9	766.1	662.9	556.5	454.9	361.2	278.3	212.8
20°	1363.1	1286.6	1196.7	1093.9	978.8	857.9	731.8	609.4	492.8	384.1	288.6
18.75°	1585.5	1505.9	1417.0	1314.7	1196.0	1065.2	924.7	781.6	643.4	512.0	391.7
17.5°	1818.1	1728.8	1629.2	1518.2	1401.5	1269.6	1123.8	966.3	807.8	654.8	512.0
16.25°	2055.9	1958.5	1848.2	1725.5	1595.4	1458.9	1314.4	1153.3	980.6	807.8	643.4
15°	2288.6	2187.3	2069.4	1936.1	1793.4	1643.0	1488.0	1329.5	1153.3	966.3	781.6
13.75°	2507.1	2403.2	2282.6	2144.9	1990.9	1827.8	1659.0	1488.0	1314.4	1123.8	924.7
12.5°	2706.7	2602.3	2480.7	2340.8	2182.3	2009.4	1827.8	1643.0	1458.9	1269.6	1065.2
11.25°	2887.4	2782.4	2660.5	2520.3	2359.6	2182.3	1990.9	1793.4	1595.4	1401.5	1196.0
10°	3053.2	2945.9	2821.3	2680.2	2520.3	2340.8	2144.9	1936.1	1725.5	1518.2	1314.7
8.75°	3201.7	3092.3	2965.8	2821.3	2660.5	2480.7	2282.6	2069.4	1848.2	1629.2	1417.0
7.5°	3336.8	3222.2	3092.3	2945.9	2782.4	2602.3	2403.2	2187.3	1958.5	1728.8	1505.9
6.25°	3454.0	3336.8	3201.7	3053.2	2887.4	2706.7	2507.1	2288.6	2055.9	1818.1	1585.5
5°	3548.7	3433.8	3294.9	3141.0	2974.0	2790.0	2590.3	2371.9	2137.6	1892.7	1653.0
3.75°	3620.8	3505.2	3367.7	3210.8	3042.3	2857.0	2656.0	2436.6	2200.5	1952.3	1706.3
2.5°	3671.0	3558.3	3421.9	3262.0	3090.0	2904.1	2703.8	2483.7	2246.1	1996.0	1745.5
1.25°	3699.2	3588.7	3453.0	3293.7	3119.3	2932.7	2731.1	2512.4	2273.8	2022.5	1769.6
0°	3709.0	3599.1	3463.1	3304.4	3129.2	2942.3	2740.2	2522.0	2283.1	2031.4	1777.7
-1.25°	3699.2	3588.7	3453.0	3293.7	3119.3	2932.7	2731.1	2512.4	2273.8	2022.5	1769.6
-2.5°	3671.0	3558.3	3421.9	3262.0	3090.0	2904.1	2703.8	2483.7	2246.1	1996.0	1745.5
-3.75°	3620.8	3505.2	3367.7	3210.8	3042.3	2857.0	2656.0	2436.6	2200.5	1952.3	1706.3
-5°	3548.7	3433.8	3294.9	3141.0	2974.0	2790.0	2590.3	2371.9	2137.6	1892.7	1653.0
-6.25°	3454.0	3336.8	3201.7	3053.2	2887.4	2706.7	2507.1	2288.6	2055.9	1818.1	1585.5
-7.5°	3336.8	3222.2	3092.3	2945.9	2782.4	2602.3	2403.2	2187.3	1958.5	1728.8	1505.9
-8.75°	3201.7	3092.3	2965.8	2821.3	2660.5	2480.7	2282.6	2069.4	1848.2	1629.2	1417.0
-10°	3053.2	2945.9	2821.3	2680.2	2520.3	2340.8	2144.9	1936.1	1725.5	1518.2	1314.7
-11.25°	2887.4	2782.4	2660.5	2520.3	2359.6	2182.3	1990.9	1793.4	1595.4	1401.5	1196.0
-12.5°	2706.7	2602.3	2480.7	2340.8	2182.3	2009.4	1827.8	1643.0	1458.9	1269.6	1065.2
-13.75°	2507.1	2403.2	2282.6	2144.9	1990.9	1827.8	1659.0	1488.0	1314.4	1123.8	924.7
-15°	2288.6	2187.3	2069.4	1936.1	1793.4	1643.0	1488.0	1329.5	1153.3	966.3	781.6
-16.25°	2055.9	1958.5	1848.2	1725.5	1595.4	1458.9	1314.4	1153.3	980.6	807.8	643.4
-17.5°	1818.1	1728.8	1629.2	1518.2	1401.5	1269.6	1123.8	966.3	807.8	654.8	512.0
-18.75°	1585.5	1505.9	1417.0	1314.7	1196.0	1065.2	924.7	781.6	643.4	512.0	391.7
-20°	1363.1	1286.6	1196.7	1093.9	978.8	857.9	731.8	609.4	492.8	384.1	288.6
-21.25°	1126.4	1051.5	964.5	869.9	766.1	662.9	556.5	454.9	361.2	278.3	212.8



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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°	885.1	817.8	740.7	661.2	573.4	489.4	403.4	323.4	257.8	205.1	171.8
-23.75°	661.8	604.8	543.5	477.9	408.6	342.7	280.6	227.4	192.4	166.6	152.0
-25°	468.2	422.1	377.0	325.7	278.5	234.9	200.9	174.8	159.8	147.5	137.5
-26.25°	309.9	281.9	252.1	218.2	197.2	175.8	162.4	151.0	142.1	132.9	123.2
-27.5°	208.5	196.0	181.5	168.0	159.5	150.2	143.0	135.2	126.8	118.0	109.5
-28.75°	163.2	157.8	151.5	146.0	140.2	133.8	126.9	119.4	111.8	104.6	97.0
-30°	141.8	138.1	133.8	128.9	123.4	117.3	111.1	105.1	98.6	91.7	84.4
-31.25°	124.1	120.6	116.4	112.1	107.6	102.7	97.3	91.5	85.3	81.0	77.5
-32.5°	107.5	104.6	101.3	97.5	93.3	88.5	83.4	80.5	77.5	74.4	71.0
-33.75°	92.4	89.7	86.5	83.1	81.1	78.8	76.3	73.6	70.8	67.8	66.6
-35°	80.3	79.0	77.5	75.8	73.8	71.6	69.3	67.4	66.4	65.3	64.2
-36.25°	72.8	71.5	70.1	68.4	67.4	66.6	65.8	64.9	63.9	62.8	62.0
-37.5°	66.9	66.5	65.9	65.3	64.7	63.9	63.1	62.3	61.8	61.4	61.0
-38.75°	64.1	63.7	63.2	62.6	62.1	61.8	61.5	61.1	60.7	60.3	59.9
-40°	61.8	61.6	61.4	61.2	61.0	60.7	60.4	60.0	59.7	59.4	59.2
-41.25°	60.6	60.5	60.3	60.1	59.8	59.6	59.4	59.2	59.0	58.7	58.5
-42.5°	59.6	59.5	59.3	59.2	59.0	58.9	58.7	58.5	58.2	58.1	58.0
-43.75°	58.8	58.7	58.6	58.4	58.3	58.2	58.1	58.0	57.9	57.7	57.6
-45°	58.1	58.0	58.0	57.9	57.9	57.8	57.7	57.6	57.5	57.3	57.1
-46.25°	57.7	57.7	57.6	57.5	57.5	57.4	57.2	57.0	56.8	56.6	56.4
-47.5°	57.2	57.1	57.0	56.9	56.8	56.6	56.4	56.3	56.1	55.9	55.6
-48.75°	56.4	56.3	56.2	56.1	56.0	55.8	55.6	55.4	55.1	54.8	54.4
-50°	55.5	55.4	55.2	55.1	54.9	54.7	54.4	54.2	53.9	53.6	53.3
-51.25°	54.3	54.2	54.0	53.9	53.7	53.5	53.2	53.0	52.8	52.5	52.2
-52.5°	53.0	52.9	52.8	52.7	52.5	52.3	52.1	51.9	51.6	51.4	51.1
-53.75°	51.9	51.8	51.6	51.5	51.3	51.1	51.0	50.7	50.4	50.0	49.7
-55°	50.6	50.5	50.3	50.1	49.9	49.7	49.4	49.2	48.9	48.5	48.2
-56.25°	49.0	48.9	48.7	48.6	48.4	48.1	47.9	47.6	47.3	46.9	46.5
-57.5°	47.3	47.2	47.0	46.8	46.6	46.3	46.0	45.7	45.3	45.0	44.6
-58.75°	45.3	45.2	45.0	44.8	44.6	44.3	44.0	43.7	43.4	43.0	42.7
-60°	43.3	43.1	43.0	42.8	42.6	42.4	42.1	41.8	41.5	41.2	40.8
-61.25°	41.3	41.2	41.0	40.8	40.6	40.4	40.2	39.9	39.6	39.2	38.7
-62.5°	39.2	39.0	38.8	38.6	38.3	38.0	37.7	37.3	36.9	36.5	36.0
-63.75°	36.4	36.2	36.0	35.8	35.5	35.2	34.9	34.6	34.2	33.8	33.4
-65°	33.5	33.4	33.2	33.0	32.8	32.5	32.2	31.9	31.5	31.1	30.7
-66.25°	30.8	30.6	30.4	30.2	30.0	29.8	29.5	29.2	28.9	28.5	28.1
-67.5°	28.0	27.9	27.8	27.6	27.4	27.2	27.0	26.7	26.4	26.2	25.8
-68.75°	25.6	25.5	25.3	25.2	25.0	24.8	24.6	24.4	24.1	23.8	23.5
-70°	23.2	23.1	23.0	22.9	22.8	22.6	22.4	22.3	22.1	21.9	21.6
-71.25°	21.2	21.1	21.0	20.9	20.8	20.7	20.5	20.3	20.2	20.0	19.8
-72.5°	19.3	19.2	19.1	19.0	19.0	18.9	18.7	18.6	18.5	18.3	18.2
-73.75°	17.7	17.6	17.6	17.5	17.4	17.3	17.2	17.1	16.9	16.8	16.7
-75°	16.1	16.1	16.1	16.0	16.0	16.0	15.9	15.8	15.8	15.7	15.6
-76.25°	15.3	15.3	15.2	15.2	15.2	15.1	15.1	15.0	15.0	14.9	14.8
-77.5°	14.4	14.4	14.4	14.3	14.3	14.2	14.2	14.1	14.0	13.9	13.9



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-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°	13.2	13.2	13.2	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.7
-80°	12.0	12.0	11.9	11.9	11.9	11.8	11.7	11.7	11.6	11.5	11.4
-81.25°	10.4	10.4	10.4	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9
-82.5°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
-83.75°	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	6.9	6.9
-85°	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.3
-86.25°	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8
-87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
86.25°	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
85°	5.3	5.3	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.7
83.75°	6.8	6.8	6.7	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0
82.5°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
81.25°	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.7
80°	11.3	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.2	10.1
78.75°	12.6	12.6	12.5	12.4	12.3	12.2	12.1	11.9	11.8	11.6	11.4
77.5°	13.8	13.7	13.6	13.5	13.4	13.2	13.1	13.0	12.9	12.7	12.6
76.25°	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6
75°	15.6	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.6
73.75°	16.5	16.4	16.2	16.1	16.0	15.9	15.8	15.7	15.5	15.4	15.3
72.5°	18.0	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.3	16.1	16.0
71.25°	19.5	19.3	19.1	18.9	18.7	18.4	18.2	18.0	17.7	17.4	17.1
70°	21.4	21.1	20.9	20.6	20.3	20.0	19.7	19.3	19.1	18.8	18.5
68.75°	23.3	23.0	22.7	22.4	22.1	21.8	21.4	21.0	20.7	20.3	19.9
67.5°	25.5	25.2	24.8	24.4	24.0	23.5	23.1	22.8	22.4	22.0	21.5
66.25°	27.8	27.4	27.0	26.6	26.2	25.7	25.2	24.7	24.2	23.7	23.2
65°	30.3	29.9	29.4	28.9	28.3	27.9	27.4	26.8	26.3	25.7	25.1
63.75°	32.9	32.4	31.9	31.4	30.8	30.3	29.6	29.0	28.3	27.7	27.1
62.5°	35.5	35.0	34.5	33.9	33.3	32.7	32.1	31.4	30.7	30.0	29.2
61.25°	38.2	37.6	37.1	36.5	35.8	35.2	34.5	33.8	33.0	32.3	31.5
60°	40.4	40.0	39.6	39.0	38.3	37.6	36.9	36.2	35.4	34.6	33.8
58.75°	42.3	41.9	41.4	41.0	40.5	40.0	39.4	38.6	37.8	36.9	36.1
57.5°	44.1	43.7	43.2	42.7	42.2	41.7	41.1	40.6	40.0	39.2	38.3
56.25°	46.0	45.5	45.0	44.5	44.0	43.4	42.8	42.2	41.6	41.0	40.3
55°	47.8	47.4	46.9	46.3	45.8	45.2	44.6	43.9	43.3	42.6	41.9
53.75°	49.3	48.9	48.5	48.0	47.5	46.9	46.3	45.6	44.9	44.2	43.5
52.5°	50.8	50.3	49.9	49.4	49.0	48.5	47.9	47.3	46.6	45.8	45.1
51.25°	51.9	51.6	51.2	50.8	50.3	49.8	49.3	48.7	48.1	47.5	46.7
50°	53.0	52.6	52.3	51.9	51.5	51.1	50.6	50.0	49.4	48.8	48.1
48.75°	54.1	53.7	53.3	52.9	52.5	52.1	51.7	51.2	50.7	50.0	49.3
47.5°	55.2	54.8	54.4	54.0	53.6	53.1	52.6	52.2	51.7	51.2	50.6
46.25°	56.1	55.9	55.5	55.1	54.6	54.1	53.6	53.1	52.6	52.1	51.5
45°	56.9	56.6	56.3	56.0	55.7	55.2	54.6	54.1	53.6	53.0	52.4
43.75°	57.5	57.3	57.0	56.7	56.4	56.0	55.6	55.1	54.5	53.9	53.3
42.5°	57.8	57.7	57.5	57.4	57.0	56.7	56.3	56.0	55.5	54.9	54.2
41.25°	58.2	58.0	57.9	57.7	57.5	57.3	57.0	56.6	56.2	55.8	55.2
40°	58.9	58.6	58.2	58.0	57.9	57.7	57.5	57.2	56.8	56.4	56.0
38.75°	59.6	59.2	58.9	58.6	58.2	58.0	57.8	57.6	57.4	57.0	56.5
37.5°	60.5	60.0	59.6	59.2	58.8	58.4	58.1	57.9	57.7	57.5	57.1
36.25°	61.5	61.0	60.4	59.9	59.5	59.0	58.6	58.2	58.0	57.7	57.5
35°	63.0	62.0	61.4	60.8	60.2	59.7	59.2	58.8	58.3	58.0	57.8



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	65.4	64.0	62.6	61.8	61.1	60.5	59.8	59.4	58.9	58.4	58.0
32.5°	67.7	66.3	64.9	63.4	62.1	61.4	60.7	60.0	59.4	58.9	58.4
31.25°	73.8	69.9	67.1	65.6	64.0	62.3	61.5	60.8	60.1	59.5	58.9
30°	80.0	76.0	71.8	67.8	66.1	64.4	62.6	61.6	60.8	60.1	59.4
28.75°	89.1	82.1	77.7	73.2	68.6	66.4	64.6	62.7	61.6	60.8	60.0
27.5°	101.3	92.6	83.7	78.9	74.1	69.2	66.5	64.6	62.6	61.5	60.7
26.25°	113.2	104.3	95.0	85.5	79.4	74.4	69.2	66.4	64.4	62.3	61.4
25°	126.9	116.0	106.1	96.2	86.1	79.4	74.1	68.6	66.1	64.0	62.1
23.75°	140.6	129.2	117.5	106.7	96.2	85.5	78.9	73.2	67.8	65.6	63.4
22.5°	155.3	142.1	130.0	117.5	106.1	95.0	83.7	77.7	71.8	67.1	64.9
21.25°	176.8	156.4	142.1	129.2	116.0	104.3	92.6	82.1	76.0	69.9	66.3
20°	215.8	176.8	155.3	140.6	126.9	113.2	101.3	89.1	80.0	73.8	67.7
18.75°	288.6	212.8	171.8	152.0	137.5	123.2	109.5	97.0	84.4	77.5	71.0
17.5°	384.1	278.3	205.1	166.6	147.5	132.9	118.0	104.6	91.7	81.0	74.4
16.25°	492.8	361.2	257.8	192.4	159.8	142.1	126.8	111.8	98.6	85.3	77.5
15°	609.4	454.9	323.4	227.4	174.8	151.0	135.2	119.4	105.1	91.5	80.5
13.75°	731.8	556.5	403.4	280.6	200.9	162.4	143.0	126.9	111.1	97.3	83.4
12.5°	857.9	662.9	489.4	342.7	234.9	175.8	150.2	133.8	117.3	102.7	88.5
11.25°	978.8	766.1	573.4	408.6	278.5	197.2	159.5	140.2	123.4	107.6	93.3
10°	1093.9	869.9	661.2	477.9	325.7	218.2	168.0	146.0	128.9	112.1	97.5
8.75°	1196.7	964.5	740.7	543.5	377.0	252.1	181.5	151.5	133.8	116.4	101.3
7.5°	1286.6	1051.5	817.8	604.8	422.1	281.9	196.0	157.8	138.1	120.6	104.6
6.25°	1363.1	1126.4	885.1	661.8	468.2	309.9	208.5	163.2	141.8	124.1	107.5
5°	1423.3	1187.6	940.9	709.1	507.1	340.3	222.3	167.7	144.8	127.0	109.8
3.75°	1470.7	1235.5	986.8	746.2	537.5	364.0	237.9	171.8	147.2	129.2	111.6
2.5°	1505.0	1270.0	1020.0	775.4	559.5	381.1	249.2	177.3	148.9	130.8	113.0
1.25°	1525.7	1290.8	1040.0	793.4	572.7	391.4	256.0	180.6	150.0	131.8	113.7
0°	1532.6	1297.8	1046.8	799.4	577.1	394.9	258.3	181.7	150.3	132.2	114.0
-1.25°	1525.7	1290.8	1040.0	793.4	572.7	391.4	256.0	180.6	150.0	131.8	113.7
-2.5°	1505.0	1270.0	1020.0	775.4	559.5	381.1	249.2	177.3	148.9	130.8	113.0
-3.75°	1470.7	1235.5	986.8	746.2	537.5	364.0	237.9	171.8	147.2	129.2	111.6
-5°	1423.3	1187.6	940.9	709.1	507.1	340.3	222.3	167.7	144.8	127.0	109.8
-6.25°	1363.1	1126.4	885.1	661.8	468.2	309.9	208.5	163.2	141.8	124.1	107.5
-7.5°	1286.6	1051.5	817.8	604.8	422.1	281.9	196.0	157.8	138.1	120.6	104.6
-8.75°	1196.7	964.5	740.7	543.5	377.0	252.1	181.5	151.5	133.8	116.4	101.3
-10°	1093.9	869.9	661.2	477.9	325.7	218.2	168.0	146.0	128.9	112.1	97.5
-11.25°	978.8	766.1	573.4	408.6	278.5	197.2	159.5	140.2	123.4	107.6	93.3
-12.5°	857.9	662.9	489.4	342.7	234.9	175.8	150.2	133.8	117.3	102.7	88.5
-13.75°	731.8	556.5	403.4	280.6	200.9	162.4	143.0	126.9	111.1	97.3	83.4
-15°	609.4	454.9	323.4	227.4	174.8	151.0	135.2	119.4	105.1	91.5	80.5
-16.25°	492.8	361.2	257.8	192.4	159.8	142.1	126.8	111.8	98.6	85.3	77.5
-17.5°	384.1	278.3	205.1	166.6	147.5	132.9	118.0	104.6	91.7	81.0	74.4
-18.75°	288.6	212.8	171.8	152.0	137.5	123.2	109.5	97.0	84.4	77.5	71.0
-20°	215.8	176.8	155.3	140.6	126.9	113.2	101.3	89.1	80.0	73.8	67.7
-21.25°	176.8	156.4	142.1	129.2	116.0	104.3	92.6	82.1	76.0	69.9	66.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	155.3	142.1	130.0	117.5	106.1	95.0	83.7	77.7	71.8	67.1	64.9
-23.75°	140.6	129.2	117.5	106.7	96.2	85.5	78.9	73.2	67.8	65.6	63.4
-25°	126.9	116.0	106.1	96.2	86.1	79.4	74.1	68.6	66.1	64.0	62.1
-26.25°	113.2	104.3	95.0	85.5	79.4	74.4	69.2	66.4	64.4	62.3	61.4
-27.5°	101.3	92.6	83.7	78.9	74.1	69.2	66.5	64.6	62.6	61.5	60.7
-28.75°	89.1	82.1	77.7	73.2	68.6	66.4	64.6	62.7	61.6	60.8	60.0
-30°	80.0	76.0	71.8	67.8	66.1	64.4	62.6	61.6	60.8	60.1	59.4
-31.25°	73.8	69.9	67.1	65.6	64.0	62.3	61.5	60.8	60.1	59.5	58.9
-32.5°	67.7	66.3	64.9	63.4	62.1	61.4	60.7	60.0	59.4	58.9	58.4
-33.75°	65.4	64.0	62.6	61.8	61.1	60.5	59.8	59.4	58.9	58.4	58.0
-35°	63.0	62.0	61.4	60.8	60.2	59.7	59.2	58.8	58.3	58.0	57.8
-36.25°	61.5	61.0	60.4	59.9	59.5	59.0	58.6	58.2	58.0	57.7	57.5
-37.5°	60.5	60.0	59.6	59.2	58.8	58.4	58.1	57.9	57.7	57.5	57.1
-38.75°	59.6	59.2	58.9	58.6	58.2	58.0	57.8	57.6	57.4	57.0	56.5
-40°	58.9	58.6	58.2	58.0	57.9	57.7	57.5	57.2	56.8	56.4	56.0
-41.25°	58.2	58.0	57.9	57.7	57.5	57.3	57.0	56.6	56.2	55.8	55.2
-42.5°	57.8	57.7	57.5	57.4	57.0	56.7	56.3	56.0	55.5	54.9	54.2
-43.75°	57.5	57.3	57.0	56.7	56.4	56.0	55.6	55.1	54.5	53.9	53.3
-45°	56.9	56.6	56.3	56.0	55.7	55.2	54.6	54.1	53.6	53.0	52.4
-46.25°	56.1	55.9	55.5	55.1	54.6	54.1	53.6	53.1	52.6	52.1	51.5
-47.5°	55.2	54.8	54.4	54.0	53.6	53.1	52.6	52.2	51.7	51.2	50.6
-48.75°	54.1	53.7	53.3	52.9	52.5	52.1	51.7	51.2	50.7	50.0	49.3
-50°	53.0	52.6	52.3	51.9	51.5	51.1	50.6	50.0	49.4	48.8	48.1
-51.25°	51.9	51.6	51.2	50.8	50.3	49.8	49.3	48.7	48.1	47.5	46.7
-52.5°	50.8	50.3	49.9	49.4	49.0	48.5	47.9	47.3	46.6	45.8	45.1
-53.75°	49.3	48.9	48.5	48.0	47.5	46.9	46.3	45.6	44.9	44.2	43.5
-55°	47.8	47.4	46.9	46.3	45.8	45.2	44.6	43.9	43.3	42.6	41.9
-56.25°	46.0	45.5	45.0	44.5	44.0	43.4	42.8	42.2	41.6	41.0	40.3
-57.5°	44.1	43.7	43.2	42.7	42.2	41.7	41.1	40.6	40.0	39.2	38.3
-58.75°	42.3	41.9	41.4	41.0	40.5	40.0	39.4	38.6	37.8	36.9	36.1
-60°	40.4	40.0	39.6	39.0	38.3	37.6	36.9	36.2	35.4	34.6	33.8
-61.25°	38.2	37.6	37.1	36.5	35.8	35.2	34.5	33.8	33.0	32.3	31.5
-62.5°	35.5	35.0	34.5	33.9	33.3	32.7	32.1	31.4	30.7	30.0	29.2
-63.75°	32.9	32.4	31.9	31.4	30.8	30.3	29.6	29.0	28.3	27.7	27.1
-65°	30.3	29.9	29.4	28.9	28.3	27.9	27.4	26.8	26.3	25.7	25.1
-66.25°	27.8	27.4	27.0	26.6	26.2	25.7	25.2	24.7	24.2	23.7	23.2
-67.5°	25.5	25.2	24.8	24.4	24.0	23.5	23.1	22.8	22.4	22.0	21.5
-68.75°	23.3	23.0	22.7	22.4	22.1	21.8	21.4	21.0	20.7	20.3	19.9
-70°	21.4	21.1	20.9	20.6	20.3	20.0	19.7	19.3	19.1	18.8	18.5
-71.25°	19.5	19.3	19.1	18.9	18.7	18.4	18.2	18.0	17.7	17.4	17.1
-72.5°	18.0	17.8	17.6	17.4	17.2	17.0	16.8	16.6	16.3	16.1	16.0
-73.75°	16.5	16.4	16.2	16.1	16.0	15.9	15.8	15.7	15.5	15.4	15.3
-75°	15.6	15.5	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.6
-76.25°	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.8	13.6
-77.5°	13.8	13.7	13.6	13.5	13.4	13.2	13.1	13.0	12.9	12.7	12.6



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	12.6	12.6	12.5	12.4	12.3	12.2	12.1	11.9	11.8	11.6	11.4
-80°	11.3	11.2	11.1	11.0	10.9	10.8	10.6	10.5	10.4	10.2	10.1
-81.25°	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.7
-82.5°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
-83.75°	6.8	6.8	6.7	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0
-85°	5.3	5.3	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.7
-86.25°	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
-87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
86.25°	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.5
85°	4.6	4.5	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7
83.75°	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8
82.5°	7.3	7.2	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
81.25°	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.4	7.2	7.0
80°	9.9	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1
78.75°	11.2	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2
77.5°	12.5	12.3	12.2	12.0	11.7	11.5	11.3	11.1	10.8	10.6	10.3
76.25°	13.4	13.3	13.1	12.9	12.8	12.6	12.4	12.2	12.0	11.7	11.4
75°	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.8	12.6	12.4
73.75°	15.1	15.0	14.9	14.7	14.6	14.4	14.2	13.9	13.7	13.5	13.2
72.5°	15.8	15.7	15.5	15.4	15.2	15.1	14.9	14.7	14.5	14.3	14.0
71.25°	16.8	16.5	16.2	16.0	15.9	15.7	15.5	15.3	15.1	14.9	14.7
70°	18.1	17.8	17.5	17.2	16.8	16.4	16.1	15.9	15.7	15.5	15.3
68.75°	19.5	19.1	18.8	18.4	18.0	17.6	17.2	16.8	16.4	16.1	15.9
67.5°	21.1	20.6	20.2	19.7	19.2	18.8	18.4	18.0	17.5	17.1	16.6
66.25°	22.7	22.2	21.7	21.2	20.7	20.2	19.6	19.1	18.6	18.2	17.7
65°	24.5	23.9	23.3	22.7	22.2	21.6	21.0	20.4	19.8	19.3	18.8
63.75°	26.5	25.8	25.2	24.5	23.7	23.1	22.5	21.9	21.2	20.6	19.9
62.5°	28.5	27.8	27.0	26.3	25.6	24.8	24.0	23.2	22.6	21.9	21.2
61.25°	30.7	29.9	29.0	28.2	27.4	26.6	25.8	24.9	24.0	23.2	22.5
60°	32.9	32.1	31.2	30.3	29.3	28.3	27.5	26.6	25.7	24.8	23.8
58.75°	35.2	34.2	33.3	32.3	31.4	30.4	29.3	28.3	27.3	26.4	25.4
57.5°	37.4	36.4	35.4	34.4	33.4	32.3	31.3	30.2	29.1	28.0	26.9
56.25°	39.6	38.6	37.6	36.5	35.4	34.3	33.2	32.1	30.9	29.7	28.5
55°	41.2	40.4	39.7	38.6	37.5	36.3	35.1	33.9	32.7	31.5	30.2
53.75°	42.7	42.0	41.2	40.4	39.5	38.3	37.1	35.8	34.6	33.3	32.0
52.5°	44.3	43.5	42.6	41.8	41.0	40.1	39.0	37.7	36.4	35.0	33.7
51.25°	45.8	45.0	44.1	43.2	42.4	41.4	40.5	39.6	38.2	36.8	35.4
50°	47.4	46.5	45.6	44.7	43.7	42.8	41.8	40.9	39.9	38.5	37.1
48.75°	48.7	47.9	47.1	46.1	45.1	44.2	43.1	42.1	41.1	40.1	38.7
47.5°	49.8	49.1	48.4	47.6	46.5	45.5	44.5	43.4	42.3	41.3	40.2
46.25°	51.0	50.3	49.5	48.7	47.9	46.9	45.8	44.7	43.5	42.4	41.3
45°	51.9	51.3	50.6	49.8	48.9	48.1	47.1	45.9	44.8	43.6	42.4
43.75°	52.7	52.1	51.5	50.9	50.0	49.1	48.2	47.2	46.0	44.8	43.5
42.5°	53.6	53.0	52.3	51.7	51.0	50.1	49.2	48.2	47.2	45.9	44.7
41.25°	54.5	53.8	53.1	52.5	51.8	51.1	50.2	49.2	48.2	47.1	45.8
40°	55.4	54.7	54.0	53.2	52.5	51.8	51.1	50.1	49.1	48.1	46.9
38.75°	56.1	55.5	54.8	54.0	53.3	52.5	51.8	51.0	50.0	48.9	47.9
37.5°	56.6	56.1	55.6	54.8	54.0	53.2	52.5	51.7	50.9	49.8	48.7
36.25°	57.1	56.7	56.2	55.6	54.8	54.0	53.1	52.3	51.5	50.6	49.5
35°	57.5	57.2	56.7	56.1	55.5	54.7	53.8	53.0	52.1	51.3	50.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	57.8	57.5	57.1	56.6	56.1	55.4	54.5	53.6	52.7	51.9	51.0
32.5°	58.0	57.8	57.5	57.1	56.5	56.0	55.2	54.2	53.3	52.4	51.5
31.25°	58.4	58.0	57.7	57.5	57.0	56.4	55.8	54.9	53.9	53.0	52.1
30°	58.9	58.3	58.0	57.7	57.4	56.8	56.2	55.5	54.5	53.6	52.6
28.75°	59.4	58.8	58.2	57.9	57.6	57.2	56.6	56.0	55.1	54.1	53.1
27.5°	59.8	59.2	58.6	58.1	57.8	57.5	57.0	56.3	55.6	54.6	53.6
26.25°	60.5	59.7	59.0	58.4	58.0	57.7	57.3	56.7	56.0	55.2	54.1
25°	61.1	60.2	59.5	58.8	58.2	57.9	57.5	57.0	56.4	55.7	54.6
23.75°	61.8	60.8	59.9	59.2	58.6	58.0	57.7	57.4	56.7	56.0	55.1
22.5°	62.6	61.4	60.4	59.6	58.9	58.2	57.9	57.5	57.0	56.3	55.5
21.25°	64.0	62.0	61.0	60.0	59.2	58.6	58.0	57.7	57.3	56.6	55.9
20°	65.4	63.0	61.5	60.5	59.6	58.9	58.2	57.8	57.5	56.9	56.1
18.75°	66.6	64.2	62.0	61.0	59.9	59.2	58.5	58.0	57.6	57.1	56.4
17.5°	67.8	65.3	62.8	61.4	60.3	59.4	58.7	58.1	57.7	57.3	56.6
16.25°	70.8	66.4	63.9	61.8	60.7	59.7	59.0	58.2	57.9	57.5	56.8
15°	73.6	67.4	64.9	62.3	61.1	60.0	59.2	58.5	58.0	57.6	57.0
13.75°	76.3	69.3	65.8	63.1	61.5	60.4	59.4	58.7	58.1	57.7	57.2
12.5°	78.8	71.6	66.6	63.9	61.8	60.7	59.6	58.9	58.2	57.8	57.4
11.25°	81.1	73.8	67.4	64.7	62.1	61.0	59.8	59.0	58.3	57.9	57.5
10°	83.1	75.8	68.4	65.3	62.6	61.2	60.1	59.2	58.4	57.9	57.5
8.75°	86.5	77.5	70.1	65.9	63.2	61.4	60.3	59.3	58.6	58.0	57.6
7.5°	89.7	79.0	71.5	66.5	63.7	61.6	60.5	59.5	58.7	58.0	57.7
6.25°	92.4	80.3	72.8	66.9	64.1	61.8	60.6	59.6	58.8	58.1	57.7
5°	94.7	81.4	73.8	67.3	64.4	62.0	60.8	59.6	58.9	58.1	57.7
3.75°	96.4	82.2	74.6	67.5	64.7	62.1	60.9	59.7	58.9	58.2	57.8
2.5°	97.6	82.8	75.1	67.7	64.9	62.1	60.9	59.8	59.0	58.2	57.8
1.25°	98.4	83.2	75.5	67.9	65.0	62.2	61.0	59.8	59.0	58.2	57.8
0°	98.7	83.3	75.6	67.9	65.1	62.2	61.0	59.8	59.0	58.2	57.8
-1.25°	98.4	83.2	75.5	67.9	65.0	62.2	61.0	59.8	59.0	58.2	57.8
-2.5°	97.6	82.8	75.1	67.7	64.9	62.1	60.9	59.8	59.0	58.2	57.8
-3.75°	96.4	82.2	74.6	67.5	64.7	62.1	60.9	59.7	58.9	58.2	57.8
-5°	94.7	81.4	73.8	67.3	64.4	62.0	60.8	59.6	58.9	58.1	57.7
-6.25°	92.4	80.3	72.8	66.9	64.1	61.8	60.6	59.6	58.8	58.1	57.7
-7.5°	89.7	79.0	71.5	66.5	63.7	61.6	60.5	59.5	58.7	58.0	57.7
-8.75°	86.5	77.5	70.1	65.9	63.2	61.4	60.3	59.3	58.6	58.0	57.6
-10°	83.1	75.8	68.4	65.3	62.6	61.2	60.1	59.2	58.4	57.9	57.5
-11.25°	81.1	73.8	67.4	64.7	62.1	61.0	59.8	59.0	58.3	57.9	57.5
-12.5°	78.8	71.6	66.6	63.9	61.8	60.7	59.6	58.9	58.2	57.8	57.4
-13.75°	76.3	69.3	65.8	63.1	61.5	60.4	59.4	58.7	58.1	57.7	57.2
-15°	73.6	67.4	64.9	62.3	61.1	60.0	59.2	58.5	58.0	57.6	57.0
-16.25°	70.8	66.4	63.9	61.8	60.7	59.7	59.0	58.2	57.9	57.5	56.8
-17.5°	67.8	65.3	62.8	61.4	60.3	59.4	58.7	58.1	57.7	57.3	56.6
-18.75°	66.6	64.2	62.0	61.0	59.9	59.2	58.5	58.0	57.6	57.1	56.4
-20°	65.4	63.0	61.5	60.5	59.6	58.9	58.2	57.8	57.5	56.9	56.1
-21.25°	64.0	62.0	61.0	60.0	59.2	58.6	58.0	57.7	57.3	56.6	55.9



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	62.6	61.4	60.4	59.6	58.9	58.2	57.9	57.5	57.0	56.3	55.5
-23.75°	61.8	60.8	59.9	59.2	58.6	58.0	57.7	57.4	56.7	56.0	55.1
-25°	61.1	60.2	59.5	58.8	58.2	57.9	57.5	57.0	56.4	55.7	54.6
-26.25°	60.5	59.7	59.0	58.4	58.0	57.7	57.3	56.7	56.0	55.2	54.1
-27.5°	59.8	59.2	58.6	58.1	57.8	57.5	57.0	56.3	55.6	54.6	53.6
-28.75°	59.4	58.8	58.2	57.9	57.6	57.2	56.6	56.0	55.1	54.1	53.1
-30°	58.9	58.3	58.0	57.7	57.4	56.8	56.2	55.5	54.5	53.6	52.6
-31.25°	58.4	58.0	57.7	57.5	57.0	56.4	55.8	54.9	53.9	53.0	52.1
-32.5°	58.0	57.8	57.5	57.1	56.5	56.0	55.2	54.2	53.3	52.4	51.5
-33.75°	57.8	57.5	57.1	56.6	56.1	55.4	54.5	53.6	52.7	51.9	51.0
-35°	57.5	57.2	56.7	56.1	55.5	54.7	53.8	53.0	52.1	51.3	50.3
-36.25°	57.1	56.7	56.2	55.6	54.8	54.0	53.1	52.3	51.5	50.6	49.5
-37.5°	56.6	56.1	55.6	54.8	54.0	53.2	52.5	51.7	50.9	49.8	48.7
-38.75°	56.1	55.5	54.8	54.0	53.3	52.5	51.8	51.0	50.0	48.9	47.9
-40°	55.4	54.7	54.0	53.2	52.5	51.8	51.1	50.1	49.1	48.1	46.9
-41.25°	54.5	53.8	53.1	52.5	51.8	51.1	50.2	49.2	48.2	47.1	45.8
-42.5°	53.6	53.0	52.3	51.7	51.0	50.1	49.2	48.2	47.2	45.9	44.7
-43.75°	52.7	52.1	51.5	50.9	50.0	49.1	48.2	47.2	46.0	44.8	43.5
-45°	51.9	51.3	50.6	49.8	48.9	48.1	47.1	45.9	44.8	43.6	42.4
-46.25°	51.0	50.3	49.5	48.7	47.9	46.9	45.8	44.7	43.5	42.4	41.3
-47.5°	49.8	49.1	48.4	47.6	46.5	45.5	44.5	43.4	42.3	41.3	40.2
-48.75°	48.7	47.9	47.1	46.1	45.1	44.2	43.1	42.1	41.1	40.1	38.7
-50°	47.4	46.5	45.6	44.7	43.7	42.8	41.8	40.9	39.9	38.5	37.1
-51.25°	45.8	45.0	44.1	43.2	42.4	41.4	40.5	39.6	38.2	36.8	35.4
-52.5°	44.3	43.5	42.6	41.8	41.0	40.1	39.0	37.7	36.4	35.0	33.7
-53.75°	42.7	42.0	41.2	40.4	39.5	38.3	37.1	35.8	34.6	33.3	32.0
-55°	41.2	40.4	39.7	38.6	37.5	36.3	35.1	33.9	32.7	31.5	30.2
-56.25°	39.6	38.6	37.6	36.5	35.4	34.3	33.2	32.1	30.9	29.7	28.5
-57.5°	37.4	36.4	35.4	34.4	33.4	32.3	31.3	30.2	29.1	28.0	26.9
-58.75°	35.2	34.2	33.3	32.3	31.4	30.4	29.3	28.3	27.3	26.4	25.4
-60°	32.9	32.1	31.2	30.3	29.3	28.3	27.5	26.6	25.7	24.8	23.8
-61.25°	30.7	29.9	29.0	28.2	27.4	26.6	25.8	24.9	24.0	23.2	22.5
-62.5°	28.5	27.8	27.0	26.3	25.6	24.8	24.0	23.2	22.6	21.9	21.2
-63.75°	26.5	25.8	25.2	24.5	23.7	23.1	22.5	21.9	21.2	20.6	19.9
-65°	24.5	23.9	23.3	22.7	22.2	21.6	21.0	20.4	19.8	19.3	18.8
-66.25°	22.7	22.2	21.7	21.2	20.7	20.2	19.6	19.1	18.6	18.2	17.7
-67.5°	21.1	20.6	20.2	19.7	19.2	18.8	18.4	18.0	17.5	17.1	16.6
-68.75°	19.5	19.1	18.8	18.4	18.0	17.6	17.2	16.8	16.4	16.1	15.9
-70°	18.1	17.8	17.5	17.2	16.8	16.4	16.1	15.9	15.7	15.5	15.3
-71.25°	16.8	16.5	16.2	16.0	15.9	15.7	15.5	15.3	15.1	14.9	14.7
-72.5°	15.8	15.7	15.5	15.4	15.2	15.1	14.9	14.7	14.5	14.3	14.0
-73.75°	15.1	15.0	14.9	14.7	14.6	14.4	14.2	13.9	13.7	13.5	13.2
-75°	14.4	14.3	14.1	13.9	13.7	13.5	13.3	13.1	12.8	12.6	12.4
-76.25°	13.4	13.3	13.1	12.9	12.8	12.6	12.4	12.2	12.0	11.7	11.4
-77.5°	12.5	12.3	12.2	12.0	11.7	11.5	11.3	11.1	10.8	10.6	10.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	11.2	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2
-80°	9.9	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1
-81.25°	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5	7.4	7.2	7.0
-82.5°	7.3	7.2	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
-83.75°	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8
-85°	4.6	4.5	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7
-86.25°	3.2	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.7	2.6	2.5
-87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
86.25°	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
85°	3.6	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
83.75°	4.7	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4	3.2
82.5°	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.6	4.4	4.2	4.0
81.25°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9
80°	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	5.9	5.7
78.75°	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.5
77.5°	10.1	9.8	9.5	9.3	9.0	8.7	8.4	8.1	7.8	7.6	7.3
76.25°	11.1	10.8	10.5	10.3	9.9	9.6	9.3	9.0	8.7	8.4	8.0
75°	12.2	11.9	11.6	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.8
73.75°	13.0	12.7	12.4	12.2	11.9	11.5	11.1	10.7	10.4	10.0	9.6
72.5°	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.4
71.25°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.0	11.6	11.1
70°	15.1	14.9	14.6	14.4	14.0	13.7	13.4	13.0	12.7	12.3	11.9
68.75°	15.6	15.4	15.2	14.9	14.7	14.4	14.0	13.7	13.3	12.9	12.5
67.5°	16.2	15.9	15.7	15.4	15.2	14.9	14.6	14.3	13.9	13.5	13.1
66.25°	17.2	16.7	16.2	15.9	15.7	15.4	15.1	14.8	14.5	14.1	13.7
65°	18.2	17.7	17.2	16.6	16.1	15.8	15.5	15.2	14.9	14.6	14.2
63.75°	19.3	18.7	18.1	17.6	17.0	16.4	16.0	15.7	15.3	15.0	14.7
62.5°	20.5	19.8	19.1	18.5	17.9	17.3	16.7	16.1	15.8	15.4	15.1
61.25°	21.7	21.0	20.2	19.4	18.8	18.2	17.5	16.8	16.2	15.8	15.5
60°	23.0	22.2	21.4	20.6	19.8	19.0	18.3	17.6	16.9	16.2	15.8
58.75°	24.4	23.4	22.6	21.7	20.9	20.0	19.2	18.4	17.7	17.0	16.2
57.5°	25.9	24.9	23.8	22.8	21.9	21.0	20.1	19.2	18.5	17.7	16.9
56.25°	27.4	26.3	25.2	24.1	23.0	22.1	21.1	20.2	19.2	18.4	17.6
55°	29.0	27.8	26.6	25.4	24.3	23.1	22.1	21.1	20.1	19.2	18.3
53.75°	30.6	29.3	28.0	26.8	25.6	24.3	23.1	22.1	21.0	20.0	19.0
52.5°	32.3	30.9	29.5	28.1	26.8	25.6	24.3	23.0	21.9	20.9	19.8
51.25°	33.9	32.5	31.0	29.6	28.1	26.8	25.4	24.1	22.8	21.7	20.6
50°	35.6	34.1	32.6	31.0	29.5	28.0	26.6	25.2	23.8	22.6	21.4
48.75°	37.2	35.7	34.1	32.5	30.9	29.3	27.8	26.3	24.9	23.4	22.2
47.5°	38.8	37.2	35.6	33.9	32.3	30.6	29.0	27.4	25.9	24.4	23.0
46.25°	40.2	38.7	37.1	35.4	33.7	32.0	30.2	28.5	26.9	25.4	23.8
45°	41.3	40.1	38.5	36.8	35.0	33.3	31.5	29.7	28.0	26.4	24.8
43.75°	42.3	41.1	39.9	38.2	36.4	34.6	32.7	30.9	29.1	27.3	25.7
42.5°	43.4	42.1	40.9	39.6	37.7	35.8	33.9	32.1	30.2	28.3	26.6
41.25°	44.5	43.1	41.8	40.5	39.0	37.1	35.1	33.2	31.3	29.3	27.5
40°	45.5	44.2	42.8	41.4	40.1	38.3	36.3	34.3	32.3	30.4	28.3
38.75°	46.5	45.1	43.7	42.4	41.0	39.5	37.5	35.4	33.4	31.4	29.3
37.5°	47.6	46.1	44.7	43.2	41.8	40.4	38.6	36.5	34.4	32.3	30.3
36.25°	48.4	47.1	45.6	44.1	42.6	41.2	39.7	37.6	35.4	33.3	31.2
35°	49.1	47.9	46.5	45.0	43.5	42.0	40.4	38.6	36.4	34.2	32.1



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	49.8	48.7	47.4	45.8	44.3	42.7	41.2	39.6	37.4	35.2	32.9
32.5°	50.6	49.3	48.1	46.7	45.1	43.5	41.9	40.3	38.3	36.1	33.8
31.25°	51.2	50.0	48.8	47.5	45.8	44.2	42.6	41.0	39.2	36.9	34.6
30°	51.7	50.7	49.4	48.1	46.6	44.9	43.3	41.6	40.0	37.8	35.4
28.75°	52.2	51.2	50.0	48.7	47.3	45.6	43.9	42.2	40.6	38.6	36.2
27.5°	52.6	51.7	50.6	49.3	47.9	46.3	44.6	42.8	41.1	39.4	36.9
26.25°	53.1	52.1	51.1	49.8	48.5	46.9	45.2	43.4	41.7	40.0	37.6
25°	53.6	52.5	51.5	50.3	49.0	47.5	45.8	44.0	42.2	40.5	38.3
23.75°	54.0	52.9	51.9	50.8	49.4	48.0	46.3	44.5	42.7	41.0	39.0
22.5°	54.4	53.3	52.3	51.2	49.9	48.5	46.9	45.0	43.2	41.4	39.6
21.25°	54.8	53.7	52.6	51.6	50.3	48.9	47.4	45.5	43.7	41.9	40.0
20°	55.2	54.1	53.0	51.9	50.8	49.3	47.8	46.0	44.1	42.3	40.4
18.75°	55.6	54.4	53.3	52.2	51.1	49.7	48.2	46.5	44.6	42.7	40.8
17.5°	55.9	54.8	53.6	52.5	51.4	50.0	48.5	46.9	45.0	43.0	41.2
16.25°	56.1	55.1	53.9	52.8	51.6	50.4	48.9	47.3	45.3	43.4	41.5
15°	56.3	55.4	54.2	53.0	51.9	50.7	49.2	47.6	45.7	43.7	41.8
13.75°	56.4	55.6	54.4	53.2	52.1	51.0	49.4	47.9	46.0	44.0	42.1
12.5°	56.6	55.8	54.7	53.5	52.3	51.1	49.7	48.1	46.3	44.3	42.4
11.25°	56.8	56.0	54.9	53.7	52.5	51.3	49.9	48.4	46.6	44.6	42.6
10°	56.9	56.1	55.1	53.9	52.7	51.5	50.1	48.6	46.8	44.8	42.8
8.75°	57.0	56.2	55.2	54.0	52.8	51.6	50.3	48.7	47.0	45.0	43.0
7.5°	57.1	56.3	55.4	54.2	52.9	51.8	50.5	48.9	47.2	45.2	43.1
6.25°	57.2	56.4	55.5	54.3	53.0	51.9	50.6	49.0	47.3	45.3	43.3
5°	57.3	56.5	55.6	54.4	53.1	51.9	50.7	49.1	47.5	45.4	43.4
3.75°	57.3	56.5	55.7	54.5	53.2	52.0	50.8	49.2	47.6	45.5	43.5
2.5°	57.4	56.6	55.8	54.5	53.3	52.1	50.9	49.3	47.6	45.6	43.5
1.25°	57.4	56.6	55.8	54.5	53.3	52.1	50.9	49.3	47.7	45.6	43.6
0°	57.4	56.6	55.8	54.6	53.3	52.1	50.9	49.3	47.7	45.7	43.6
-1.25°	57.4	56.6	55.8	54.5	53.3	52.1	50.9	49.3	47.7	45.6	43.6
-2.5°	57.4	56.6	55.8	54.5	53.3	52.1	50.9	49.3	47.6	45.6	43.5
-3.75°	57.3	56.5	55.7	54.5	53.2	52.0	50.8	49.2	47.6	45.5	43.5
-5°	57.3	56.5	55.6	54.4	53.1	51.9	50.7	49.1	47.5	45.4	43.4
-6.25°	57.2	56.4	55.5	54.3	53.0	51.9	50.6	49.0	47.3	45.3	43.3
-7.5°	57.1	56.3	55.4	54.2	52.9	51.8	50.5	48.9	47.2	45.2	43.1
-8.75°	57.0	56.2	55.2	54.0	52.8	51.6	50.3	48.7	47.0	45.0	43.0
-10°	56.9	56.1	55.1	53.9	52.7	51.5	50.1	48.6	46.8	44.8	42.8
-11.25°	56.8	56.0	54.9	53.7	52.5	51.3	49.9	48.4	46.6	44.6	42.6
-12.5°	56.6	55.8	54.7	53.5	52.3	51.1	49.7	48.1	46.3	44.3	42.4
-13.75°	56.4	55.6	54.4	53.2	52.1	51.0	49.4	47.9	46.0	44.0	42.1
-15°	56.3	55.4	54.2	53.0	51.9	50.7	49.2	47.6	45.7	43.7	41.8
-16.25°	56.1	55.1	53.9	52.8	51.6	50.4	48.9	47.3	45.3	43.4	41.5
-17.5°	55.9	54.8	53.6	52.5	51.4	50.0	48.5	46.9	45.0	43.0	41.2
-18.75°	55.6	54.4	53.3	52.2	51.1	49.7	48.2	46.5	44.6	42.7	40.8
-20°	55.2	54.1	53.0	51.9	50.8	49.3	47.8	46.0	44.1	42.3	40.4
-21.25°	54.8	53.7	52.6	51.6	50.3	48.9	47.4	45.5	43.7	41.9	40.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	54.4	53.3	52.3	51.2	49.9	48.5	46.9	45.0	43.2	41.4	39.6
-23.75°	54.0	52.9	51.9	50.8	49.4	48.0	46.3	44.5	42.7	41.0	39.0
-25°	53.6	52.5	51.5	50.3	49.0	47.5	45.8	44.0	42.2	40.5	38.3
-26.25°	53.1	52.1	51.1	49.8	48.5	46.9	45.2	43.4	41.7	40.0	37.6
-27.5°	52.6	51.7	50.6	49.3	47.9	46.3	44.6	42.8	41.1	39.4	36.9
-28.75°	52.2	51.2	50.0	48.7	47.3	45.6	43.9	42.2	40.6	38.6	36.2
-30°	51.7	50.7	49.4	48.1	46.6	44.9	43.3	41.6	40.0	37.8	35.4
-31.25°	51.2	50.0	48.8	47.5	45.8	44.2	42.6	41.0	39.2	36.9	34.6
-32.5°	50.6	49.3	48.1	46.7	45.1	43.5	41.9	40.3	38.3	36.1	33.8
-33.75°	49.8	48.7	47.4	45.8	44.3	42.7	41.2	39.6	37.4	35.2	32.9
-35°	49.1	47.9	46.5	45.0	43.5	42.0	40.4	38.6	36.4	34.2	32.1
-36.25°	48.4	47.1	45.6	44.1	42.6	41.2	39.7	37.6	35.4	33.3	31.2
-37.5°	47.6	46.1	44.7	43.2	41.8	40.4	38.6	36.5	34.4	32.3	30.3
-38.75°	46.5	45.1	43.7	42.4	41.0	39.5	37.5	35.4	33.4	31.4	29.3
-40°	45.5	44.2	42.8	41.4	40.1	38.3	36.3	34.3	32.3	30.4	28.3
-41.25°	44.5	43.1	41.8	40.5	39.0	37.1	35.1	33.2	31.3	29.3	27.5
-42.5°	43.4	42.1	40.9	39.6	37.7	35.8	33.9	32.1	30.2	28.3	26.6
-43.75°	42.3	41.1	39.9	38.2	36.4	34.6	32.7	30.9	29.1	27.3	25.7
-45°	41.3	40.1	38.5	36.8	35.0	33.3	31.5	29.7	28.0	26.4	24.8
-46.25°	40.2	38.7	37.1	35.4	33.7	32.0	30.2	28.5	26.9	25.4	23.8
-47.5°	38.8	37.2	35.6	33.9	32.3	30.6	29.0	27.4	25.9	24.4	23.0
-48.75°	37.2	35.7	34.1	32.5	30.9	29.3	27.8	26.3	24.9	23.4	22.2
-50°	35.6	34.1	32.6	31.0	29.5	28.0	26.6	25.2	23.8	22.6	21.4
-51.25°	33.9	32.5	31.0	29.6	28.1	26.8	25.4	24.1	22.8	21.7	20.6
-52.5°	32.3	30.9	29.5	28.1	26.8	25.6	24.3	23.0	21.9	20.9	19.8
-53.75°	30.6	29.3	28.0	26.8	25.6	24.3	23.1	22.1	21.0	20.0	19.0
-55°	29.0	27.8	26.6	25.4	24.3	23.1	22.1	21.1	20.1	19.2	18.3
-56.25°	27.4	26.3	25.2	24.1	23.0	22.1	21.1	20.2	19.2	18.4	17.6
-57.5°	25.9	24.9	23.8	22.8	21.9	21.0	20.1	19.2	18.5	17.7	16.9
-58.75°	24.4	23.4	22.6	21.7	20.9	20.0	19.2	18.4	17.7	17.0	16.2
-60°	23.0	22.2	21.4	20.6	19.8	19.0	18.3	17.6	16.9	16.2	15.8
-61.25°	21.7	21.0	20.2	19.4	18.8	18.2	17.5	16.8	16.2	15.8	15.5
-62.5°	20.5	19.8	19.1	18.5	17.9	17.3	16.7	16.1	15.8	15.4	15.1
-63.75°	19.3	18.7	18.1	17.6	17.0	16.4	16.0	15.7	15.3	15.0	14.7
-65°	18.2	17.7	17.2	16.6	16.1	15.8	15.5	15.2	14.9	14.6	14.2
-66.25°	17.2	16.7	16.2	15.9	15.7	15.4	15.1	14.8	14.5	14.1	13.7
-67.5°	16.2	15.9	15.7	15.4	15.2	14.9	14.6	14.3	13.9	13.5	13.1
-68.75°	15.6	15.4	15.2	14.9	14.7	14.4	14.0	13.7	13.3	12.9	12.5
-70°	15.1	14.9	14.6	14.4	14.0	13.7	13.4	13.0	12.7	12.3	11.9
-71.25°	14.5	14.2	13.9	13.6	13.3	13.0	12.7	12.4	12.0	11.6	11.1
-72.5°	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.6	11.2	10.8	10.4
-73.75°	13.0	12.7	12.4	12.2	11.9	11.5	11.1	10.7	10.4	10.0	9.6
-75°	12.2	11.9	11.6	11.2	10.9	10.6	10.2	9.9	9.5	9.2	8.8
-76.25°	11.1	10.8	10.5	10.3	9.9	9.6	9.3	9.0	8.7	8.4	8.0
-77.5°	10.1	9.8	9.5	9.3	9.0	8.7	8.4	8.1	7.8	7.6	7.3



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.5
-80°	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	5.9	5.7
-81.25°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9
-82.5°	5.8	5.6	5.5	5.3	5.1	4.9	4.8	4.6	4.4	4.2	4.0
-83.75°	4.7	4.5	4.4	4.3	4.1	4.0	3.8	3.7	3.5	3.4	3.2
-85°	3.6	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
-86.25°	2.4	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
83.75°	3.1	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
82.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2.0
81.25°	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.6	2.3
80°	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.3	3.1	2.8
78.75°	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.2	3.8	3.5	3.2
77.5°	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4	4.0	3.7
76.25°	7.7	7.4	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.5	4.1
75°	8.5	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
73.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.3	5.9	5.5	5.0
72.5°	9.9	9.5	9.1	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.5
71.25°	10.7	10.2	9.8	9.3	8.8	8.3	7.9	7.4	6.9	6.4	5.9
70°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.3
68.75°	12.1	11.6	11.1	10.6	10.0	9.5	9.0	8.4	7.9	7.3	6.8
67.5°	12.7	12.3	11.8	11.2	10.6	10.1	9.5	8.9	8.3	7.8	7.2
66.25°	13.2	12.8	12.4	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.6
65°	13.8	13.3	12.8	12.4	11.8	11.2	10.6	9.9	9.3	8.6	8.0
63.75°	14.3	13.8	13.3	12.8	12.4	11.8	11.1	10.4	9.8	9.1	8.4
62.5°	14.7	14.3	13.8	13.3	12.8	12.3	11.6	10.9	10.2	9.5	8.8
61.25°	15.1	14.7	14.3	13.8	13.2	12.7	12.1	11.4	10.7	9.9	9.2
60°	15.5	15.1	14.7	14.2	13.7	13.1	12.5	11.9	11.1	10.4	9.6
58.75°	15.8	15.4	15.0	14.6	14.1	13.5	12.9	12.3	11.6	10.8	10.0
57.5°	16.2	15.8	15.3	14.9	14.5	13.9	13.3	12.7	12.0	11.2	10.4
56.25°	16.8	16.1	15.7	15.2	14.8	14.3	13.7	13.0	12.4	11.6	10.7
55°	17.5	16.7	16.0	15.5	15.1	14.6	14.0	13.4	12.7	12.0	11.1
53.75°	18.2	17.3	16.4	15.8	15.4	14.9	14.4	13.7	13.0	12.3	11.5
52.5°	18.8	17.9	17.0	16.1	15.7	15.2	14.7	14.0	13.3	12.6	11.9
51.25°	19.4	18.5	17.6	16.6	15.9	15.4	14.9	14.4	13.6	12.9	12.2
50°	20.2	19.1	18.1	17.2	16.2	15.7	15.2	14.6	13.9	13.2	12.4
48.75°	21.0	19.8	18.7	17.7	16.7	15.9	15.4	14.9	14.2	13.5	12.7
47.5°	21.7	20.5	19.3	18.2	17.2	16.2	15.6	15.1	14.5	13.8	13.0
46.25°	22.5	21.2	19.9	18.8	17.7	16.6	15.9	15.3	14.7	14.0	13.2
45°	23.2	21.9	20.6	19.3	18.2	17.1	16.1	15.5	14.9	14.3	13.5
43.75°	24.0	22.6	21.2	19.8	18.6	17.5	16.4	15.7	15.1	14.5	13.7
42.5°	24.9	23.2	21.9	20.4	19.1	18.0	16.8	15.9	15.3	14.7	13.9
41.25°	25.8	24.0	22.5	21.0	19.6	18.4	17.2	16.1	15.5	14.9	14.2
40°	26.6	24.8	23.1	21.6	20.2	18.8	17.6	16.4	15.7	15.1	14.4
38.75°	27.4	25.6	23.7	22.2	20.7	19.2	18.0	16.8	15.9	15.2	14.6
37.5°	28.2	26.3	24.5	22.7	21.2	19.7	18.4	17.2	16.0	15.4	14.7
36.25°	29.0	27.0	25.2	23.3	21.7	20.2	18.8	17.5	16.2	15.5	14.9
35°	29.9	27.8	25.8	23.9	22.2	20.6	19.1	17.8	16.5	15.7	15.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	30.7	28.5	26.5	24.5	22.7	21.1	19.5	18.1	16.8	15.8	15.1
32.5°	31.5	29.2	27.1	25.1	23.2	21.5	19.9	18.5	17.1	16.0	15.3
31.25°	32.3	30.0	27.7	25.7	23.7	22.0	20.3	18.8	17.4	16.1	15.4
30°	33.0	30.7	28.3	26.3	24.2	22.4	20.7	19.1	17.7	16.3	15.5
28.75°	33.8	31.4	29.0	26.8	24.7	22.8	21.0	19.3	18.0	16.6	15.7
27.5°	34.5	32.1	29.6	27.4	25.2	23.1	21.4	19.7	18.2	16.8	15.8
26.25°	35.2	32.7	30.3	27.9	25.7	23.5	21.8	20.0	18.4	17.0	15.9
25°	35.8	33.3	30.8	28.3	26.2	24.0	22.1	20.3	18.7	17.2	16.0
23.75°	36.5	33.9	31.4	28.9	26.6	24.4	22.4	20.6	18.9	17.4	16.1
22.5°	37.1	34.5	31.9	29.4	27.0	24.8	22.7	20.9	19.1	17.6	16.2
21.25°	37.6	35.0	32.4	29.9	27.4	25.2	23.0	21.1	19.3	17.8	16.4
20°	38.2	35.5	32.9	30.3	27.8	25.5	23.3	21.4	19.5	18.0	16.5
18.75°	38.7	36.0	33.4	30.7	28.1	25.8	23.5	21.6	19.8	18.2	16.7
17.5°	39.2	36.5	33.8	31.1	28.5	26.2	23.8	21.9	20.0	18.3	16.8
16.25°	39.6	36.9	34.2	31.5	28.9	26.4	24.1	22.1	20.2	18.5	16.9
15°	39.9	37.3	34.6	31.9	29.2	26.7	24.4	22.3	20.3	18.6	17.1
13.75°	40.2	37.7	34.9	32.2	29.5	27.0	24.6	22.4	20.5	18.7	17.2
12.5°	40.4	38.0	35.2	32.5	29.8	27.2	24.8	22.6	20.7	18.9	17.3
11.25°	40.6	38.3	35.5	32.8	30.0	27.4	25.0	22.8	20.8	19.0	17.4
10°	40.8	38.6	35.8	33.0	30.2	27.6	25.2	22.9	20.9	19.0	17.5
8.75°	41.0	38.8	36.0	33.2	30.4	27.8	25.3	23.0	21.0	19.1	17.6
7.5°	41.2	39.0	36.2	33.4	30.6	27.9	25.5	23.1	21.1	19.2	17.6
6.25°	41.3	39.2	36.4	33.5	30.8	28.0	25.6	23.2	21.2	19.3	17.7
5°	41.4	39.3	36.5	33.7	30.9	28.1	25.7	23.3	21.3	19.3	17.7
3.75°	41.5	39.5	36.6	33.8	31.0	28.2	25.8	23.3	21.3	19.4	17.8
2.5°	41.6	39.5	36.7	33.8	31.0	28.3	25.8	23.4	21.4	19.4	17.8
1.25°	41.6	39.6	36.7	33.9	31.1	28.3	25.8	23.4	21.4	19.4	17.8
0°	41.6	39.6	36.8	33.9	31.1	28.3	25.9	23.4	21.4	19.4	17.8
-1.25°	41.6	39.6	36.7	33.9	31.1	28.3	25.8	23.4	21.4	19.4	17.8
-2.5°	41.6	39.5	36.7	33.8	31.0	28.3	25.8	23.4	21.4	19.4	17.8
-3.75°	41.5	39.5	36.6	33.8	31.0	28.2	25.8	23.3	21.3	19.4	17.8
-5°	41.4	39.3	36.5	33.7	30.9	28.1	25.7	23.3	21.3	19.3	17.7
-6.25°	41.3	39.2	36.4	33.5	30.8	28.0	25.6	23.2	21.2	19.3	17.7
-7.5°	41.2	39.0	36.2	33.4	30.6	27.9	25.5	23.1	21.1	19.2	17.6
-8.75°	41.0	38.8	36.0	33.2	30.4	27.8	25.3	23.0	21.0	19.1	17.6
-10°	40.8	38.6	35.8	33.0	30.2	27.6	25.2	22.9	20.9	19.0	17.5
-11.25°	40.6	38.3	35.5	32.8	30.0	27.4	25.0	22.8	20.8	19.0	17.4
-12.5°	40.4	38.0	35.2	32.5	29.8	27.2	24.8	22.6	20.7	18.9	17.3
-13.75°	40.2	37.7	34.9	32.2	29.5	27.0	24.6	22.4	20.5	18.7	17.2
-15°	39.9	37.3	34.6	31.9	29.2	26.7	24.4	22.3	20.3	18.6	17.1
-16.25°	39.6	36.9	34.2	31.5	28.9	26.4	24.1	22.1	20.2	18.5	16.9
-17.5°	39.2	36.5	33.8	31.1	28.5	26.2	23.8	21.9	20.0	18.3	16.8
-18.75°	38.7	36.0	33.4	30.7	28.1	25.8	23.5	21.6	19.8	18.2	16.7
-20°	38.2	35.5	32.9	30.3	27.8	25.5	23.3	21.4	19.5	18.0	16.5
-21.25°	37.6	35.0	32.4	29.9	27.4	25.2	23.0	21.1	19.3	17.8	16.4



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	37.1	34.5	31.9	29.4	27.0	24.8	22.7	20.9	19.1	17.6	16.2
-23.75°	36.5	33.9	31.4	28.9	26.6	24.4	22.4	20.6	18.9	17.4	16.1
-25°	35.8	33.3	30.8	28.3	26.2	24.0	22.1	20.3	18.7	17.2	16.0
-26.25°	35.2	32.7	30.3	27.9	25.7	23.5	21.8	20.0	18.4	17.0	15.9
-27.5°	34.5	32.1	29.6	27.4	25.2	23.1	21.4	19.7	18.2	16.8	15.8
-28.75°	33.8	31.4	29.0	26.8	24.7	22.8	21.0	19.3	18.0	16.6	15.7
-30°	33.0	30.7	28.3	26.3	24.2	22.4	20.7	19.1	17.7	16.3	15.5
-31.25°	32.3	30.0	27.7	25.7	23.7	22.0	20.3	18.8	17.4	16.1	15.4
-32.5°	31.5	29.2	27.1	25.1	23.2	21.5	19.9	18.5	17.1	16.0	15.3
-33.75°	30.7	28.5	26.5	24.5	22.7	21.1	19.5	18.1	16.8	15.8	15.1
-35°	29.9	27.8	25.8	23.9	22.2	20.6	19.1	17.8	16.5	15.7	15.0
-36.25°	29.0	27.0	25.2	23.3	21.7	20.2	18.8	17.5	16.2	15.5	14.9
-37.5°	28.2	26.3	24.5	22.7	21.2	19.7	18.4	17.2	16.0	15.4	14.7
-38.75°	27.4	25.6	23.7	22.2	20.7	19.2	18.0	16.8	15.9	15.2	14.6
-40°	26.6	24.8	23.1	21.6	20.2	18.8	17.6	16.4	15.7	15.1	14.4
-41.25°	25.8	24.0	22.5	21.0	19.6	18.4	17.2	16.1	15.5	14.9	14.2
-42.5°	24.9	23.2	21.9	20.4	19.1	18.0	16.8	15.9	15.3	14.7	13.9
-43.75°	24.0	22.6	21.2	19.8	18.6	17.5	16.4	15.7	15.1	14.5	13.7
-45°	23.2	21.9	20.6	19.3	18.2	17.1	16.1	15.5	14.9	14.3	13.5
-46.25°	22.5	21.2	19.9	18.8	17.7	16.6	15.9	15.3	14.7	14.0	13.2
-47.5°	21.7	20.5	19.3	18.2	17.2	16.2	15.6	15.1	14.5	13.8	13.0
-48.75°	21.0	19.8	18.7	17.7	16.7	15.9	15.4	14.9	14.2	13.5	12.7
-50°	20.2	19.1	18.1	17.2	16.2	15.7	15.2	14.6	13.9	13.2	12.4
-51.25°	19.4	18.5	17.6	16.6	15.9	15.4	14.9	14.4	13.6	12.9	12.2
-52.5°	18.8	17.9	17.0	16.1	15.7	15.2	14.7	14.0	13.3	12.6	11.9
-53.75°	18.2	17.3	16.4	15.8	15.4	14.9	14.4	13.7	13.0	12.3	11.5
-55°	17.5	16.7	16.0	15.5	15.1	14.6	14.0	13.4	12.7	12.0	11.1
-56.25°	16.8	16.1	15.7	15.2	14.8	14.3	13.7	13.0	12.4	11.6	10.7
-57.5°	16.2	15.8	15.3	14.9	14.5	13.9	13.3	12.7	12.0	11.2	10.4
-58.75°	15.8	15.4	15.0	14.6	14.1	13.5	12.9	12.3	11.6	10.8	10.0
-60°	15.5	15.1	14.7	14.2	13.7	13.1	12.5	11.9	11.1	10.4	9.6
-61.25°	15.1	14.7	14.3	13.8	13.2	12.7	12.1	11.4	10.7	9.9	9.2
-62.5°	14.7	14.3	13.8	13.3	12.8	12.3	11.6	10.9	10.2	9.5	8.8
-63.75°	14.3	13.8	13.3	12.8	12.4	11.8	11.1	10.4	9.8	9.1	8.4
-65°	13.8	13.3	12.8	12.4	11.8	11.2	10.6	9.9	9.3	8.6	8.0
-66.25°	13.2	12.8	12.4	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.6
-67.5°	12.7	12.3	11.8	11.2	10.6	10.1	9.5	8.9	8.3	7.8	7.2
-68.75°	12.1	11.6	11.1	10.6	10.0	9.5	9.0	8.4	7.9	7.3	6.8
-70°	11.4	10.9	10.4	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.3
-71.25°	10.7	10.2	9.8	9.3	8.8	8.3	7.9	7.4	6.9	6.4	5.9
-72.5°	9.9	9.5	9.1	8.6	8.2	7.8	7.3	6.9	6.4	5.9	5.5
-73.75°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.3	5.9	5.5	5.0
-75°	8.5	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
-76.25°	7.7	7.4	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.5	4.1
-77.5°	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4	4.0	3.7



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.2	3.8	3.5	3.2
-80°	5.4	5.2	4.9	4.7	4.4	4.1	3.9	3.6	3.3	3.1	2.8
-81.25°	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.6	2.3
-82.5°	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.2	2.0
-83.75°	3.1	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
78.75°	2.9	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
77.5°	3.3	3.0	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
76.25°	3.8	3.4	3.0	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
75°	4.2	3.8	3.3	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
73.75°	4.6	4.1	3.7	3.2	2.8	2.3	2.0	1.7	1.3	1.0	0.7
72.5°	5.0	4.5	4.0	3.5	3.1	2.6	2.2	1.8	1.4	1.1	0.7
71.25°	5.4	4.9	4.4	3.8	3.3	2.8	2.3	1.9	1.5	1.2	0.8
70°	5.8	5.3	4.7	4.2	3.6	3.0	2.5	2.0	1.6	1.2	0.8
68.75°	6.2	5.6	5.0	4.5	3.9	3.3	2.7	2.2	1.7	1.3	0.9
67.5°	6.6	6.0	5.4	4.8	4.1	3.5	2.9	2.3	1.8	1.4	0.9
66.25°	7.0	6.3	5.7	5.0	4.4	3.7	3.1	2.4	1.9	1.4	1.0
65°	7.3	6.7	6.0	5.3	4.7	4.0	3.3	2.6	2.0	1.5	1.0
63.75°	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.7	2.1	1.6	1.1
62.5°	8.1	7.4	6.6	5.9	5.2	4.4	3.7	2.9	2.2	1.7	1.1
61.25°	8.5	7.7	6.9	6.2	5.4	4.6	3.9	3.1	2.3	1.7	1.2
60°	8.8	8.0	7.3	6.5	5.7	4.9	4.0	3.2	2.4	1.8	1.2
58.75°	9.2	8.4	7.6	6.7	5.9	5.1	4.2	3.4	2.5	1.9	1.2
57.5°	9.5	8.7	7.8	7.0	6.2	5.3	4.4	3.5	2.6	1.9	1.3
56.25°	9.9	9.0	8.1	7.3	6.4	5.5	4.6	3.7	2.8	2.0	1.3
55°	10.2	9.3	8.4	7.5	6.6	5.7	4.8	3.8	2.9	2.1	1.4
53.75°	10.6	9.6	8.7	7.8	6.8	5.9	4.9	4.0	3.0	2.1	1.4
52.5°	10.9	9.9	9.0	8.0	7.1	6.1	5.1	4.1	3.1	2.2	1.5
51.25°	11.2	10.3	9.3	8.3	7.3	6.3	5.3	4.3	3.2	2.3	1.5
50°	11.6	10.5	9.5	8.5	7.5	6.5	5.5	4.4	3.3	2.3	1.5
48.75°	11.9	10.8	9.8	8.8	7.7	6.7	5.6	4.5	3.4	2.4	1.6
47.5°	12.2	11.1	10.1	9.0	7.9	6.9	5.8	4.7	3.6	2.4	1.6
46.25°	12.4	11.4	10.3	9.2	8.1	7.0	5.9	4.8	3.7	2.5	1.7
45°	12.6	11.7	10.6	9.4	8.3	7.2	6.1	4.9	3.8	2.6	1.7
43.75°	12.8	12.0	10.8	9.7	8.5	7.4	6.2	5.1	3.9	2.7	1.7
42.5°	13.1	12.2	11.1	9.9	8.7	7.5	6.4	5.2	4.0	2.7	1.8
41.25°	13.3	12.4	11.3	10.1	8.9	7.7	6.5	5.3	4.1	2.8	1.8
40°	13.5	12.6	11.5	10.3	9.1	7.9	6.6	5.4	4.2	2.9	1.8
38.75°	13.7	12.8	11.7	10.5	9.3	8.0	6.8	5.5	4.2	3.0	1.9
37.5°	13.9	12.9	12.0	10.7	9.4	8.2	6.9	5.6	4.3	3.0	1.9
36.25°	14.1	13.1	12.2	10.9	9.6	8.3	7.0	5.7	4.4	3.1	1.9
35°	14.3	13.3	12.3	11.1	9.8	8.5	7.2	5.8	4.5	3.2	2.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	14.4	13.4	12.5	11.2	9.9	8.6	7.3	5.9	4.6	3.2	2.0
32.5°	14.6	13.6	12.6	11.4	10.1	8.7	7.4	6.0	4.7	3.3	2.0
31.25°	14.7	13.8	12.7	11.6	10.2	8.9	7.5	6.1	4.7	3.3	2.1
30°	14.8	13.9	12.9	11.8	10.4	9.0	7.6	6.2	4.8	3.4	2.1
28.75°	14.9	14.0	13.0	11.9	10.5	9.1	7.7	6.3	4.9	3.4	2.1
27.5°	15.0	14.2	13.1	12.1	10.6	9.2	7.8	6.4	5.0	3.5	2.1
26.25°	15.1	14.3	13.2	12.2	10.8	9.3	7.9	6.5	5.0	3.5	2.2
25°	15.2	14.4	13.4	12.3	10.9	9.4	8.0	6.5	5.1	3.6	2.2
23.75°	15.3	14.5	13.5	12.4	11.0	9.5	8.1	6.6	5.1	3.6	2.2
22.5°	15.4	14.6	13.6	12.5	11.1	9.6	8.2	6.7	5.2	3.7	2.2
21.25°	15.5	14.7	13.7	12.6	11.2	9.7	8.2	6.8	5.3	3.7	2.2
20°	15.6	14.8	13.8	12.6	11.3	9.8	8.3	6.8	5.3	3.8	2.3
18.75°	15.6	14.8	13.9	12.7	11.4	9.9	8.4	6.9	5.3	3.8	2.3
17.5°	15.7	14.9	13.9	12.8	11.5	10.0	8.5	6.9	5.4	3.8	2.3
16.25°	15.8	15.0	14.0	12.9	11.6	10.0	8.5	7.0	5.4	3.9	2.3
15°	15.8	15.0	14.1	12.9	11.7	10.1	8.6	7.0	5.5	3.9	2.3
13.75°	15.9	15.1	14.2	13.0	11.7	10.2	8.6	7.1	5.5	3.9	2.3
12.5°	16.0	15.1	14.2	13.0	11.8	10.2	8.7	7.1	5.5	3.9	2.3
11.25°	16.0	15.2	14.3	13.1	11.9	10.3	8.7	7.1	5.6	4.0	2.4
10°	16.0	15.2	14.3	13.1	11.9	10.3	8.8	7.2	5.6	4.0	2.4
8.75°	16.1	15.2	14.4	13.2	11.9	10.4	8.8	7.2	5.6	4.0	2.4
7.5°	16.1	15.3	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
6.25°	16.1	15.3	14.4	13.2	12.0	10.4	8.8	7.3	5.7	4.0	2.4
5°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
3.75°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
2.5°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
1.25°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
0°	16.2	15.4	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.1	2.4
-1.25°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
-2.5°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
-3.75°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
-5°	16.2	15.3	14.5	13.3	12.1	10.5	8.9	7.3	5.7	4.0	2.4
-6.25°	16.1	15.3	14.4	13.2	12.0	10.4	8.8	7.3	5.7	4.0	2.4
-7.5°	16.1	15.3	14.4	13.2	12.0	10.4	8.8	7.2	5.6	4.0	2.4
-8.75°	16.1	15.2	14.4	13.2	11.9	10.4	8.8	7.2	5.6	4.0	2.4
-10°	16.0	15.2	14.3	13.1	11.9	10.3	8.8	7.2	5.6	4.0	2.4
-11.25°	16.0	15.2	14.3	13.1	11.9	10.3	8.7	7.1	5.6	4.0	2.4
-12.5°	16.0	15.1	14.2	13.0	11.8	10.2	8.7	7.1	5.5	3.9	2.3
-13.75°	15.9	15.1	14.2	13.0	11.7	10.2	8.6	7.1	5.5	3.9	2.3
-15°	15.8	15.0	14.1	12.9	11.7	10.1	8.6	7.0	5.5	3.9	2.3
-16.25°	15.8	15.0	14.0	12.9	11.6	10.0	8.5	7.0	5.4	3.9	2.3
-17.5°	15.7	14.9	13.9	12.8	11.5	10.0	8.5	6.9	5.4	3.8	2.3
-18.75°	15.6	14.8	13.9	12.7	11.4	9.9	8.4	6.9	5.3	3.8	2.3
-20°	15.6	14.8	13.8	12.6	11.3	9.8	8.3	6.8	5.3	3.8	2.3
-21.25°	15.5	14.7	13.7	12.6	11.2	9.7	8.2	6.8	5.3	3.7	2.2



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	15.4	14.6	13.6	12.5	11.1	9.6	8.2	6.7	5.2	3.7	2.2
-23.75°	15.3	14.5	13.5	12.4	11.0	9.5	8.1	6.6	5.1	3.6	2.2
-25°	15.2	14.4	13.4	12.3	10.9	9.4	8.0	6.5	5.1	3.6	2.2
-26.25°	15.1	14.3	13.2	12.2	10.8	9.3	7.9	6.5	5.0	3.5	2.2
-27.5°	15.0	14.2	13.1	12.1	10.6	9.2	7.8	6.4	5.0	3.5	2.1
-28.75°	14.9	14.0	13.0	11.9	10.5	9.1	7.7	6.3	4.9	3.4	2.1
-30°	14.8	13.9	12.9	11.8	10.4	9.0	7.6	6.2	4.8	3.4	2.1
-31.25°	14.7	13.8	12.7	11.6	10.2	8.9	7.5	6.1	4.7	3.3	2.1
-32.5°	14.6	13.6	12.6	11.4	10.1	8.7	7.4	6.0	4.7	3.3	2.0
-33.75°	14.4	13.4	12.5	11.2	9.9	8.6	7.3	5.9	4.6	3.2	2.0
-35°	14.3	13.3	12.3	11.1	9.8	8.5	7.2	5.8	4.5	3.2	2.0
-36.25°	14.1	13.1	12.2	10.9	9.6	8.3	7.0	5.7	4.4	3.1	1.9
-37.5°	13.9	12.9	12.0	10.7	9.4	8.2	6.9	5.6	4.3	3.0	1.9
-38.75°	13.7	12.8	11.7	10.5	9.3	8.0	6.8	5.5	4.2	3.0	1.9
-40°	13.5	12.6	11.5	10.3	9.1	7.9	6.6	5.4	4.2	2.9	1.8
-41.25°	13.3	12.4	11.3	10.1	8.9	7.7	6.5	5.3	4.1	2.8	1.8
-42.5°	13.1	12.2	11.1	9.9	8.7	7.5	6.4	5.2	4.0	2.7	1.8
-43.75°	12.8	12.0	10.8	9.7	8.5	7.4	6.2	5.1	3.9	2.7	1.7
-45°	12.6	11.7	10.6	9.4	8.3	7.2	6.1	4.9	3.8	2.6	1.7
-46.25°	12.4	11.4	10.3	9.2	8.1	7.0	5.9	4.8	3.7	2.5	1.7
-47.5°	12.2	11.1	10.1	9.0	7.9	6.9	5.8	4.7	3.6	2.4	1.6
-48.75°	11.9	10.8	9.8	8.8	7.7	6.7	5.6	4.5	3.4	2.4	1.6
-50°	11.6	10.5	9.5	8.5	7.5	6.5	5.5	4.4	3.3	2.3	1.5
-51.25°	11.2	10.3	9.3	8.3	7.3	6.3	5.3	4.3	3.2	2.3	1.5
-52.5°	10.9	9.9	9.0	8.0	7.1	6.1	5.1	4.1	3.1	2.2	1.5
-53.75°	10.6	9.6	8.7	7.8	6.8	5.9	4.9	4.0	3.0	2.1	1.4
-55°	10.2	9.3	8.4	7.5	6.6	5.7	4.8	3.8	2.9	2.1	1.4
-56.25°	9.9	9.0	8.1	7.3	6.4	5.5	4.6	3.7	2.8	2.0	1.3
-57.5°	9.5	8.7	7.8	7.0	6.2	5.3	4.4	3.5	2.6	1.9	1.3
-58.75°	9.2	8.4	7.6	6.7	5.9	5.1	4.2	3.4	2.5	1.9	1.2
-60°	8.8	8.0	7.3	6.5	5.7	4.9	4.0	3.2	2.4	1.8	1.2
-61.25°	8.5	7.7	6.9	6.2	5.4	4.6	3.9	3.1	2.3	1.7	1.2
-62.5°	8.1	7.4	6.6	5.9	5.2	4.4	3.7	2.9	2.2	1.7	1.1
-63.75°	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.7	2.1	1.6	1.1
-65°	7.3	6.7	6.0	5.3	4.7	4.0	3.3	2.6	2.0	1.5	1.0
-66.25°	7.0	6.3	5.7	5.0	4.4	3.7	3.1	2.4	1.9	1.4	1.0
-67.5°	6.6	6.0	5.4	4.8	4.1	3.5	2.9	2.3	1.8	1.4	0.9
-68.75°	6.2	5.6	5.0	4.5	3.9	3.3	2.7	2.2	1.7	1.3	0.9
-70°	5.8	5.3	4.7	4.2	3.6	3.0	2.5	2.0	1.6	1.2	0.8
-71.25°	5.4	4.9	4.4	3.8	3.3	2.8	2.3	1.9	1.5	1.2	0.8
-72.5°	5.0	4.5	4.0	3.5	3.1	2.6	2.2	1.8	1.4	1.1	0.7
-73.75°	4.6	4.1	3.7	3.2	2.8	2.3	2.0	1.7	1.3	1.0	0.7
-75°	4.2	3.8	3.3	2.9	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-76.25°	3.8	3.4	3.0	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-77.5°	3.3	3.0	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.9	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220478 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)