

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: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

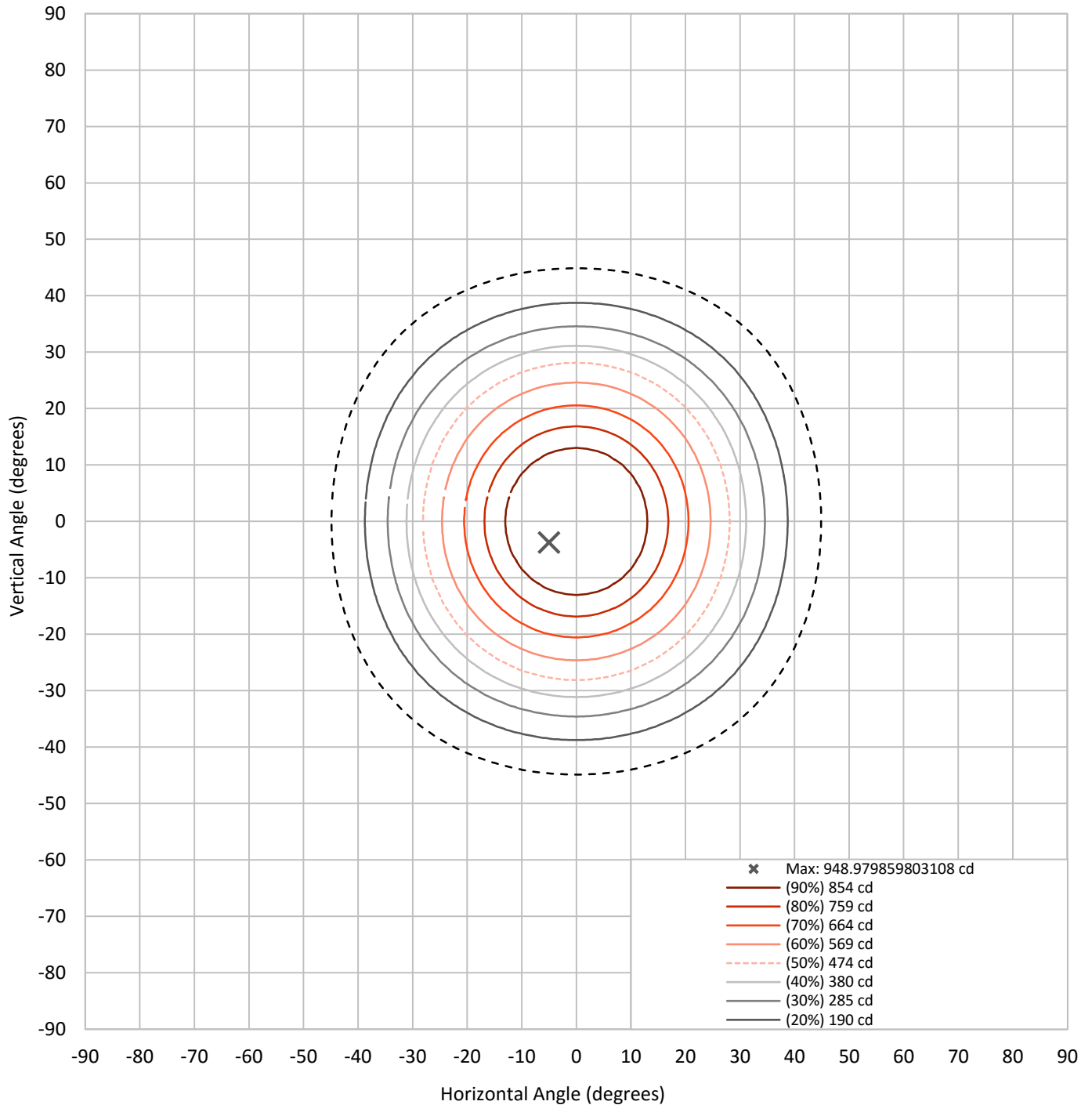
Test Method: LM-79-08
Report Number: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29412)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
WIDE FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	840.3 lumens	Max Intensity:	949 candela
Efficiency:	N/A	Max Intensity Angle:	-5°H x -3.75°V
Efficacy:	84.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	55.8°H x 55.5°V	Field Angle (10%):	89.6°H x 89.4°V
Beam Lumens:	522.2 lumens	Field Lumens:	785.1 lumens
Beam Efficiency:	62.1%	Field Efficiency:	93.4%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

Iso-Candela Plot





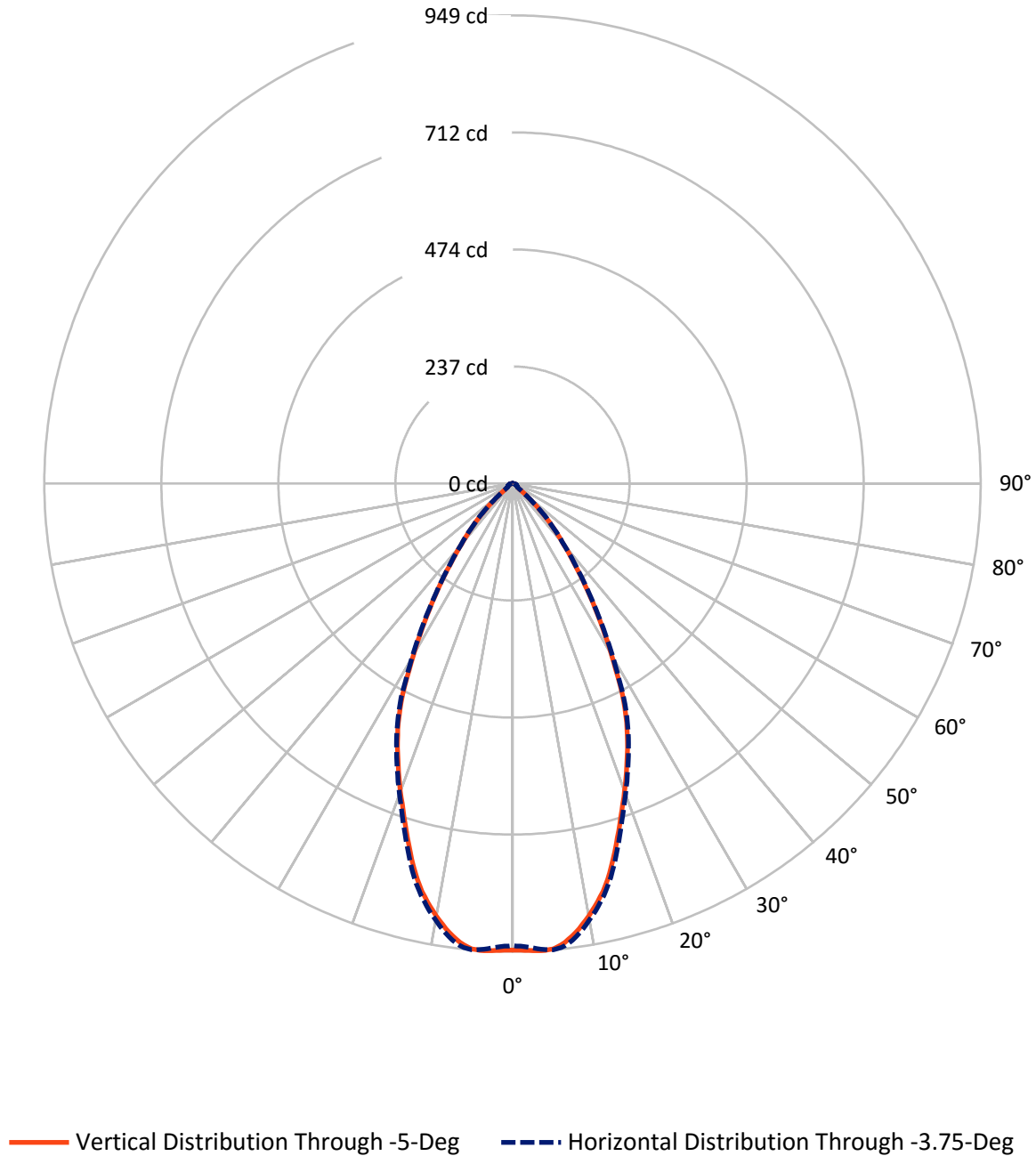
REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

Lumen Table

90																			
80	0.0	0.1		0.3		0.5		0.5		0.5		0.3		0.1		0.0			
70																			
60	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1			
50		0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1				
40	0.1	0.1	0.2	0.2	0.4	1.0	2.0	2.7	2.7	2.0	1.0	0.4	0.2	0.2	0.1	0.1			
30		0.1	0.2	0.3	1.4	3.8	6.3	8.1	8.1	6.3	3.8	1.4	0.3	0.2	0.1				
20	0.1	0.1	0.2	0.8	3.4	7.8	13.1	16.3	16.3	13.1	7.8	3.4	0.8	0.2	0.1	0.1			
10		0.1	0.2	1.5	5.4	12.3	19.1	23.6	23.6	19.1	12.3	5.4	1.5	0.2	0.1				
0	0.1	0.1	0.2	2.0	6.8	14.9	22.9	28.0	28.0	22.9	14.9	6.8	2.0	0.2	0.1	0.1			
-10		0.1	0.2	2.0	6.8	14.9	22.9	28.0	28.0	22.9	14.9	6.8	2.0	0.2	0.1				
-20	0.1	0.1	0.2	1.5	5.4	12.3	19.1	23.6	23.6	19.1	12.3	5.4	1.5	0.2	0.1	0.1			
-30		0.1	0.2	0.8	3.4	7.8	13.1	16.3	16.3	13.1	7.8	3.4	0.8	0.2	0.1				
-40	0.1	0.1	0.2	0.3	1.4	3.8	6.3	8.1	8.1	6.3	3.8	1.4	0.3	0.2	0.1	0.1			
-50		0.1	0.2	0.2	0.4	1.0	2.0	2.7	2.7	2.0	1.0	0.4	0.2	0.2	0.1				
-60	0.1	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.1	0.1			
-70		0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1				
-80																			
-90	0.0	0.1		0.3		0.5		0.5		0.5		0.3		0.1		0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

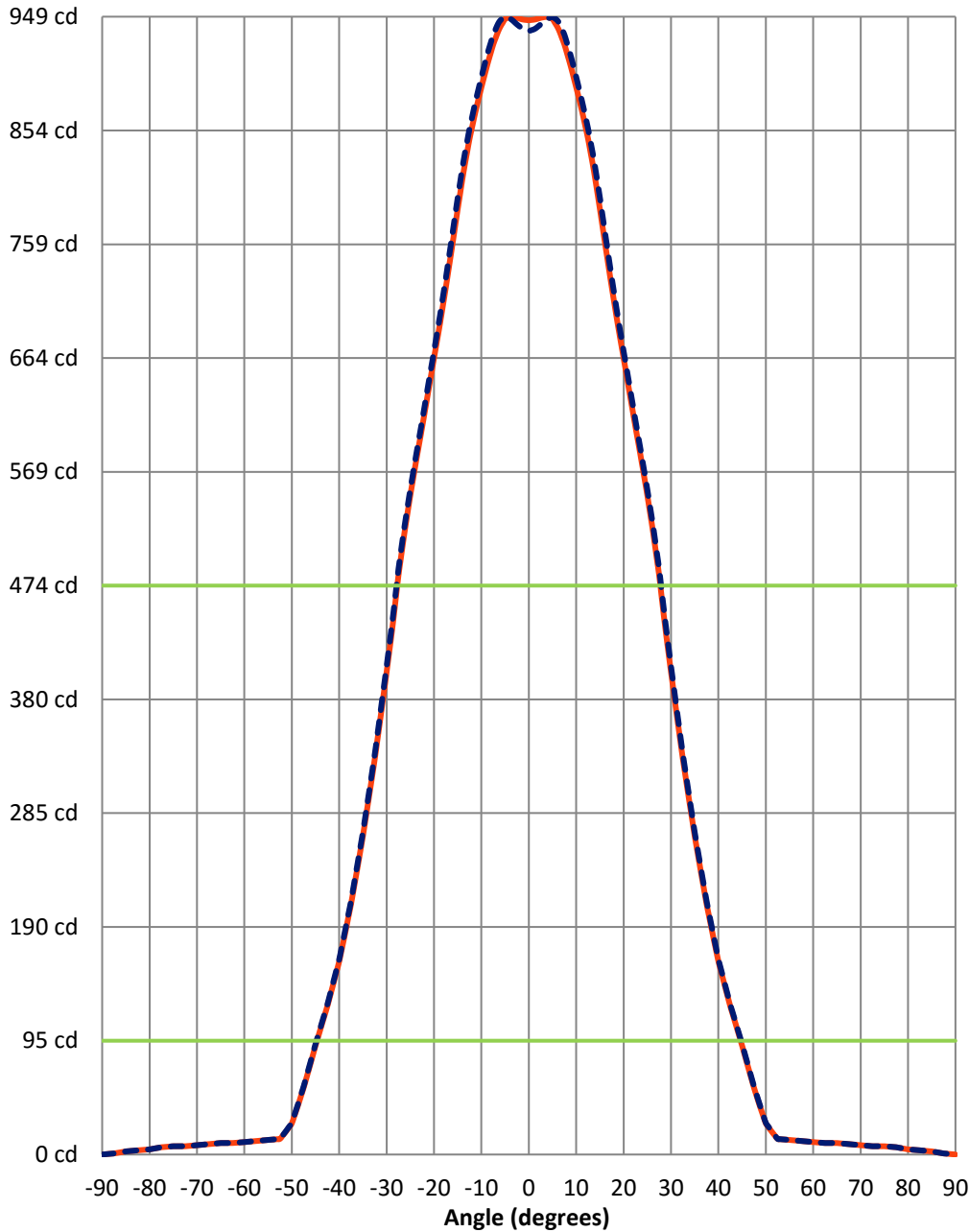
REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

Luminous Intensity Polar Plot



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

Luminous Intensity Plot



Beam:
 H Angle: 55.8°
 V Angle: 55.5°
 Lumens: 522.2
 Efficiency: 62.1%

Field:
 H Angle: 89.6°
 V Angle: 89.4°
 Lumens: 785.1
 Efficiency: 93.4%

Spill:
 Lumens: 55.3
 Efficiency: 6.6%

— Vertical Distribution through -5-Deg
 - - Horizontal Distribution through -3.75-Deg



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
85°	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.4	0.4
83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
81.25°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
80°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
78.75°	0.0	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9
77.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.2
75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	1.0	1.2	1.4
73.75°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.6
72.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.2	1.5	1.7
71.25°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.9
70°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.2	1.5	1.8	2.1
68.75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.3	1.7	2.0	2.3
67.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.1	1.5	1.8	2.1	2.4
66.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.2	1.6	1.9	2.3	2.6
65°	0.0	0.2	0.4	0.6	0.8	1.0	1.4	1.7	2.1	2.4	2.7
63.75°	0.0	0.2	0.4	0.6	0.8	1.1	1.5	1.8	2.2	2.6	2.8
62.5°	0.0	0.2	0.4	0.6	0.8	1.2	1.5	1.9	2.3	2.7	2.9
61.25°	0.0	0.2	0.4	0.6	0.9	1.2	1.6	2.1	2.5	2.7	3.0
60°	0.0	0.2	0.4	0.7	0.9	1.3	1.7	2.2	2.6	2.8	3.0
58.75°	0.0	0.2	0.5	0.7	1.0	1.4	1.8	2.3	2.7	2.9	3.1
57.5°	0.0	0.2	0.5	0.7	1.0	1.5	1.9	2.4	2.7	3.0	3.2
56.25°	0.0	0.2	0.5	0.7	1.1	1.6	2.0	2.5	2.8	3.0	3.3
55°	0.0	0.3	0.5	0.8	1.1	1.6	2.1	2.6	2.9	3.1	3.4
53.75°	0.0	0.3	0.5	0.8	1.2	1.7	2.2	2.7	2.9	3.2	3.4
52.5°	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.7	3.0	3.3	3.5
51.25°	0.0	0.3	0.6	0.8	1.3	1.9	2.4	2.8	3.0	3.3	3.6
50°	0.0	0.3	0.6	0.9	1.4	1.9	2.5	2.8	3.1	3.4	3.7
48.75°	0.0	0.3	0.6	0.9	1.4	2.0	2.6	2.9	3.2	3.5	3.7
47.5°	0.0	0.3	0.6	0.9	1.5	2.1	2.6	2.9	3.2	3.5	3.8
46.25°	0.0	0.3	0.6	1.0	1.5	2.1	2.7	3.0	3.3	3.6	3.9
45°	0.0	0.3	0.6	1.0	1.6	2.2	2.7	3.0	3.3	3.6	3.9
43.75°	0.0	0.3	0.7	1.0	1.7	2.3	2.7	3.1	3.4	3.7	4.0
42.5°	0.0	0.3	0.7	1.1	1.7	2.3	2.8	3.1	3.4	3.7	4.0
41.25°	0.0	0.3	0.7	1.1	1.8	2.4	2.8	3.2	3.5	3.8	4.1
40°	0.0	0.3	0.7	1.2	1.8	2.5	2.9	3.2	3.5	3.9	4.2
38.75°	0.0	0.4	0.7	1.2	1.9	2.5	2.9	3.3	3.6	3.9	4.2
37.5°	0.0	0.4	0.7	1.2	1.9	2.6	2.9	3.3	3.6	3.9	4.3
36.25°	0.0	0.4	0.7	1.3	1.9	2.6	3.0	3.3	3.7	4.0	4.3
35°	0.0	0.4	0.7	1.3	2.0	2.6	3.0	3.4	3.7	4.0	4.5



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.4	0.7	1.3	2.0	2.7	3.0	3.4	3.8	4.1	4.6
32.5°	0.0	0.4	0.8	1.4	2.1	2.7	3.1	3.5	3.8	4.1	4.7
31.25°	0.0	0.4	0.8	1.4	2.1	2.7	3.1	3.5	3.8	4.2	4.8
30°	0.0	0.4	0.8	1.4	2.1	2.7	3.1	3.5	3.9	4.2	4.9
28.75°	0.0	0.4	0.8	1.4	2.2	2.8	3.2	3.6	3.9	4.3	5.0
27.5°	0.0	0.4	0.8	1.5	2.2	2.8	3.2	3.6	3.9	4.3	5.1
26.25°	0.0	0.4	0.8	1.5	2.2	2.8	3.2	3.6	4.0	4.4	5.2
25°	0.0	0.4	0.8	1.5	2.3	2.8	3.2	3.6	4.0	4.4	5.2
23.75°	0.0	0.4	0.8	1.5	2.3	2.9	3.3	3.7	4.0	4.5	5.3
22.5°	0.0	0.4	0.8	1.6	2.3	2.9	3.3	3.7	4.1	4.6	5.4
21.25°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.6	5.5
20°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.7	5.5
18.75°	0.0	0.4	0.9	1.6	2.4	2.9	3.4	3.8	4.1	4.8	5.6
17.5°	0.0	0.4	0.9	1.6	2.4	2.9	3.4	3.8	4.2	4.8	5.7
16.25°	0.0	0.4	0.9	1.6	2.5	3.0	3.4	3.8	4.2	4.9	5.7
15°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	4.9	5.8
13.75°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.8
12.5°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.9
11.25°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.9
10°	0.0	0.4	0.9	1.7	2.5	3.0	3.5	3.9	4.3	5.1	6.0
8.75°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.1	6.0
7.5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.1	6.0
6.25°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.0
5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
3.75°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
2.5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
1.25°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
0°	0.0	0.4	0.9	1.8	2.6	3.1	3.5	3.9	4.3	5.2	6.1
-1.25°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
-2.5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
-3.75°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
-5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.1
-6.25°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.2	6.0
-7.5°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.1	6.0
-8.75°	0.0	0.4	0.9	1.7	2.6	3.0	3.5	3.9	4.3	5.1	6.0
-10°	0.0	0.4	0.9	1.7	2.5	3.0	3.5	3.9	4.3	5.1	6.0
-11.25°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.9
-12.5°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.9
-13.75°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	5.0	5.8
-15°	0.0	0.4	0.9	1.7	2.5	3.0	3.4	3.8	4.2	4.9	5.8
-16.25°	0.0	0.4	0.9	1.6	2.5	3.0	3.4	3.8	4.2	4.9	5.7
-17.5°	0.0	0.4	0.9	1.6	2.4	2.9	3.4	3.8	4.2	4.8	5.7
-18.75°	0.0	0.4	0.9	1.6	2.4	2.9	3.4	3.8	4.1	4.8	5.6
-20°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.7	5.5
-21.25°	0.0	0.4	0.8	1.6	2.4	2.9	3.3	3.7	4.1	4.6	5.5



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	5.3	6.0	6.4	6.7	6.9	6.9	6.9	7.3	7.6	8.0	8.4
32.5°	5.4	6.1	6.5	6.8	6.9	6.9	7.0	7.4	7.7	8.1	8.5
31.25°	5.5	6.2	6.5	6.9	6.9	6.9	7.1	7.5	7.9	8.2	8.6
30°	5.7	6.2	6.6	6.9	6.9	6.9	7.2	7.6	7.9	8.3	8.7
28.75°	5.8	6.3	6.6	6.9	6.9	6.9	7.3	7.7	8.0	8.4	8.8
27.5°	5.9	6.3	6.7	6.9	6.9	7.0	7.4	7.7	8.1	8.5	8.9
26.25°	6.0	6.4	6.8	6.9	6.9	7.0	7.4	7.8	8.2	8.6	9.0
25°	6.1	6.4	6.8	6.9	6.9	7.1	7.5	7.9	8.3	8.7	9.1
23.75°	6.1	6.5	6.8	6.9	6.9	7.2	7.6	8.0	8.4	8.8	9.2
22.5°	6.2	6.5	6.9	6.9	6.9	7.2	7.6	8.1	8.5	8.9	9.3
21.25°	6.2	6.6	6.9	6.9	6.9	7.3	7.7	8.1	8.5	9.0	9.4
20°	6.2	6.6	6.9	6.9	6.9	7.3	7.8	8.2	8.6	9.0	9.4
18.75°	6.3	6.6	6.9	6.9	7.0	7.4	7.8	8.2	8.7	9.1	9.5
17.5°	6.3	6.7	6.9	6.9	7.0	7.5	7.9	8.3	8.7	9.2	9.6
16.25°	6.3	6.7	6.9	6.9	7.1	7.5	7.9	8.4	8.8	9.2	9.6
15°	6.3	6.7	6.9	6.9	7.1	7.5	8.0	8.4	8.8	9.3	9.6
13.75°	6.4	6.8	6.9	6.9	7.1	7.6	8.0	8.5	8.9	9.3	9.6
12.5°	6.4	6.8	6.9	6.9	7.2	7.6	8.1	8.5	8.9	9.4	9.6
11.25°	6.4	6.8	6.9	6.9	7.2	7.7	8.1	8.5	9.0	9.4	9.6
10°	6.4	6.8	6.9	6.9	7.2	7.7	8.1	8.6	9.0	9.5	9.6
8.75°	6.4	6.8	6.9	6.9	7.3	7.7	8.2	8.6	9.0	9.5	9.6
7.5°	6.5	6.9	6.9	6.9	7.3	7.7	8.2	8.6	9.1	9.5	9.6
6.25°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.6	9.1	9.5	9.6
5°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
3.75°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
2.5°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
1.25°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
0°	6.5	6.9	6.9	6.9	7.4	7.8	8.3	8.7	9.2	9.6	9.6
-1.25°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
-2.5°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
-3.75°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
-5°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.7	9.1	9.6	9.6
-6.25°	6.5	6.9	6.9	6.9	7.3	7.8	8.2	8.6	9.1	9.5	9.6
-7.5°	6.5	6.9	6.9	6.9	7.3	7.7	8.2	8.6	9.1	9.5	9.6
-8.75°	6.4	6.8	6.9	6.9	7.3	7.7	8.2	8.6	9.0	9.5	9.6
-10°	6.4	6.8	6.9	6.9	7.2	7.7	8.1	8.6	9.0	9.5	9.6
-11.25°	6.4	6.8	6.9	6.9	7.2	7.7	8.1	8.5	9.0	9.4	9.6
-12.5°	6.4	6.8	6.9	6.9	7.2	7.6	8.1	8.5	8.9	9.4	9.6
-13.75°	6.4	6.8	6.9	6.9	7.1	7.6	8.0	8.5	8.9	9.3	9.6
-15°	6.3	6.7	6.9	6.9	7.1	7.5	8.0	8.4	8.8	9.3	9.6
-16.25°	6.3	6.7	6.9	6.9	7.1	7.5	7.9	8.4	8.8	9.2	9.6
-17.5°	6.3	6.7	6.9	6.9	7.0	7.5	7.9	8.3	8.7	9.2	9.6
-18.75°	6.3	6.6	6.9	6.9	7.0	7.4	7.8	8.2	8.7	9.1	9.5
-20°	6.2	6.6	6.9	6.9	6.9	7.3	7.8	8.2	8.6	9.0	9.4
-21.25°	6.2	6.6	6.9	6.9	6.9	7.3	7.7	8.1	8.5	9.0	9.4



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	6.2	6.5	6.9	6.9	6.9	7.2	7.6	8.1	8.5	8.9	9.3
-23.75°	6.1	6.5	6.8	6.9	6.9	7.2	7.6	8.0	8.4	8.8	9.2
-25°	6.1	6.4	6.8	6.9	6.9	7.1	7.5	7.9	8.3	8.7	9.1
-26.25°	6.0	6.4	6.8	6.9	6.9	7.0	7.4	7.8	8.2	8.6	9.0
-27.5°	5.9	6.3	6.7	6.9	6.9	7.0	7.4	7.7	8.1	8.5	8.9
-28.75°	5.8	6.3	6.6	6.9	6.9	6.9	7.3	7.7	8.0	8.4	8.8
-30°	5.7	6.2	6.6	6.9	6.9	6.9	7.2	7.6	7.9	8.3	8.7
-31.25°	5.5	6.2	6.5	6.9	6.9	6.9	7.1	7.5	7.9	8.2	8.6
-32.5°	5.4	6.1	6.5	6.8	6.9	6.9	7.0	7.4	7.7	8.1	8.5
-33.75°	5.3	6.0	6.4	6.7	6.9	6.9	6.9	7.3	7.6	8.0	8.4
-35°	5.2	5.9	6.3	6.7	6.9	6.9	6.9	7.2	7.5	7.9	8.2
-36.25°	5.1	5.8	6.3	6.6	6.9	6.9	6.9	7.1	7.4	7.8	8.1
-37.5°	4.9	5.6	6.2	6.5	6.8	6.9	6.9	7.0	7.3	7.7	8.0
-38.75°	4.8	5.5	6.1	6.4	6.7	6.9	6.9	6.9	7.2	7.5	7.9
-40°	4.7	5.3	6.0	6.4	6.7	6.9	6.9	6.9	7.1	7.4	7.7
-41.25°	4.5	5.2	5.8	6.3	6.6	6.9	6.9	6.9	6.9	7.3	7.6
-42.5°	4.4	5.0	5.7	6.2	6.5	6.8	6.9	6.9	6.9	7.1	7.5
-43.75°	4.3	4.9	5.5	6.1	6.4	6.7	6.9	6.9	6.9	7.0	7.3
-45°	4.2	4.7	5.3	5.9	6.3	6.6	6.9	6.9	6.9	6.9	7.2
-46.25°	4.1	4.5	5.1	5.7	6.2	6.5	6.7	6.9	6.9	6.9	7.0
-47.5°	4.1	4.4	4.9	5.5	6.1	6.4	6.6	6.9	6.9	6.9	6.9
-48.75°	4.0	4.2	4.8	5.3	5.9	6.3	6.5	6.8	6.9	6.9	6.9
-50°	3.9	4.2	4.6	5.1	5.7	6.2	6.4	6.7	6.9	6.9	6.9
-51.25°	3.8	4.1	4.4	4.9	5.5	6.0	6.3	6.5	6.8	6.9	6.9
-52.5°	3.8	4.0	4.2	4.7	5.2	5.8	6.2	6.4	6.6	6.9	6.9
-53.75°	3.7	3.9	4.1	4.5	5.0	5.5	6.0	6.3	6.5	6.7	6.9
-55°	3.6	3.8	4.1	4.3	4.7	5.2	5.7	6.2	6.4	6.6	6.8
-56.25°	3.5	3.7	4.0	4.2	4.5	5.0	5.5	5.9	6.2	6.4	6.7
-57.5°	3.4	3.7	3.9	4.1	4.3	4.7	5.2	5.6	6.1	6.3	6.5
-58.75°	3.3	3.6	3.8	4.0	4.2	4.5	4.9	5.3	5.8	6.2	6.3
-60°	3.3	3.5	3.7	3.9	4.1	4.3	4.6	5.0	5.5	5.9	6.2
-61.25°	3.2	3.4	3.6	3.8	3.9	4.1	4.3	4.7	5.1	5.5	5.9
-62.5°	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.8	5.2	5.6
-63.75°	3.0	3.2	3.4	3.5	3.7	3.9	4.1	4.2	4.5	4.9	5.2
-65°	2.9	3.1	3.2	3.4	3.6	3.8	3.9	4.1	4.2	4.5	4.9
-66.25°	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.5
-67.5°	2.7	2.8	3.0	3.2	3.3	3.5	3.7	3.8	3.9	4.1	4.2
-68.75°	2.6	2.7	2.9	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.1
-70°	2.4	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.8	3.9
-71.25°	2.2	2.4	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.7
-72.5°	2.0	2.2	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.5
-73.75°	1.8	2.0	2.3	2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.4
-75°	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.8	3.0	3.1	3.2
-76.25°	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.8	2.9	3.0
-77.5°	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.4	2.6	2.7	2.8



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.1	2.3	2.4	2.6
-80°	0.9	1.0	1.1	1.2	1.4	1.5	1.7	1.8	1.9	2.1	2.2
-81.25°	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.5	1.6	1.7	1.8
-82.5°	0.6	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.2	1.4	1.5
-83.75°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1
-85°	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8
-86.25°	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
-87.5°	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
86.25°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
85°	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
83.75°	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	1.9
82.5°	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
81.25°	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.8
80°	2.3	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.1
78.75°	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4
77.5°	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7
76.25°	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9
75°	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2
73.75°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.4	4.6
72.5°	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.5	4.7	4.9	5.1
71.25°	3.8	3.9	4.1	4.2	4.3	4.5	4.7	5.0	5.2	5.5	5.7
70°	4.0	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.8	6.0	6.2
68.75°	4.2	4.3	4.6	4.9	5.2	5.5	5.7	6.0	6.2	6.3	6.4
67.5°	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.3	6.4	6.5	6.7
66.25°	4.8	5.1	5.5	5.8	6.1	6.2	6.4	6.5	6.6	6.8	6.9
65°	5.2	5.5	5.9	6.2	6.3	6.4	6.6	6.7	6.9	6.9	6.9
63.75°	5.6	5.9	6.2	6.3	6.5	6.7	6.8	6.9	6.9	6.9	6.9
62.5°	6.0	6.2	6.4	6.5	6.7	6.9	6.9	6.9	6.9	6.9	6.9
61.25°	6.2	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9	7.1
60°	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	7.0	7.2	7.3
58.75°	6.5	6.7	6.9	6.9	6.9	6.9	6.9	7.0	7.2	7.4	7.6
57.5°	6.7	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9
56.25°	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9	8.1
55°	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	8.0	8.2	8.4
53.75°	6.9	6.9	6.9	7.0	7.3	7.5	7.7	8.0	8.2	8.4	8.6
52.5°	6.9	6.9	7.0	7.2	7.5	7.7	8.0	8.2	8.4	8.7	8.9
51.25°	6.9	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.1
50°	6.9	7.1	7.3	7.6	7.9	8.1	8.4	8.6	8.9	9.1	9.4
48.75°	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.9	9.1	9.4	9.6
47.5°	7.1	7.4	7.7	8.0	8.3	8.5	8.8	9.1	9.3	9.6	9.6
46.25°	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.3	9.6	9.6	9.6
45°	7.5	7.8	8.1	8.3	8.6	8.9	9.2	9.5	9.6	9.6	9.6
43.75°	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6	9.6	9.6	9.7
42.5°	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.6	9.6	9.6	9.9
41.25°	7.9	8.2	8.5	8.9	9.2	9.5	9.6	9.6	9.6	9.8	10.0
40°	8.1	8.4	8.7	9.0	9.3	9.6	9.6	9.6	9.7	10.0	10.2
38.75°	8.2	8.5	8.9	9.2	9.5	9.6	9.6	9.6	9.9	10.2	10.4
37.5°	8.3	8.7	9.0	9.3	9.6	9.6	9.6	9.8	10.0	10.3	10.6
36.25°	8.5	8.8	9.2	9.5	9.6	9.6	9.6	9.9	10.2	10.5	10.8
35°	8.6	9.0	9.3	9.6	9.6	9.6	9.8	10.1	10.4	10.7	11.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	8.7	9.1	9.4	9.6	9.6	9.6	9.9	10.2	10.5	10.9	11.2
32.5°	8.9	9.2	9.6	9.6	9.6	9.7	10.1	10.4	10.7	11.1	11.4
31.25°	9.0	9.3	9.6	9.6	9.6	9.9	10.2	10.5	10.9	11.2	11.6
30°	9.1	9.5	9.6	9.6	9.7	10.0	10.3	10.7	11.1	11.4	11.8
28.75°	9.2	9.6	9.6	9.6	9.8	10.1	10.5	10.8	11.2	11.6	11.9
27.5°	9.3	9.6	9.6	9.6	9.9	10.2	10.6	11.0	11.4	11.7	12.1
26.25°	9.4	9.6	9.6	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
25°	9.5	9.6	9.6	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4
23.75°	9.6	9.6	9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.5
22.5°	9.6	9.6	9.6	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7
21.25°	9.6	9.6	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8
20°	9.6	9.6	9.8	10.1	10.5	10.9	11.3	11.8	12.2	12.5	12.9
18.75°	9.6	9.6	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.6	13.0
17.5°	9.6	9.6	9.9	10.3	10.7	11.1	11.5	12.0	12.4	12.7	14.7
16.25°	9.6	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.4	12.8	16.4
15°	9.6	9.7	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.9	17.9
13.75°	9.6	9.7	10.1	10.5	10.9	11.4	11.8	12.2	12.6	13.0	19.3
12.5°	9.6	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.7	13.9	20.6
11.25°	9.6	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	15.1	21.8
10°	9.6	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	16.1	22.9
8.75°	9.6	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.8	17.0	23.8
7.5°	9.6	9.9	10.3	10.7	11.2	11.6	12.1	12.5	12.9	17.8	24.6
6.25°	9.6	9.9	10.3	10.8	11.2	11.7	12.1	12.5	12.9	18.4	25.3
5°	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.9	19.0	25.9
3.75°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.4	26.3
2.5°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.7	26.6
1.25°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.9	26.8
0°	9.6	10.0	10.4	10.9	11.3	11.8	12.2	12.6	13.0	20.0	26.9
-1.25°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.9	26.8
-2.5°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.7	26.6
-3.75°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	19.7	26.6
-5°	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.9	19.0	25.9
-6.25°	9.6	9.9	10.3	10.8	11.2	11.7	12.1	12.5	12.9	18.4	25.3
-7.5°	9.6	9.9	10.3	10.7	11.2	11.6	12.1	12.5	12.9	17.8	24.6
-8.75°	9.6	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.8	17.0	23.8
-10°	9.6	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	16.1	22.9
-11.25°	9.6	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	15.1	21.8
-12.5°	9.6	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.7	13.9	20.6
-13.75°	9.6	9.7	10.1	10.5	10.9	11.4	11.8	12.2	12.6	13.0	19.3
-15°	9.6	9.7	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.9	17.9
-16.25°	9.6	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.4	12.8	16.4
-17.5°	9.6	9.6	9.9	10.3	10.7	11.1	11.5	12.0	12.4	12.7	14.7
-18.75°	9.6	9.6	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.6	13.0
-20°	9.6	9.6	9.8	10.1	10.5	10.9	11.3	11.8	12.2	12.5	12.9
-21.25°	9.6	9.6	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	9.6	9.6	9.6	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7
-23.75°	9.6	9.6	9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.5
-25°	9.5	9.6	9.6	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4
-26.25°	9.4	9.6	9.6	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
-27.5°	9.3	9.6	9.6	9.6	9.9	10.2	10.6	11.0	11.4	11.7	12.1
-28.75°	9.2	9.6	9.6	9.6	9.8	10.1	10.5	10.8	11.2	11.6	11.9
-30°	9.1	9.5	9.6	9.6	9.7	10.0	10.3	10.7	11.1	11.4	11.8
-31.25°	9.0	9.3	9.6	9.6	9.6	9.9	10.2	10.5	10.9	11.2	11.6
-32.5°	8.9	9.2	9.6	9.6	9.6	9.7	10.1	10.4	10.7	11.1	11.4
-33.75°	8.7	9.1	9.4	9.6	9.6	9.6	9.9	10.2	10.5	10.9	11.2
-35°	8.6	9.0	9.3	9.6	9.6	9.6	9.8	10.1	10.4	10.7	11.0
-36.25°	8.5	8.8	9.2	9.5	9.6	9.6	9.6	9.9	10.2	10.5	10.8
-37.5°	8.3	8.7	9.0	9.3	9.6	9.6	9.6	9.8	10.0	10.3	10.6
-38.75°	8.2	8.5	8.9	9.2	9.5	9.6	9.6	9.6	9.9	10.2	10.4
-40°	8.1	8.4	8.7	9.0	9.3	9.6	9.6	9.6	9.7	10.0	10.2
-41.25°	7.9	8.2	8.5	8.9	9.2	9.5	9.6	9.6	9.6	9.8	10.0
-42.5°	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.6	9.6	9.6	9.9
-43.75°	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.6	9.6	9.6	9.7
-45°	7.5	7.8	8.1	8.3	8.6	8.9	9.2	9.5	9.6	9.6	9.6
-46.25°	7.3	7.6	7.9	8.2	8.5	8.7	9.0	9.3	9.6	9.6	9.6
-47.5°	7.1	7.4	7.7	8.0	8.3	8.5	8.8	9.1	9.3	9.6	9.6
-48.75°	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.9	9.1	9.4	9.6
-50°	6.9	7.1	7.3	7.6	7.9	8.1	8.4	8.6	8.9	9.1	9.4
-51.25°	6.9	6.9	7.2	7.4	7.7	7.9	8.2	8.4	8.7	8.9	9.1
-52.5°	6.9	6.9	7.0	7.2	7.5	7.7	8.0	8.2	8.4	8.7	8.9
-53.75°	6.9	6.9	6.9	7.0	7.3	7.5	7.7	8.0	8.2	8.4	8.6
-55°	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	8.0	8.2	8.4
-56.25°	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9	8.1
-57.5°	6.7	6.9	6.9	6.9	6.9	6.9	7.1	7.3	7.5	7.7	7.9
-58.75°	6.5	6.7	6.9	6.9	6.9	6.9	6.9	7.0	7.2	7.4	7.6
-60°	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	7.0	7.2	7.3
-61.25°	6.2	6.4	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9	7.1
-62.5°	6.0	6.2	6.4	6.5	6.7	6.9	6.9	6.9	6.9	6.9	6.9
-63.75°	5.6	5.9	6.2	6.3	6.5	6.7	6.8	6.9	6.9	6.9	6.9
-65°	5.2	5.5	5.9	6.2	6.3	6.4	6.6	6.7	6.9	6.9	6.9
-66.25°	4.8	5.1	5.5	5.8	6.1	6.2	6.4	6.5	6.6	6.8	6.9
-67.5°	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.3	6.4	6.5	6.7
-68.75°	4.2	4.3	4.6	4.9	5.2	5.5	5.7	6.0	6.2	6.3	6.4
-70°	4.0	4.1	4.3	4.5	4.7	5.0	5.2	5.5	5.8	6.0	6.2
-71.25°	3.8	3.9	4.1	4.2	4.3	4.5	4.7	5.0	5.2	5.5	5.7
-72.5°	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.5	4.7	4.9	5.1
-73.75°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.4	4.6
-75°	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.1	4.2
-76.25°	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.8	3.8	3.9
-77.5°	2.9	3.0	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.4
-80°	2.3	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.1
-81.25°	1.9	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.8
-82.5°	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-83.75°	1.2	1.2	1.3	1.4	1.5	1.6	1.6	1.7	1.8	1.9	1.9
-85°	0.8	0.9	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
-86.25°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
85°	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	1.9
83.75°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
82.5°	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
81.25°	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3
80°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7
78.75°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.9	4.0
77.5°	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3
76.25°	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1
75°	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.8
73.75°	4.8	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2	6.3
72.5°	5.3	5.5	5.7	5.9	6.1	6.2	6.3	6.4	6.4	6.5	6.6
71.25°	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9
70°	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	6.9	6.9
68.75°	6.5	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
67.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.1
66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.2	7.3	7.4
65°	6.9	6.9	6.9	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8
63.75°	6.9	6.9	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.1
62.5°	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.3	8.5
61.25°	7.3	7.4	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.7	8.8
60°	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.9	9.0	9.2
58.75°	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.5
57.5°	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.6
56.25°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6	9.6	9.6	9.6
55°	8.6	8.8	9.0	9.2	9.4	9.6	9.6	9.6	9.6	9.6	9.6
53.75°	8.9	9.1	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.8	9.9
52.5°	9.1	9.3	9.6	9.6	9.6	9.6	9.6	9.7	9.9	10.0	10.2
51.25°	9.4	9.6	9.6	9.6	9.6	9.6	9.8	10.0	10.2	10.3	10.5
50°	9.6	9.6	9.6	9.6	9.7	9.9	10.0	10.2	10.4	10.6	10.8
48.75°	9.6	9.6	9.6	9.7	9.9	10.1	10.3	10.5	10.7	11.0	11.2
47.5°	9.6	9.6	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.3	11.5
46.25°	9.6	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8
45°	9.7	9.9	10.2	10.4	10.7	10.9	11.2	11.4	11.6	11.9	12.1
43.75°	9.9	10.1	10.4	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
42.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.2	12.5	12.7
41.25°	10.3	10.6	10.9	11.2	11.4	11.7	12.0	12.3	12.5	12.7	12.9
40°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.7	13.0	16.6
38.75°	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	17.0	21.2
37.5°	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	17.0	21.4	25.7
36.25°	11.2	11.5	11.8	12.1	12.4	12.7	12.9	16.6	21.2	25.7	34.0
35°	11.4	11.7	12.0	12.3	12.6	12.9	15.9	20.6	25.3	33.6	43.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	11.6	11.9	12.2	12.5	12.8	14.7	19.6	24.5	32.2	42.8	53.3
32.5°	11.8	12.1	12.4	12.7	13.2	18.3	23.3	30.0	41.0	51.9	63.3
31.25°	12.0	12.3	12.6	12.9	16.5	21.7	26.9	38.3	49.6	61.1	73.7
30°	12.1	12.5	12.8	14.5	19.8	25.1	34.7	46.4	58.0	71.0	83.8
28.75°	12.3	12.6	12.9	17.5	23.0	30.3	42.4	54.3	67.3	80.6	93.7
27.5°	12.5	12.8	14.9	20.5	26.1	37.4	49.8	62.5	76.3	89.9	102.6
26.25°	12.6	12.9	17.6	23.3	31.7	44.4	57.0	71.0	85.0	98.6	111.3
25°	12.7	14.4	20.3	26.1	38.1	51.0	64.7	79.1	93.5	106.7	119.7
23.75°	12.9	16.9	22.8	31.1	44.3	57.5	72.2	87.0	101.0	114.5	127.9
22.5°	13.2	19.2	25.3	36.8	50.2	64.4	79.5	94.5	108.3	122.0	136.9
21.25°	15.3	21.5	28.5	42.2	55.9	71.1	86.5	101.2	115.2	129.6	145.6
20°	17.4	23.6	33.5	47.4	61.8	77.5	93.1	107.6	121.9	137.5	153.9
18.75°	19.3	25.6	38.2	52.4	67.6	83.5	99.0	113.6	128.4	145.1	161.7
17.5°	21.1	28.3	42.7	57.0	73.1	89.3	104.5	119.4	135.3	152.3	170.5
16.25°	22.9	32.4	46.9	61.8	78.3	94.6	109.7	124.7	141.8	159.1	179.6
15°	24.5	36.1	50.8	66.5	83.1	99.2	114.5	130.3	147.9	165.5	188.1
13.75°	25.9	39.6	54.4	70.7	87.5	103.5	119.0	135.7	153.5	173.1	196.1
12.5°	27.8	42.8	57.7	74.7	91.7	107.5	123.2	140.7	158.7	180.2	203.4
11.25°	30.5	45.7	61.1	78.3	95.3	111.1	127.0	145.2	163.4	186.6	210.1
10°	33.0	48.3	64.2	81.5	98.4	114.4	130.9	149.3	168.5	192.4	216.4
8.75°	35.3	50.6	67.0	84.4	101.2	117.3	134.4	153.0	173.5	197.5	222.8
7.5°	37.2	52.6	69.3	86.8	103.6	119.8	137.4	156.1	177.8	202.0	228.3
6.25°	38.8	54.3	71.4	89.0	105.6	121.9	140.0	158.8	181.4	205.8	232.9
5°	40.2	55.7	73.0	90.7	107.3	123.7	142.1	161.0	184.4	209.0	236.8
3.75°	41.2	56.8	74.3	92.1	108.6	125.0	143.8	162.8	186.8	211.4	239.8
2.5°	42.0	57.6	75.3	93.0	109.5	126.0	145.0	164.0	188.5	213.2	242.0
1.25°	42.4	58.0	75.8	93.6	110.1	126.6	145.7	164.8	189.5	214.2	243.3
0°	42.6	58.2	76.0	93.8	110.3	126.8	145.9	165.0	189.8	214.6	243.7
-1.25°	42.4	58.0	75.8	93.6	110.1	126.6	145.7	164.8	189.5	214.2	243.3
-2.5°	42.0	57.6	75.3	93.0	109.5	126.0	145.0	164.0	188.5	213.2	242.0
-3.75°	41.2	56.8	74.3	92.1	108.6	125.0	143.8	162.8	186.8	211.4	239.8
-5°	40.2	55.7	73.0	90.7	107.3	123.7	142.1	161.0	184.4	209.0	236.8
-6.25°	38.8	54.3	71.4	89.0	105.6	121.9	140.0	158.8	181.4	205.8	232.9
-7.5°	37.2	52.6	69.3	86.8	103.6	119.8	137.4	156.1	177.8	202.0	228.3
-8.75°	35.3	50.6	67.0	84.4	101.2	117.3	134.4	153.0	173.5	197.5	222.8
-10°	33.0	48.3	64.2	81.5	98.4	114.4	130.9	149.3	168.5	192.4	216.4
-11.25°	30.5	45.7	61.1	78.3	95.3	111.1	127.0	145.2	163.4	186.6	210.1
-12.5°	27.8	42.8	57.7	74.7	91.7	107.5	123.2	140.7	158.7	180.2	203.4
-13.75°	25.9	39.6	54.4	70.7	87.5	103.5	119.0	135.7	153.5	173.1	196.1
-15°	24.5	36.1	50.8	66.5	83.1	99.2	114.5	130.3	147.9	165.5	188.1
-16.25°	22.9	32.4	46.9	61.8	78.3	94.6	109.7	124.7	141.8	159.1	179.6
-17.5°	21.1	28.3	42.7	57.0	73.1	89.3	104.5	119.4	135.3	152.3	170.5
-18.75°	19.3	25.6	38.2	52.4	67.6	83.5	99.0	113.6	128.4	145.1	161.7
-20°	17.4	23.6	33.5	47.4	61.8	77.5	93.1	107.6	121.9	137.5	153.9
-21.25°	15.3	21.5	28.5	42.2	55.9	71.1	86.5	101.2	115.2	129.6	145.6



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	13.2	19.2	25.3	36.8	50.2	64.4	79.5	94.5	108.3	122.0	136.9
-23.75°	12.9	16.9	22.8	31.1	44.3	57.5	72.2	87.0	101.0	114.5	127.9
-25°	12.7	14.4	20.3	26.1	38.1	51.0	64.7	79.1	93.5	106.7	119.7
-26.25°	12.6	12.9	17.6	23.3	31.7	44.4	57.0	71.0	85.0	98.6	111.3
-27.5°	12.5	12.8	14.9	20.5	26.1	37.4	49.8	62.5	76.3	89.9	102.6
-28.75°	12.3	12.6	12.9	17.5	23.0	30.3	42.4	54.3	67.3	80.6	93.7
-30°	12.1	12.5	12.8	14.5	19.8	25.1	34.7	46.4	58.0	71.0	83.8
-31.25°	12.0	12.3	12.6	12.9	16.5	21.7	26.9	38.3	49.6	61.1	73.7
-32.5°	11.8	12.1	12.4	12.7	13.2	18.3	23.3	30.0	41.0	51.9	63.3
-33.75°	11.6	11.9	12.2	12.5	12.8	14.7	19.6	24.5	32.2	42.8	53.3
-35°	11.4	11.7	12.0	12.3	12.6	12.9	15.9	20.6	25.3	33.6	43.7
-36.25°	11.2	11.5	11.8	12.1	12.4	12.7	12.9	16.6	21.2	25.7	34.0
-37.5°	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	17.0	21.4	25.7
-38.75°	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	17.0	21.2
-40°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.7	13.0	16.6
-41.25°	10.3	10.6	10.9	11.2	11.4	11.7	12.0	12.3	12.5	12.7	12.9
-42.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.2	12.5	12.7
-43.75°	9.9	10.1	10.4	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
-45°	9.7	9.9	10.2	10.4	10.7	10.9	11.2	11.4	11.6	11.9	12.1
-46.25°	9.6	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8
-47.5°	9.6	9.6	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.3	11.5
-48.75°	9.6	9.6	9.6	9.7	9.9	10.1	10.3	10.5	10.7	11.0	11.2
-50°	9.6	9.6	9.6	9.6	9.7	9.9	10.0	10.2	10.4	10.6	10.8
-51.25°	9.4	9.6	9.6	9.6	9.6	9.6	9.8	10.0	10.2	10.3	10.5
-52.5°	9.1	9.3	9.6	9.6	9.6	9.6	9.6	9.7	9.9	10.0	10.2
-53.75°	8.9	9.1	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.8	9.9
-55°	8.6	8.8	9.0	9.2	9.4	9.6	9.6	9.6	9.6	9.6	9.6
-56.25°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.6	9.6	9.6	9.6
-57.5°	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.3	9.5	9.6	9.6
-58.75°	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.5
-60°	7.5	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.9	9.0	9.2
-61.25°	7.3	7.4	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.7	8.8
-62.5°	7.0	7.1	7.3	7.5	7.6	7.8	7.9	8.1	8.2	8.3	8.5
-63.75°	6.9	6.9	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0	8.1
-65°	6.9	6.9	6.9	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8
-66.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.1	7.2	7.3	7.4
-67.5°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.1
-68.75°	6.5	6.6	6.7	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-70°	6.3	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	6.9	6.9
-71.25°	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9
-72.5°	5.3	5.5	5.7	5.9	6.1	6.2	6.3	6.4	6.4	6.5	6.6
-73.75°	4.8	4.9	5.1	5.3	5.5	5.7	5.8	6.0	6.1	6.2	6.3
-75°	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.6	5.8
-76.25°	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1
-77.5°	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	3.9	4.0
-80°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.7
-81.25°	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3
-82.5°	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
-83.75°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
-85°	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	1.9
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6
85°	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
83.75°	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9
82.5°	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3
81.25°	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7
80°	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1
78.75°	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.6
77.5°	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4
76.25°	5.2	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.1	6.2
75°	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.5
73.75°	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.8	6.8	6.8	6.9
72.5°	6.7	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
71.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.1	7.2	7.2
68.75°	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.6
67.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.1
66.25°	7.5	7.6	7.7	7.9	7.9	8.0	8.1	8.2	8.3	8.4	8.5
65°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
63.75°	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3
62.5°	8.6	8.7	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.6
61.25°	9.0	9.1	9.2	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.6
60°	9.3	9.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
58.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	9.9	10.0
57.5°	9.6	9.6	9.6	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
56.25°	9.6	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7
55°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.7	10.9	11.0	11.1
53.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5
52.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
51.25°	10.7	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.2	12.3
50°	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.3	12.4	12.5	12.7
48.75°	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.6	12.7	12.9	13.2
47.5°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	14.4	16.9	19.2
46.25°	12.0	12.2	12.4	12.6	12.8	12.9	14.9	17.6	20.3	22.8	25.3
45°	12.3	12.5	12.7	12.9	14.5	17.5	20.5	23.3	26.1	31.1	36.8
43.75°	12.6	12.8	13.2	16.5	19.8	23.0	26.1	31.7	38.1	44.3	50.2
42.5°	12.9	14.7	18.3	21.7	25.1	30.3	37.4	44.4	51.0	57.5	64.4
41.25°	15.9	19.6	23.3	26.9	34.7	42.4	49.8	57.0	64.7	72.2	79.5
40°	20.6	24.5	30.0	38.3	46.4	54.3	62.5	71.0	79.1	87.0	94.5
38.75°	25.3	32.2	41.0	49.6	58.0	67.3	76.3	85.0	93.5	101.0	108.3
37.5°	33.6	42.8	51.9	61.1	71.0	80.6	89.9	98.6	106.7	114.5	122.0
36.25°	43.7	53.3	63.3	73.7	83.8	93.7	102.6	111.3	119.7	127.9	136.9
35°	53.8	64.3	75.3	86.0	96.3	105.7	114.9	123.9	133.5	143.2	152.5



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	64.3	75.8	87.1	97.8	107.8	117.6	127.1	137.8	148.2	158.2	168.8
32.5°	75.3	87.1	98.3	108.8	119.1	129.6	140.9	152.0	162.7	175.5	188.5
31.25°	86.0	97.8	108.8	119.7	130.8	142.8	154.5	166.2	180.6	194.6	208.1
30°	96.3	107.8	119.1	130.8	143.5	155.8	168.8	184.1	198.9	213.3	229.5
28.75°	105.7	117.6	129.6	142.8	155.8	169.6	185.8	201.5	217.3	234.8	251.7
27.5°	114.9	127.1	140.9	154.5	168.8	185.8	202.4	219.4	238.0	256.1	273.7
26.25°	123.9	137.8	152.0	166.2	184.1	201.5	219.4	239.1	258.2	277.5	298.0
25°	133.5	148.2	162.7	180.6	198.9	217.3	238.0	258.2	278.7	300.6	321.9
23.75°	143.2	158.2	175.5	194.6	213.3	234.8	256.1	277.5	300.6	323.2	346.0
22.5°	152.5	168.8	188.5	208.1	229.5	251.7	273.7	298.0	321.9	346.0	371.7
21.25°	161.5	180.9	201.1	222.1	245.3	268.1	292.9	317.9	342.9	370.1	396.7
20°	171.6	192.4	213.1	236.8	260.4	285.3	311.4	337.1	365.4	393.5	421.2
18.75°	182.2	203.4	226.2	250.7	275.2	302.3	329.1	357.7	387.1	416.0	445.7
17.5°	192.3	213.9	239.0	264.0	290.9	318.6	347.0	377.6	407.8	438.6	472.5
16.25°	201.8	225.4	251.1	277.0	305.7	334.1	365.2	396.6	428.2	462.2	495.0
15°	210.7	236.3	262.4	290.4	319.6	349.9	382.4	414.5	448.1	484.6	514.6
13.75°	219.7	246.4	273.0	302.9	332.7	365.3	398.4	432.1	469.1	502.8	531.9
12.5°	228.7	255.8	284.1	314.5	345.5	379.6	413.4	448.9	487.2	518.8	547.0
11.25°	236.9	264.3	294.2	325.1	358.1	392.7	427.7	466.1	502.1	533.0	560.5
10°	244.3	272.1	303.4	334.7	369.4	404.6	440.7	481.5	515.1	545.1	572.5
8.75°	250.9	279.8	311.6	343.8	379.6	415.3	453.5	493.0	526.2	555.7	583.2
7.5°	256.6	286.6	318.7	352.3	388.4	425.0	465.1	503.2	536.0	564.8	592.4
6.25°	261.5	292.4	324.8	359.5	396.0	433.3	475.1	511.7	543.6	572.6	600.2
5°	265.6	297.2	329.8	365.5	402.3	440.2	482.9	518.3	549.8	578.9	606.7
3.75°	268.7	301.0	333.7	370.1	407.2	445.7	488.2	523.4	554.7	584.0	612.0
2.5°	271.0	303.6	336.5	373.5	410.7	450.1	492.1	527.1	558.3	587.5	615.8
1.25°	272.3	305.3	338.2	375.5	412.8	452.7	494.4	529.3	560.4	589.6	618.1
0°	272.8	305.8	338.8	376.2	413.5	453.6	495.2	530.1	561.1	590.3	618.9
-1.25°	272.3	305.3	338.2	375.5	412.8	452.7	494.4	529.3	560.4	589.6	618.1
-2.5°	271.0	303.6	336.5	373.5	410.7	450.1	492.1	527.1	558.3	587.5	615.8
-3.75°	268.7	301.0	333.7	370.1	407.2	445.7	488.2	523.4	554.7	584.0	612.0
-5°	265.6	297.2	329.8	365.5	402.3	440.2	482.9	518.3	549.8	578.9	606.7
-6.25°	261.5	292.4	324.8	359.5	396.0	433.3	475.1	511.7	543.6	572.6	600.2
-7.5°	256.6	286.6	318.7	352.3	388.4	425.0	465.1	503.2	536.0	564.8	592.4
-8.75°	250.9	279.8	311.6	343.8	379.6	415.3	453.5	493.0	526.2	555.7	583.2
-10°	244.3	272.1	303.4	334.7	369.4	404.6	440.7	481.5	515.1	545.1	572.5
-11.25°	236.9	264.3	294.2	325.1	358.1	392.7	427.7	466.1	502.1	533.0	560.5
-12.5°	228.7	255.8	284.1	314.5	345.5	379.6	413.4	448.9	487.2	518.8	547.0
-13.75°	219.7	246.4	273.0	302.9	332.7	365.3	398.4	432.1	469.1	502.8	531.9
-15°	210.7	236.3	262.4	290.4	319.6	349.9	382.4	414.5	448.1	484.6	514.6
-16.25°	201.8	225.4	251.1	277.0	305.7	334.1	365.2	396.6	428.2	462.2	495.0
-17.5°	192.3	213.9	239.0	264.0	290.9	318.6	347.0	377.6	407.8	438.6	472.5
-18.75°	182.2	203.4	226.2	250.7	275.2	302.3	329.1	357.7	387.1	416.0	445.7
-20°	171.6	192.4	213.1	236.8	260.4	285.3	311.4	337.1	365.4	393.5	421.2
-21.25°	161.5	180.9	201.1	222.1	245.3	268.1	292.9	317.9	342.9	370.1	396.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	152.5	168.8	188.5	208.1	229.5	251.7	273.7	298.0	321.9	346.0	371.7
-23.75°	143.2	158.2	175.5	194.6	213.3	234.8	256.1	277.5	300.6	323.2	346.0
-25°	133.5	148.2	162.7	180.6	198.9	217.3	238.0	258.2	278.7	300.6	321.9
-26.25°	123.9	137.8	152.0	166.2	184.1	201.5	219.4	239.1	258.2	277.5	298.0
-27.5°	114.9	127.1	140.9	154.5	168.8	185.8	202.4	219.4	238.0	256.1	273.7
-28.75°	105.7	117.6	129.6	142.8	155.8	169.6	185.8	201.5	217.3	234.8	251.7
-30°	96.3	107.8	119.1	130.8	143.5	155.8	168.8	184.1	198.9	213.3	229.5
-31.25°	86.0	97.8	108.8	119.7	130.8	142.8	154.5	166.2	180.6	194.6	208.1
-32.5°	75.3	87.1	98.3	108.8	119.1	129.6	140.9	152.0	162.7	175.5	188.5
-33.75°	64.3	75.8	87.1	97.8	107.8	117.6	127.1	137.8	148.2	158.2	168.8
-35°	53.8	64.3	75.3	86.0	96.3	105.7	114.9	123.9	133.5	143.2	152.5
-36.25°	43.7	53.3	63.3	73.7	83.8	93.7	102.6	111.3	119.7	127.9	136.9
-37.5°	33.6	42.8	51.9	61.1	71.0	80.6	89.9	98.6	106.7	114.5	122.0
-38.75°	25.3	32.2	41.0	49.6	58.0	67.3	76.3	85.0	93.5	101.0	108.3
-40°	20.6	24.5	30.0	38.3	46.4	54.3	62.5	71.0	79.1	87.0	94.5
-41.25°	15.9	19.6	23.3	26.9	34.7	42.4	49.8	57.0	64.7	72.2	79.5
-42.5°	12.9	14.7	18.3	21.7	25.1	30.3	37.4	44.4	51.0	57.5	64.4
-43.75°	12.6	12.8	13.2	16.5	19.8	23.0	26.1	31.7	38.1	44.3	50.2
-45°	12.3	12.5	12.7	12.9	14.5	17.5	20.5	23.3	26.1	31.1	36.8
-46.25°	12.0	12.2	12.4	12.6	12.8	12.9	14.9	17.6	20.3	22.8	25.3
-47.5°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	14.4	16.9	19.2
-48.75°	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.6	12.7	12.9	13.2
-50°	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.3	12.4	12.5	12.7
-51.25°	10.7	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.2	12.3
-52.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
-53.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5
-55°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.7	10.9	11.0	11.1
-56.25°	9.6	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7
-57.5°	9.6	9.6	9.6	9.6	9.7	9.8	9.9	10.0	10.1	10.2	10.3
-58.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	9.9	10.0
-60°	9.3	9.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-61.25°	9.0	9.1	9.2	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.6
-62.5°	8.6	8.7	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.6
-63.75°	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3
-65°	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-66.25°	7.5	7.6	7.7	7.9	7.9	8.0	8.1	8.2	8.3	8.4	8.5
-67.5°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.9	8.0	8.1
-68.75°	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.5	7.6	7.6
-70°	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.1	7.2	7.2
-71.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-72.5°	6.7	6.7	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-73.75°	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.8	6.8	6.8	6.9
-75°	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.5	6.5
-76.25°	5.2	5.3	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.1	6.2
-77.5°	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.6
-80°	3.7	3.8	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.1
-81.25°	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7
-82.5°	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.3	3.3
-83.75°	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.9
-85°	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3
-86.25°	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6
-87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7
85°	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6
83.75°	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5
81.25°	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
80°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3
78.75°	4.6	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1
77.5°	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0
76.25°	6.2	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4
75°	6.6	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8
73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
71.25°	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3
70°	7.3	7.3	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7
68.75°	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.2
67.5°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.6
66.25°	8.5	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.0
65°	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
63.75°	9.4	9.4	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
61.25°	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9
60°	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.2	10.3
58.75°	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7
57.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.1
56.25°	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5	11.6
55°	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0
53.75°	11.6	11.8	11.9	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4
52.5°	12.0	12.2	12.3	12.4	12.4	12.5	12.6	12.7	12.7	12.8	12.8
51.25°	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.9	15.1	16.1	17.0
50°	12.8	12.9	13.0	14.7	16.4	17.9	19.3	20.6	21.8	22.9	23.8
48.75°	15.3	17.4	19.3	21.1	22.9	24.5	25.9	27.8	30.5	33.0	35.3
47.5°	21.5	23.6	25.6	28.3	32.4	36.1	39.6	42.8	45.7	48.3	50.6
46.25°	28.5	33.5	38.2	42.7	46.9	50.8	54.4	57.7	61.1	64.2	67.0
45°	42.2	47.4	52.4	57.0	61.8	66.5	70.7	74.7	78.3	81.5	84.4
43.75°	55.9	61.8	67.6	73.1	78.3	83.1	87.5	91.7	95.3	98.4	101.2
42.5°	71.1	77.5	83.5	89.3	94.6	99.2	103.5	107.5	111.1	114.4	117.3
41.25°	86.5	93.1	99.0	104.5	109.7	114.5	119.0	123.2	127.0	130.9	134.4
40°	101.2	107.6	113.6	119.4	124.7	130.3	135.7	140.7	145.2	149.3	153.0
38.75°	115.2	121.9	128.4	135.3	141.8	147.9	153.5	158.7	163.4	168.5	173.5
37.5°	129.6	137.5	145.1	152.3	159.1	165.5	173.1	180.2	186.6	192.4	197.5
36.25°	145.6	153.9	161.7	170.5	179.6	188.1	196.1	203.4	210.1	216.4	222.8
35°	161.5	171.6	182.2	192.3	201.8	210.7	219.7	228.7	236.9	244.3	250.9



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	180.9	192.4	203.4	213.9	225.4	236.3	246.4	255.8	264.3	272.1	279.8
32.5°	201.1	213.1	226.2	239.0	251.1	262.4	273.0	284.1	294.2	303.4	311.6
31.25°	222.1	236.8	250.7	264.0	277.0	290.4	302.9	314.5	325.1	334.7	343.8
30°	245.3	260.4	275.2	290.9	305.7	319.6	332.7	345.5	358.1	369.4	379.6
28.75°	268.1	285.3	302.3	318.6	334.1	349.9	365.3	379.6	392.7	404.6	415.3
27.5°	292.9	311.4	329.1	347.0	365.2	382.4	398.4	413.4	427.7	440.7	453.5
26.25°	317.9	337.1	357.7	377.6	396.6	414.5	432.1	448.9	466.1	481.5	493.0
25°	342.9	365.4	387.1	407.8	428.2	448.1	469.1	487.2	502.1	515.1	526.2
23.75°	370.1	393.5	416.0	438.6	462.2	484.6	502.8	518.8	533.0	545.1	555.7
22.5°	396.7	421.2	445.7	472.5	495.0	514.6	531.9	547.0	560.5	572.5	583.2
21.25°	422.9	449.7	478.7	502.0	522.8	541.4	557.8	572.7	586.4	598.5	609.5
20°	449.7	480.7	505.5	527.7	547.5	565.5	582.0	597.1	611.1	624.3	636.5
18.75°	478.7	505.5	529.4	550.6	570.1	588.2	604.8	621.0	636.4	651.0	663.4
17.5°	502.0	527.7	550.6	571.6	591.2	609.7	627.7	645.4	661.6	675.8	689.6
16.25°	522.8	547.5	570.1	591.2	611.3	631.2	650.9	668.5	685.4	701.7	717.5
15°	541.4	565.5	588.2	609.7	631.2	652.8	672.1	691.3	710.4	728.9	746.4
13.75°	557.8	582.0	604.8	627.7	650.9	672.1	693.3	714.9	736.1	756.4	775.7
12.5°	572.7	597.1	621.0	645.4	668.5	691.3	714.9	738.5	761.7	783.9	804.4
11.25°	586.4	611.1	636.4	661.6	685.4	710.4	736.1	761.7	786.6	810.2	830.1
10°	598.5	624.3	651.0	675.8	701.7	728.9	756.4	783.9	810.2	832.9	851.1
8.75°	609.5	636.5	663.4	689.6	717.5	746.4	775.7	804.4	830.1	851.1	868.9
7.5°	619.4	647.5	674.3	702.1	731.8	762.4	793.0	821.9	846.2	866.5	884.2
6.25°	628.0	656.9	684.1	713.6	744.6	776.5	808.3	836.6	859.4	879.5	897.5
5°	635.4	664.2	692.6	723.3	755.4	788.4	820.2	847.1	869.9	890.1	909.1
3.75°	641.3	670.0	699.3	731.0	764.2	798.0	829.5	855.6	878.2	898.7	917.9
2.5°	645.5	674.1	704.2	736.8	770.6	804.9	836.2	861.4	883.9	905.0	924.5
1.25°	648.0	676.7	707.4	740.2	774.5	809.1	839.7	864.9	887.5	909.0	928.1
0°	648.9	677.5	708.4	741.4	775.8	810.5	840.8	866.1	888.7	910.3	929.3
-1.25°	648.0	676.7	707.4	740.2	774.5	809.1	839.7	864.9	887.5	909.0	928.1
-2.5°	645.5	674.1	704.2	736.8	770.6	804.9	836.2	861.4	883.9	905.0	924.5
-3.75°	641.3	670.0	699.3	731.0	764.2	798.0	829.5	855.6	878.2	898.7	917.9
-5°	635.4	664.2	692.6	723.3	755.4	788.4	820.2	847.1	869.9	890.1	909.1
-6.25°	628.0	656.9	684.1	713.6	744.6	776.5	808.3	836.6	859.4	879.5	897.5
-7.5°	619.4	647.5	674.3	702.1	731.8	762.4	793.0	821.9	846.2	866.5	884.2
-8.75°	609.5	636.5	663.4	689.6	717.5	746.4	775.7	804.4	830.1	851.1	868.9
-10°	598.5	624.3	651.0	675.8	701.7	728.9	756.4	783.9	810.2	832.9	851.1
-11.25°	586.4	611.1	636.4	661.6	685.4	710.4	736.1	761.7	786.6	810.2	830.1
-12.5°	572.7	597.1	621.0	645.4	668.5	691.3	714.9	738.5	761.7	783.9	804.4
-13.75°	557.8	582.0	604.8	627.7	650.9	672.1	693.3	714.9	736.1	756.4	775.7
-15°	541.4	565.5	588.2	609.7	631.2	652.8	672.1	691.3	710.4	728.9	746.4
-16.25°	522.8	547.5	570.1	591.2	611.3	631.2	650.9	668.5	685.4	701.7	717.5
-17.5°	502.0	527.7	550.6	571.6	591.2	609.7	627.7	645.4	661.6	675.8	689.6
-18.75°	478.7	505.5	529.4	550.6	570.1	588.2	604.8	621.0	636.4	651.0	663.4
-20°	449.7	480.7	505.5	527.7	547.5	565.5	582.0	597.1	611.1	624.3	636.5
-21.25°	422.9	449.7	478.7	502.0	522.8	541.4	557.8	572.7	586.4	598.5	609.5



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	396.7	421.2	445.7	472.5	495.0	514.6	531.9	547.0	560.5	572.5	583.2
-23.75°	370.1	393.5	416.0	438.6	462.2	484.6	502.8	518.8	533.0	545.1	555.7
-25°	342.9	365.4	387.1	407.8	428.2	448.1	469.1	487.2	502.1	515.1	526.2
-26.25°	317.9	337.1	357.7	377.6	396.6	414.5	432.1	448.9	466.1	481.5	493.0
-27.5°	292.9	311.4	329.1	347.0	365.2	382.4	398.4	413.4	427.7	440.7	453.5
-28.75°	268.1	285.3	302.3	318.6	334.1	349.9	365.3	379.6	392.7	404.6	415.3
-30°	245.3	260.4	275.2	290.9	305.7	319.6	332.7	345.5	358.1	369.4	379.6
-31.25°	222.1	236.8	250.7	264.0	277.0	290.4	302.9	314.5	325.1	334.7	343.8
-32.5°	201.1	213.1	226.2	239.0	251.1	262.4	273.0	284.1	294.2	303.4	311.6
-33.75°	180.9	192.4	203.4	213.9	225.4	236.3	246.4	255.8	264.3	272.1	279.8
-35°	161.5	171.6	182.2	192.3	201.8	210.7	219.7	228.7	236.9	244.3	250.9
-36.25°	145.6	153.9	161.7	170.5	179.6	188.1	196.1	203.4	210.1	216.4	222.8
-37.5°	129.6	137.5	145.1	152.3	159.1	165.5	173.1	180.2	186.6	192.4	197.5
-38.75°	115.2	121.9	128.4	135.3	141.8	147.9	153.5	158.7	163.4	168.5	173.5
-40°	101.2	107.6	113.6	119.4	124.7	130.3	135.7	140.7	145.2	149.3	153.0
-41.25°	86.5	93.1	99.0	104.5	109.7	114.5	119.0	123.2	127.0	130.9	134.4
-42.5°	71.1	77.5	83.5	89.3	94.6	99.2	103.5	107.5	111.1	114.4	117.3
-43.75°	55.9	61.8	67.6	73.1	78.3	83.1	87.5	91.7	95.3	98.4	101.2
-45°	42.2	47.4	52.4	57.0	61.8	66.5	70.7	74.7	78.3	81.5	84.4
-46.25°	28.5	33.5	38.2	42.7	46.9	50.8	54.4	57.7	61.1	64.2	67.0
-47.5°	21.5	23.6	25.6	28.3	32.4	36.1	39.6	42.8	45.7	48.3	50.6
-48.75°	15.3	17.4	19.3	21.1	22.9	24.5	25.9	27.8	30.5	33.0	35.3
-50°	12.8	12.9	13.0	14.7	16.4	17.9	19.3	20.6	21.8	22.9	23.8
-51.25°	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.9	15.1	16.1	17.0
-52.5°	12.0	12.2	12.3	12.4	12.4	12.5	12.6	12.7	12.7	12.8	12.8
-53.75°	11.6	11.8	11.9	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4
-55°	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0
-56.25°	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5	11.6
-57.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.1
-58.75°	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7
-60°	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.2	10.3
-61.25°	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.9
-62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-63.75°	9.4	9.4	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-65°	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5	9.5
-66.25°	8.5	8.6	8.7	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.0
-67.5°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.5	8.6	8.6
-68.75°	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.2
-70°	7.3	7.3	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7
-71.25°	6.9	6.9	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.2	7.3
-72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-75°	6.6	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.8
-76.25°	6.2	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4
-77.5°	5.5	5.5	5.6	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	4.6	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1
-80°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3
-81.25°	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
-82.5°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5
-83.75°	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-85°	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.6
-86.25°	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
83.75°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
81.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
78.75°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
76.25°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
71.25°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
70°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
68.75°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
67.5°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
66.25°	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
65°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
63.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
61.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
60°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
58.75°	10.7	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.8
57.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
56.25°	11.6	11.7	11.7	11.7	11.7	11.7	11.8	11.7	11.7	11.7	11.7
55°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
53.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
52.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
51.25°	17.8	18.4	19.0	19.4	19.7	19.9	20.0	19.9	19.7	19.4	19.0
50°	24.6	25.3	25.9	26.3	26.6	26.8	26.9	26.8	26.6	26.3	25.9
48.75°	37.2	38.8	40.2	41.2	42.0	42.4	42.6	42.4	42.0	41.2	40.2
47.5°	52.6	54.3	55.7	56.8	57.6	58.0	58.2	58.0	57.6	56.8	55.7
46.25°	69.3	71.4	73.0	74.3	75.3	75.8	76.0	75.8	75.3	74.3	73.0
45°	86.8	89.0	90.7	92.1	93.0	93.6	93.8	93.6	93.0	92.1	90.7
43.75°	103.6	105.6	107.3	108.6	109.5	110.1	110.3	110.1	109.5	108.6	107.3
42.5°	119.8	121.9	123.7	125.0	126.0	126.6	126.8	126.6	126.0	125.0	123.7
41.25°	137.4	140.0	142.1	143.8	145.0	145.7	145.9	145.7	145.0	143.8	142.1
40°	156.1	158.8	161.0	162.8	164.0	164.8	165.0	164.8	164.0	162.8	161.0
38.75°	177.8	181.4	184.4	186.8	188.5	189.5	189.8	189.5	188.5	186.8	184.4
37.5°	202.0	205.8	209.0	211.4	213.2	214.2	214.6	214.2	213.2	211.4	209.0
36.25°	228.3	232.9	236.8	239.8	242.0	243.3	243.7	243.3	242.0	239.8	236.8
35°	256.6	261.5	265.6	268.7	271.0	272.3	272.8	272.3	271.0	268.7	265.6



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	286.6	292.4	297.2	301.0	303.6	305.3	305.8	305.3	303.6	301.0	297.2
32.5°	318.7	324.8	329.8	333.7	336.5	338.2	338.8	338.2	336.5	333.7	329.8
31.25°	352.3	359.5	365.5	370.1	373.5	375.5	376.2	375.5	373.5	370.1	365.5
30°	388.4	396.0	402.3	407.2	410.7	412.8	413.5	412.8	410.7	407.2	402.3
28.75°	425.0	433.3	440.2	445.7	450.1	452.7	453.6	452.7	450.1	445.7	440.2
27.5°	465.1	475.1	482.9	488.2	492.1	494.4	495.2	494.4	492.1	488.2	482.9
26.25°	503.2	511.7	518.3	523.4	527.1	529.3	530.1	529.3	527.1	523.4	518.3
25°	536.0	543.6	549.8	554.7	558.3	560.4	561.1	560.4	558.3	554.7	549.8
23.75°	564.8	572.6	578.9	584.0	587.5	589.6	590.3	589.6	587.5	584.0	578.9
22.5°	592.4	600.2	606.7	612.0	615.8	618.1	618.9	618.1	615.8	612.0	606.7
21.25°	619.4	628.0	635.4	641.3	645.5	648.0	648.9	648.0	645.5	641.3	635.4
20°	647.5	656.9	664.2	670.0	674.1	676.7	677.5	676.7	674.1	670.0	664.2
18.75°	674.3	684.1	692.6	699.3	704.2	707.4	708.4	707.4	704.2	699.3	692.6
17.5°	702.1	713.6	723.3	731.0	736.8	740.2	741.4	740.2	736.8	731.0	723.3
16.25°	731.8	744.6	755.4	764.2	770.6	774.5	775.8	774.5	770.6	764.2	755.4
15°	762.4	776.5	788.4	798.0	804.9	809.1	810.5	809.1	804.9	798.0	788.4
13.75°	793.0	808.3	820.2	829.5	836.2	839.7	840.8	839.7	836.2	829.5	820.2
12.5°	821.9	836.6	847.1	855.6	861.4	864.9	866.1	864.9	861.4	855.6	847.1
11.25°	846.2	859.4	869.9	878.2	883.9	887.5	888.7	887.5	883.9	878.2	869.9
10°	866.5	879.5	890.1	898.7	905.0	909.0	910.3	909.0	905.0	898.7	890.1
8.75°	884.2	897.5	909.1	917.9	924.5	928.1	929.3	928.1	924.5	917.9	909.1
7.5°	900.1	914.2	925.9	934.1	939.8	942.5	943.4	942.5	939.8	934.1	925.9
6.25°	914.2	928.2	939.0	945.2	948.2	948.8	949.0	948.8	948.2	945.2	939.0
5°	925.9	939.0	947.1	949.0	948.0	946.5	946.0	946.5	948.0	949.0	947.1
3.75°	934.1	945.2	949.0	947.0	942.5	938.6	937.1	938.6	942.5	947.0	949.0
2.5°	939.8	948.2	948.0	942.5	935.4	929.8	927.7	929.8	935.4	942.5	948.0
1.25°	942.5	948.8	946.5	938.6	929.8	923.8	922.9	923.8	929.8	938.6	946.5
0°	943.4	949.0	946.0	937.1	927.7	922.9	925.1	922.9	927.7	937.1	946.0
-1.25°	942.5	948.8	946.5	938.6	929.8	923.8	922.9	923.8	929.8	938.6	946.5
-2.5°	939.8	948.2	948.0	942.5	935.4	929.8	927.7	929.8	935.4	942.5	948.0
-3.75°	934.1	945.2	949.0	947.0	942.5	938.6	937.1	938.6	942.5	947.0	949.0
-5°	925.9	939.0	947.1	949.0	948.0	946.5	946.0	946.5	948.0	949.0	947.1
-6.25°	914.2	928.2	939.0	945.2	948.2	948.8	949.0	948.8	948.2	945.2	939.0
-7.5°	900.1	914.2	925.9	934.1	939.8	942.5	943.4	942.5	939.8	934.1	925.9
-8.75°	884.2	897.5	909.1	917.9	924.5	928.1	929.3	928.1	924.5	917.9	909.1
-10°	866.5	879.5	890.1	898.7	905.0	909.0	910.3	909.0	905.0	898.7	890.1
-11.25°	846.2	859.4	869.9	878.2	883.9	887.5	888.7	887.5	883.9	878.2	869.9
-12.5°	821.9	836.6	847.1	855.6	861.4	864.9	866.1	864.9	861.4	855.6	847.1
-13.75°	793.0	808.3	820.2	829.5	836.2	839.7	840.8	839.7	836.2	829.5	820.2
-15°	762.4	776.5	788.4	798.0	804.9	809.1	810.5	809.1	804.9	798.0	788.4
-16.25°	731.8	744.6	755.4	764.2	770.6	774.5	775.8	774.5	770.6	764.2	755.4
-17.5°	702.1	713.6	723.3	731.0	736.8	740.2	741.4	740.2	736.8	731.0	723.3
-18.75°	674.3	684.1	692.6	699.3	704.2	707.4	708.4	707.4	704.2	699.3	692.6
-20°	647.5	656.9	664.2	670.0	674.1	676.7	677.5	676.7	674.1	670.0	664.2
-21.25°	619.4	628.0	635.4	641.3	645.5	648.0	648.9	648.0	645.5	641.3	635.4



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	592.4	600.2	606.7	612.0	615.8	618.1	618.9	618.1	615.8	612.0	606.7
-23.75°	564.8	572.6	578.9	584.0	587.5	589.6	590.3	589.6	587.5	584.0	578.9
-25°	536.0	543.6	549.8	554.7	558.3	560.4	561.1	560.4	558.3	554.7	549.8
-26.25°	503.2	511.7	518.3	523.4	527.1	529.3	530.1	529.3	527.1	523.4	518.3
-27.5°	465.1	475.1	482.9	488.2	492.1	494.4	495.2	494.4	492.1	488.2	482.9
-28.75°	425.0	433.3	440.2	445.7	450.1	452.7	453.6	452.7	450.1	445.7	440.2
-30°	388.4	396.0	402.3	407.2	410.7	412.8	413.5	412.8	410.7	407.2	402.3
-31.25°	352.3	359.5	365.5	370.1	373.5	375.5	376.2	375.5	373.5	370.1	365.5
-32.5°	318.7	324.8	329.8	333.7	336.5	338.2	338.8	338.2	336.5	333.7	329.8
-33.75°	286.6	292.4	297.2	301.0	303.6	305.3	305.8	305.3	303.6	301.0	297.2
-35°	256.6	261.5	265.6	268.7	271.0	272.3	272.8	272.3	271.0	268.7	265.6
-36.25°	228.3	232.9	236.8	239.8	242.0	243.3	243.7	243.3	242.0	239.8	236.8
-37.5°	202.0	205.8	209.0	211.4	213.2	214.2	214.6	214.2	213.2	211.4	209.0
-38.75°	177.8	181.4	184.4	186.8	188.5	189.5	189.8	189.5	188.5	186.8	184.4
-40°	156.1	158.8	161.0	162.8	164.0	164.8	165.0	164.8	164.0	162.8	161.0
-41.25°	137.4	140.0	142.1	143.8	145.0	145.7	145.9	145.7	145.0	143.8	142.1
-42.5°	119.8	121.9	123.7	125.0	126.0	126.6	126.8	126.6	126.0	125.0	123.7
-43.75°	103.6	105.6	107.3	108.6	109.5	110.1	110.3	110.1	109.5	108.6	107.3
-45°	86.8	89.0	90.7	92.1	93.0	93.6	93.8	93.6	93.0	92.1	90.7
-46.25°	69.3	71.4	73.0	74.3	75.3	75.8	76.0	75.8	75.3	74.3	73.0
-47.5°	52.6	54.3	55.7	56.8	57.6	58.0	58.2	58.0	57.6	56.8	55.7
-48.75°	37.2	38.8	40.2	41.2	42.0	42.4	42.6	42.4	42.0	41.2	40.2
-50°	24.6	25.3	25.9	26.3	26.6	26.8	26.9	26.8	26.6	26.3	25.9
-51.25°	17.8	18.4	19.0	19.4	19.7	19.9	20.0	19.9	19.7	19.4	19.0
-52.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-53.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-55°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
-56.25°	11.6	11.7	11.7	11.7	11.7	11.7	11.8	11.7	11.7	11.7	11.7
-57.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-58.75°	10.7	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.8
-60°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-61.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-63.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-65°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-66.25°	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
-67.5°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-68.75°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
-70°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
-71.25°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
-72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-76.25°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-77.5°	6.0	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-81.25°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-83.75°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
-85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-86.25°	1.7	1.7	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
85°	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4
83.75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
82.5°	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
81.25°	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
80°	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	4.1
78.75°	5.2	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.8
77.5°	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6
76.25°	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3
75°	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6
73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
71.25°	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0
70°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.4
68.75°	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.9	7.8
67.5°	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.2
66.25°	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.7
65°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
63.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5
62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
61.25°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.6	9.6
60°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.8
58.75°	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2
57.5°	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6
56.25°	11.7	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0
55°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4
53.75°	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.0	11.9
52.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.4	12.3
51.25°	18.4	17.8	17.0	16.1	15.1	13.9	13.0	12.9	12.8	12.7	12.6
50°	25.3	24.6	23.8	22.9	21.8	20.6	19.3	17.9	16.4	14.7	13.0
48.75°	38.8	37.2	35.3	33.0	30.5	27.8	25.9	24.5	22.9	21.1	19.3
47.5°	54.3	52.6	50.6	48.3	45.7	42.8	39.6	36.1	32.4	28.3	25.6
46.25°	71.4	69.3	67.0	64.2	61.1	57.7	54.4	50.8	46.9	42.7	38.2
45°	89.0	86.8	84.4	81.5	78.3	74.7	70.7	66.5	61.8	57.0	52.4
43.75°	105.6	103.6	101.2	98.4	95.3	91.7	87.5	83.1	78.3	73.1	67.6
42.5°	121.9	119.8	117.3	114.4	111.1	107.5	103.5	99.2	94.6	89.3	83.5
41.25°	140.0	137.4	134.4	130.9	127.0	123.2	119.0	114.5	109.7	104.5	99.0
40°	158.8	156.1	153.0	149.3	145.2	140.7	135.7	130.3	124.7	119.4	113.6
38.75°	181.4	177.8	173.5	168.5	163.4	158.7	153.5	147.9	141.8	135.3	128.4
37.5°	205.8	202.0	197.5	192.4	186.6	180.2	173.1	165.5	159.1	152.3	145.1
36.25°	232.9	228.3	222.8	216.4	210.1	203.4	196.1	188.1	179.6	170.5	161.7
35°	261.5	256.6	250.9	244.3	236.9	228.7	219.7	210.7	201.8	192.3	182.2



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	292.4	286.6	279.8	272.1	264.3	255.8	246.4	236.3	225.4	213.9	203.4
32.5°	324.8	318.7	311.6	303.4	294.2	284.1	273.0	262.4	251.1	239.0	226.2
31.25°	359.5	352.3	343.8	334.7	325.1	314.5	302.9	290.4	277.0	264.0	250.7
30°	396.0	388.4	379.6	369.4	358.1	345.5	332.7	319.6	305.7	290.9	275.2
28.75°	433.3	425.0	415.3	404.6	392.7	379.6	365.3	349.9	334.1	318.6	302.3
27.5°	475.1	465.1	453.5	440.7	427.7	413.4	398.4	382.4	365.2	347.0	329.1
26.25°	511.7	503.2	493.0	481.5	466.1	448.9	432.1	414.5	396.6	377.6	357.7
25°	543.6	536.0	526.2	515.1	502.1	487.2	469.1	448.1	428.2	407.8	387.1
23.75°	572.6	564.8	555.7	545.1	533.0	518.8	502.8	484.6	462.2	438.6	416.0
22.5°	600.2	592.4	583.2	572.5	560.5	547.0	531.9	514.6	495.0	472.5	445.7
21.25°	628.0	619.4	609.5	598.5	586.4	572.7	557.8	541.4	522.8	502.0	478.7
20°	656.9	647.5	636.5	624.3	611.1	597.1	582.0	565.5	547.5	527.7	505.5
18.75°	684.1	674.3	663.4	651.0	636.4	621.0	604.8	588.2	570.1	550.6	529.4
17.5°	713.6	702.1	689.6	675.8	661.6	645.4	627.7	609.7	591.2	571.6	550.6
16.25°	744.6	731.8	717.5	701.7	685.4	668.5	650.9	631.2	611.3	591.2	570.1
15°	776.5	762.4	746.4	728.9	710.4	691.3	672.1	652.8	631.2	609.7	588.2
13.75°	808.3	793.0	775.7	756.4	736.1	714.9	693.3	672.1	650.9	627.7	604.8
12.5°	836.6	821.9	804.4	783.9	761.7	738.5	714.9	691.3	668.5	645.4	621.0
11.25°	859.4	846.2	830.1	810.2	786.6	761.7	736.1	710.4	685.4	661.6	636.4
10°	879.5	866.5	851.1	832.9	810.2	783.9	756.4	728.9	701.7	675.8	651.0
8.75°	897.5	884.2	868.9	851.1	830.1	804.4	775.7	746.4	717.5	689.6	663.4
7.5°	914.2	900.1	884.2	866.5	846.2	821.9	793.0	762.4	731.8	702.1	674.3
6.25°	928.2	914.2	897.5	879.5	859.4	836.6	808.3	776.5	744.6	713.6	684.1
5°	939.0	925.9	909.1	890.1	869.9	847.1	820.2	788.4	755.4	723.3	692.6
3.75°	945.2	934.1	917.9	898.7	878.2	855.6	829.5	798.0	764.2	731.0	699.3
2.5°	948.2	939.8	924.5	905.0	883.9	861.4	836.2	804.9	770.6	736.8	704.2
1.25°	948.8	942.5	928.1	909.0	887.5	864.9	839.7	809.1	774.5	740.2	707.4
0°	949.0	943.4	929.3	910.3	888.7	866.1	840.8	810.5	775.8	741.4	708.4
-1.25°	948.8	942.5	928.1	909.0	887.5	864.9	839.7	809.1	774.5	740.2	707.4
-2.5°	948.2	939.8	924.5	905.0	883.9	861.4	836.2	804.9	770.6	736.8	704.2
-3.75°	945.2	934.1	917.9	898.7	878.2	855.6	829.5	798.0	764.2	731.0	699.3
-5°	939.0	925.9	909.1	890.1	869.9	847.1	820.2	788.4	755.4	723.3	692.6
-6.25°	928.2	914.2	897.5	879.5	859.4	836.6	808.3	776.5	744.6	713.6	684.1
-7.5°	914.2	900.1	884.2	866.5	846.2	821.9	793.0	762.4	731.8	702.1	674.3
-8.75°	897.5	884.2	868.9	851.1	830.1	804.4	775.7	746.4	717.5	689.6	663.4
-10°	879.5	866.5	851.1	832.9	810.2	783.9	756.4	728.9	701.7	675.8	651.0
-11.25°	859.4	846.2	830.1	810.2	786.6	761.7	736.1	710.4	685.4	661.6	636.4
-12.5°	836.6	821.9	804.4	783.9	761.7	738.5	714.9	691.3	668.5	645.4	621.0
-13.75°	808.3	793.0	775.7	756.4	736.1	714.9	693.3	672.1	650.9	627.7	604.8
-15°	776.5	762.4	746.4	728.9	710.4	691.3	672.1	652.8	631.2	609.7	588.2
-16.25°	744.6	731.8	717.5	701.7	685.4	668.5	650.9	631.2	611.3	591.2	570.1
-17.5°	713.6	702.1	689.6	675.8	661.6	645.4	627.7	609.7	591.2	571.6	550.6
-18.75°	684.1	674.3	663.4	651.0	636.4	621.0	604.8	588.2	570.1	550.6	529.4
-20°	656.9	647.5	636.5	624.3	611.1	597.1	582.0	565.5	547.5	527.7	505.5
-21.25°	628.0	619.4	609.5	598.5	586.4	572.7	557.8	541.4	522.8	502.0	478.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	600.2	592.4	583.2	572.5	560.5	547.0	531.9	514.6	495.0	472.5	445.7
-23.75°	572.6	564.8	555.7	545.1	533.0	518.8	502.8	484.6	462.2	438.6	416.0
-25°	543.6	536.0	526.2	515.1	502.1	487.2	469.1	448.1	428.2	407.8	387.1
-26.25°	511.7	503.2	493.0	481.5	466.1	448.9	432.1	414.5	396.6	377.6	357.7
-27.5°	475.1	465.1	453.5	440.7	427.7	413.4	398.4	382.4	365.2	347.0	329.1
-28.75°	433.3	425.0	415.3	404.6	392.7	379.6	365.3	349.9	334.1	318.6	302.3
-30°	396.0	388.4	379.6	369.4	358.1	345.5	332.7	319.6	305.7	290.9	275.2
-31.25°	359.5	352.3	343.8	334.7	325.1	314.5	302.9	290.4	277.0	264.0	250.7
-32.5°	324.8	318.7	311.6	303.4	294.2	284.1	273.0	262.4	251.1	239.0	226.2
-33.75°	292.4	286.6	279.8	272.1	264.3	255.8	246.4	236.3	225.4	213.9	203.4
-35°	261.5	256.6	250.9	244.3	236.9	228.7	219.7	210.7	201.8	192.3	182.2
-36.25°	232.9	228.3	222.8	216.4	210.1	203.4	196.1	188.1	179.6	170.5	161.7
-37.5°	205.8	202.0	197.5	192.4	186.6	180.2	173.1	165.5	159.1	152.3	145.1
-38.75°	181.4	177.8	173.5	168.5	163.4	158.7	153.5	147.9	141.8	135.3	128.4
-40°	158.8	156.1	153.0	149.3	145.2	140.7	135.7	130.3	124.7	119.4	113.6
-41.25°	140.0	137.4	134.4	130.9	127.0	123.2	119.0	114.5	109.7	104.5	99.0
-42.5°	121.9	119.8	117.3	114.4	111.1	107.5	103.5	99.2	94.6	89.3	83.5
-43.75°	105.6	103.6	101.2	98.4	95.3	91.7	87.5	83.1	78.3	73.1	67.6
-45°	89.0	86.8	84.4	81.5	78.3	74.7	70.7	66.5	61.8	57.0	52.4
-46.25°	71.4	69.3	67.0	64.2	61.1	57.7	54.4	50.8	46.9	42.7	38.2
-47.5°	54.3	52.6	50.6	48.3	45.7	42.8	39.6	36.1	32.4	28.3	25.6
-48.75°	38.8	37.2	35.3	33.0	30.5	27.8	25.9	24.5	22.9	21.1	19.3
-50°	25.3	24.6	23.8	22.9	21.8	20.6	19.3	17.9	16.4	14.7	13.0
-51.25°	18.4	17.8	17.0	16.1	15.1	13.9	13.0	12.9	12.8	12.7	12.6
-52.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.4	12.3
-53.75°	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.0	11.9
-55°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4
-56.25°	11.7	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0
-57.5°	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6
-58.75°	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2
-60°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.8
-61.25°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.6	9.6
-62.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-63.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5
-65°	9.5	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1
-66.25°	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.7
-67.5°	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.2
-68.75°	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.9	7.8
-70°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.4
-71.25°	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0
-72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-73.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-75°	6.9	6.9	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6
-76.25°	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3
-77.5°	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.6



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	5.2	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.8
-80°	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	4.1
-81.25°	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8
-82.5°	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-83.75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
-85°	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4
-86.25°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1
83.75°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7
82.5°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
81.25°	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5
80°	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8
78.75°	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1
77.5°	5.5	5.5	5.4	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7
76.25°	6.2	6.2	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.5	5.4
75°	6.6	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1
73.75°	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.6	6.6	6.5	6.5
72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8
71.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
70°	7.3	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.9	6.9	6.9
68.75°	7.8	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.1	7.0
67.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4
66.25°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.9	7.7
65°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
63.75°	9.4	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
62.5°	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9
61.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.3	9.2
60°	9.8	9.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
58.75°	10.1	10.1	10.0	9.9	9.8	9.7	9.6	9.6	9.6	9.6	9.6
57.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.6
56.25°	10.9	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7
55°	11.3	11.2	11.1	11.0	10.9	10.7	10.6	10.5	10.3	10.2	10.1
53.75°	11.8	11.6	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5	10.4
52.5°	12.2	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7
51.25°	12.5	12.4	12.3	12.2	12.0	11.9	11.7	11.6	11.4	11.2	11.1
50°	12.9	12.8	12.7	12.5	12.4	12.3	12.1	11.9	11.8	11.6	11.4
48.75°	17.4	15.3	13.2	12.9	12.7	12.6	12.5	12.3	12.1	12.0	11.8
47.5°	23.6	21.5	19.2	16.9	14.4	12.9	12.8	12.6	12.5	12.3	12.1
46.25°	33.5	28.5	25.3	22.8	20.3	17.6	14.9	12.9	12.8	12.6	12.4
45°	47.4	42.2	36.8	31.1	26.1	23.3	20.5	17.5	14.5	12.9	12.7
43.75°	61.8	55.9	50.2	44.3	38.1	31.7	26.1	23.0	19.8	16.5	13.2
42.5°	77.5	71.1	64.4	57.5	51.0	44.4	37.4	30.3	25.1	21.7	18.3
41.25°	93.1	86.5	79.5	72.2	64.7	57.0	49.8	42.4	34.7	26.9	23.3
40°	107.6	101.2	94.5	87.0	79.1	71.0	62.5	54.3	46.4	38.3	30.0
38.75°	121.9	115.2	108.3	101.0	93.5	85.0	76.3	67.3	58.0	49.6	41.0
37.5°	137.5	129.6	122.0	114.5	106.7	98.6	89.9	80.6	71.0	61.1	51.9
36.25°	153.9	145.6	136.9	127.9	119.7	111.3	102.6	93.7	83.8	73.7	63.3
35°	171.6	161.5	152.5	143.2	133.5	123.9	114.9	105.7	96.3	86.0	75.3



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	192.4	180.9	168.8	158.2	148.2	137.8	127.1	117.6	107.8	97.8	87.1
32.5°	213.1	201.1	188.5	175.5	162.7	152.0	140.9	129.6	119.1	108.8	98.3
31.25°	236.8	222.1	208.1	194.6	180.6	166.2	154.5	142.8	130.8	119.7	108.8
30°	260.4	245.3	229.5	213.3	198.9	184.1	168.8	155.8	143.5	130.8	119.1
28.75°	285.3	268.1	251.7	234.8	217.3	201.5	185.8	169.6	155.8	142.8	129.6
27.5°	311.4	292.9	273.7	256.1	238.0	219.4	202.4	185.8	168.8	154.5	140.9
26.25°	337.1	317.9	298.0	277.5	258.2	239.1	219.4	201.5	184.1	166.2	152.0
25°	365.4	342.9	321.9	300.6	278.7	258.2	238.0	217.3	198.9	180.6	162.7
23.75°	393.5	370.1	346.0	323.2	300.6	277.5	256.1	234.8	213.3	194.6	175.5
22.5°	421.2	396.7	371.7	346.0	321.9	298.0	273.7	251.7	229.5	208.1	188.5
21.25°	449.7	422.9	396.7	370.1	342.9	317.9	292.9	268.1	245.3	222.1	201.1
20°	480.7	449.7	421.2	393.5	365.4	337.1	311.4	285.3	260.4	236.8	213.1
18.75°	505.5	478.7	445.7	416.0	387.1	357.7	329.1	302.3	275.2	250.7	226.2
17.5°	527.7	502.0	472.5	438.6	407.8	377.6	347.0	318.6	290.9	264.0	239.0
16.25°	547.5	522.8	495.0	462.2	428.2	396.6	365.2	334.1	305.7	277.0	251.1
15°	565.5	541.4	514.6	484.6	448.1	414.5	382.4	349.9	319.6	290.4	262.4
13.75°	582.0	557.8	531.9	502.8	469.1	432.1	398.4	365.3	332.7	302.9	273.0
12.5°	597.1	572.7	547.0	518.8	487.2	448.9	413.4	379.6	345.5	314.5	284.1
11.25°	611.1	586.4	560.5	533.0	502.1	466.1	427.7	392.7	358.1	325.1	294.2
10°	624.3	598.5	572.5	545.1	515.1	481.5	440.7	404.6	369.4	334.7	303.4
8.75°	636.5	609.5	583.2	555.7	526.2	493.0	453.5	415.3	379.6	343.8	311.6
7.5°	647.5	619.4	592.4	564.8	536.0	503.2	465.1	425.0	388.4	352.3	318.7
6.25°	656.9	628.0	600.2	572.6	543.6	511.7	475.1	433.3	396.0	359.5	324.8
5°	664.2	635.4	606.7	578.9	549.8	518.3	482.9	440.2	402.3	365.5	329.8
3.75°	670.0	641.3	612.0	584.0	554.7	523.4	488.2	445.7	407.2	370.1	333.7
2.5°	674.1	645.5	615.8	587.5	558.3	527.1	492.1	450.1	410.7	373.5	336.5
1.25°	676.7	648.0	618.1	589.6	560.4	529.3	494.4	452.7	412.8	375.5	338.2
0°	677.5	648.9	618.9	590.3	561.1	530.1	495.2	453.6	413.5	376.2	338.8
-1.25°	676.7	648.0	618.1	589.6	560.4	529.3	494.4	452.7	412.8	375.5	338.2
-2.5°	674.1	645.5	615.8	587.5	558.3	527.1	492.1	450.1	410.7	373.5	336.5
-3.75°	670.0	641.3	612.0	584.0	554.7	523.4	488.2	445.7	407.2	370.1	333.7
-5°	664.2	635.4	606.7	578.9	549.8	518.3	482.9	440.2	402.3	365.5	329.8
-6.25°	656.9	628.0	600.2	572.6	543.6	511.7	475.1	433.3	396.0	359.5	324.8
-7.5°	647.5	619.4	592.4	564.8	536.0	503.2	465.1	425.0	388.4	352.3	318.7
-8.75°	636.5	609.5	583.2	555.7	526.2	493.0	453.5	415.3	379.6	343.8	311.6
-10°	624.3	598.5	572.5	545.1	515.1	481.5	440.7	404.6	369.4	334.7	303.4
-11.25°	611.1	586.4	560.5	533.0	502.1	466.1	427.7	392.7	358.1	325.1	294.2
-12.5°	597.1	572.7	547.0	518.8	487.2	448.9	413.4	379.6	345.5	314.5	284.1
-13.75°	582.0	557.8	531.9	502.8	469.1	432.1	398.4	365.3	332.7	302.9	273.0
-15°	565.5	541.4	514.6	484.6	448.1	414.5	382.4	349.9	319.6	290.4	262.4
-16.25°	547.5	522.8	495.0	462.2	428.2	396.6	365.2	334.1	305.7	277.0	251.1
-17.5°	527.7	502.0	472.5	438.6	407.8	377.6	347.0	318.6	290.9	264.0	239.0
-18.75°	505.5	478.7	445.7	416.0	387.1	357.7	329.1	302.3	275.2	250.7	226.2
-20°	480.7	449.7	421.2	393.5	365.4	337.1	311.4	285.3	260.4	236.8	213.1
-21.25°	449.7	422.9	396.7	370.1	342.9	317.9	292.9	268.1	245.3	222.1	201.1



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	421.2	396.7	371.7	346.0	321.9	298.0	273.7	251.7	229.5	208.1	188.5
-23.75°	393.5	370.1	346.0	323.2	300.6	277.5	256.1	234.8	213.3	194.6	175.5
-25°	365.4	342.9	321.9	300.6	278.7	258.2	238.0	217.3	198.9	180.6	162.7
-26.25°	337.1	317.9	298.0	277.5	258.2	239.1	219.4	201.5	184.1	166.2	152.0
-27.5°	311.4	292.9	273.7	256.1	238.0	219.4	202.4	185.8	168.8	154.5	140.9
-28.75°	285.3	268.1	251.7	234.8	217.3	201.5	185.8	169.6	155.8	142.8	129.6
-30°	260.4	245.3	229.5	213.3	198.9	184.1	168.8	155.8	143.5	130.8	119.1
-31.25°	236.8	222.1	208.1	194.6	180.6	166.2	154.5	142.8	130.8	119.7	108.8
-32.5°	213.1	201.1	188.5	175.5	162.7	152.0	140.9	129.6	119.1	108.8	98.3
-33.75°	192.4	180.9	168.8	158.2	148.2	137.8	127.1	117.6	107.8	97.8	87.1
-35°	171.6	161.5	152.5	143.2	133.5	123.9	114.9	105.7	96.3	86.0	75.3
-36.25°	153.9	145.6	136.9	127.9	119.7	111.3	102.6	93.7	83.8	73.7	63.3
-37.5°	137.5	129.6	122.0	114.5	106.7	98.6	89.9	80.6	71.0	61.1	51.9
-38.75°	121.9	115.2	108.3	101.0	93.5	85.0	76.3	67.3	58.0	49.6	41.0
-40°	107.6	101.2	94.5	87.0	79.1	71.0	62.5	54.3	46.4	38.3	30.0
-41.25°	93.1	86.5	79.5	72.2	64.7	57.0	49.8	42.4	34.7	26.9	23.3
-42.5°	77.5	71.1	64.4	57.5	51.0	44.4	37.4	30.3	25.1	21.7	18.3
-43.75°	61.8	55.9	50.2	44.3	38.1	31.7	26.1	23.0	19.8	16.5	13.2
-45°	47.4	42.2	36.8	31.1	26.1	23.3	20.5	17.5	14.5	12.9	12.7
-46.25°	33.5	28.5	25.3	22.8	20.3	17.6	14.9	12.9	12.8	12.6	12.4
-47.5°	23.6	21.5	19.2	16.9	14.4	12.9	12.8	12.6	12.5	12.3	12.1
-48.75°	17.4	15.3	13.2	12.9	12.7	12.6	12.5	12.3	12.1	12.0	11.8
-50°	12.9	12.8	12.7	12.5	12.4	12.3	12.1	11.9	11.8	11.6	11.4
-51.25°	12.5	12.4	12.3	12.2	12.0	11.9	11.7	11.6	11.4	11.2	11.1
-52.5°	12.2	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7
-53.75°	11.8	11.6	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5	10.4
-55°	11.3	11.2	11.1	11.0	10.9	10.7	10.6	10.5	10.3	10.2	10.1
-56.25°	10.9	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7
-57.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.6
-58.75°	10.1	10.1	10.0	9.9	9.8	9.7	9.6	9.6	9.6	9.6	9.6
-60°	9.8	9.7	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-61.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.3	9.2
-62.5°	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9
-63.75°	9.4	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
-65°	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1
-66.25°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.9	7.7
-67.5°	8.2	8.1	8.1	8.0	7.9	7.8	7.7	7.7	7.6	7.5	7.4
-68.75°	7.8	7.7	7.6	7.6	7.5	7.4	7.4	7.3	7.2	7.1	7.0
-70°	7.3	7.3	7.2	7.2	7.1	7.0	7.0	6.9	6.9	6.9	6.9
-71.25°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-72.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8
-73.75°	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.6	6.6	6.5	6.5
-75°	6.6	6.6	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1
-76.25°	6.2	6.2	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.5	5.4
-77.5°	5.5	5.5	5.4	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	4.7	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1
-80°	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8
-81.25°	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5
-82.5°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
-83.75°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7
-85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.1
-86.25°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
85°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5
83.75°	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
82.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7
81.25°	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0
80°	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
78.75°	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.6
77.5°	4.6	4.5	4.3	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.9
76.25°	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1
75°	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5
73.75°	6.4	6.3	6.3	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1
72.5°	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1	5.9	5.7
71.25°	6.9	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2
70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.6	6.5
68.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7
67.5°	7.3	7.2	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9
66.25°	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.9	6.9	6.9	6.9
65°	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	7.0	6.9	6.9
63.75°	8.4	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.0
62.5°	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.8	7.6	7.5	7.3
61.25°	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.8	7.6
60°	9.4	9.3	9.2	9.0	8.9	8.7	8.5	8.4	8.2	8.1	7.9
58.75°	9.6	9.6	9.5	9.3	9.2	9.0	8.9	8.7	8.5	8.3	8.2
57.5°	9.6	9.6	9.6	9.6	9.5	9.3	9.2	9.0	8.8	8.6	8.5
56.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.3	9.1	8.9	8.7
55°	9.9	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.4	9.2	9.0
53.75°	10.2	10.1	9.9	9.8	9.6	9.6	9.6	9.6	9.6	9.5	9.3
52.5°	10.5	10.4	10.2	10.0	9.9	9.7	9.6	9.6	9.6	9.6	9.6
51.25°	10.9	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.6	9.6	9.6
50°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.6	9.6
48.75°	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.1	9.9	9.7	9.6
47.5°	11.9	11.7	11.5	11.3	11.0	10.8	10.6	10.4	10.1	9.9	9.7
46.25°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	9.9
45°	12.5	12.3	12.1	11.9	11.6	11.4	11.2	10.9	10.7	10.4	10.2
43.75°	12.8	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9	10.7	10.4
42.5°	14.7	12.9	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.9	10.6
41.25°	19.6	15.9	12.9	12.7	12.5	12.3	12.0	11.7	11.4	11.2	10.9
40°	24.5	20.6	16.6	13.0	12.7	12.5	12.3	12.0	11.7	11.4	11.1
38.75°	32.2	25.3	21.2	17.0	13.0	12.7	12.5	12.2	11.9	11.6	11.3
37.5°	42.8	33.6	25.7	21.4	17.0	13.0	12.7	12.5	12.2	11.9	11.6
36.25°	53.3	43.7	34.0	25.7	21.2	16.6	12.9	12.7	12.4	12.1	11.8
35°	64.3	53.8	43.7	33.6	25.3	20.6	15.9	12.9	12.6	12.3	12.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	75.8	64.3	53.3	42.8	32.2	24.5	19.6	14.7	12.8	12.5	12.2
32.5°	87.1	75.3	63.3	51.9	41.0	30.0	23.3	18.3	13.2	12.7	12.4
31.25°	97.8	86.0	73.7	61.1	49.6	38.3	26.9	21.7	16.5	12.9	12.6
30°	107.8	96.3	83.8	71.0	58.0	46.4	34.7	25.1	19.8	14.5	12.8
28.75°	117.6	105.7	93.7	80.6	67.3	54.3	42.4	30.3	23.0	17.5	12.9
27.5°	127.1	114.9	102.6	89.9	76.3	62.5	49.8	37.4	26.1	20.5	14.9
26.25°	137.8	123.9	111.3	98.6	85.0	71.0	57.0	44.4	31.7	23.3	17.6
25°	148.2	133.5	119.7	106.7	93.5	79.1	64.7	51.0	38.1	26.1	20.3
23.75°	158.2	143.2	127.9	114.5	101.0	87.0	72.2	57.5	44.3	31.1	22.8
22.5°	168.8	152.5	136.9	122.0	108.3	94.5	79.5	64.4	50.2	36.8	25.3
21.25°	180.9	161.5	145.6	129.6	115.2	101.2	86.5	71.1	55.9	42.2	28.5
20°	192.4	171.6	153.9	137.5	121.9	107.6	93.1	77.5	61.8	47.4	33.5
18.75°	203.4	182.2	161.7	145.1	128.4	113.6	99.0	83.5	67.6	52.4	38.2
17.5°	213.9	192.3	170.5	152.3	135.3	119.4	104.5	89.3	73.1	57.0	42.7
16.25°	225.4	201.8	179.6	159.1	141.8	124.7	109.7	94.6	78.3	61.8	46.9
15°	236.3	210.7	188.1	165.5	147.9	130.3	114.5	99.2	83.1	66.5	50.8
13.75°	246.4	219.7	196.1	173.1	153.5	135.7	119.0	103.5	87.5	70.7	54.4
12.5°	255.8	228.7	203.4	180.2	158.7	140.7	123.2	107.5	91.7	74.7	57.7
11.25°	264.3	236.9	210.1	186.6	163.4	145.2	127.0	111.1	95.3	78.3	61.1
10°	272.1	244.3	216.4	192.4	168.5	149.3	130.9	114.4	98.4	81.5	64.2
8.75°	279.8	250.9	222.8	197.5	173.5	153.0	134.4	117.3	101.2	84.4	67.0
7.5°	286.6	256.6	228.3	202.0	177.8	156.1	137.4	119.8	103.6	86.8	69.3
6.25°	292.4	261.5	232.9	205.8	181.4	158.8	140.0	121.9	105.6	89.0	71.4
5°	297.2	265.6	236.8	209.0	184.4	161.0	142.1	123.7	107.3	90.7	73.0
3.75°	301.0	268.7	239.8	211.4	186.8	162.8	143.8	125.0	108.6	92.1	74.3
2.5°	303.6	271.0	242.0	213.2	188.5	164.0	145.0	126.0	109.5	93.0	75.3
1.25°	305.3	272.3	243.3	214.2	189.5	164.8	145.7	126.6	110.1	93.6	75.8
0°	305.8	272.8	243.7	214.6	189.8	165.0	145.9	126.8	110.3	93.8	76.0
-1.25°	305.3	272.3	243.3	214.2	189.5	164.8	145.7	126.6	110.1	93.6	75.8
-2.5°	303.6	271.0	242.0	213.2	188.5	164.0	145.0	126.0	109.5	93.0	75.3
-3.75°	301.0	268.7	239.8	211.4	186.8	162.8	143.8	125.0	108.6	92.1	74.3
-5°	297.2	265.6	236.8	209.0	184.4	161.0	142.1	123.7	107.3	90.7	73.0
-6.25°	292.4	261.5	232.9	205.8	181.4	158.8	140.0	121.9	105.6	89.0	71.4
-7.5°	286.6	256.6	228.3	202.0	177.8	156.1	137.4	119.8	103.6	86.8	69.3
-8.75°	279.8	250.9	222.8	197.5	173.5	153.0	134.4	117.3	101.2	84.4	67.0
-10°	272.1	244.3	216.4	192.4	168.5	149.3	130.9	114.4	98.4	81.5	64.2
-11.25°	264.3	236.9	210.1	186.6	163.4	145.2	127.0	111.1	95.3	78.3	61.1
-12.5°	255.8	228.7	203.4	180.2	158.7	140.7	123.2	107.5	91.7	74.7	57.7
-13.75°	246.4	219.7	196.1	173.1	153.5	135.7	119.0	103.5	87.5	70.7	54.4
-15°	236.3	210.7	188.1	165.5	147.9	130.3	114.5	99.2	83.1	66.5	50.8
-16.25°	225.4	201.8	179.6	159.1	141.8	124.7	109.7	94.6	78.3	61.8	46.9
-17.5°	213.9	192.3	170.5	152.3	135.3	119.4	104.5	89.3	73.1	57.0	42.7
-18.75°	203.4	182.2	161.7	145.1	128.4	113.6	99.0	83.5	67.6	52.4	38.2
-20°	192.4	171.6	153.9	137.5	121.9	107.6	93.1	77.5	61.8	47.4	33.5
-21.25°	180.9	161.5	145.6	129.6	115.2	101.2	86.5	71.1	55.9	42.2	28.5



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	168.8	152.5	136.9	122.0	108.3	94.5	79.5	64.4	50.2	36.8	25.3
-23.75°	158.2	143.2	127.9	114.5	101.0	87.0	72.2	57.5	44.3	31.1	22.8
-25°	148.2	133.5	119.7	106.7	93.5	79.1	64.7	51.0	38.1	26.1	20.3
-26.25°	137.8	123.9	111.3	98.6	85.0	71.0	57.0	44.4	31.7	23.3	17.6
-27.5°	127.1	114.9	102.6	89.9	76.3	62.5	49.8	37.4	26.1	20.5	14.9
-28.75°	117.6	105.7	93.7	80.6	67.3	54.3	42.4	30.3	23.0	17.5	12.9
-30°	107.8	96.3	83.8	71.0	58.0	46.4	34.7	25.1	19.8	14.5	12.8
-31.25°	97.8	86.0	73.7	61.1	49.6	38.3	26.9	21.7	16.5	12.9	12.6
-32.5°	87.1	75.3	63.3	51.9	41.0	30.0	23.3	18.3	13.2	12.7	12.4
-33.75°	75.8	64.3	53.3	42.8	32.2	24.5	19.6	14.7	12.8	12.5	12.2
-35°	64.3	53.8	43.7	33.6	25.3	20.6	15.9	12.9	12.6	12.3	12.0
-36.25°	53.3	43.7	34.0	25.7	21.2	16.6	12.9	12.7	12.4	12.1	11.8
-37.5°	42.8	33.6	25.7	21.4	17.0	13.0	12.7	12.5	12.2	11.9	11.6
-38.75°	32.2	25.3	21.2	17.0	13.0	12.7	12.5	12.2	11.9	11.6	11.3
-40°	24.5	20.6	16.6	13.0	12.7	12.5	12.3	12.0	11.7	11.4	11.1
-41.25°	19.6	15.9	12.9	12.7	12.5	12.3	12.0	11.7	11.4	11.2	10.9
-42.5°	14.7	12.9	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.9	10.6
-43.75°	12.8	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9	10.7	10.4
-45°	12.5	12.3	12.1	11.9	11.6	11.4	11.2	10.9	10.7	10.4	10.2
-46.25°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	9.9
-47.5°	11.9	11.7	11.5	11.3	11.0	10.8	10.6	10.4	10.1	9.9	9.7
-48.75°	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.1	9.9	9.7	9.6
-50°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.6	9.6
-51.25°	10.9	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.6	9.6	9.6
-52.5°	10.5	10.4	10.2	10.0	9.9	9.7	9.6	9.6	9.6	9.6	9.6
-53.75°	10.2	10.1	9.9	9.8	9.6	9.6	9.6	9.6	9.6	9.5	9.3
-55°	9.9	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.4	9.2	9.0
-56.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.3	9.1	8.9	8.7
-57.5°	9.6	9.6	9.6	9.6	9.5	9.3	9.2	9.0	8.8	8.6	8.5
-58.75°	9.6	9.6	9.5	9.3	9.2	9.0	8.9	8.7	8.5	8.3	8.2
-60°	9.4	9.3	9.2	9.0	8.9	8.7	8.5	8.4	8.2	8.1	7.9
-61.25°	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.8	7.6
-62.5°	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.8	7.6	7.5	7.3
-63.75°	8.4	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.0
-65°	8.0	7.9	7.8	7.7	7.5	7.4	7.3	7.1	7.0	6.9	6.9
-66.25°	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.9	6.9	6.9	6.9
-67.5°	7.3	7.2	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-68.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.7
-70°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.6	6.5
-71.25°	6.9	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2
-72.5°	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.2	6.1	5.9	5.7
-73.75°	6.4	6.3	6.3	6.2	6.1	6.0	5.8	5.7	5.5	5.3	5.1
-75°	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5
-76.25°	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.2	4.1
-77.5°	4.6	4.5	4.3	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.9



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.7	3.7	3.6	3.6
-80°	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
-81.25°	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0
-82.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7
-83.75°	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
-85°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5
-86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
-88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
85°	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9
83.75°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5	1.4	1.3
82.5°	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
81.25°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2
80°	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
78.75°	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9	2.8
77.5°	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0
76.25°	4.1	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.3
75°	4.4	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.7	3.6	3.5
73.75°	4.9	4.8	4.6	4.4	4.2	4.1	4.1	4.0	3.9	3.8	3.7
72.5°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.2	4.1	4.0	3.9
71.25°	6.1	5.9	5.7	5.5	5.2	5.0	4.7	4.5	4.3	4.2	4.1
70°	6.4	6.3	6.2	6.0	5.8	5.5	5.2	5.0	4.7	4.5	4.3
68.75°	6.6	6.5	6.4	6.3	6.2	6.0	5.7	5.5	5.2	4.9	4.6
67.5°	6.9	6.8	6.7	6.5	6.4	6.3	6.2	5.9	5.6	5.3	5.0
66.25°	6.9	6.9	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.8	5.5
65°	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.4	6.3	6.2	5.9
63.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.5	6.3	6.2
62.5°	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.5	6.4
61.25°	7.4	7.3	7.1	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6
60°	7.7	7.5	7.3	7.2	7.0	6.9	6.9	6.9	6.9	6.9	6.7
58.75°	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.9	6.9	6.9	6.9
57.5°	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.9	6.9	6.9
56.25°	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.9	6.9
55°	8.8	8.6	8.4	8.2	8.0	7.7	7.5	7.3	7.1	6.9	6.9
53.75°	9.1	8.9	8.6	8.4	8.2	8.0	7.7	7.5	7.3	7.0	6.9
52.5°	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2	7.0
51.25°	9.6	9.4	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2
50°	9.6	9.6	9.4	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3
48.75°	9.6	9.6	9.6	9.4	9.1	8.9	8.6	8.3	8.1	7.8	7.5
47.5°	9.6	9.6	9.6	9.6	9.3	9.1	8.8	8.5	8.3	8.0	7.7
46.25°	9.7	9.6	9.6	9.6	9.6	9.3	9.0	8.7	8.5	8.2	7.9
45°	9.9	9.7	9.6	9.6	9.6	9.5	9.2	8.9	8.6	8.3	8.1
43.75°	10.1	9.9	9.7	9.6	9.6	9.6	9.4	9.1	8.8	8.5	8.2
42.5°	10.4	10.1	9.9	9.6	9.6	9.6	9.6	9.3	9.0	8.7	8.4
41.25°	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.5	9.2	8.9	8.5
40°	10.8	10.5	10.2	10.0	9.7	9.6	9.6	9.6	9.3	9.0	8.7
38.75°	11.0	10.7	10.4	10.2	9.9	9.6	9.6	9.6	9.5	9.2	8.9
37.5°	11.3	11.0	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.3	9.0
36.25°	11.5	11.2	10.8	10.5	10.2	9.9	9.6	9.6	9.6	9.5	9.2
35°	11.7	11.4	11.0	10.7	10.4	10.1	9.8	9.6	9.6	9.6	9.3



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	11.9	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.6	9.6	9.4
32.5°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.6	9.6	9.6
31.25°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.6	9.6
30°	12.5	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.7	9.6	9.6
28.75°	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.8	9.6	9.6
27.5°	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.2	9.9	9.6	9.6
26.25°	12.9	12.6	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.6
25°	14.4	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.8	9.6
23.75°	16.9	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.9	9.6
22.5°	19.2	13.2	12.7	12.3	11.9	11.5	11.1	10.7	10.3	10.0	9.6
21.25°	21.5	15.3	12.8	12.4	12.0	11.6	11.2	10.8	10.4	10.1	9.7
20°	23.6	17.4	12.9	12.5	12.2	11.8	11.3	10.9	10.5	10.1	9.8
18.75°	25.6	19.3	13.0	12.6	12.3	11.9	11.4	11.0	10.6	10.2	9.8
17.5°	28.3	21.1	14.7	12.7	12.4	12.0	11.5	11.1	10.7	10.3	9.9
16.25°	32.4	22.9	16.4	12.8	12.4	12.1	11.6	11.2	10.8	10.4	10.0
15°	36.1	24.5	17.9	12.9	12.5	12.1	11.7	11.3	10.9	10.4	10.0
13.75°	39.6	25.9	19.3	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.1
12.5°	42.8	27.8	20.6	13.9	12.7	12.3	11.9	11.4	11.0	10.6	10.2
11.25°	45.7	30.5	21.8	15.1	12.7	12.3	11.9	11.5	11.0	10.6	10.2
10°	48.3	33.0	22.9	16.1	12.8	12.4	12.0	11.5	11.1	10.7	10.2
8.75°	50.6	35.3	23.8	17.0	12.8	12.4	12.0	11.6	11.1	10.7	10.3
7.5°	52.6	37.2	24.6	17.8	12.9	12.5	12.1	11.6	11.2	10.7	10.3
6.25°	54.3	38.8	25.3	18.4	12.9	12.5	12.1	11.7	11.2	10.8	10.3
5°	55.7	40.2	25.9	19.0	12.9	12.5	12.1	11.7	11.3	10.8	10.4
3.75°	56.8	41.2	26.3	19.4	13.0	12.6	12.2	11.7	11.3	10.8	10.4
2.5°	57.6	42.0	26.6	19.7	13.0	12.6	12.2	11.7	11.3	10.8	10.4
1.25°	58.0	42.4	26.8	19.9	13.0	12.6	12.2	11.7	11.3	10.8	10.4
0°	58.2	42.6	26.9	20.0	13.0	12.6	12.2	11.8	11.3	10.9	10.4
-1.25°	58.0	42.4	26.8	19.9	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-2.5°	57.6	42.0	26.6	19.7	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-3.75°	56.8	41.2	26.3	19.4	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-5°	55.7	40.2	25.9	19.0	12.9	12.5	12.1	11.7	11.3	10.8	10.4
-6.25°	54.3	38.8	25.3	18.4	12.9	12.5	12.1	11.7	11.2	10.8	10.3
-7.5°	52.6	37.2	24.6	17.8	12.9	12.5	12.1	11.6	11.2	10.7	10.3
-8.75°	50.6	35.3	23.8	17.0	12.8	12.4	12.0	11.6	11.1	10.7	10.3
-10°	48.3	33.0	22.9	16.1	12.8	12.4	12.0	11.5	11.1	10.7	10.2
-11.25°	45.7	30.5	21.8	15.1	12.7	12.3	11.9	11.5	11.0	10.6	10.2
-12.5°	42.8	27.8	20.6	13.9	12.7	12.3	11.9	11.4	11.0	10.6	10.2
-13.75°	39.6	25.9	19.3	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.1
-15°	36.1	24.5	17.9	12.9	12.5	12.1	11.7	11.3	10.9	10.4	10.0
-16.25°	32.4	22.9	16.4	12.8	12.4	12.1	11.6	11.2	10.8	10.4	10.0
-17.5°	28.3	21.1	14.7	12.7	12.4	12.0	11.5	11.1	10.7	10.3	9.9
-18.75°	25.6	19.3	13.0	12.6	12.3	11.9	11.4	11.0	10.6	10.2	9.8
-20°	23.6	17.4	12.9	12.5	12.2	11.8	11.3	10.9	10.5	10.1	9.8
-21.25°	21.5	15.3	12.8	12.4	12.0	11.6	11.2	10.8	10.4	10.1	9.7



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	19.2	13.2	12.7	12.3	11.9	11.5	11.1	10.7	10.3	10.0	9.6
-23.75°	16.9	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.9	9.6
-25°	14.4	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.8	9.6
-26.25°	12.9	12.6	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.6
-27.5°	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.2	9.9	9.6	9.6
-28.75°	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.8	9.6	9.6
-30°	12.5	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.7	9.6	9.6
-31.25°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.6	9.6
-32.5°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.6	9.6	9.6
-33.75°	11.9	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.6	9.6	9.4
-35°	11.7	11.4	11.0	10.7	10.4	10.1	9.8	9.6	9.6	9.6	9.3
-36.25°	11.5	11.2	10.8	10.5	10.2	9.9	9.6	9.6	9.6	9.5	9.2
-37.5°	11.3	11.0	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.3	9.0
-38.75°	11.0	10.7	10.4	10.2	9.9	9.6	9.6	9.6	9.5	9.2	8.9
-40°	10.8	10.5	10.2	10.0	9.7	9.6	9.6	9.6	9.3	9.0	8.7
-41.25°	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.5	9.2	8.9	8.5
-42.5°	10.4	10.1	9.9	9.6	9.6	9.6	9.6	9.3	9.0	8.7	8.4
-43.75°	10.1	9.9	9.7	9.6	9.6	9.6	9.4	9.1	8.8	8.5	8.2
-45°	9.9	9.7	9.6	9.6	9.6	9.5	9.2	8.9	8.6	8.3	8.1
-46.25°	9.7	9.6	9.6	9.6	9.6	9.3	9.0	8.7	8.5	8.2	7.9
-47.5°	9.6	9.6	9.6	9.6	9.3	9.1	8.8	8.5	8.3	8.0	7.7
-48.75°	9.6	9.6	9.6	9.4	9.1	8.9	8.6	8.3	8.1	7.8	7.5
-50°	9.6	9.6	9.4	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3
-51.25°	9.6	9.4	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.2
-52.5°	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.7	7.5	7.2	7.0
-53.75°	9.1	8.9	8.6	8.4	8.2	8.0	7.7	7.5	7.3	7.0	6.9
-55°	8.8	8.6	8.4	8.2	8.0	7.7	7.5	7.3	7.1	6.9	6.9
-56.25°	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.9	6.9
-57.5°	8.3	8.1	7.9	7.7	7.5	7.3	7.1	6.9	6.9	6.9	6.9
-58.75°	8.0	7.8	7.6	7.4	7.2	7.0	6.9	6.9	6.9	6.9	6.9
-60°	7.7	7.5	7.3	7.2	7.0	6.9	6.9	6.9	6.9	6.9	6.7
-61.25°	7.4	7.3	7.1	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.6
-62.5°	7.1	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.7	6.5	6.4
-63.75°	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7	6.5	6.3	6.2
-65°	6.9	6.9	6.9	6.9	6.9	6.7	6.6	6.4	6.3	6.2	5.9
-66.25°	6.9	6.9	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.8	5.5
-67.5°	6.9	6.8	6.7	6.5	6.4	6.3	6.2	5.9	5.6	5.3	5.0
-68.75°	6.6	6.5	6.4	6.3	6.2	6.0	5.7	5.5	5.2	4.9	4.6
-70°	6.4	6.3	6.2	6.0	5.8	5.5	5.2	5.0	4.7	4.5	4.3
-71.25°	6.1	5.9	5.7	5.5	5.2	5.0	4.7	4.5	4.3	4.2	4.1
-72.5°	5.5	5.3	5.1	4.9	4.7	4.5	4.3	4.2	4.1	4.0	3.9
-73.75°	4.9	4.8	4.6	4.4	4.2	4.1	4.1	4.0	3.9	3.8	3.7
-75°	4.4	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.7	3.6	3.5
-76.25°	4.1	4.0	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.3
-77.5°	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9	2.8
-80°	3.2	3.2	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
-81.25°	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.2
-82.5°	2.6	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7
-83.75°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.6	1.5	1.4	1.3
-85°	1.5	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9
-86.25°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
-87.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
86.25°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4
85°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5
83.75°	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6
82.5°	1.6	1.5	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.8	0.8
81.25°	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.9
80°	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
78.75°	2.7	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.6	1.5	1.3
77.5°	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.1	1.9	1.7	1.6
76.25°	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.2	2.0	1.8
75°	3.4	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.2	2.0
73.75°	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.3
72.5°	3.8	3.7	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7	2.5
71.25°	3.9	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.7
70°	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8
68.75°	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2	3.1	2.9
67.5°	4.7	4.4	4.2	4.1	3.9	3.8	3.7	3.5	3.3	3.2	3.0
66.25°	5.1	4.8	4.5	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.1
65°	5.5	5.2	4.9	4.5	4.2	4.1	3.9	3.8	3.6	3.4	3.2
63.75°	5.9	5.6	5.2	4.9	4.5	4.2	4.1	3.9	3.7	3.5	3.4
62.5°	6.2	6.0	5.6	5.2	4.8	4.4	4.2	4.0	3.8	3.7	3.5
61.25°	6.4	6.2	5.9	5.5	5.1	4.7	4.3	4.1	3.9	3.8	3.6
60°	6.6	6.4	6.2	5.9	5.5	5.0	4.6	4.3	4.1	3.9	3.7
58.75°	6.7	6.5	6.3	6.2	5.8	5.3	4.9	4.5	4.2	4.0	3.8
57.5°	6.9	6.7	6.5	6.3	6.1	5.6	5.2	4.7	4.3	4.1	3.9
56.25°	6.9	6.9	6.7	6.4	6.2	5.9	5.5	5.0	4.5	4.2	4.0
55°	6.9	6.9	6.8	6.6	6.4	6.2	5.7	5.2	4.7	4.3	4.1
53.75°	6.9	6.9	6.9	6.7	6.5	6.3	6.0	5.5	5.0	4.5	4.1
52.5°	6.9	6.9	6.9	6.9	6.6	6.4	6.2	5.8	5.2	4.7	4.2
51.25°	6.9	6.9	6.9	6.9	6.8	6.5	6.3	6.0	5.5	4.9	4.4
50°	7.1	6.9	6.9	6.9	6.9	6.7	6.4	6.2	5.7	5.1	4.6
48.75°	7.3	7.0	6.9	6.9	6.9	6.8	6.5	6.3	5.9	5.3	4.8
47.5°	7.4	7.1	6.9	6.9	6.9	6.9	6.6	6.4	6.1	5.5	4.9
46.25°	7.6	7.3	7.0	6.9	6.9	6.9	6.7	6.5	6.2	5.7	5.1
45°	7.8	7.5	7.2	6.9	6.9	6.9	6.9	6.6	6.3	5.9	5.3
43.75°	7.9	7.6	7.3	7.0	6.9	6.9	6.9	6.7	6.4	6.1	5.5
42.5°	8.1	7.8	7.5	7.1	6.9	6.9	6.9	6.8	6.5	6.2	5.7
41.25°	8.2	7.9	7.6	7.3	6.9	6.9	6.9	6.9	6.6	6.3	5.8
40°	8.4	8.1	7.7	7.4	7.1	6.9	6.9	6.9	6.7	6.4	6.0
38.75°	8.5	8.2	7.9	7.5	7.2	6.9	6.9	6.9	6.7	6.4	6.1
37.5°	8.7	8.3	8.0	7.7	7.3	7.0	6.9	6.9	6.8	6.5	6.2
36.25°	8.8	8.5	8.1	7.8	7.4	7.1	6.9	6.9	6.9	6.6	6.3
35°	9.0	8.6	8.2	7.9	7.5	7.2	6.9	6.9	6.9	6.7	6.3



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	9.1	8.7	8.4	8.0	7.6	7.3	6.9	6.9	6.9	6.7	6.4
32.5°	9.2	8.9	8.5	8.1	7.7	7.4	7.0	6.9	6.9	6.8	6.5
31.25°	9.3	9.0	8.6	8.2	7.9	7.5	7.1	6.9	6.9	6.9	6.5
30°	9.5	9.1	8.7	8.3	7.9	7.6	7.2	6.9	6.9	6.9	6.6
28.75°	9.6	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.9	6.9	6.6
27.5°	9.6	9.3	8.9	8.5	8.1	7.7	7.4	7.0	6.9	6.9	6.7
26.25°	9.6	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.9	6.9	6.8
25°	9.6	9.5	9.1	8.7	8.3	7.9	7.5	7.1	6.9	6.9	6.8
23.75°	9.6	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.9	6.8
22.5°	9.6	9.6	9.3	8.9	8.5	8.1	7.6	7.2	6.9	6.9	6.9
21.25°	9.6	9.6	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.9	6.9
20°	9.6	9.6	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.9	6.9
18.75°	9.6	9.6	9.5	9.1	8.7	8.2	7.8	7.4	7.0	6.9	6.9
17.5°	9.6	9.6	9.6	9.2	8.7	8.3	7.9	7.5	7.0	6.9	6.9
16.25°	9.6	9.6	9.6	9.2	8.8	8.4	7.9	7.5	7.1	6.9	6.9
15°	9.7	9.6	9.6	9.3	8.8	8.4	8.0	7.5	7.1	6.9	6.9
13.75°	9.7	9.6	9.6	9.3	8.9	8.5	8.0	7.6	7.1	6.9	6.9
12.5°	9.8	9.6	9.6	9.4	8.9	8.5	8.1	7.6	7.2	6.9	6.9
11.25°	9.8	9.6	9.6	9.4	9.0	8.5	8.1	7.7	7.2	6.9	6.9
10°	9.8	9.6	9.6	9.5	9.0	8.6	8.1	7.7	7.2	6.9	6.9
8.75°	9.9	9.6	9.6	9.5	9.0	8.6	8.2	7.7	7.3	6.9	6.9
7.5°	9.9	9.6	9.6	9.5	9.1	8.6	8.2	7.7	7.3	6.9	6.9
6.25°	9.9	9.6	9.6	9.5	9.1	8.6	8.2	7.8	7.3	6.9	6.9
5°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
3.75°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
2.5°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
1.25°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
0°	10.0	9.6	9.6	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.9
-1.25°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
-2.5°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
-3.75°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
-5°	10.0	9.6	9.6	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.9
-6.25°	9.9	9.6	9.6	9.5	9.1	8.6	8.2	7.8	7.3	6.9	6.9
-7.5°	9.9	9.6	9.6	9.5	9.1	8.6	8.2	7.7	7.3	6.9	6.9
-8.75°	9.9	9.6	9.6	9.5	9.0	8.6	8.2	7.7	7.3	6.9	6.9
-10°	9.8	9.6	9.6	9.5	9.0	8.6	8.1	7.7	7.2	6.9	6.9
-11.25°	9.8	9.6	9.6	9.4	9.0	8.5	8.1	7.7	7.2	6.9	6.9
-12.5°	9.8	9.6	9.6	9.4	8.9	8.5	8.1	7.6	7.2	6.9	6.9
-13.75°	9.7	9.6	9.6	9.3	8.9	8.5	8.0	7.6	7.1	6.9	6.9
-15°	9.7	9.6	9.6	9.3	8.8	8.4	8.0	7.5	7.1	6.9	6.9
-16.25°	9.6	9.6	9.6	9.2	8.8	8.4	7.9	7.5	7.1	6.9	6.9
-17.5°	9.6	9.6	9.6	9.2	8.7	8.3	7.9	7.5	7.0	6.9	6.9
-18.75°	9.6	9.6	9.5	9.1	8.7	8.2	7.8	7.4	7.0	6.9	6.9
-20°	9.6	9.6	9.4	9.0	8.6	8.2	7.8	7.3	6.9	6.9	6.9
-21.25°	9.6	9.6	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.9	6.9



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	9.6	9.6	9.3	8.9	8.5	8.1	7.6	7.2	6.9	6.9	6.9
-23.75°	9.6	9.6	9.2	8.8	8.4	8.0	7.6	7.2	6.9	6.9	6.8
-25°	9.6	9.5	9.1	8.7	8.3	7.9	7.5	7.1	6.9	6.9	6.8
-26.25°	9.6	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.9	6.9	6.8
-27.5°	9.6	9.3	8.9	8.5	8.1	7.7	7.4	7.0	6.9	6.9	6.7
-28.75°	9.6	9.2	8.8	8.4	8.0	7.7	7.3	6.9	6.9	6.9	6.6
-30°	9.5	9.1	8.7	8.3	7.9	7.6	7.2	6.9	6.9	6.9	6.6
-31.25°	9.3	9.0	8.6	8.2	7.9	7.5	7.1	6.9	6.9	6.9	6.5
-32.5°	9.2	8.9	8.5	8.1	7.7	7.4	7.0	6.9	6.9	6.8	6.5
-33.75°	9.1	8.7	8.4	8.0	7.6	7.3	6.9	6.9	6.9	6.7	6.4
-35°	9.0	8.6	8.2	7.9	7.5	7.2	6.9	6.9	6.9	6.7	6.3
-36.25°	8.8	8.5	8.1	7.8	7.4	7.1	6.9	6.9	6.9	6.6	6.3
-37.5°	8.7	8.3	8.0	7.7	7.3	7.0	6.9	6.9	6.8	6.5	6.2
-38.75°	8.5	8.2	7.9	7.5	7.2	6.9	6.9	6.9	6.7	6.4	6.1
-40°	8.4	8.1	7.7	7.4	7.1	6.9	6.9	6.9	6.7	6.4	6.0
-41.25°	8.2	7.9	7.6	7.3	6.9	6.9	6.9	6.9	6.6	6.3	5.8
-42.5°	8.1	7.8	7.5	7.1	6.9	6.9	6.9	6.8	6.5	6.2	5.7
-43.75°	7.9	7.6	7.3	7.0	6.9	6.9	6.9	6.7	6.4	6.1	5.5
-45°	7.8	7.5	7.2	6.9	6.9	6.9	6.9	6.6	6.3	5.9	5.3
-46.25°	7.6	7.3	7.0	6.9	6.9	6.9	6.7	6.5	6.2	5.7	5.1
-47.5°	7.4	7.1	6.9	6.9	6.9	6.9	6.6	6.4	6.1	5.5	4.9
-48.75°	7.3	7.0	6.9	6.9	6.9	6.8	6.5	6.3	5.9	5.3	4.8
-50°	7.1	6.9	6.9	6.9	6.9	6.7	6.4	6.2	5.7	5.1	4.6
-51.25°	6.9	6.9	6.9	6.9	6.8	6.5	6.3	6.0	5.5	4.9	4.4
-52.5°	6.9	6.9	6.9	6.9	6.6	6.4	6.2	5.8	5.2	4.7	4.2
-53.75°	6.9	6.9	6.9	6.7	6.5	6.3	6.0	5.5	5.0	4.5	4.1
-55°	6.9	6.9	6.8	6.6	6.4	6.2	5.7	5.2	4.7	4.3	4.1
-56.25°	6.9	6.9	6.7	6.4	6.2	5.9	5.5	5.0	4.5	4.2	4.0
-57.5°	6.9	6.7	6.5	6.3	6.1	5.6	5.2	4.7	4.3	4.1	3.9
-58.75°	6.7	6.5	6.3	6.2	5.8	5.3	4.9	4.5	4.2	4.0	3.8
-60°	6.6	6.4	6.2	5.9	5.5	5.0	4.6	4.3	4.1	3.9	3.7
-61.25°	6.4	6.2	5.9	5.5	5.1	4.7	4.3	4.1	3.9	3.8	3.6
-62.5°	6.2	6.0	5.6	5.2	4.8	4.4	4.2	4.0	3.8	3.7	3.5
-63.75°	5.9	5.6	5.2	4.9	4.5	4.2	4.1	3.9	3.7	3.5	3.4
-65°	5.5	5.2	4.9	4.5	4.2	4.1	3.9	3.8	3.6	3.4	3.2
-66.25°	5.1	4.8	4.5	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.1
-67.5°	4.7	4.4	4.2	4.1	3.9	3.8	3.7	3.5	3.3	3.2	3.0
-68.75°	4.3	4.2	4.1	3.9	3.8	3.7	3.5	3.4	3.2	3.1	2.9
-70°	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.2	3.1	2.9	2.8
-71.25°	3.9	3.8	3.7	3.6	3.5	3.3	3.2	3.1	2.9	2.8	2.7
-72.5°	3.8	3.7	3.5	3.4	3.3	3.2	3.1	2.9	2.8	2.7	2.5
-73.75°	3.6	3.5	3.4	3.2	3.1	3.0	2.9	2.8	2.7	2.5	2.3
-75°	3.4	3.3	3.2	3.1	3.0	2.8	2.7	2.6	2.4	2.2	2.0
-76.25°	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.4	2.2	2.0	1.8
-77.5°	3.0	2.9	2.8	2.7	2.6	2.4	2.3	2.1	1.9	1.7	1.6



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	2.7	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.6	1.5	1.3
-80°	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1
-81.25°	2.1	1.9	1.8	1.7	1.6	1.5	1.3	1.2	1.1	1.0	0.9
-82.5°	1.6	1.5	1.5	1.4	1.2	1.1	1.0	0.9	0.9	0.8	0.8
-83.75°	1.2	1.2	1.1	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6
-85°	0.9	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5
-86.25°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4
-87.5°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	6.0	5.3	4.6	4.1	3.8	3.4	3.0	2.7	2.0	1.3	0.7
32.5°	6.1	5.4	4.7	4.1	3.8	3.5	3.1	2.7	2.1	1.4	0.8
31.25°	6.2	5.5	4.8	4.2	3.8	3.5	3.1	2.7	2.1	1.4	0.8
30°	6.2	5.7	4.9	4.2	3.9	3.5	3.1	2.7	2.1	1.4	0.8
28.75°	6.3	5.8	5.0	4.3	3.9	3.6	3.2	2.8	2.2	1.4	0.8
27.5°	6.3	5.9	5.1	4.3	3.9	3.6	3.2	2.8	2.2	1.5	0.8
26.25°	6.4	6.0	5.2	4.4	4.0	3.6	3.2	2.8	2.2	1.5	0.8
25°	6.4	6.1	5.2	4.4	4.0	3.6	3.2	2.8	2.3	1.5	0.8
23.75°	6.5	6.1	5.3	4.5	4.0	3.7	3.3	2.9	2.3	1.5	0.8
22.5°	6.5	6.2	5.4	4.6	4.1	3.7	3.3	2.9	2.3	1.6	0.8
21.25°	6.6	6.2	5.5	4.6	4.1	3.7	3.3	2.9	2.4	1.6	0.8
20°	6.6	6.2	5.5	4.7	4.1	3.7	3.3	2.9	2.4	1.6	0.8
18.75°	6.6	6.3	5.6	4.8	4.1	3.8	3.4	2.9	2.4	1.6	0.9
17.5°	6.7	6.3	5.7	4.8	4.2	3.8	3.4	2.9	2.4	1.6	0.9
16.25°	6.7	6.3	5.7	4.9	4.2	3.8	3.4	3.0	2.5	1.6	0.9
15°	6.7	6.3	5.8	4.9	4.2	3.8	3.4	3.0	2.5	1.7	0.9
13.75°	6.8	6.4	5.8	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
12.5°	6.8	6.4	5.9	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
11.25°	6.8	6.4	5.9	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
10°	6.8	6.4	6.0	5.1	4.3	3.9	3.5	3.0	2.5	1.7	0.9
8.75°	6.8	6.4	6.0	5.1	4.3	3.9	3.5	3.0	2.6	1.7	0.9
7.5°	6.9	6.5	6.0	5.1	4.3	3.9	3.5	3.0	2.6	1.7	0.9
6.25°	6.9	6.5	6.0	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
5°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
3.75°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
2.5°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
1.25°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
0°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.1	2.6	1.8	0.9
-1.25°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-2.5°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-3.75°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-5°	6.9	6.5	6.1	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-6.25°	6.9	6.5	6.0	5.2	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-7.5°	6.9	6.5	6.0	5.1	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-8.75°	6.8	6.4	6.0	5.1	4.3	3.9	3.5	3.0	2.6	1.7	0.9
-10°	6.8	6.4	6.0	5.1	4.3	3.9	3.5	3.0	2.5	1.7	0.9
-11.25°	6.8	6.4	5.9	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
-12.5°	6.8	6.4	5.9	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
-13.75°	6.8	6.4	5.8	5.0	4.2	3.8	3.4	3.0	2.5	1.7	0.9
-15°	6.7	6.3	5.8	4.9	4.2	3.8	3.4	3.0	2.5	1.7	0.9
-16.25°	6.7	6.3	5.7	4.9	4.2	3.8	3.4	3.0	2.5	1.6	0.9
-17.5°	6.7	6.3	5.7	4.8	4.2	3.8	3.4	2.9	2.4	1.6	0.9
-18.75°	6.6	6.3	5.6	4.8	4.1	3.8	3.4	2.9	2.4	1.6	0.9
-20°	6.6	6.2	5.5	4.7	4.1	3.7	3.3	2.9	2.4	1.6	0.8
-21.25°	6.6	6.2	5.5	4.6	4.1	3.7	3.3	2.9	2.4	1.6	0.8



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220331 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)