

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: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

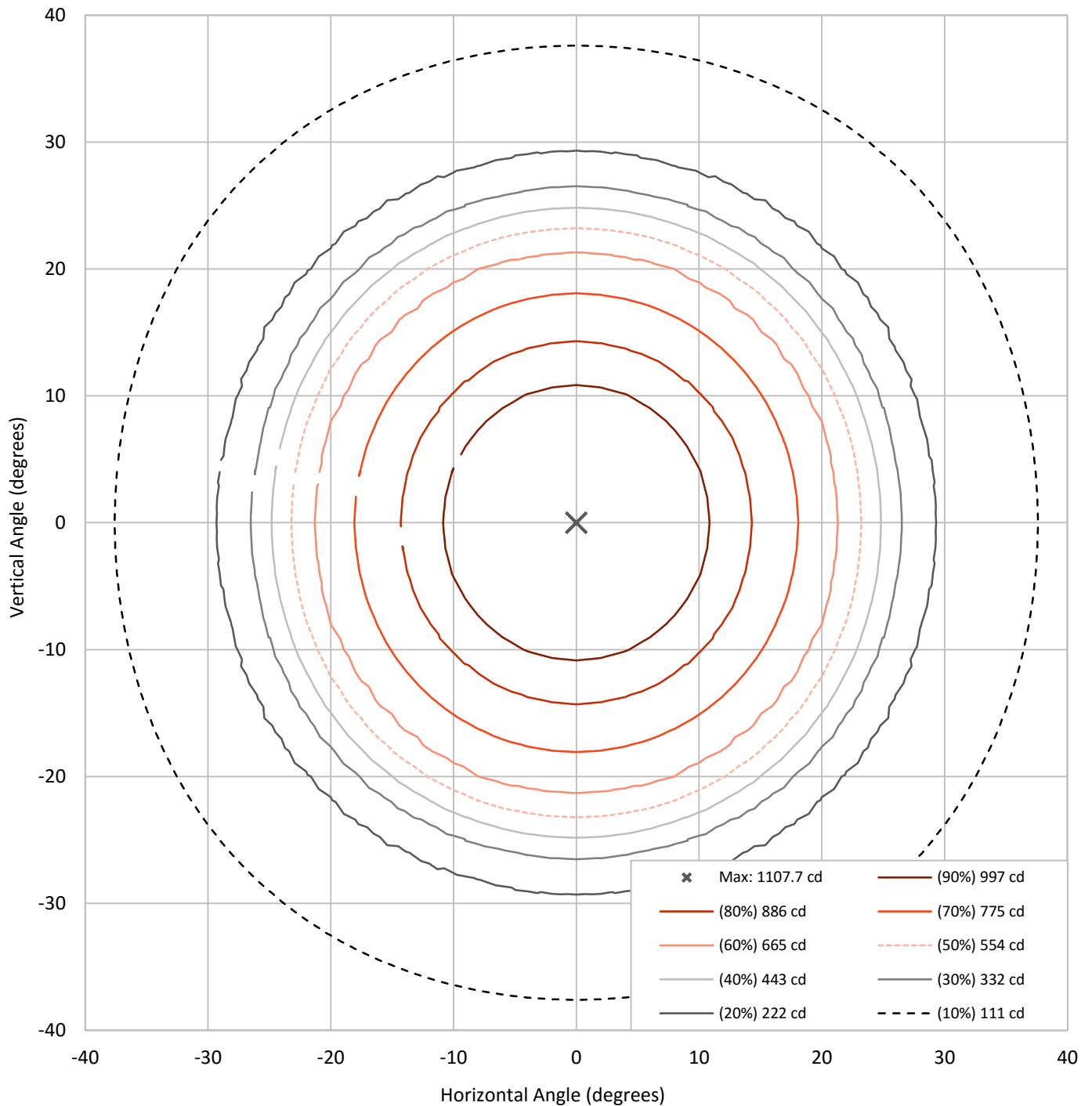
Test Method: LM-79-08
Report Number: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/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:	745.6 lumens	Max Intensity:	1107.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	76.1 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	428.3 lumens	Field Lumens:	610.2 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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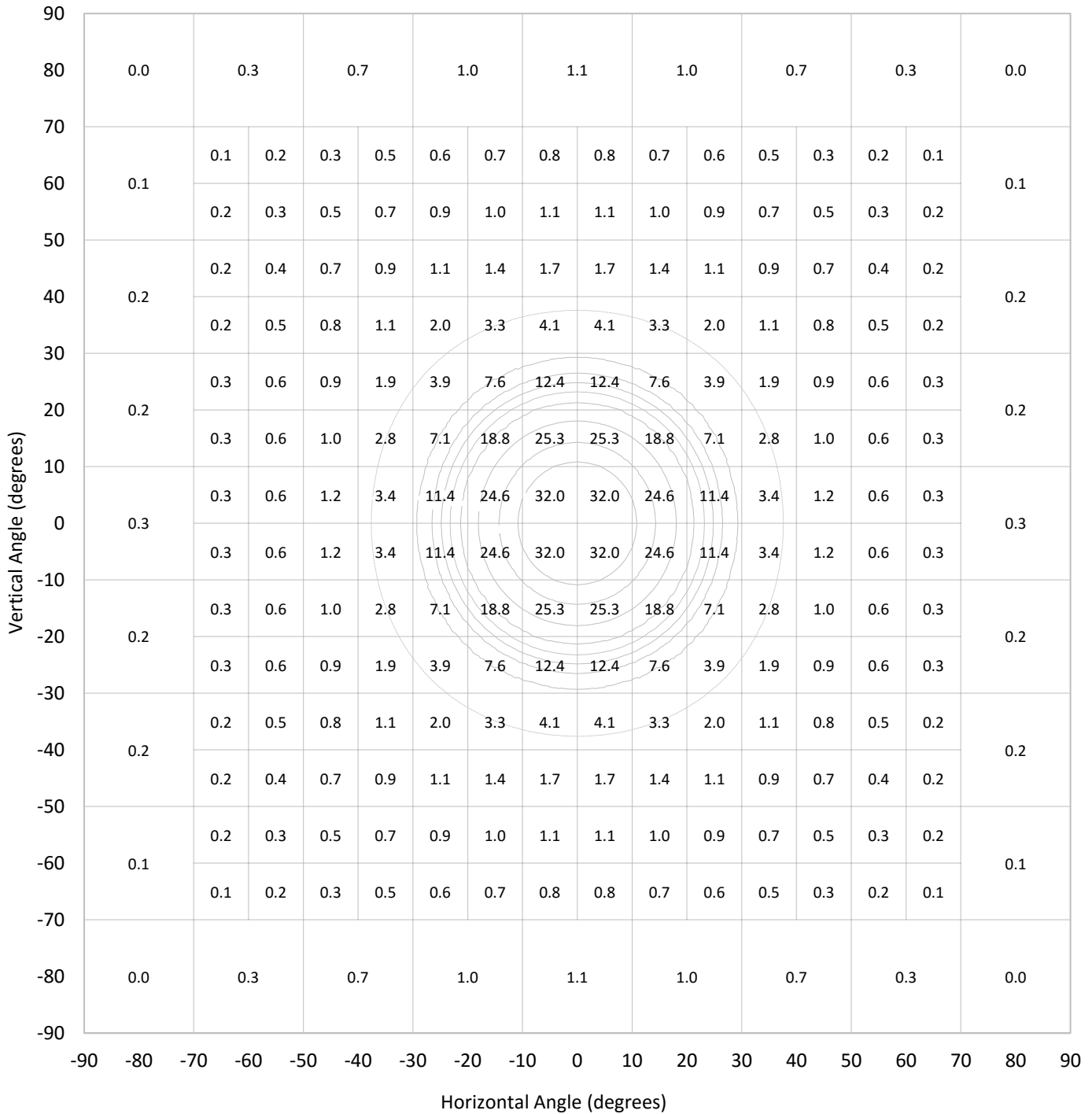
Iso-Candela Plot





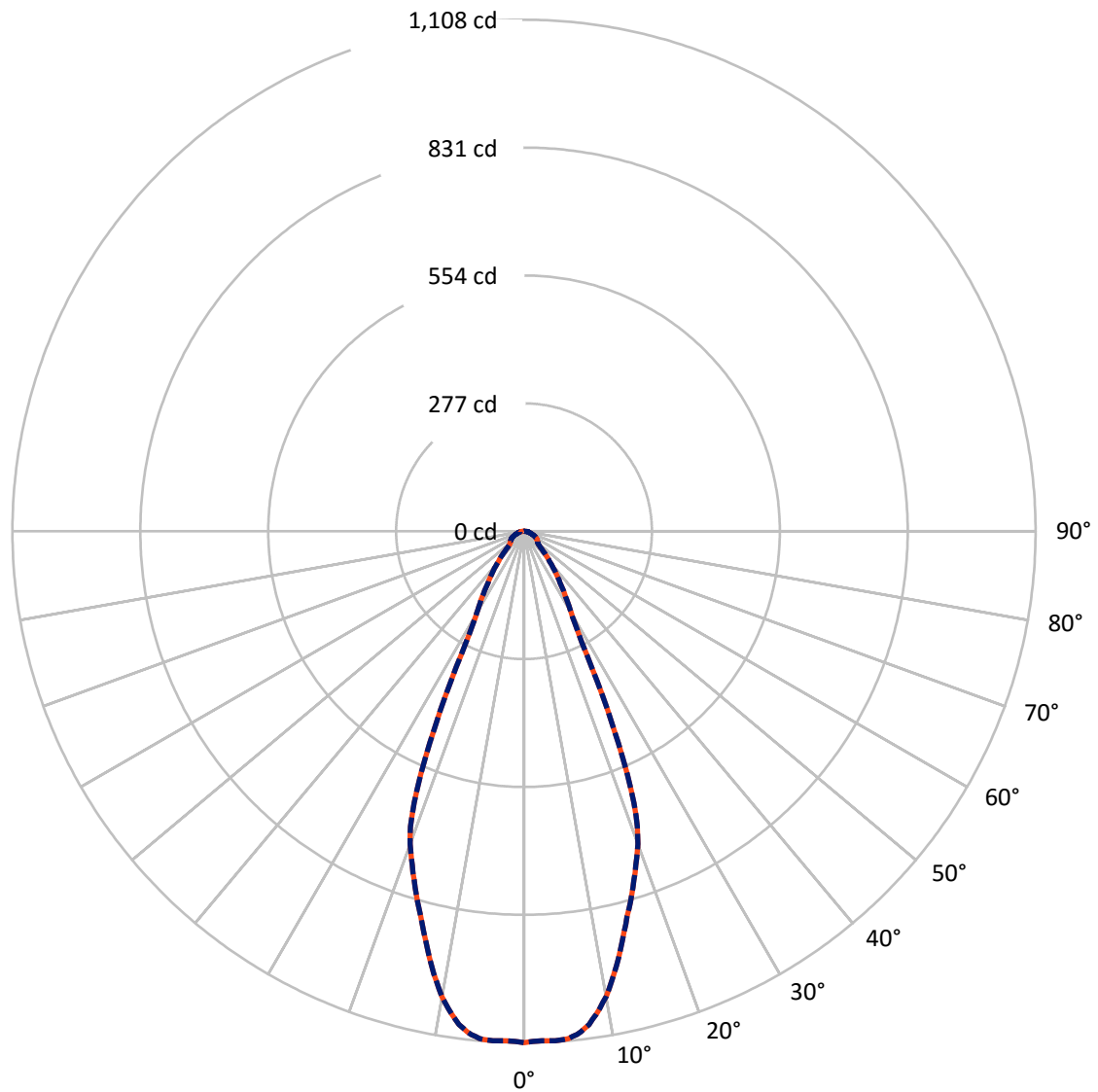
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Lumen Table



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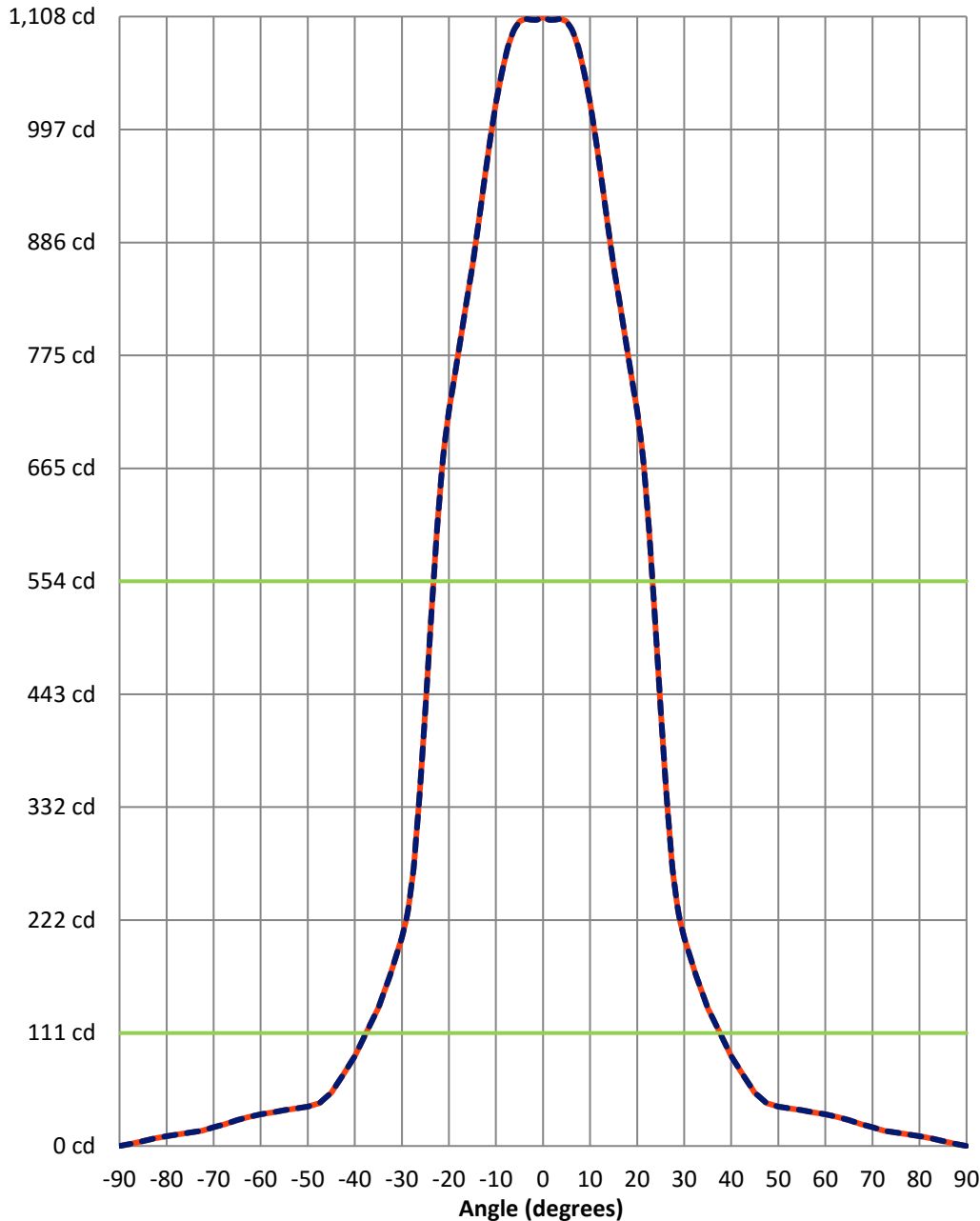
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 428.3
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 610.2
 Efficiency: 81.8%

Spill:
 Lumens: 135.4
 Efficiency: 18.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
86.25°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
78.75°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4
76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7
75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.9	3.2
72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7
70°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.6	4.0
68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.6	4.1	4.5
66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.3	3.8	4.3	4.8
65°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.4	4.0	4.5	5.1
63.75°	0.0	0.5	1.0	1.5	1.9	2.5	3.0	3.6	4.2	4.7	5.3
62.5°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	5.0	5.6
61.25°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.0	4.6	5.2	5.9
60°	0.0	0.5	1.1	1.6	2.2	2.8	3.5	4.1	4.8	5.4	6.1
58.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.6	4.3	5.0	5.7	6.4
57.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.8	4.5	5.2	5.9	6.6
56.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.4	6.1	6.9
55°	0.0	0.6	1.3	1.9	2.6	3.3	4.1	4.8	5.6	6.3	7.1
53.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.2	5.0	5.8	6.6	7.3
52.5°	0.0	0.7	1.3	2.0	2.8	3.6	4.3	5.1	6.0	6.8	7.6
51.25°	0.0	0.7	1.4	2.1	2.9	3.7	4.5	5.3	6.1	7.0	7.7
50°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.5	6.3	7.2	7.9
48.75°	0.0	0.7	1.5	2.2	3.0	3.9	4.7	5.6	6.5	7.4	8.1
47.5°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.3
46.25°	0.0	0.8	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.7	8.4
45°	0.0	0.8	1.6	2.4	3.3	4.2	5.1	6.1	7.0	7.9	8.6
43.75°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.2	8.0	8.8
42.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.4	6.4	7.3	8.1	8.9
41.25°	0.0	0.8	1.7	2.5	3.5	4.5	5.5	6.5	7.5	8.3	9.1
40°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.6	8.4	9.2
38.75°	0.0	0.9	1.7	2.6	3.7	4.7	5.7	6.8	7.7	8.6	9.4
37.5°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.9	7.9	8.7	9.5
36.25°	0.0	0.9	1.8	2.7	3.8	4.8	5.9	7.0	8.0	8.8	9.6
35°	0.0	0.9	1.8	2.8	3.9	4.9	6.0	7.1	8.1	8.9	9.8



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.2	8.2	9.0	9.9
32.5°	0.0	0.9	1.9	2.9	4.0	5.1	6.2	7.4	8.3	9.2	10.0
31.25°	0.0	0.9	1.9	2.9	4.0	5.2	6.3	7.5	8.4	9.3	10.1
30°	0.0	1.0	1.9	3.0	4.1	5.2	6.4	7.6	8.5	9.4	10.2
28.75°	0.0	1.0	1.9	3.0	4.2	5.3	6.5	7.6	8.6	9.5	10.3
27.5°	0.0	1.0	2.0	3.1	4.2	5.4	6.6	7.7	8.6	9.6	10.4
26.25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.8	8.7	9.7	10.5
25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.9	8.8	9.7	10.5
23.75°	0.0	1.0	2.0	3.2	4.4	5.6	6.8	7.9	8.9	9.8	10.6
22.5°	0.0	1.0	2.0	3.2	4.4	5.6	6.9	8.0	9.0	9.9	10.7
21.25°	0.0	1.0	2.1	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.8
20°	0.0	1.0	2.1	3.3	4.5	5.7	7.0	8.1	9.1	10.0	10.8
18.75°	0.0	1.0	2.1	3.3	4.5	5.8	7.1	8.2	9.1	10.1	10.9
17.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
16.25°	0.0	1.1	2.1	3.3	4.6	5.9	7.2	8.3	9.3	10.2	11.0
15°	0.0	1.1	2.1	3.4	4.6	5.9	7.2	8.3	9.3	10.2	11.1
13.75°	0.0	1.1	2.1	3.4	4.7	6.0	7.3	8.3	9.4	10.3	11.1
12.5°	0.0	1.1	2.1	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.2
11.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.2
10°	0.0	1.1	2.2	3.4	4.7	6.0	7.4	8.4	9.5	10.4	11.3
8.75°	0.0	1.1	2.2	3.5	4.7	6.1	7.4	8.5	9.5	10.4	11.3
7.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.5	10.4	11.3
6.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.5	10.5	11.3
5°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
3.75°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
2.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
1.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
0°	0.0	1.1	2.2	3.5	4.8	6.2	7.5	8.6	9.6	10.5	11.4
-1.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
-2.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
-3.75°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
-5°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.6	10.5	11.4
-6.25°	0.0	1.1	2.2	3.5	4.8	6.1	7.5	8.5	9.5	10.5	11.3
-7.5°	0.0	1.1	2.2	3.5	4.8	6.1	7.4	8.5	9.5	10.4	11.3
-8.75°	0.0	1.1	2.2	3.5	4.7	6.1	7.4	8.5	9.5	10.4	11.3
-10°	0.0	1.1	2.2	3.4	4.7	6.0	7.4	8.4	9.5	10.4	11.3
-11.25°	0.0	1.1	2.2	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.2
-12.5°	0.0	1.1	2.1	3.4	4.7	6.0	7.3	8.4	9.4	10.3	11.2
-13.75°	0.0	1.1	2.1	3.4	4.7	6.0	7.3	8.3	9.4	10.3	11.1
-15°	0.0	1.1	2.1	3.4	4.6	5.9	7.2	8.3	9.3	10.2	11.1
-16.25°	0.0	1.1	2.1	3.3	4.6	5.9	7.2	8.3	9.3	10.2	11.0
-17.5°	0.0	1.0	2.1	3.3	4.6	5.8	7.1	8.2	9.2	10.1	11.0
-18.75°	0.0	1.0	2.1	3.3	4.5	5.8	7.1	8.2	9.1	10.1	10.9
-20°	0.0	1.0	2.1	3.3	4.5	5.7	7.0	8.1	9.1	10.0	10.8
-21.25°	0.0	1.0	2.1	3.2	4.4	5.7	6.9	8.0	9.0	9.9	10.8



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.0	2.0	3.2	4.4	5.6	6.9	8.0	9.0	9.9	10.7
-23.75°	0.0	1.0	2.0	3.2	4.4	5.6	6.8	7.9	8.9	9.8	10.6
-25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.9	8.8	9.7	10.5
-26.25°	0.0	1.0	2.0	3.1	4.3	5.5	6.7	7.8	8.7	9.7	10.5
-27.5°	0.0	1.0	2.0	3.1	4.2	5.4	6.6	7.7	8.6	9.6	10.4
-28.75°	0.0	1.0	1.9	3.0	4.2	5.3	6.5	7.6	8.6	9.5	10.3
-30°	0.0	1.0	1.9	3.0	4.1	5.2	6.4	7.6	8.5	9.4	10.2
-31.25°	0.0	0.9	1.9	2.9	4.0	5.2	6.3	7.5	8.4	9.3	10.1
-32.5°	0.0	0.9	1.9	2.9	4.0	5.1	6.2	7.4	8.3	9.2	10.0
-33.75°	0.0	0.9	1.8	2.8	3.9	5.0	6.1	7.2	8.2	9.0	9.9
-35°	0.0	0.9	1.8	2.8	3.9	4.9	6.0	7.1	8.1	8.9	9.8
-36.25°	0.0	0.9	1.8	2.7	3.8	4.8	5.9	7.0	8.0	8.8	9.6
-37.5°	0.0	0.9	1.7	2.7	3.7	4.8	5.8	6.9	7.9	8.7	9.5
-38.75°	0.0	0.9	1.7	2.6	3.7	4.7	5.7	6.8	7.7	8.6	9.4
-40°	0.0	0.8	1.7	2.6	3.6	4.6	5.6	6.6	7.6	8.4	9.2
-41.25°	0.0	0.8	1.7	2.5	3.5	4.5	5.5	6.5	7.5	8.3	9.1
-42.5°	0.0	0.8	1.6	2.5	3.4	4.4	5.4	6.4	7.3	8.1	8.9
-43.75°	0.0	0.8	1.6	2.4	3.4	4.3	5.2	6.2	7.2	8.0	8.8
-45°	0.0	0.8	1.6	2.4	3.3	4.2	5.1	6.1	7.0	7.9	8.6
-46.25°	0.0	0.8	1.5	2.3	3.2	4.1	5.0	5.9	6.8	7.7	8.4
-47.5°	0.0	0.7	1.5	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.3
-48.75°	0.0	0.7	1.5	2.2	3.0	3.9	4.7	5.6	6.5	7.4	8.1
-50°	0.0	0.7	1.4	2.1	2.9	3.8	4.6	5.5	6.3	7.2	7.9
-51.25°	0.0	0.7	1.4	2.1	2.9	3.7	4.5	5.3	6.1	7.0	7.7
-52.5°	0.0	0.7	1.3	2.0	2.8	3.6	4.3	5.1	6.0	6.8	7.6
-53.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.2	5.0	5.8	6.6	7.3
-55°	0.0	0.6	1.3	1.9	2.6	3.3	4.1	4.8	5.6	6.3	7.1
-56.25°	0.0	0.6	1.2	1.8	2.5	3.2	3.9	4.6	5.4	6.1	6.9
-57.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.8	4.5	5.2	5.9	6.6
-58.75°	0.0	0.6	1.1	1.7	2.3	3.0	3.6	4.3	5.0	5.7	6.4
-60°	0.0	0.5	1.1	1.6	2.2	2.8	3.5	4.1	4.8	5.4	6.1
-61.25°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.0	4.6	5.2	5.9
-62.5°	0.0	0.5	1.0	1.5	2.0	2.6	3.2	3.8	4.4	5.0	5.6
-63.75°	0.0	0.5	1.0	1.5	1.9	2.5	3.0	3.6	4.2	4.7	5.3
-65°	0.0	0.5	0.9	1.4	1.9	2.3	2.9	3.4	4.0	4.5	5.1
-66.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.3	3.8	4.3	4.8
-67.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.6	3.1	3.6	4.1	4.5
-68.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.4	3.8	4.3
-70°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.6	4.0
-71.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7
-72.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.1	3.5
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.9	3.2
-75°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
-76.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.4	2.7
-77.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.1	2.4



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.1	1.3	1.5	1.7	1.9
-81.25°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
-82.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-83.75°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	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: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
82.5°	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
81.25°	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6
80°	2.1	2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2
78.75°	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7
77.5°	2.7	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.3
76.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
75°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.9	6.2	6.5
73.75°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.4	6.7	7.1
72.5°	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.5	6.9	7.3	7.6
71.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1
70°	4.4	4.9	5.3	5.8	6.2	6.7	7.1	7.5	7.9	8.2	8.5
68.75°	4.7	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.3	8.6	8.9
67.5°	5.0	5.5	6.0	6.5	7.0	7.5	7.9	8.3	8.6	9.0	9.4
66.25°	5.3	5.9	6.4	6.9	7.4	7.9	8.3	8.6	9.0	9.4	9.8
65°	5.6	6.2	6.7	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
63.75°	5.9	6.5	7.1	7.6	8.1	8.5	8.9	9.4	9.8	10.2	10.5
62.5°	6.2	6.8	7.4	7.9	8.4	8.8	9.3	9.7	10.1	10.5	10.9
61.25°	6.5	7.1	7.7	8.2	8.7	9.2	9.6	10.0	10.4	10.8	11.2
60°	6.8	7.4	8.0	8.5	9.0	9.5	9.9	10.3	10.8	11.2	11.6
58.75°	7.0	7.7	8.2	8.7	9.3	9.8	10.2	10.6	11.1	11.5	12.0
57.5°	7.3	7.9	8.5	9.0	9.6	10.0	10.5	10.9	11.4	11.8	12.3
56.25°	7.6	8.1	8.7	9.3	9.8	10.3	10.8	11.2	11.7	12.2	12.6
55°	7.8	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
53.75°	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3
52.5°	8.2	8.8	9.4	10.0	10.5	11.1	11.6	12.1	12.6	13.1	13.6
51.25°	8.4	9.0	9.7	10.2	10.8	11.3	11.8	12.4	12.9	13.4	13.9
50°	8.6	9.2	9.9	10.4	11.0	11.5	12.1	12.7	13.2	13.7	14.2
48.75°	8.8	9.5	10.1	10.6	11.2	11.8	12.4	12.9	13.5	14.0	14.5
47.5°	9.0	9.7	10.2	10.8	11.4	12.0	12.6	13.2	13.7	14.3	14.8
46.25°	9.1	9.8	10.4	11.0	11.6	12.3	12.9	13.4	14.0	14.6	15.3
45°	9.3	10.0	10.6	11.2	11.9	12.5	13.1	13.7	14.3	14.8	15.9
43.75°	9.5	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.3	16.5
42.5°	9.7	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.7	15.8	17.0
41.25°	9.8	10.5	11.1	11.8	12.5	13.1	13.8	14.4	15.1	16.3	17.6
40°	10.0	10.6	11.3	12.0	12.7	13.3	14.0	14.6	15.6	16.8	18.1
38.75°	10.1	10.8	11.5	12.2	12.9	13.5	14.2	14.8	16.0	17.3	18.6
37.5°	10.2	10.9	11.6	12.3	13.0	13.7	14.4	15.1	16.5	17.8	19.1
36.25°	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.6	16.9	18.3	19.5
35°	10.5	11.2	11.9	12.7	13.4	14.1	14.7	16.0	17.4	18.7	19.9



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 CATALOG NUMBER: 1003-[A1, 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°	10.6	11.3	12.1	12.8	13.5	14.2	15.0	16.4	17.8	19.1	20.4
32.5°	10.7	11.5	12.2	13.0	13.7	14.4	15.3	16.8	18.2	19.5	20.8
31.25°	10.8	11.6	12.4	13.1	13.8	14.6	15.7	17.1	18.6	19.9	21.1
30°	11.0	11.7	12.5	13.3	14.0	14.7	16.0	17.5	18.9	20.2	21.5
28.75°	11.1	11.8	12.6	13.4	14.1	14.9	16.3	17.8	19.2	20.6	22.0
27.5°	11.2	12.0	12.7	13.5	14.3	15.1	16.7	18.2	19.6	20.9	22.4
26.25°	11.3	12.1	12.9	13.6	14.4	15.4	17.0	18.5	19.9	21.2	22.9
25°	11.4	12.2	13.0	13.8	14.5	15.7	17.2	18.8	20.1	21.5	23.3
23.75°	11.4	12.3	13.1	13.9	14.6	15.9	17.5	19.0	20.4	21.9	23.7
22.5°	11.5	12.4	13.2	14.0	14.7	16.2	17.8	19.3	20.7	22.3	24.0
21.25°	11.6	12.5	13.3	14.1	14.9	16.4	18.0	19.5	20.9	22.6	24.4
20°	11.7	12.5	13.4	14.2	15.0	16.6	18.3	19.7	21.2	22.9	24.7
18.75°	11.8	12.6	13.4	14.2	15.2	16.9	18.5	19.9	21.4	23.2	25.0
17.5°	11.8	12.7	13.5	14.3	15.4	17.1	18.7	20.1	21.6	23.5	25.3
16.25°	11.9	12.8	13.6	14.4	15.6	17.2	18.8	20.3	21.9	23.7	25.6
15°	12.0	12.8	13.7	14.5	15.7	17.4	19.0	20.5	22.1	24.0	25.8
13.75°	12.0	12.9	13.7	14.5	15.9	17.6	19.2	20.7	22.3	24.2	25.9
12.5°	12.1	12.9	13.8	14.6	16.0	17.7	19.3	20.8	22.5	24.4	26.1
11.25°	12.1	13.0	13.8	14.7	16.1	17.8	19.4	20.9	22.7	24.6	26.3
10°	12.1	13.0	13.9	14.7	16.2	18.0	19.5	21.1	22.9	24.8	26.4
8.75°	12.2	13.1	13.9	14.8	16.3	18.1	19.6	21.2	23.0	24.9	26.5
7.5°	12.2	13.1	14.0	14.8	16.4	18.2	19.7	21.2	23.1	25.0	26.7
6.25°	12.2	13.1	14.0	14.8	16.5	18.2	19.8	21.3	23.2	25.2	26.7
5°	12.3	13.2	14.0	14.9	16.5	18.3	19.8	21.4	23.3	25.2	26.8
3.75°	12.3	13.2	14.0	14.9	16.6	18.3	19.9	21.4	23.4	25.3	26.9
2.5°	12.3	13.2	14.0	14.9	16.6	18.4	19.9	21.5	23.4	25.4	26.9
1.25°	12.3	13.2	14.0	14.9	16.6	18.4	19.9	21.5	23.4	25.4	26.9
0°	12.3	13.2	14.1	14.9	16.7	18.4	20.0	21.5	23.5	25.4	27.0
-1.25°	12.3	13.2	14.0	14.9	16.6	18.4	19.9	21.5	23.4	25.4	26.9
-2.5°	12.3	13.2	14.0	14.9	16.6	18.4	19.9	21.5	23.4	25.4	26.9
-3.75°	12.3	13.2	14.0	14.9	16.6	18.3	19.9	21.4	23.4	25.3	26.9
-5°	12.3	13.2	14.0	14.9	16.5	18.3	19.8	21.4	23.3	25.2	26.8
-6.25°	12.2	13.1	14.0	14.8	16.5	18.2	19.8	21.3	23.2	25.2	26.7
-7.5°	12.2	13.1	14.0	14.8	16.4	18.2	19.7	21.2	23.1	25.0	26.7
-8.75°	12.2	13.1	13.9	14.8	16.3	18.1	19.6	21.2	23.0	24.9	26.5
-10°	12.1	13.0	13.9	14.7	16.2	18.0	19.5	21.1	22.9	24.8	26.4
-11.25°	12.1	13.0	13.8	14.7	16.1	17.8	19.4	20.9	22.7	24.6	26.3
-12.5°	12.1	12.9	13.8	14.6	16.0	17.7	19.3	20.8	22.5	24.4	26.1
-13.75°	12.0	12.9	13.7	14.5	15.9	17.6	19.2	20.7	22.3	24.2	25.9
-15°	12.0	12.8	13.7	14.5	15.7	17.4	19.0	20.5	22.1	24.0	25.8
-16.25°	11.9	12.8	13.6	14.4	15.6	17.2	18.8	20.3	21.9	23.7	25.6
-17.5°	11.8	12.7	13.5	14.3	15.4	17.1	18.7	20.1	21.6	23.5	25.3
-18.75°	11.8	12.6	13.4	14.2	15.2	16.9	18.5	19.9	21.4	23.2	25.0
-20°	11.7	12.5	13.4	14.2	15.0	16.6	18.3	19.7	21.2	22.9	24.7
-21.25°	11.6	12.5	13.3	14.1	14.9	16.4	18.0	19.5	20.9	22.6	24.4



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 CATALOG NUMBER: 1003-[A1, 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°	11.5	12.4	13.2	14.0	14.7	16.2	17.8	19.3	20.7	22.3	24.0
-23.75°	11.4	12.3	13.1	13.9	14.6	15.9	17.5	19.0	20.4	21.9	23.7
-25°	11.4	12.2	13.0	13.8	14.5	15.7	17.2	18.8	20.1	21.5	23.3
-26.25°	11.3	12.1	12.9	13.6	14.4	15.4	17.0	18.5	19.9	21.2	22.9
-27.5°	11.2	12.0	12.7	13.5	14.3	15.1	16.7	18.2	19.6	20.9	22.4
-28.75°	11.1	11.8	12.6	13.4	14.1	14.9	16.3	17.8	19.2	20.6	22.0
-30°	11.0	11.7	12.5	13.3	14.0	14.7	16.0	17.5	18.9	20.2	21.5
-31.25°	10.8	11.6	12.4	13.1	13.8	14.6	15.7	17.1	18.6	19.9	21.1
-32.5°	10.7	11.5	12.2	13.0	13.7	14.4	15.3	16.8	18.2	19.5	20.8
-33.75°	10.6	11.3	12.1	12.8	13.5	14.2	15.0	16.4	17.8	19.1	20.4
-35°	10.5	11.2	11.9	12.7	13.4	14.1	14.7	16.0	17.4	18.7	19.9
-36.25°	10.4	11.1	11.8	12.5	13.2	13.9	14.6	15.6	16.9	18.3	19.5
-37.5°	10.2	10.9	11.6	12.3	13.0	13.7	14.4	15.1	16.5	17.8	19.1
-38.75°	10.1	10.8	11.5	12.2	12.9	13.5	14.2	14.8	16.0	17.3	18.6
-40°	10.0	10.6	11.3	12.0	12.7	13.3	14.0	14.6	15.6	16.8	18.1
-41.25°	9.8	10.5	11.1	11.8	12.5	13.1	13.8	14.4	15.1	16.3	17.6
-42.5°	9.7	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.7	15.8	17.0
-43.75°	9.5	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.3	16.5
-45°	9.3	10.0	10.6	11.2	11.9	12.5	13.1	13.7	14.3	14.8	15.9
-46.25°	9.1	9.8	10.4	11.0	11.6	12.3	12.9	13.4	14.0	14.6	15.3
-47.5°	9.0	9.7	10.2	10.8	11.4	12.0	12.6	13.2	13.7	14.3	14.8
-48.75°	8.8	9.5	10.1	10.6	11.2	11.8	12.4	12.9	13.5	14.0	14.5
-50°	8.6	9.2	9.9	10.4	11.0	11.5	12.1	12.7	13.2	13.7	14.2
-51.25°	8.4	9.0	9.7	10.2	10.8	11.3	11.8	12.4	12.9	13.4	13.9
-52.5°	8.2	8.8	9.4	10.0	10.5	11.1	11.6	12.1	12.6	13.1	13.6
-53.75°	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.8	12.3	12.8	13.3
-55°	7.8	8.4	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0
-56.25°	7.6	8.1	8.7	9.3	9.8	10.3	10.8	11.2	11.7	12.2	12.6
-57.5°	7.3	7.9	8.5	9.0	9.6	10.0	10.5	10.9	11.4	11.8	12.3
-58.75°	7.0	7.7	8.2	8.7	9.3	9.8	10.2	10.6	11.1	11.5	12.0
-60°	6.8	7.4	8.0	8.5	9.0	9.5	9.9	10.3	10.8	11.2	11.6
-61.25°	6.5	7.1	7.7	8.2	8.7	9.2	9.6	10.0	10.4	10.8	11.2
-62.5°	6.2	6.8	7.4	7.9	8.4	8.8	9.3	9.7	10.1	10.5	10.9
-63.75°	5.9	6.5	7.1	7.6	8.1	8.5	8.9	9.4	9.8	10.2	10.5
-65°	5.6	6.2	6.7	7.3	7.8	8.2	8.6	9.0	9.4	9.8	10.2
-66.25°	5.3	5.9	6.4	6.9	7.4	7.9	8.3	8.6	9.0	9.4	9.8
-67.5°	5.0	5.5	6.0	6.5	7.0	7.5	7.9	8.3	8.6	9.0	9.4
-68.75°	4.7	5.2	5.7	6.2	6.6	7.1	7.5	7.9	8.3	8.6	8.9
-70°	4.4	4.9	5.3	5.8	6.2	6.7	7.1	7.5	7.9	8.2	8.5
-71.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1
-72.5°	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.5	6.9	7.3	7.6
-73.75°	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.4	6.7	7.1
-75°	3.3	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.9	6.2	6.5
-76.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9
-77.5°	2.7	2.9	3.2	3.5	3.7	4.0	4.3	4.5	4.8	5.1	5.3



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	2.4	2.6	2.9	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7
-80°	2.1	2.3	2.5	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2
-81.25°	1.8	2.0	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.6
-82.5°	1.6	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0
-83.75°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.5
-85°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9
-86.25°	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
-87.5°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9	1.0
-88.75°	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
85°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9
83.75°	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8
82.5°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
81.25°	3.8	4.0	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5
80°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3
78.75°	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.6	6.8	7.0	7.2
77.5°	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.6	7.7	7.9
76.25°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.0	8.2	8.4	8.6
75°	6.8	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.2
73.75°	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.4	9.7	9.9
72.5°	7.9	8.2	8.5	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4
71.25°	8.4	8.7	9.0	9.3	9.6	9.8	10.0	10.3	10.5	10.8	11.0
70°	8.8	9.2	9.5	9.8	10.0	10.3	10.5	10.8	11.1	11.3	11.5
68.75°	9.3	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.6	11.8	12.1
67.5°	9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.7
66.25°	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2
65°	10.5	10.8	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.4	13.7
63.75°	10.9	11.2	11.6	12.0	12.3	12.6	13.0	13.3	13.6	13.9	14.2
62.5°	11.3	11.6	12.0	12.4	12.7	13.1	13.4	13.8	14.1	14.4	14.7
61.25°	11.6	12.0	12.4	12.8	13.2	13.5	13.9	14.2	14.6	14.9	15.6
60°	12.0	12.4	12.8	13.2	13.6	14.0	14.3	14.7	15.2	15.9	16.6
58.75°	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.4	16.2	16.9	17.7
57.5°	12.7	13.2	13.6	14.0	14.4	14.8	15.5	16.3	17.1	17.9	18.7
56.25°	13.1	13.5	14.0	14.4	14.8	15.6	16.4	17.3	18.1	18.8	19.5
55°	13.4	13.9	14.3	14.8	15.5	16.4	17.3	18.2	18.9	19.7	20.4
53.75°	13.8	14.2	14.7	15.4	16.3	17.3	18.2	19.0	19.8	20.5	21.3
52.5°	14.1	14.6	15.2	16.2	17.1	18.1	18.9	19.8	20.6	21.4	22.3
51.25°	14.4	14.9	15.9	16.9	17.9	18.8	19.7	20.5	21.4	22.4	23.4
50°	14.7	15.6	16.6	17.7	18.7	19.5	20.4	21.3	22.3	23.4	24.5
48.75°	15.2	16.3	17.3	18.4	19.3	20.2	21.2	22.2	23.3	24.4	25.5
47.5°	15.8	16.9	18.0	19.0	20.0	20.9	22.0	23.1	24.3	25.4	26.3
46.25°	16.5	17.6	18.7	19.7	20.6	21.6	22.9	24.1	25.2	26.2	27.1
45°	17.1	18.2	19.3	20.3	21.3	22.5	23.7	25.0	26.0	27.0	27.9
43.75°	17.7	18.8	19.9	20.9	22.0	23.3	24.6	25.8	26.7	27.7	28.7
42.5°	18.3	19.4	20.4	21.5	22.8	24.1	25.4	26.4	27.5	28.5	29.3
41.25°	18.8	19.9	21.0	22.2	23.6	24.9	26.1	27.1	28.2	29.1	30.0
40°	19.3	20.4	21.5	22.9	24.3	25.6	26.7	27.8	28.8	29.7	30.6
38.75°	19.8	20.9	22.2	23.6	25.0	26.2	27.3	28.5	29.4	30.3	31.2
37.5°	20.2	21.4	22.9	24.3	25.7	26.8	28.0	29.0	29.9	30.9	31.6
36.25°	20.7	22.0	23.5	25.0	26.2	27.4	28.6	29.5	30.5	31.3	32.0
35°	21.2	22.6	24.1	25.6	26.8	28.0	29.0	30.0	31.0	31.7	32.4



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	21.6	23.2	24.7	26.1	27.3	28.5	29.5	30.5	31.4	32.1	32.8
32.5°	22.2	23.7	25.3	26.6	27.8	29.0	30.0	31.0	31.7	32.4	33.2
31.25°	22.7	24.3	25.8	27.0	28.3	29.4	30.4	31.4	32.1	32.8	33.6
30°	23.2	24.8	26.2	27.5	28.7	29.8	30.9	31.7	32.4	33.2	34.1
28.75°	23.7	25.3	26.6	27.9	29.1	30.2	31.2	32.0	32.7	33.6	34.5
27.5°	24.1	25.7	27.0	28.4	29.5	30.6	31.5	32.3	33.1	34.0	34.9
26.25°	24.6	26.1	27.4	28.7	29.9	31.0	31.8	32.6	33.4	34.4	35.2
25°	25.0	26.4	27.8	29.1	30.2	31.3	32.1	32.8	33.8	34.7	35.5
23.75°	25.4	26.8	28.2	29.4	30.5	31.5	32.3	33.1	34.1	35.1	35.8
22.5°	25.7	27.1	28.5	29.7	30.9	31.7	32.5	33.4	34.4	35.3	36.1
21.25°	26.0	27.4	28.8	30.0	31.1	32.0	32.8	33.7	34.7	35.6	36.3
20°	26.3	27.7	29.0	30.2	31.3	32.2	33.0	34.0	35.0	35.8	36.6
18.75°	26.6	28.0	29.3	30.5	31.5	32.4	33.2	34.3	35.2	36.0	36.8
17.5°	26.8	28.3	29.5	30.7	31.7	32.5	33.5	34.5	35.4	36.2	37.0
16.25°	27.0	28.5	29.7	31.0	31.9	32.7	33.7	34.7	35.6	36.4	37.2
15°	27.2	28.7	29.9	31.2	32.0	32.9	33.9	35.0	35.8	36.6	37.4
13.75°	27.4	28.9	30.1	31.3	32.2	33.0	34.1	35.1	36.0	36.8	37.6
12.5°	27.6	29.0	30.3	31.4	32.3	33.2	34.3	35.3	36.1	36.9	37.8
11.25°	27.8	29.2	30.4	31.5	32.4	33.4	34.4	35.4	36.2	37.1	37.9
10°	27.9	29.3	30.6	31.6	32.5	33.5	34.6	35.5	36.3	37.2	38.1
8.75°	28.1	29.4	30.7	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
7.5°	28.2	29.5	30.8	31.8	32.7	33.7	34.8	35.7	36.5	37.4	38.3
6.25°	28.3	29.6	30.9	31.9	32.7	33.8	34.9	35.8	36.6	37.5	38.4
5°	28.4	29.7	31.0	31.9	32.8	33.9	35.0	35.8	36.7	37.6	38.5
3.75°	28.4	29.7	31.0	31.9	32.8	33.9	35.0	35.9	36.7	37.6	38.5
2.5°	28.5	29.8	31.1	32.0	32.9	34.0	35.1	35.9	36.8	37.7	38.6
1.25°	28.5	29.8	31.1	32.0	32.9	34.0	35.1	35.9	36.8	37.7	38.6
0°	28.5	29.8	31.1	32.0	32.9	34.0	35.1	36.0	36.8	37.7	38.6
-1.25°	28.5	29.8	31.1	32.0	32.9	34.0	35.1	35.9	36.8	37.7	38.6
-2.5°	28.5	29.8	31.1	32.0	32.9	34.0	35.1	35.9	36.8	37.7	38.6
-3.75°	28.4	29.7	31.0	31.9	32.8	33.9	35.0	35.9	36.7	37.6	38.5
-5°	28.4	29.7	31.0	31.9	32.8	33.9	35.0	35.8	36.7	37.6	38.5
-6.25°	28.3	29.6	30.9	31.9	32.7	33.8	34.9	35.8	36.6	37.5	38.4
-7.5°	28.2	29.5	30.8	31.8	32.7	33.7	34.8	35.7	36.5	37.4	38.3
-8.75°	28.1	29.4	30.7	31.7	32.6	33.6	34.7	35.6	36.5	37.3	38.2
-10°	27.9	29.3	30.6	31.6	32.5	33.5	34.6	35.5	36.3	37.2	38.1
-11.25°	27.8	29.2	30.4	31.5	32.4	33.4	34.4	35.4	36.2	37.1	37.9
-12.5°	27.6	29.0	30.3	31.4	32.3	33.2	34.3	35.3	36.1	36.9	37.8
-13.75°	27.4	28.9	30.1	31.3	32.2	33.0	34.1	35.1	36.0	36.8	37.6
-15°	27.2	28.7	29.9	31.2	32.0	32.9	33.9	35.0	35.8	36.6	37.4
-16.25°	27.0	28.5	29.7	31.0	31.9	32.7	33.7	34.7	35.6	36.4	37.2
-17.5°	26.8	28.3	29.5	30.7	31.7	32.5	33.5	34.5	35.4	36.2	37.0
-18.75°	26.6	28.0	29.3	30.5	31.5	32.4	33.2	34.3	35.2	36.0	36.8
-20°	26.3	27.7	29.0	30.2	31.3	32.2	33.0	34.0	35.0	35.8	36.6
-21.25°	26.0	27.4	28.8	30.0	31.1	32.0	32.8	33.7	34.7	35.6	36.3



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	25.7	27.1	28.5	29.7	30.9	31.7	32.5	33.4	34.4	35.3	36.1
-23.75°	25.4	26.8	28.2	29.4	30.5	31.5	32.3	33.1	34.1	35.1	35.8
-25°	25.0	26.4	27.8	29.1	30.2	31.3	32.1	32.8	33.8	34.7	35.5
-26.25°	24.6	26.1	27.4	28.7	29.9	31.0	31.8	32.6	33.4	34.4	35.2
-27.5°	24.1	25.7	27.0	28.4	29.5	30.6	31.5	32.3	33.1	34.0	34.9
-28.75°	23.7	25.3	26.6	27.9	29.1	30.2	31.2	32.0	32.7	33.6	34.5
-30°	23.2	24.8	26.2	27.5	28.7	29.8	30.9	31.7	32.4	33.2	34.1
-31.25°	22.7	24.3	25.8	27.0	28.3	29.4	30.4	31.4	32.1	32.8	33.6
-32.5°	22.2	23.7	25.3	26.6	27.8	29.0	30.0	31.0	31.7	32.4	33.2
-33.75°	21.6	23.2	24.7	26.1	27.3	28.5	29.5	30.5	31.4	32.1	32.8
-35°	21.2	22.6	24.1	25.6	26.8	28.0	29.0	30.0	31.0	31.7	32.4
-36.25°	20.7	22.0	23.5	25.0	26.2	27.4	28.6	29.5	30.5	31.3	32.0
-37.5°	20.2	21.4	22.9	24.3	25.7	26.8	28.0	29.0	29.9	30.9	31.6
-38.75°	19.8	20.9	22.2	23.6	25.0	26.2	27.3	28.5	29.4	30.3	31.2
-40°	19.3	20.4	21.5	22.9	24.3	25.6	26.7	27.8	28.8	29.7	30.6
-41.25°	18.8	19.9	21.0	22.2	23.6	24.9	26.1	27.1	28.2	29.1	30.0
-42.5°	18.3	19.4	20.4	21.5	22.8	24.1	25.4	26.4	27.5	28.5	29.3
-43.75°	17.7	18.8	19.9	20.9	22.0	23.3	24.6	25.8	26.7	27.7	28.7
-45°	17.1	18.2	19.3	20.3	21.3	22.5	23.7	25.0	26.0	27.0	27.9
-46.25°	16.5	17.6	18.7	19.7	20.6	21.6	22.9	24.1	25.2	26.2	27.1
-47.5°	15.8	16.9	18.0	19.0	20.0	20.9	22.0	23.1	24.3	25.4	26.3
-48.75°	15.2	16.3	17.3	18.4	19.3	20.2	21.2	22.2	23.3	24.4	25.5
-50°	14.7	15.6	16.6	17.7	18.7	19.5	20.4	21.3	22.3	23.4	24.5
-51.25°	14.4	14.9	15.9	16.9	17.9	18.8	19.7	20.5	21.4	22.4	23.4
-52.5°	14.1	14.6	15.2	16.2	17.1	18.1	18.9	19.8	20.6	21.4	22.3
-53.75°	13.8	14.2	14.7	15.4	16.3	17.3	18.2	19.0	19.8	20.5	21.3
-55°	13.4	13.9	14.3	14.8	15.5	16.4	17.3	18.2	18.9	19.7	20.4
-56.25°	13.1	13.5	14.0	14.4	14.8	15.6	16.4	17.3	18.1	18.8	19.5
-57.5°	12.7	13.2	13.6	14.0	14.4	14.8	15.5	16.3	17.1	17.9	18.7
-58.75°	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.4	16.2	16.9	17.7
-60°	12.0	12.4	12.8	13.2	13.6	14.0	14.3	14.7	15.2	15.9	16.6
-61.25°	11.6	12.0	12.4	12.8	13.2	13.5	13.9	14.2	14.6	14.9	15.6
-62.5°	11.3	11.6	12.0	12.4	12.7	13.1	13.4	13.8	14.1	14.4	14.7
-63.75°	10.9	11.2	11.6	12.0	12.3	12.6	13.0	13.3	13.6	13.9	14.2
-65°	10.5	10.8	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.4	13.7
-66.25°	10.1	10.4	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.9	13.2
-67.5°	9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.7
-68.75°	9.3	9.6	9.9	10.2	10.5	10.8	11.0	11.3	11.6	11.8	12.1
-70°	8.8	9.2	9.5	9.8	10.0	10.3	10.5	10.8	11.1	11.3	11.5
-71.25°	8.4	8.7	9.0	9.3	9.6	9.8	10.0	10.3	10.5	10.8	11.0
-72.5°	7.9	8.2	8.5	8.7	9.0	9.3	9.5	9.8	10.0	10.2	10.4
-73.75°	7.4	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.4	9.7	9.9
-75°	6.8	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.2
-76.25°	6.2	6.5	6.8	7.0	7.3	7.6	7.8	8.0	8.2	8.4	8.6
-77.5°	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.6	7.7	7.9



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.6	6.8	7.0	7.2
-80°	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.1	6.3
-81.25°	3.8	4.0	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.3	5.5
-82.5°	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
-83.75°	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.6	3.7	3.8
-85°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9
-86.25°	1.5	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1
-87.5°	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
86.25°	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
85°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8
83.75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8
82.5°	4.7	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9
81.25°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
80°	6.5	6.7	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0
78.75°	7.4	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.6	8.7	8.8
77.5°	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.2	9.4	9.5	9.6
76.25°	8.8	9.0	9.1	9.3	9.5	9.7	9.8	10.0	10.1	10.2	10.4
75°	9.5	9.7	9.8	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1
73.75°	10.1	10.2	10.4	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.8
72.5°	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.5
71.25°	11.2	11.4	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.2
70°	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9
68.75°	12.4	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6
67.5°	12.9	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.1	15.6
66.25°	13.5	13.7	14.0	14.3	14.5	14.7	15.1	15.6	16.0	16.5	16.9
65°	14.0	14.3	14.6	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3
63.75°	14.5	14.8	15.3	15.9	16.5	17.0	17.6	18.1	18.6	19.1	19.5
62.5°	15.2	15.8	16.5	17.1	17.7	18.3	18.8	19.3	19.8	20.2	20.7
61.25°	16.3	16.9	17.6	18.2	18.8	19.4	19.9	20.4	20.9	21.4	22.0
60°	17.3	18.0	18.7	19.3	19.9	20.4	21.0	21.5	22.2	22.9	23.5
58.75°	18.4	19.0	19.7	20.3	20.9	21.5	22.2	22.9	23.6	24.3	25.0
57.5°	19.3	20.0	20.6	21.3	22.0	22.8	23.6	24.3	25.0	25.7	26.2
56.25°	20.2	20.9	21.6	22.5	23.3	24.1	24.9	25.6	26.2	26.8	27.4
55°	21.2	22.0	22.9	23.7	24.6	25.4	26.1	26.7	27.3	28.0	28.6
53.75°	22.2	23.1	24.1	25.0	25.8	26.4	27.1	27.8	28.5	29.0	29.5
52.5°	23.3	24.3	25.2	26.0	26.7	27.5	28.2	28.8	29.4	29.9	30.5
51.25°	24.4	25.4	26.2	27.0	27.7	28.5	29.1	29.7	30.3	30.9	31.3
50°	25.5	26.3	27.1	27.9	28.7	29.3	30.0	30.6	31.2	31.6	32.0
48.75°	26.4	27.2	28.0	28.8	29.5	30.1	30.8	31.3	31.8	32.2	32.6
47.5°	27.2	28.1	28.9	29.6	30.3	31.0	31.5	31.9	32.4	32.8	33.4
46.25°	28.0	28.9	29.6	30.3	31.1	31.6	32.1	32.5	33.0	33.6	34.1
45°	28.8	29.6	30.3	31.1	31.6	32.1	32.6	33.2	33.8	34.3	34.9
43.75°	29.5	30.3	31.1	31.6	32.1	32.7	33.2	33.9	34.5	35.1	35.5
42.5°	30.1	31.0	31.6	32.1	32.7	33.3	33.9	34.6	35.2	35.6	36.1
41.25°	30.8	31.5	32.1	32.6	33.2	33.9	34.6	35.2	35.7	36.2	36.7
40°	31.3	31.9	32.5	33.2	33.9	34.6	35.2	35.7	36.2	36.8	37.3
38.75°	31.8	32.4	33.0	33.8	34.5	35.2	35.7	36.2	36.8	37.3	37.9
37.5°	32.2	32.8	33.6	34.3	35.1	35.6	36.2	36.8	37.3	37.9	38.4
36.25°	32.6	33.4	34.1	34.9	35.5	36.1	36.7	37.3	37.9	38.4	39.4
35°	33.1	33.9	34.7	35.4	36.0	36.6	37.2	37.8	38.4	39.3	40.5



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	33.6	34.4	35.2	35.8	36.4	37.0	37.7	38.3	39.2	40.4	41.6
32.5°	34.0	34.9	35.6	36.2	36.8	37.5	38.1	38.9	40.2	41.4	43.5
31.25°	34.5	35.3	35.9	36.6	37.3	37.9	38.6	39.9	41.1	42.9	46.5
30°	34.9	35.6	36.3	37.0	37.7	38.4	39.5	40.8	42.1	45.7	49.4
28.75°	35.3	36.0	36.7	37.4	38.1	39.0	40.3	41.7	44.7	48.4	52.2
27.5°	35.6	36.3	37.0	37.8	38.5	39.8	41.2	43.3	47.2	51.1	56.9
26.25°	36.0	36.7	37.4	38.1	39.1	40.6	42.0	45.7	49.7	54.7	61.5
25°	36.3	37.0	37.7	38.5	39.9	41.3	43.9	48.0	52.1	59.0	65.9
23.75°	36.5	37.3	38.1	39.1	40.5	42.0	46.1	50.3	56.0	63.2	70.2
22.5°	36.8	37.6	38.4	39.7	41.2	43.9	48.1	52.6	59.9	67.1	74.6
21.25°	37.1	37.9	38.8	40.3	41.8	45.8	50.1	56.1	63.6	71.0	78.8
20°	37.4	38.2	39.3	40.9	43.1	47.6	52.0	59.5	67.1	74.9	82.7
18.75°	37.6	38.4	39.9	41.4	44.8	49.3	55.0	62.7	70.5	78.5	86.5
17.5°	37.9	38.8	40.4	42.0	46.3	50.9	57.9	65.8	73.8	82.0	90.7
16.25°	38.1	39.2	40.8	43.1	47.8	52.6	60.6	68.6	76.9	85.2	95.1
15°	38.3	39.6	41.3	44.4	49.2	55.1	63.2	71.4	79.8	88.3	99.2
13.75°	38.5	40.0	41.7	45.7	50.4	57.4	65.6	74.0	82.6	92.0	103.0
12.5°	38.7	40.4	42.0	46.8	51.6	59.5	67.8	76.4	85.1	95.3	106.5
11.25°	39.0	40.7	42.9	47.8	53.0	61.4	69.8	78.6	87.3	98.4	109.7
10°	39.3	41.0	43.8	48.7	54.6	63.1	71.7	80.5	89.8	101.2	112.5
8.75°	39.5	41.2	44.6	49.5	56.1	64.6	73.3	82.3	92.1	103.6	115.1
7.5°	39.8	41.5	45.3	50.2	57.4	66.0	74.8	83.8	94.2	105.8	117.3
6.25°	39.9	41.7	45.8	50.8	58.5	67.1	76.1	85.1	95.9	107.6	119.2
5°	40.1	41.8	46.3	51.3	59.4	68.0	77.1	86.2	97.4	109.1	120.8
3.75°	40.2	41.9	46.7	51.7	60.1	68.8	77.9	87.0	98.5	110.3	122.0
2.5°	40.3	42.0	46.9	52.0	60.6	69.3	78.4	87.6	99.3	111.1	122.9
1.25°	40.3	42.1	47.1	52.1	60.9	69.6	78.8	88.0	99.8	111.6	123.4
0°	40.4	42.1	47.2	52.2	61.0	69.7	78.9	88.1	100.0	111.8	123.6
-1.25°	40.3	42.1	47.1	52.1	60.9	69.6	78.8	88.0	99.8	111.6	123.4
-2.5°	40.3	42.0	46.9	52.0	60.6	69.3	78.4	87.6	99.3	111.1	122.9
-3.75°	40.2	41.9	46.7	51.7	60.1	68.8	77.9	87.0	98.5	110.3	122.0
-5°	40.1	41.8	46.3	51.3	59.4	68.0	77.1	86.2	97.4	109.1	120.8
-6.25°	39.9	41.7	45.8	50.8	58.5	67.1	76.1	85.1	95.9	107.6	119.2
-7.5°	39.8	41.5	45.3	50.2	57.4	66.0	74.8	83.8	94.2	105.8	117.3
-8.75°	39.5	41.2	44.6	49.5	56.1	64.6	73.3	82.3	92.1	103.6	115.1
-10°	39.3	41.0	43.8	48.7	54.6	63.1	71.7	80.5	89.8	101.2	112.5
-11.25°	39.0	40.7	42.9	47.8	53.0	61.4	69.8	78.6	87.3	98.4	109.7
-12.5°	38.7	40.4	42.0	46.8	51.6	59.5	67.8	76.4	85.1	95.3	106.5
-13.75°	38.5	40.0	41.7	45.7	50.4	57.4	65.6	74.0	82.6	92.0	103.0
-15°	38.3	39.6	41.3	44.4	49.2	55.1	63.2	71.4	79.8	88.3	99.2
-16.25°	38.1	39.2	40.8	43.1	47.8	52.6	60.6	68.6	76.9	85.2	95.1
-17.5°	37.9	38.8	40.4	42.0	46.3	50.9	57.9	65.8	73.8	82.0	90.7
-18.75°	37.6	38.4	39.9	41.4	44.8	49.3	55.0	62.7	70.5	78.5	86.5
-20°	37.4	38.2	39.3	40.9	43.1	47.6	52.0	59.5	67.1	74.9	82.7
-21.25°	37.1	37.9	38.8	40.3	41.8	45.8	50.1	56.1	63.6	71.0	78.8



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	36.8	37.6	38.4	39.7	41.2	43.9	48.1	52.6	59.9	67.1	74.6
-23.75°	36.5	37.3	38.1	39.1	40.5	42.0	46.1	50.3	56.0	63.2	70.2
-25°	36.3	37.0	37.7	38.5	39.9	41.3	43.9	48.0	52.1	59.0	65.9
-26.25°	36.0	36.7	37.4	38.1	39.1	40.6	42.0	45.7	49.7	54.7	61.5
-27.5°	35.6	36.3	37.0	37.8	38.5	39.8	41.2	43.3	47.2	51.1	56.9
-28.75°	35.3	36.0	36.7	37.4	38.1	39.0	40.3	41.7	44.7	48.4	52.2
-30°	34.9	35.6	36.3	37.0	37.7	38.4	39.5	40.8	42.1	45.7	49.4
-31.25°	34.5	35.3	35.9	36.6	37.3	37.9	38.6	39.9	41.1	42.9	46.5
-32.5°	34.0	34.9	35.6	36.2	36.8	37.5	38.1	38.9	40.2	41.4	43.5
-33.75°	33.6	34.4	35.2	35.8	36.4	37.0	37.7	38.3	39.2	40.4	41.6
-35°	33.1	33.9	34.7	35.4	36.0	36.6	37.2	37.8	38.4	39.3	40.5
-36.25°	32.6	33.4	34.1	34.9	35.5	36.1	36.7	37.3	37.9	38.4	39.4
-37.5°	32.2	32.8	33.6	34.3	35.1	35.6	36.2	36.8	37.3	37.9	38.4
-38.75°	31.8	32.4	33.0	33.8	34.5	35.2	35.7	36.2	36.8	37.3	37.9
-40°	31.3	31.9	32.5	33.2	33.9	34.6	35.2	35.7	36.2	36.8	37.3
-41.25°	30.8	31.5	32.1	32.6	33.2	33.9	34.6	35.2	35.7	36.2	36.7
-42.5°	30.1	31.0	31.6	32.1	32.7	33.3	33.9	34.6	35.2	35.6	36.1
-43.75°	29.5	30.3	31.1	31.6	32.1	32.7	33.2	33.9	34.5	35.1	35.5
-45°	28.8	29.6	30.3	31.1	31.6	32.1	32.6	33.2	33.8	34.3	34.9
-46.25°	28.0	28.9	29.6	30.3	31.1	31.6	32.1	32.5	33.0	33.6	34.1
-47.5°	27.2	28.1	28.9	29.6	30.3	31.0	31.5	31.9	32.4	32.8	33.4
-48.75°	26.4	27.2	28.0	28.8	29.5	30.1	30.8	31.3	31.8	32.2	32.6
-50°	25.5	26.3	27.1	27.9	28.7	29.3	30.0	30.6	31.2	31.6	32.0
-51.25°	24.4	25.4	26.2	27.0	27.7	28.5	29.1	29.7	30.3	30.9	31.3
-52.5°	23.3	24.3	25.2	26.0	26.7	27.5	28.2	28.8	29.4	29.9	30.5
-53.75°	22.2	23.1	24.1	25.0	25.8	26.4	27.1	27.8	28.5	29.0	29.5
-55°	21.2	22.0	22.9	23.7	24.6	25.4	26.1	26.7	27.3	28.0	28.6
-56.25°	20.2	20.9	21.6	22.5	23.3	24.1	24.9	25.6	26.2	26.8	27.4
-57.5°	19.3	20.0	20.6	21.3	22.0	22.8	23.6	24.3	25.0	25.7	26.2
-58.75°	18.4	19.0	19.7	20.3	20.9	21.5	22.2	22.9	23.6	24.3	25.0
-60°	17.3	18.0	18.7	19.3	19.9	20.4	21.0	21.5	22.2	22.9	23.5
-61.25°	16.3	16.9	17.6	18.2	18.8	19.4	19.9	20.4	20.9	21.4	22.0
-62.5°	15.2	15.8	16.5	17.1	17.7	18.3	18.8	19.3	19.8	20.2	20.7
-63.75°	14.5	14.8	15.3	15.9	16.5	17.0	17.6	18.1	18.6	19.1	19.5
-65°	14.0	14.3	14.6	14.8	15.3	15.8	16.3	16.8	17.3	17.8	18.3
-66.25°	13.5	13.7	14.0	14.3	14.5	14.7	15.1	15.6	16.0	16.5	16.9
-67.5°	12.9	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.1	15.6
-68.75°	12.4	12.6	12.9	13.1	13.3	13.5	13.8	14.0	14.2	14.4	14.6
-70°	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9
-71.25°	11.2	11.4	11.6	11.9	12.1	12.3	12.5	12.7	12.9	13.0	13.2
-72.5°	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.5
-73.75°	10.1	10.2	10.4	10.6	10.8	11.0	11.1	11.3	11.5	11.6	11.8
-75°	9.5	9.7	9.8	10.0	10.2	10.3	10.5	10.6	10.8	10.9	11.1
-76.25°	8.8	9.0	9.1	9.3	9.5	9.7	9.8	10.0	10.1	10.2	10.4
-77.5°	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.2	9.4	9.5	9.6



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	7.4	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.6	8.7	8.8
-80°	6.5	6.7	6.8	7.0	7.2	7.3	7.5	7.6	7.7	7.9	8.0
-81.25°	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0
-82.5°	4.7	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9
-83.75°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8
-85°	3.0	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8
-86.25°	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.7
-87.5°	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
-88.75°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
86.25°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2
85°	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4
83.75°	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.6
82.5°	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9
81.25°	7.1	7.2	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0
80°	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.9	9.0
78.75°	8.9	9.0	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.9
77.5°	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.5	10.6	10.7
76.25°	10.5	10.6	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.4	11.5
75°	11.2	11.3	11.5	11.6	11.7	11.8	12.0	12.1	12.2	12.3	12.4
73.75°	11.9	12.1	12.2	12.4	12.5	12.6	12.7	12.9	13.0	13.1	13.2
72.5°	12.7	12.8	13.0	13.1	13.3	13.4	13.5	13.6	13.8	13.9	14.0
71.25°	13.4	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6	14.7
70°	14.1	14.2	14.4	14.6	14.7	14.9	15.1	15.4	15.7	15.9	16.2
68.75°	14.7	15.0	15.3	15.7	16.0	16.3	16.7	17.0	17.2	17.5	17.8
67.5°	16.0	16.4	16.8	17.1	17.5	17.8	18.2	18.5	18.8	19.0	19.3
66.25°	17.4	17.8	18.2	18.6	18.9	19.2	19.6	19.9	20.1	20.4	20.7
65°	18.7	19.1	19.5	19.9	20.2	20.6	20.9	21.2	21.5	21.9	22.3
63.75°	19.9	20.4	20.8	21.1	21.5	22.0	22.4	22.9	23.3	23.7	24.0
62.5°	21.2	21.6	22.2	22.7	23.2	23.7	24.1	24.6	25.0	25.4	25.7
61.25°	22.6	23.2	23.7	24.3	24.8	25.3	25.7	26.1	26.4	26.8	27.1
60°	24.1	24.7	25.3	25.8	26.2	26.6	27.0	27.4	27.8	28.2	28.5
58.75°	25.6	26.1	26.6	27.0	27.5	27.9	28.4	28.7	29.1	29.4	29.7
57.5°	26.8	27.3	27.8	28.3	28.7	29.1	29.5	29.9	30.2	30.5	30.9
56.25°	28.0	28.5	29.0	29.4	29.8	30.2	30.6	31.0	31.3	31.5	31.7
55°	29.0	29.5	30.0	30.4	30.9	31.2	31.5	31.8	32.1	32.3	32.5
53.75°	30.0	30.5	31.0	31.4	31.7	32.0	32.3	32.6	32.8	33.1	33.4
52.5°	31.0	31.4	31.7	32.1	32.4	32.7	33.1	33.4	33.8	34.1	34.4
51.25°	31.7	32.1	32.4	32.8	33.2	33.6	34.0	34.4	34.7	35.1	35.3
50°	32.4	32.8	33.2	33.6	34.1	34.5	34.9	35.2	35.5	35.8	36.1
48.75°	33.1	33.6	34.0	34.5	34.9	35.3	35.6	36.0	36.3	36.5	36.8
47.5°	33.9	34.4	34.9	35.3	35.6	36.0	36.3	36.7	37.0	37.3	37.6
46.25°	34.7	35.2	35.6	35.9	36.3	36.7	37.0	37.4	37.7	38.1	38.4
45°	35.4	35.8	36.2	36.6	37.0	37.4	37.8	38.1	38.5	39.1	39.7
43.75°	36.0	36.4	36.8	37.3	37.7	38.1	38.5	39.1	39.9	40.5	41.2
42.5°	36.6	37.0	37.5	37.9	38.4	39.0	39.8	40.6	41.3	42.0	43.9
41.25°	37.2	37.7	38.1	38.6	39.5	40.3	41.2	42.0	43.9	46.1	48.1
40°	37.8	38.3	38.9	39.9	40.8	41.7	43.3	45.7	48.0	50.3	52.6
38.75°	38.4	39.2	40.2	41.1	42.1	44.7	47.2	49.7	52.1	56.0	59.9
37.5°	39.3	40.4	41.4	42.9	45.7	48.4	51.1	54.7	59.0	63.2	67.1
36.25°	40.5	41.6	43.5	46.5	49.4	52.2	56.9	61.5	65.9	70.2	74.6
35°	41.6	43.8	46.9	50.0	53.5	58.5	63.4	68.2	72.9	77.6	82.1



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	43.8	47.1	50.3	54.3	59.6	64.8	69.9	75.0	80.0	84.8	89.9
32.5°	46.9	50.3	54.6	60.2	65.6	71.0	76.5	81.8	87.0	93.1	99.3
31.25°	50.0	54.3	60.2	65.9	71.6	77.4	83.1	88.7	95.6	102.2	108.7
30°	53.5	59.6	65.6	71.6	77.7	83.7	89.9	97.2	104.3	111.2	117.8
28.75°	58.5	64.8	71.0	77.4	83.7	90.3	98.0	105.6	112.9	120.0	126.9
27.5°	63.4	69.9	76.5	83.1	89.9	98.0	106.0	113.7	121.3	128.6	135.8
26.25°	68.2	75.0	81.8	88.7	97.2	105.6	113.7	121.7	129.5	137.7	147.6
25°	72.9	80.0	87.0	95.6	104.3	112.9	121.3	129.5	138.3	148.9	159.2
23.75°	77.6	84.8	93.1	102.2	111.2	120.0	128.6	137.7	148.9	159.8	170.9
22.5°	82.1	89.9	99.3	108.7	117.8	126.9	135.8	147.6	159.2	170.9	183.6
21.25°	86.4	95.7	105.3	114.9	124.2	133.5	145.1	157.3	169.4	182.9	196.0
20°	91.2	101.2	111.1	120.8	130.4	141.4	154.1	166.6	180.6	194.4	208.5
18.75°	96.3	106.5	116.5	126.4	136.6	149.7	162.7	176.7	191.3	205.7	222.1
17.5°	101.1	111.5	121.7	131.8	144.2	157.6	171.5	186.6	201.5	218.0	242.5
16.25°	105.7	116.2	126.6	137.5	151.3	165.1	180.4	195.9	212.3	234.7	272.0
15°	109.9	120.6	131.2	143.9	158.1	172.9	188.9	204.9	224.0	255.3	306.9
13.75°	113.9	124.7	135.5	150.0	164.4	180.5	196.9	214.5	239.9	284.4	346.8
12.5°	117.5	128.5	140.9	155.6	170.7	187.5	204.2	224.6	259.4	316.5	387.6
11.25°	120.8	132.0	145.8	160.8	176.9	194.0	212.1	237.6	283.3	349.4	426.6
10°	123.8	135.1	150.2	165.4	182.5	199.9	219.2	250.2	308.0	382.2	464.3
8.75°	126.5	138.8	154.2	169.9	187.5	205.3	228.0	268.8	333.6	412.7	498.4
7.5°	128.8	142.1	157.7	174.1	191.9	210.6	236.9	285.1	356.2	440.2	527.3
6.25°	130.8	144.9	160.6	177.6	195.7	215.2	244.5	300.1	377.7	464.6	551.9
5°	132.5	147.2	163.0	180.6	198.8	218.9	252.5	315.3	395.8	484.9	572.3
3.75°	133.7	149.1	164.9	182.9	201.2	222.1	261.1	327.1	409.9	500.8	587.1
2.5°	134.7	150.4	166.3	184.5	202.9	225.5	267.2	335.7	420.1	511.8	597.7
1.25°	135.2	151.1	167.1	185.5	204.0	227.5	271.0	340.8	426.2	518.4	604.1
0°	135.4	151.4	167.4	185.9	204.3	228.2	272.2	342.6	428.3	520.6	606.3
-1.25°	135.2	151.1	167.1	185.5	204.0	227.5	271.0	340.8	426.2	518.4	604.1
-2.5°	134.7	150.4	166.3	184.5	202.9	225.5	267.2	335.7	420.1	511.8	597.7
-3.75°	133.7	149.1	164.9	182.9	201.2	222.1	261.1	327.1	409.9	500.8	587.1
-5°	132.5	147.2	163.0	180.6	198.8	218.9	252.5	315.3	395.8	484.9	572.3
-6.25°	130.8	144.9	160.6	177.6	195.7	215.2	244.5	300.1	377.7	464.6	551.9
-7.5°	128.8	142.1	157.7	174.1	191.9	210.6	236.9	285.1	356.2	440.2	527.3
-8.75°	126.5	138.8	154.2	169.9	187.5	205.3	228.0	268.8	333.6	412.7	498.4
-10°	123.8	135.1	150.2	165.4	182.5	199.9	219.2	250.2	308.0	382.2	464.3
-11.25°	120.8	132.0	145.8	160.8	176.9	194.0	212.1	237.6	283.3	349.4	426.6
-12.5°	117.5	128.5	140.9	155.6	170.7	187.5	204.2	224.6	259.4	316.5	387.6
-13.75°	113.9	124.7	135.5	150.0	164.4	180.5	196.9	214.5	239.9	284.4	346.8
-15°	109.9	120.6	131.2	143.9	158.1	172.9	188.9	204.9	224.0	255.3	306.9
-16.25°	105.7	116.2	126.6	137.5	151.3	165.1	180.4	195.9	212.3	234.7	272.0
-17.5°	101.1	111.5	121.7	131.8	144.2	157.6	171.5	186.6	201.5	218.0	242.5
-18.75°	96.3	106.5	116.5	126.4	136.6	149.7	162.7	176.7	191.3	205.7	222.1
-20°	91.2	101.2	111.1	120.8	130.4	141.4	154.1	166.6	180.6	194.4	208.5
-21.25°	86.4	95.7	105.3	114.9	124.2	133.5	145.1	157.3	169.4	182.9	196.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	82.1	89.9	99.3	108.7	117.8	126.9	135.8	147.6	159.2	170.9	183.6
-23.75°	77.6	84.8	93.1	102.2	111.2	120.0	128.6	137.7	148.9	159.8	170.9
-25°	72.9	80.0	87.0	95.6	104.3	112.9	121.3	129.5	138.3	148.9	159.2
-26.25°	68.2	75.0	81.8	88.7	97.2	105.6	113.7	121.7	129.5	137.7	147.6
-27.5°	63.4	69.9	76.5	83.1	89.9	98.0	106.0	113.7	121.3	128.6	135.8
-28.75°	58.5	64.8	71.0	77.4	83.7	90.3	98.0	105.6	112.9	120.0	126.9
-30°	53.5	59.6	65.6	71.6	77.7	83.7	89.9	97.2	104.3	111.2	117.8
-31.25°	50.0	54.3	60.2	65.9	71.6	77.4	83.1	88.7	95.6	102.2	108.7
-32.5°	46.9	50.3	54.6	60.2	65.6	71.0	76.5	81.8	87.0	93.1	99.3
-33.75°	43.8	47.1	50.3	54.3	59.6	64.8	69.9	75.0	80.0	84.8	89.9
-35°	41.6	43.8	46.9	50.0	53.5	58.5	63.4	68.2	72.9	77.6	82.1
-36.25°	40.5	41.6	43.5	46.5	49.4	52.2	56.9	61.5	65.9	70.2	74.6
-37.5°	39.3	40.4	41.4	42.9	45.7	48.4	51.1	54.7	59.0	63.2	67.1
-38.75°	38.4	39.2	40.2	41.1	42.1	44.7	47.2	49.7	52.1	56.0	59.9
-40°	37.8	38.3	38.9	39.9	40.8	41.7	43.3	45.7	48.0	50.3	52.6
-41.25°	37.2	37.7	38.1	38.6	39.5	40.3	41.2	42.0	43.9	46.1	48.1
-42.5°	36.6	37.0	37.5	37.9	38.4	39.0	39.8	40.6	41.3	42.0	43.9
-43.75°	36.0	36.4	36.8	37.3	37.7	38.1	38.5	39.1	39.9	40.5	41.2
-45°	35.4	35.8	36.2	36.6	37.0	37.4	37.8	38.1	38.5	39.1	39.7
-46.25°	34.7	35.2	35.6	35.9	36.3	36.7	37.0	37.4	37.7	38.1	38.4
-47.5°	33.9	34.4	34.9	35.3	35.6	36.0	36.3	36.7	37.0	37.3	37.6
-48.75°	33.1	33.6	34.0	34.5	34.9	35.3	35.6	36.0	36.3	36.5	36.8
-50°	32.4	32.8	33.2	33.6	34.1	34.5	34.9	35.2	35.5	35.8	36.1
-51.25°	31.7	32.1	32.4	32.8	33.2	33.6	34.0	34.4	34.7	35.1	35.3
-52.5°	31.0	31.4	31.7	32.1	32.4	32.7	33.1	33.4	33.8	34.1	34.4
-53.75°	30.0	30.5	31.0	31.4	31.7	32.0	32.3	32.6	32.8	33.1	33.4
-55°	29.0	29.5	30.0	30.4	30.9	31.2	31.5	31.8	32.1	32.3	32.5
-56.25°	28.0	28.5	29.0	29.4	29.8	30.2	30.6	31.0	31.3	31.5	31.7
-57.5°	26.8	27.3	27.8	28.3	28.7	29.1	29.5	29.9	30.2	30.5	30.9
-58.75°	25.6	26.1	26.6	27.0	27.5	27.9	28.4	28.7	29.1	29.4	29.7
-60°	24.1	24.7	25.3	25.8	26.2	26.6	27.0	27.4	27.8	28.2	28.5
-61.25°	22.6	23.2	23.7	24.3	24.8	25.3	25.7	26.1	26.4	26.8	27.1
-62.5°	21.2	21.6	22.2	22.7	23.2	23.7	24.1	24.6	25.0	25.4	25.7
-63.75°	19.9	20.4	20.8	21.1	21.5	22.0	22.4	22.9	23.3	23.7	24.0
-65°	18.7	19.1	19.5	19.9	20.2	20.6	20.9	21.2	21.5	21.9	22.3
-66.25°	17.4	17.8	18.2	18.6	18.9	19.2	19.6	19.9	20.1	20.4	20.7
-67.5°	16.0	16.4	16.8	17.1	17.5	17.8	18.2	18.5	18.8	19.0	19.3
-68.75°	14.7	15.0	15.3	15.7	16.0	16.3	16.7	17.0	17.2	17.5	17.8
-70°	14.1	14.2	14.4	14.6	14.7	14.9	15.1	15.4	15.7	15.9	16.2
-71.25°	13.4	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6	14.7
-72.5°	12.7	12.8	13.0	13.1	13.3	13.4	13.5	13.6	13.8	13.9	14.0
-73.75°	11.9	12.1	12.2	12.4	12.5	12.6	12.7	12.9	13.0	13.1	13.2
-75°	11.2	11.3	11.5	11.6	11.7	11.8	12.0	12.1	12.2	12.3	12.4
-76.25°	10.5	10.6	10.7	10.8	11.0	11.1	11.2	11.3	11.4	11.4	11.5
-77.5°	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.5	10.6	10.7



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	8.9	9.0	9.2	9.3	9.4	9.5	9.6	9.7	9.7	9.8	9.9
-80°	8.1	8.2	8.3	8.4	8.5	8.6	8.6	8.7	8.8	8.9	9.0
-81.25°	7.1	7.2	7.4	7.5	7.6	7.6	7.7	7.8	7.9	7.9	8.0
-82.5°	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.8	6.9
-83.75°	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.5	5.5	5.6	5.6
-85°	3.9	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.3	4.4	4.4
-86.25°	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2
-87.5°	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0
-88.75°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
86.25°	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
85°	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
83.75°	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.1
82.5°	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4
81.25°	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.5
80°	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5
78.75°	9.9	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.4	10.4
77.5°	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2	11.2	11.3	11.3
76.25°	11.6	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.1	12.2
75°	12.5	12.5	12.6	12.7	12.8	12.8	12.9	12.9	13.0	13.0	13.1
73.75°	13.3	13.4	13.4	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9
72.5°	14.1	14.2	14.2	14.3	14.4	14.5	14.5	14.6	14.7	14.7	14.8
71.25°	14.9	15.0	15.2	15.4	15.6	15.7	15.9	16.0	16.1	16.2	16.3
70°	16.4	16.6	16.9	17.1	17.2	17.4	17.6	17.7	17.8	18.0	18.1
68.75°	18.0	18.3	18.5	18.7	18.8	19.0	19.2	19.3	19.4	19.5	19.6
67.5°	19.5	19.7	19.9	20.1	20.3	20.5	20.7	20.8	20.9	21.1	21.2
66.25°	20.9	21.2	21.4	21.6	21.9	22.1	22.3	22.5	22.7	22.9	23.0
65°	22.6	22.9	23.2	23.5	23.7	24.0	24.2	24.4	24.6	24.8	24.9
63.75°	24.4	24.7	25.0	25.3	25.6	25.8	25.9	26.1	26.3	26.4	26.5
62.5°	26.0	26.3	26.6	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1
61.25°	27.4	27.7	28.0	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4
60°	28.8	29.0	29.3	29.5	29.7	29.9	30.1	30.3	30.4	30.6	30.7
58.75°	30.0	30.2	30.5	30.7	31.0	31.2	31.3	31.4	31.5	31.6	31.7
57.5°	31.1	31.3	31.5	31.7	31.9	32.0	32.2	32.3	32.4	32.5	32.6
56.25°	32.0	32.2	32.4	32.5	32.7	32.9	33.0	33.2	33.4	33.5	33.6
55°	32.8	33.0	33.2	33.5	33.7	33.9	34.1	34.3	34.4	34.6	34.7
53.75°	33.7	34.0	34.3	34.5	34.7	35.0	35.1	35.3	35.4	35.5	35.6
52.5°	34.7	35.0	35.2	35.4	35.6	35.8	36.0	36.1	36.2	36.3	36.5
51.25°	35.6	35.8	36.0	36.2	36.4	36.6	36.8	36.9	37.1	37.2	37.3
50°	36.3	36.6	36.8	37.0	37.2	37.4	37.6	37.8	37.9	38.1	38.2
48.75°	37.1	37.4	37.6	37.9	38.1	38.3	38.5	38.7	39.0	39.3	39.5
47.5°	37.9	38.2	38.4	38.8	39.2	39.6	40.0	40.4	40.7	41.0	41.2
46.25°	38.8	39.3	39.9	40.4	40.8	41.3	41.7	42.0	42.9	43.8	44.6
45°	40.3	40.9	41.4	42.0	43.1	44.4	45.7	46.8	47.8	48.7	49.5
43.75°	41.8	43.1	44.8	46.3	47.8	49.2	50.4	51.6	53.0	54.6	56.1
42.5°	45.8	47.6	49.3	50.9	52.6	55.1	57.4	59.5	61.4	63.1	64.6
41.25°	50.1	52.0	55.0	57.9	60.6	63.2	65.6	67.8	69.8	71.7	73.3
40°	56.1	59.5	62.7	65.8	68.6	71.4	74.0	76.4	78.6	80.5	82.3
38.75°	63.6	67.1	70.5	73.8	76.9	79.8	82.6	85.1	87.3	89.8	92.1
37.5°	71.0	74.9	78.5	82.0	85.2	88.3	92.0	95.3	98.4	101.2	103.6
36.25°	78.8	82.7	86.5	90.7	95.1	99.2	103.0	106.5	109.7	112.5	115.1
35°	86.4	91.2	96.3	101.1	105.7	109.9	113.9	117.5	120.8	123.8	126.5



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	95.7	101.2	106.5	111.5	116.2	120.6	124.7	128.5	132.0	135.1	138.8
32.5°	105.3	111.1	116.5	121.7	126.6	131.2	135.5	140.9	145.8	150.2	154.2
31.25°	114.9	120.8	126.4	131.8	137.5	143.9	150.0	155.6	160.8	165.4	169.9
30°	124.2	130.4	136.6	144.2	151.3	158.1	164.4	170.7	176.9	182.5	187.5
28.75°	133.5	141.4	149.7	157.6	165.1	172.9	180.5	187.5	194.0	199.9	205.3
27.5°	145.1	154.1	162.7	171.5	180.4	188.9	196.9	204.2	212.1	219.2	228.0
26.25°	157.3	166.6	176.7	186.6	195.9	204.9	214.5	224.6	237.6	250.2	268.8
25°	169.4	180.6	191.3	201.5	212.3	224.0	239.9	259.4	283.3	308.0	333.6
23.75°	182.9	194.4	205.7	218.0	234.7	255.3	284.4	316.5	349.4	382.2	412.7
22.5°	196.0	208.5	222.1	242.5	272.0	306.9	346.8	387.6	426.6	464.3	498.4
21.25°	209.4	225.2	247.2	283.2	325.7	371.5	418.7	465.1	508.4	546.4	580.1
20°	225.2	248.9	288.8	337.1	389.2	442.1	494.6	542.0	584.6	621.3	650.9
18.75°	247.2	288.8	341.0	398.0	456.7	514.0	566.4	612.1	650.7	680.8	701.1
17.5°	283.2	337.1	398.0	461.6	523.6	580.6	630.8	669.4	698.4	718.6	734.8
16.25°	325.7	389.2	456.7	523.6	585.2	639.9	680.7	708.4	730.0	748.4	766.0
15°	371.5	442.1	514.0	580.6	639.9	684.5	713.4	736.7	758.2	778.6	797.4
13.75°	418.7	494.6	566.4	630.8	680.7	713.4	739.0	763.1	786.4	808.1	828.2
12.5°	465.1	542.0	612.1	669.4	708.4	736.7	763.1	789.0	813.6	836.7	857.1
11.25°	508.4	584.6	650.7	698.4	730.0	758.2	786.4	813.6	839.4	862.9	888.1
10°	546.4	621.3	680.8	718.6	748.4	778.6	808.1	836.7	862.9	891.7	920.1
8.75°	580.1	650.9	701.1	734.8	766.0	797.4	828.2	857.1	888.1	920.1	951.0
7.5°	607.8	673.7	716.5	748.9	781.8	814.3	845.8	877.6	912.2	946.7	978.6
6.25°	631.6	691.8	728.6	761.7	795.5	829.1	860.9	896.7	933.9	970.1	1002.0
5°	648.6	702.2	738.2	772.4	807.0	841.2	875.4	913.7	952.8	989.3	1021.2
3.75°	660.7	710.4	745.7	780.9	816.2	850.6	887.3	927.4	967.7	1003.9	1035.0
2.5°	669.5	716.3	751.3	787.1	822.9	857.5	896.1	937.6	978.1	1014.4	1045.2
1.25°	674.7	719.9	754.8	790.8	826.9	861.7	901.7	943.8	984.5	1020.9	1051.1
0°	676.5	721.1	755.9	792.1	828.3	863.1	903.5	945.9	986.7	1023.1	1053.0
-1.25°	674.7	719.9	754.8	790.8	826.9	861.7	901.7	943.8	984.5	1020.9	1051.1
-2.5°	669.5	716.3	751.3	787.1	822.9	857.5	896.1	937.6	978.1	1014.4	1045.2
-3.75°	660.7	710.4	745.7	780.9	816.2	850.6	887.3	927.4	967.7	1003.9	1035.0
-5°	648.6	702.2	738.2	772.4	807.0	841.2	875.4	913.7	952.8	989.3	1021.2
-6.25°	631.6	691.8	728.6	761.7	795.5	829.1	860.9	896.7	933.9	970.1	1002.0
-7.5°	607.8	673.7	716.5	748.9	781.8	814.3	845.8	877.6	912.2	946.7	978.6
-8.75°	580.1	650.9	701.1	734.8	766.0	797.4	828.2	857.1	888.1	920.1	951.0
-10°	546.4	621.3	680.8	718.6	748.4	778.6	808.1	836.7	862.9	891.7	920.1
-11.25°	508.4	584.6	650.7	698.4	730.0	758.2	786.4	813.6	839.4	862.9	888.1
-12.5°	465.1	542.0	612.1	669.4	708.4	736.7	763.1	789.0	813.6	836.7	857.1
-13.75°	418.7	494.6	566.4	630.8	680.7	713.4	739.0	763.1	786.4	808.1	828.2
-15°	371.5	442.1	514.0	580.6	639.9	684.5	713.4	736.7	758.2	778.6	797.4
-16.25°	325.7	389.2	456.7	523.6	585.2	639.9	680.7	708.4	730.0	748.4	766.0
-17.5°	283.2	337.1	398.0	461.6	523.6	580.6	630.8	669.4	698.4	718.6	734.8
-18.75°	247.2	288.8	341.0	398.0	456.7	514.0	566.4	612.1	650.7	680.8	701.1
-20°	225.2	248.9	288.8	337.1	389.2	442.1	494.6	542.0	584.6	621.3	650.9
-21.25°	209.4	225.2	247.2	283.2	325.7	371.5	418.7	465.1	508.4	546.4	580.1



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	196.0	208.5	222.1	242.5	272.0	306.9	346.8	387.6	426.6	464.3	498.4
-23.75°	182.9	194.4	205.7	218.0	234.7	255.3	284.4	316.5	349.4	382.2	412.7
-25°	169.4	180.6	191.3	201.5	212.3	224.0	239.9	259.4	283.3	308.0	333.6
-26.25°	157.3	166.6	176.7	186.6	195.9	204.9	214.5	224.6	237.6	250.2	268.8
-27.5°	145.1	154.1	162.7	171.5	180.4	188.9	196.9	204.2	212.1	219.2	228.0
-28.75°	133.5	141.4	149.7	157.6	165.1	172.9	180.5	187.5	194.0	199.9	205.3
-30°	124.2	130.4	136.6	144.2	151.3	158.1	164.4	170.7	176.9	182.5	187.5
-31.25°	114.9	120.8	126.4	131.8	137.5	143.9	150.0	155.6	160.8	165.4	169.9
-32.5°	105.3	111.1	116.5	121.7	126.6	131.2	135.5	140.9	145.8	150.2	154.2
-33.75°	95.7	101.2	106.5	111.5	116.2	120.6	124.7	128.5	132.0	135.1	138.8
-35°	86.4	91.2	96.3	101.1	105.7	109.9	113.9	117.5	120.8	123.8	126.5
-36.25°	78.8	82.7	86.5	90.7	95.1	99.2	103.0	106.5	109.7	112.5	115.1
-37.5°	71.0	74.9	78.5	82.0	85.2	88.3	92.0	95.3	98.4	101.2	103.6
-38.75°	63.6	67.1	70.5	73.8	76.9	79.8	82.6	85.1	87.3	89.8	92.1
-40°	56.1	59.5	62.7	65.8	68.6	71.4	74.0	76.4	78.6	80.5	82.3
-41.25°	50.1	52.0	55.0	57.9	60.6	63.2	65.6	67.8	69.8	71.7	73.3
-42.5°	45.8	47.6	49.3	50.9	52.6	55.1	57.4	59.5	61.4	63.1	64.6
-43.75°	41.8	43.1	44.8	46.3	47.8	49.2	50.4	51.6	53.0	54.6	56.1
-45°	40.3	40.9	41.4	42.0	43.1	44.4	45.7	46.8	47.8	48.7	49.5
-46.25°	38.8	39.3	39.9	40.4	40.8	41.3	41.7	42.0	42.9	43.8	44.6
-47.5°	37.9	38.2	38.4	38.8	39.2	39.6	40.0	40.4	40.7	41.0	41.2
-48.75°	37.1	37.4	37.6	37.9	38.1	38.3	38.5	38.7	39.0	39.3	39.5
-50°	36.3	36.6	36.8	37.0	37.2	37.4	37.6	37.8	37.9	38.1	38.2
-51.25°	35.6	35.8	36.0	36.2	36.4	36.6	36.8	36.9	37.1	37.2	37.3
-52.5°	34.7	35.0	35.2	35.4	35.6	35.8	36.0	36.1	36.2	36.3	36.5
-53.75°	33.7	34.0	34.3	34.5	34.7	35.0	35.1	35.3	35.4	35.5	35.6
-55°	32.8	33.0	33.2	33.5	33.7	33.9	34.1	34.3	34.4	34.6	34.7
-56.25°	32.0	32.2	32.4	32.5	32.7	32.9	33.0	33.2	33.4	33.5	33.6
-57.5°	31.1	31.3	31.5	31.7	31.9	32.0	32.2	32.3	32.4	32.5	32.6
-58.75°	30.0	30.2	30.5	30.7	31.0	31.2	31.3	31.4	31.5	31.6	31.7
-60°	28.8	29.0	29.3	29.5	29.7	29.9	30.1	30.3	30.4	30.6	30.7
-61.25°	27.4	27.7	28.0	28.3	28.5	28.7	28.9	29.0	29.2	29.3	29.4
-62.5°	26.0	26.3	26.6	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1
-63.75°	24.4	24.7	25.0	25.3	25.6	25.8	25.9	26.1	26.3	26.4	26.5
-65°	22.6	22.9	23.2	23.5	23.7	24.0	24.2	24.4	24.6	24.8	24.9
-66.25°	20.9	21.2	21.4	21.6	21.9	22.1	22.3	22.5	22.7	22.9	23.0
-67.5°	19.5	19.7	19.9	20.1	20.3	20.5	20.7	20.8	20.9	21.1	21.2
-68.75°	18.0	18.3	18.5	18.7	18.8	19.0	19.2	19.3	19.4	19.5	19.6
-70°	16.4	16.6	16.9	17.1	17.2	17.4	17.6	17.7	17.8	18.0	18.1
-71.25°	14.9	15.0	15.2	15.4	15.6	15.7	15.9	16.0	16.1	16.2	16.3
-72.5°	14.1	14.2	14.2	14.3	14.4	14.5	14.5	14.6	14.7	14.7	14.8
-73.75°	13.3	13.4	13.4	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9
-75°	12.5	12.5	12.6	12.7	12.8	12.8	12.9	12.9	13.0	13.0	13.1
-76.25°	11.6	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.1	12.2
-77.5°	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2	11.2	11.3	11.3



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	9.9	10.0	10.1	10.1	10.2	10.2	10.3	10.3	10.3	10.4	10.4
-80°	9.0	9.1	9.1	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5
-81.25°	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.4	8.4	8.4	8.5
-82.5°	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4
-83.75°	5.7	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.1
-85°	4.4	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
-86.25°	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
83.75°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.1	6.1
82.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
81.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.5	8.5	8.5	8.5
80°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
78.75°	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
77.5°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
76.25°	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
75°	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
73.75°	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.0	14.0
72.5°	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
71.25°	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.5
70°	18.2	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.3	18.3
68.75°	19.7	19.8	19.8	19.9	19.9	19.9	20.0	19.9	19.9	19.9	19.8
67.5°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
66.25°	23.1	23.2	23.3	23.4	23.4	23.4	23.5	23.4	23.4	23.4	23.3
65°	25.0	25.2	25.2	25.3	25.4	25.4	25.4	25.4	25.4	25.3	25.2
63.75°	26.7	26.7	26.8	26.9	26.9	26.9	27.0	26.9	26.9	26.9	26.8
62.5°	28.2	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.4
61.25°	29.5	29.6	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.7	29.7
60°	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.0	31.0
58.75°	31.8	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
57.5°	32.7	32.7	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.8
56.25°	33.7	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	33.9	33.9
55°	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.0	35.0
53.75°	35.7	35.8	35.8	35.9	35.9	35.9	36.0	35.9	35.9	35.9	35.8
52.5°	36.5	36.6	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.7	36.7
51.25°	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.6	37.6
50°	38.3	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5
48.75°	39.8	39.9	40.1	40.2	40.3	40.3	40.4	40.3	40.3	40.2	40.1
47.5°	41.5	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.0	41.9	41.8
46.25°	45.3	45.8	46.3	46.7	46.9	47.1	47.2	47.1	46.9	46.7	46.3
45°	50.2	50.8	51.3	51.7	52.0	52.1	52.2	52.1	52.0	51.7	51.3
43.75°	57.4	58.5	59.4	60.1	60.6	60.9	61.0	60.9	60.6	60.1	59.4
42.5°	66.0	67.1	68.0	68.8	69.3	69.6	69.7	69.6	69.3	68.8	68.0
41.25°	74.8	76.1	77.1	77.9	78.4	78.8	78.9	78.8	78.4	77.9	77.1
40°	83.8	85.1	86.2	87.0	87.6	88.0	88.1	88.0	87.6	87.0	86.2
38.75°	94.2	95.9	97.4	98.5	99.3	99.8	100.0	99.8	99.3	98.5	97.4
37.5°	105.8	107.6	109.1	110.3	111.1	111.6	111.8	111.6	111.1	110.3	109.1
36.25°	117.3	119.2	120.8	122.0	122.9	123.4	123.6	123.4	122.9	122.0	120.8
35°	128.8	130.8	132.5	133.7	134.7	135.2	135.4	135.2	134.7	133.7	132.5



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	142.1	144.9	147.2	149.1	150.4	151.1	151.4	151.1	150.4	149.1	147.2
32.5°	157.7	160.6	163.0	164.9	166.3	167.1	167.4	167.1	166.3	164.9	163.0
31.25°	174.1	177.6	180.6	182.9	184.5	185.5	185.9	185.5	184.5	182.9	180.6
30°	191.9	195.7	198.8	201.2	202.9	204.0	204.3	204.0	202.9	201.2	198.8
28.75°	210.6	215.2	218.9	222.1	225.5	227.5	228.2	227.5	225.5	222.1	218.9
27.5°	236.9	244.5	252.5	261.1	267.2	271.0	272.2	271.0	267.2	261.1	252.5
26.25°	285.1	300.1	315.3	327.1	335.7	340.8	342.6	340.8	335.7	327.1	315.3
25°	356.2	377.7	395.8	409.9	420.1	426.2	428.3	426.2	420.1	409.9	395.8
23.75°	440.2	464.6	484.9	500.8	511.8	518.4	520.6	518.4	511.8	500.8	484.9
22.5°	527.3	551.9	572.3	587.1	597.7	604.1	606.3	604.1	597.7	587.1	572.3
21.25°	607.8	631.6	648.6	660.7	669.5	674.7	676.5	674.7	669.5	660.7	648.6
20°	673.7	691.8	702.2	710.4	716.3	719.9	721.1	719.9	716.3	710.4	702.2
18.75°	716.5	728.6	738.2	745.7	751.3	754.8	755.9	754.8	751.3	745.7	738.2
17.5°	748.9	761.7	772.4	780.9	787.1	790.8	792.1	790.8	787.1	780.9	772.4
16.25°	781.8	795.5	807.0	816.2	822.9	826.9	828.3	826.9	822.9	816.2	807.0
15°	814.3	829.1	841.2	850.6	857.5	861.7	863.1	861.7	857.5	850.6	841.2
13.75°	845.8	860.9	875.4	887.3	896.1	901.7	903.5	901.7	896.1	887.3	875.4
12.5°	877.6	896.7	913.7	927.4	937.6	943.8	945.9	943.8	937.6	927.4	913.7
11.25°	912.2	933.9	952.8	967.7	978.1	984.5	986.7	984.5	978.1	967.7	952.8
10°	946.7	970.1	989.3	1003.9	1014.4	1020.9	1023.1	1020.9	1014.4	1003.9	989.3
8.75°	978.6	1002.0	1021.2	1035.0	1045.2	1051.1	1053.0	1051.1	1045.2	1035.0	1021.2
7.5°	1006.2	1029.2	1047.5	1060.9	1070.7	1075.7	1077.5	1075.7	1070.7	1060.9	1047.5
6.25°	1029.2	1051.3	1069.1	1081.0	1088.9	1092.9	1094.4	1092.9	1088.9	1081.0	1069.1
5°	1047.5	1069.1	1084.7	1094.4	1099.5	1102.0	1102.9	1102.0	1099.5	1094.4	1084.7
3.75°	1060.9	1081.0	1094.4	1101.2	1104.2	1105.5	1105.5	1105.5	1104.2	1101.2	1094.4
2.5°	1070.7	1088.9	1099.5	1104.2	1105.5	1105.1	1104.6	1105.1	1105.5	1104.2	1099.5
1.25°	1075.7	1092.9	1102.0	1105.5	1105.1	1103.9	1104.4	1103.9	1105.1	1105.5	1102.0
0°	1077.5	1094.4	1102.9	1105.5	1104.6	1104.4	1107.7	1104.4	1104.6	1105.5	1102.9
-1.25°	1075.7	1092.9	1102.0	1105.5	1105.1	1103.9	1104.4	1103.9	1105.1	1105.5	1102.0
-2.5°	1070.7	1088.9	1099.5	1104.2	1105.5	1105.1	1104.6	1105.1	1105.5	1104.2	1099.5
-3.75°	1060.9	1081.0	1094.4	1101.2	1104.2	1105.5	1105.5	1105.5	1104.2	1101.2	1094.4
-5°	1047.5	1069.1	1084.7	1094.4	1099.5	1102.0	1102.9	1102.0	1099.5	1094.4	1084.7
-6.25°	1029.2	1051.3	1069.1	1081.0	1088.9	1092.9	1094.4	1092.9	1088.9	1081.0	1069.1
-7.5°	1006.2	1029.2	1047.5	1060.9	1070.7	1075.7	1077.5	1075.7	1070.7	1060.9	1047.5
-8.75°	978.6	1002.0	1021.2	1035.0	1045.2	1051.1	1053.0	1051.1	1045.2	1035.0	1021.2
-10°	946.7	970.1	989.3	1003.9	1014.4	1020.9	1023.1	1020.9	1014.4	1003.9	989.3
-11.25°	912.2	933.9	952.8	967.7	978.1	984.5	986.7	984.5	978.1	967.7	952.8
-12.5°	877.6	896.7	913.7	927.4	937.6	943.8	945.9	943.8	937.6	927.4	913.7
-13.75°	845.8	860.9	875.4	887.3	896.1	901.7	903.5	901.7	896.1	887.3	875.4
-15°	814.3	829.1	841.2	850.6	857.5	861.7	863.1	861.7	857.5	850.6	841.2
-16.25°	781.8	795.5	807.0	816.2	822.9	826.9	828.3	826.9	822.9	816.2	807.0
-17.5°	748.9	761.7	772.4	780.9	787.1	790.8	792.1	790.8	787.1	780.9	772.4
-18.75°	716.5	728.6	738.2	745.7	751.3	754.8	755.9	754.8	751.3	745.7	738.2
-20°	673.7	691.8	702.2	710.4	716.3	719.9	721.1	719.9	716.3	710.4	702.2
-21.25°	607.8	631.6	648.6	660.7	669.5	674.7	676.5	674.7	669.5	660.7	648.6



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 CATALOG NUMBER: 1003-[A1, 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°	527.3	551.9	572.3	587.1	597.7	604.1	606.3	604.1	597.7	587.1	572.3
-23.75°	440.2	464.6	484.9	500.8	511.8	518.4	520.6	518.4	511.8	500.8	484.9
-25°	356.2	377.7	395.8	409.9	420.1	426.2	428.3	426.2	420.1	409.9	395.8
-26.25°	285.1	300.1	315.3	327.1	335.7	340.8	342.6	340.8	335.7	327.1	315.3
-27.5°	236.9	244.5	252.5	261.1	267.2	271.0	272.2	271.0	267.2	261.1	252.5
-28.75°	210.6	215.2	218.9	222.1	225.5	227.5	228.2	227.5	225.5	222.1	218.9
-30°	191.9	195.7	198.8	201.2	202.9	204.0	204.3	204.0	202.9	201.2	198.8
-31.25°	174.1	177.6	180.6	182.9	184.5	185.5	185.9	185.5	184.5	182.9	180.6
-32.5°	157.7	160.6	163.0	164.9	166.3	167.1	167.4	167.1	166.3	164.9	163.0
-33.75°	142.1	144.9	147.2	149.1	150.4	151.1	151.4	151.1	150.4	149.1	147.2
-35°	128.8	130.8	132.5	133.7	134.7	135.2	135.4	135.2	134.7	133.7	132.5
-36.25°	117.3	119.2	120.8	122.0	122.9	123.4	123.6	123.4	122.9	122.0	120.8
-37.5°	105.8	107.6	109.1	110.3	111.1	111.6	111.8	111.6	111.1	110.3	109.1
-38.75°	94.2	95.9	97.4	98.5	99.3	99.8	100.0	99.8	99.3	98.5	97.4
-40°	83.8	85.1	86.2	87.0	87.6	88.0	88.1	88.0	87.6	87.0	86.2
-41.25°	74.8	76.1	77.1	77.9	78.4	78.8	78.9	78.8	78.4	77.9	77.1
-42.5°	66.0	67.1	68.0	68.8	69.3	69.6	69.7	69.6	69.3	68.8	68.0
-43.75°	57.4	58.5	59.4	60.1	60.6	60.9	61.0	60.9	60.6	60.1	59.4
-45°	50.2	50.8	51.3	51.7	52.0	52.1	52.2	52.1	52.0	51.7	51.3
-46.25°	45.3	45.8	46.3	46.7	46.9	47.1	47.2	47.1	46.9	46.7	46.3
-47.5°	41.5	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.0	41.9	41.8
-48.75°	39.8	39.9	40.1	40.2	40.3	40.3	40.4	40.3	40.3	40.2	40.1
-50°	38.3	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.5	38.5
-51.25°	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.6	37.6
-52.5°	36.5	36.6	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.7	36.7
-53.75°	35.7	35.8	35.8	35.9	35.9	35.9	36.0	35.9	35.9	35.9	35.8
-55°	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.0	35.0
-56.25°	33.7	33.8	33.9	33.9	34.0	34.0	34.0	34.0	34.0	33.9	33.9
-57.5°	32.7	32.7	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.8
-58.75°	31.8	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.0	31.9	31.9
-60°	30.8	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.0	31.0
-61.25°	29.5	29.6	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.7	29.7
-62.5°	28.2	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.4
-63.75°	26.7	26.7	26.8	26.9	26.9	26.9	27.0	26.9	26.9	26.9	26.8
-65°	25.0	25.2	25.2	25.3	25.4	25.4	25.4	25.4	25.4	25.3	25.2
-66.25°	23.1	23.2	23.3	23.4	23.4	23.4	23.5	23.4	23.4	23.4	23.3
-67.5°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
-68.75°	19.7	19.8	19.8	19.9	19.9	19.9	20.0	19.9	19.9	19.9	19.8
-70°	18.2	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.3	18.3
-71.25°	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.5
-72.5°	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
-73.75°	14.0	14.0	14.0	14.0	14.0	14.0	14.1	14.0	14.0	14.0	14.0
-75°	13.1	13.1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
-76.25°	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
-77.5°	11.3	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-80°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-81.25°	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.5	8.5	8.5	8.5
-82.5°	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-83.75°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.1	6.1
-85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
85°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
83.75°	6.1	6.1	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8
82.5°	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1	7.1
81.25°	8.5	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.2	8.2
80°	9.5	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.1
78.75°	10.5	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.1
77.5°	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.0	10.9
76.25°	12.2	12.2	12.2	12.1	12.1	12.1	12.0	12.0	11.9	11.8	11.8
75°	13.1	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.6
73.75°	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5	13.4
72.5°	14.8	14.8	14.8	14.7	14.7	14.6	14.5	14.5	14.4	14.3	14.2
71.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.2
70°	18.2	18.2	18.1	18.0	17.8	17.7	17.6	17.4	17.2	17.1	16.9
68.75°	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.0	18.8	18.7	18.5
67.5°	21.3	21.2	21.2	21.1	20.9	20.8	20.7	20.5	20.3	20.1	19.9
66.25°	23.2	23.1	23.0	22.9	22.7	22.5	22.3	22.1	21.9	21.6	21.4
65°	25.2	25.0	24.9	24.8	24.6	24.4	24.2	24.0	23.7	23.5	23.2
63.75°	26.7	26.7	26.5	26.4	26.3	26.1	25.9	25.8	25.6	25.3	25.0
62.5°	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.2	27.0	26.8	26.6
61.25°	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7	28.5	28.3	28.0
60°	30.9	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.7	29.5	29.3
58.75°	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.0	30.7	30.5
57.5°	32.7	32.7	32.6	32.5	32.4	32.3	32.2	32.0	31.9	31.7	31.5
56.25°	33.8	33.7	33.6	33.5	33.4	33.2	33.0	32.9	32.7	32.5	32.4
55°	34.9	34.8	34.7	34.6	34.4	34.3	34.1	33.9	33.7	33.5	33.2
53.75°	35.8	35.7	35.6	35.5	35.4	35.3	35.1	35.0	34.7	34.5	34.3
52.5°	36.6	36.5	36.5	36.3	36.2	36.1	36.0	35.8	35.6	35.4	35.2
51.25°	37.5	37.4	37.3	37.2	37.1	36.9	36.8	36.6	36.4	36.2	36.0
50°	38.4	38.3	38.2	38.1	37.9	37.8	37.6	37.4	37.2	37.0	36.8
48.75°	39.9	39.8	39.5	39.3	39.0	38.7	38.5	38.3	38.1	37.9	37.6
47.5°	41.7	41.5	41.2	41.0	40.7	40.4	40.0	39.6	39.2	38.8	38.4
46.25°	45.8	45.3	44.6	43.8	42.9	42.0	41.7	41.3	40.8	40.4	39.9
45°	50.8	50.2	49.5	48.7	47.8	46.8	45.7	44.4	43.1	42.0	41.4
43.75°	58.5	57.4	56.1	54.6	53.0	51.6	50.4	49.2	47.8	46.3	44.8
42.5°	67.1	66.0	64.6	63.1	61.4	59.5	57.4	55.1	52.6	50.9	49.3
41.25°	76.1	74.8	73.3	71.7	69.8	67.8	65.6	63.2	60.6	57.9	55.0
40°	85.1	83.8	82.3	80.5	78.6	76.4	74.0	71.4	68.6	65.8	62.7
38.75°	95.9	94.2	92.1	89.8	87.3	85.1	82.6	79.8	76.9	73.8	70.5
37.5°	107.6	105.8	103.6	101.2	98.4	95.3	92.0	88.3	85.2	82.0	78.5
36.25°	119.2	117.3	115.1	112.5	109.7	106.5	103.0	99.2	95.1	90.7	86.5
35°	130.8	128.8	126.5	123.8	120.8	117.5	113.9	109.9	105.7	101.1	96.3



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	144.9	142.1	138.8	135.1	132.0	128.5	124.7	120.6	116.2	111.5	106.5
32.5°	160.6	157.7	154.2	150.2	145.8	140.9	135.5	131.2	126.6	121.7	116.5
31.25°	177.6	174.1	169.9	165.4	160.8	155.6	150.0	143.9	137.5	131.8	126.4
30°	195.7	191.9	187.5	182.5	176.9	170.7	164.4	158.1	151.3	144.2	136.6
28.75°	215.2	210.6	205.3	199.9	194.0	187.5	180.5	172.9	165.1	157.6	149.7
27.5°	244.5	236.9	228.0	219.2	212.1	204.2	196.9	188.9	180.4	171.5	162.7
26.25°	300.1	285.1	268.8	250.2	237.6	224.6	214.5	204.9	195.9	186.6	176.7
25°	377.7	356.2	333.6	308.0	283.3	259.4	239.9	224.0	212.3	201.5	191.3
23.75°	464.6	440.2	412.7	382.2	349.4	316.5	284.4	255.3	234.7	218.0	205.7
22.5°	551.9	527.3	498.4	464.3	426.6	387.6	346.8	306.9	272.0	242.5	222.1
21.25°	631.6	607.8	580.1	546.4	508.4	465.1	418.7	371.5	325.7	283.2	247.2
20°	691.8	673.7	650.9	621.3	584.6	542.0	494.6	442.1	389.2	337.1	288.8
18.75°	728.6	716.5	701.1	680.8	650.7	612.1	566.4	514.0	456.7	398.0	341.0
17.5°	761.7	748.9	734.8	718.6	698.4	669.4	630.8	580.6	523.6	461.6	398.0
16.25°	795.5	781.8	766.0	748.4	730.0	708.4	680.7	639.9	585.2	523.6	456.7
15°	829.1	814.3	797.4	778.6	758.2	736.7	713.4	684.5	639.9	580.6	514.0
13.75°	860.9	845.8	828.2	808.1	786.4	763.1	739.0	713.4	680.7	630.8	566.4
12.5°	896.7	877.6	857.1	836.7	813.6	789.0	763.1	736.7	708.4	669.4	612.1
11.25°	933.9	912.2	888.1	862.9	839.4	813.6	786.4	758.2	730.0	698.4	650.7
10°	970.1	946.7	920.1	891.7	862.9	836.7	808.1	778.6	748.4	718.6	680.8
8.75°	1002.0	978.6	951.0	920.1	888.1	857.1	828.2	797.4	766.0	734.8	701.1
7.5°	1029.2	1006.2	978.6	946.7	912.2	877.6	845.8	814.3	781.8	748.9	716.5
6.25°	1051.3	1029.2	1002.0	970.1	933.9	896.7	860.9	829.1	795.5	761.7	728.6
5°	1069.1	1047.5	1021.2	989.3	952.8	913.7	875.4	841.2	807.0	772.4	738.2
3.75°	1081.0	1060.9	1035.0	1003.9	967.7	927.4	887.3	850.6	816.2	780.9	745.7
2.5°	1088.9	1070.7	1045.2	1014.4	978.1	937.6	896.1	857.5	822.9	787.1	751.3
1.25°	1092.9	1075.7	1051.1	1020.9	984.5	943.8	901.7	861.7	826.9	790.8	754.8
0°	1094.4	1077.5	1053.0	1023.1	986.7	945.9	903.5	863.1	828.3	792.1	755.9
-1.25°	1092.9	1075.7	1051.1	1020.9	984.5	943.8	901.7	861.7	826.9	790.8	754.8
-2.5°	1088.9	1070.7	1045.2	1014.4	978.1	937.6	896.1	857.5	822.9	787.1	751.3
-3.75°	1081.0	1060.9	1035.0	1003.9	967.7	927.4	887.3	850.6	816.2	780.9	745.7
-5°	1069.1	1047.5	1021.2	989.3	952.8	913.7	875.4	841.2	807.0	772.4	738.2
-6.25°	1051.3	1029.2	1002.0	970.1	933.9	896.7	860.9	829.1	795.5	761.7	728.6
-7.5°	1029.2	1006.2	978.6	946.7	912.2	877.6	845.8	814.3	781.8	748.9	716.5
-8.75°	1002.0	978.6	951.0	920.1	888.1	857.1	828.2	797.4	766.0	734.8	701.1
-10°	970.1	946.7	920.1	891.7	862.9	836.7	808.1	778.6	748.4	718.6	680.8
-11.25°	933.9	912.2	888.1	862.9	839.4	813.6	786.4	758.2	730.0	698.4	650.7
-12.5°	896.7	877.6	857.1	836.7	813.6	789.0	763.1	736.7	708.4	669.4	612.1
-13.75°	860.9	845.8	828.2	808.1	786.4	763.1	739.0	713.4	680.7	630.8	566.4
-15°	829.1	814.3	797.4	778.6	758.2	736.7	713.4	684.5	639.9	580.6	514.0
-16.25°	795.5	781.8	766.0	748.4	730.0	708.4	680.7	639.9	585.2	523.6	456.7
-17.5°	761.7	748.9	734.8	718.6	698.4	669.4	630.8	580.6	523.6	461.6	398.0
-18.75°	728.6	716.5	701.1	680.8	650.7	612.1	566.4	514.0	456.7	398.0	341.0
-20°	691.8	673.7	650.9	621.3	584.6	542.0	494.6	442.1	389.2	337.1	288.8
-21.25°	631.6	607.8	580.1	546.4	508.4	465.1	418.7	371.5	325.7	283.2	247.2



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	551.9	527.3	498.4	464.3	426.6	387.6	346.8	306.9	272.0	242.5	222.1
-23.75°	464.6	440.2	412.7	382.2	349.4	316.5	284.4	255.3	234.7	218.0	205.7
-25°	377.7	356.2	333.6	308.0	283.3	259.4	239.9	224.0	212.3	201.5	191.3
-26.25°	300.1	285.1	268.8	250.2	237.6	224.6	214.5	204.9	195.9	186.6	176.7
-27.5°	244.5	236.9	228.0	219.2	212.1	204.2	196.9	188.9	180.4	171.5	162.7
-28.75°	215.2	210.6	205.3	199.9	194.0	187.5	180.5	172.9	165.1	157.6	149.7
-30°	195.7	191.9	187.5	182.5	176.9	170.7	164.4	158.1	151.3	144.2	136.6
-31.25°	177.6	174.1	169.9	165.4	160.8	155.6	150.0	143.9	137.5	131.8	126.4
-32.5°	160.6	157.7	154.2	150.2	145.8	140.9	135.5	131.2	126.6	121.7	116.5
-33.75°	144.9	142.1	138.8	135.1	132.0	128.5	124.7	120.6	116.2	111.5	106.5
-35°	130.8	128.8	126.5	123.8	120.8	117.5	113.9	109.9	105.7	101.1	96.3
-36.25°	119.2	117.3	115.1	112.5	109.7	106.5	103.0	99.2	95.1	90.7	86.5
-37.5°	107.6	105.8	103.6	101.2	98.4	95.3	92.0	88.3	85.2	82.0	78.5
-38.75°	95.9	94.2	92.1	89.8	87.3	85.1	82.6	79.8	76.9	73.8	70.5
-40°	85.1	83.8	82.3	80.5	78.6	76.4	74.0	71.4	68.6	65.8	62.7
-41.25°	76.1	74.8	73.3	71.7	69.8	67.8	65.6	63.2	60.6	57.9	55.0
-42.5°	67.1	66.0	64.6	63.1	61.4	59.5	57.4	55.1	52.6	50.9	49.3
-43.75°	58.5	57.4	56.1	54.6	53.0	51.6	50.4	49.2	47.8	46.3	44.8
-45°	50.8	50.2	49.5	48.7	47.8	46.8	45.7	44.4	43.1	42.0	41.4
-46.25°	45.8	45.3	44.6	43.8	42.9	42.0	41.7	41.3	40.8	40.4	39.9
-47.5°	41.7	41.5	41.2	41.0	40.7	40.4	40.0	39.6	39.2	38.8	38.4
-48.75°	39.9	39.8	39.5	39.3	39.0	38.7	38.5	38.3	38.1	37.9	37.6
-50°	38.4	38.3	38.2	38.1	37.9	37.8	37.6	37.4	37.2	37.0	36.8
-51.25°	37.5	37.4	37.3	37.2	37.1	36.9	36.8	36.6	36.4	36.2	36.0
-52.5°	36.6	36.5	36.5	36.3	36.2	36.1	36.0	35.8	35.6	35.4	35.2
-53.75°	35.8	35.7	35.6	35.5	35.4	35.3	35.1	35.0	34.7	34.5	34.3
-55°	34.9	34.8	34.7	34.6	34.4	34.3	34.1	33.9	33.7	33.5	33.2
-56.25°	33.8	33.7	33.6	33.5	33.4	33.2	33.0	32.9	32.7	32.5	32.4
-57.5°	32.7	32.7	32.6	32.5	32.4	32.3	32.2	32.0	31.9	31.7	31.5
-58.75°	31.9	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.0	30.7	30.5
-60°	30.9	30.8	30.7	30.6	30.4	30.3	30.1	29.9	29.7	29.5	29.3
-61.25°	29.6	29.5	29.4	29.3	29.2	29.0	28.9	28.7	28.5	28.3	28.0
-62.5°	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.2	27.0	26.8	26.6
-63.75°	26.7	26.7	26.5	26.4	26.3	26.1	25.9	25.8	25.6	25.3	25.0
-65°	25.2	25.0	24.9	24.8	24.6	24.4	24.2	24.0	23.7	23.5	23.2
-66.25°	23.2	23.1	23.0	22.9	22.7	22.5	22.3	22.1	21.9	21.6	21.4
-67.5°	21.3	21.2	21.2	21.1	20.9	20.8	20.7	20.5	20.3	20.1	19.9
-68.75°	19.8	19.7	19.6	19.5	19.4	19.3	19.2	19.0	18.8	18.7	18.5
-70°	18.2	18.2	18.1	18.0	17.8	17.7	17.6	17.4	17.2	17.1	16.9
-71.25°	16.5	16.4	16.3	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.2
-72.5°	14.8	14.8	14.8	14.7	14.7	14.6	14.5	14.5	14.4	14.3	14.2
-73.75°	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5	13.4
-75°	13.1	13.1	13.1	13.0	13.0	12.9	12.9	12.8	12.8	12.7	12.6
-76.25°	12.2	12.2	12.2	12.1	12.1	12.1	12.0	12.0	11.9	11.8	11.8
-77.5°	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.0	10.9



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	10.5	10.4	10.4	10.4	10.3	10.3	10.3	10.2	10.2	10.1	10.1
-80°	9.5	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.2	9.1
-81.25°	8.5	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.3	8.2	8.2
-82.5°	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2	7.2	7.1	7.1
-83.75°	6.1	6.1	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.8
-85°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
-86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
-87.5°	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
86.25°	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
85°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	4.0
83.75°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.2	5.2	5.1
82.5°	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2
81.25°	8.1	8.0	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
80°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.6	8.5	8.4	8.3
78.75°	10.0	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2
77.5°	10.8	10.8	10.7	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0
76.25°	11.7	11.6	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.8	10.7
75°	12.5	12.5	12.4	12.3	12.2	12.1	12.0	11.8	11.7	11.6	11.5
73.75°	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5	12.4	12.2
72.5°	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.4	13.3	13.1	13.0
71.25°	15.0	14.9	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7
70°	16.6	16.4	16.2	15.9	15.7	15.4	15.1	14.9	14.7	14.6	14.4
68.75°	18.3	18.0	17.8	17.5	17.2	17.0	16.7	16.3	16.0	15.7	15.3
67.5°	19.7	19.5	19.3	19.0	18.8	18.5	18.2	17.8	17.5	17.1	16.8
66.25°	21.2	20.9	20.7	20.4	20.1	19.9	19.6	19.2	18.9	18.6	18.2
65°	22.9	22.6	22.3	21.9	21.5	21.2	20.9	20.6	20.2	19.9	19.5
63.75°	24.7	24.4	24.0	23.7	23.3	22.9	22.4	22.0	21.5	21.1	20.8
62.5°	26.3	26.0	25.7	25.4	25.0	24.6	24.1	23.7	23.2	22.7	22.2
61.25°	27.7	27.4	27.1	26.8	26.4	26.1	25.7	25.3	24.8	24.3	23.7
60°	29.0	28.8	28.5	28.2	27.8	27.4	27.0	26.6	26.2	25.8	25.3
58.75°	30.2	30.0	29.7	29.4	29.1	28.7	28.4	27.9	27.5	27.0	26.6
57.5°	31.3	31.1	30.9	30.5	30.2	29.9	29.5	29.1	28.7	28.3	27.8
56.25°	32.2	32.0	31.7	31.5	31.3	31.0	30.6	30.2	29.8	29.4	29.0
55°	33.0	32.8	32.5	32.3	32.1	31.8	31.5	31.2	30.9	30.4	30.0
53.75°	34.0	33.7	33.4	33.1	32.8	32.6	32.3	32.0	31.7	31.4	31.0
52.5°	35.0	34.7	34.4	34.1	33.8	33.4	33.1	32.7	32.4	32.1	31.7
51.25°	35.8	35.6	35.3	35.1	34.7	34.4	34.0	33.6	33.2	32.8	32.4
50°	36.6	36.3	36.1	35.8	35.5	35.2	34.9	34.5	34.1	33.6	33.2
48.75°	37.4	37.1	36.8	36.5	36.3	36.0	35.6	35.3	34.9	34.5	34.0
47.5°	38.2	37.9	37.6	37.3	37.0	36.7	36.3	36.0	35.6	35.3	34.9
46.25°	39.3	38.8	38.4	38.1	37.7	37.4	37.0	36.7	36.3	35.9	35.6
45°	40.9	40.3	39.7	39.1	38.5	38.1	37.8	37.4	37.0	36.6	36.2
43.75°	43.1	41.8	41.2	40.5	39.9	39.1	38.5	38.1	37.7	37.3	36.8
42.5°	47.6	45.8	43.9	42.0	41.3	40.6	39.8	39.0	38.4	37.9	37.5
41.25°	52.0	50.1	48.1	46.1	43.9	42.0	41.2	40.3	39.5	38.6	38.1
40°	59.5	56.1	52.6	50.3	48.0	45.7	43.3	41.7	40.8	39.9	38.9
38.75°	67.1	63.6	59.9	56.0	52.1	49.7	47.2	44.7	42.1	41.1	40.2
37.5°	74.9	71.0	67.1	63.2	59.0	54.7	51.1	48.4	45.7	42.9	41.4
36.25°	82.7	78.8	74.6	70.2	65.9	61.5	56.9	52.2	49.4	46.5	43.5
35°	91.2	86.4	82.1	77.6	72.9	68.2	63.4	58.5	53.5	50.0	46.9



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	101.2	95.7	89.9	84.8	80.0	75.0	69.9	64.8	59.6	54.3	50.3
32.5°	111.1	105.3	99.3	93.1	87.0	81.8	76.5	71.0	65.6	60.2	54.6
31.25°	120.8	114.9	108.7	102.2	95.6	88.7	83.1	77.4	71.6	65.9	60.2
30°	130.4	124.2	117.8	111.2	104.3	97.2	89.9	83.7	77.7	71.6	65.6
28.75°	141.4	133.5	126.9	120.0	112.9	105.6	98.0	90.3	83.7	77.4	71.0
27.5°	154.1	145.1	135.8	128.6	121.3	113.7	106.0	98.0	89.9	83.1	76.5
26.25°	166.6	157.3	147.6	137.7	129.5	121.7	113.7	105.6	97.2	88.7	81.8
25°	180.6	169.4	159.2	148.9	138.3	129.5	121.3	112.9	104.3	95.6	87.0
23.75°	194.4	182.9	170.9	159.8	148.9	137.7	128.6	120.0	111.2	102.2	93.1
22.5°	208.5	196.0	183.6	170.9	159.2	147.6	135.8	126.9	117.8	108.7	99.3
21.25°	225.2	209.4	196.0	182.9	169.4	157.3	145.1	133.5	124.2	114.9	105.3
20°	248.9	225.2	208.5	194.4	180.6	166.6	154.1	141.4	130.4	120.8	111.1
18.75°	288.8	247.2	222.1	205.7	191.3	176.7	162.7	149.7	136.6	126.4	116.5
17.5°	337.1	283.2	242.5	218.0	201.5	186.6	171.5	157.6	144.2	131.8	121.7
16.25°	389.2	325.7	272.0	234.7	212.3	195.9	180.4	165.1	151.3	137.5	126.6
15°	442.1	371.5	306.9	255.3	224.0	204.9	188.9	172.9	158.1	143.9	131.2
13.75°	494.6	418.7	346.8	284.4	239.9	214.5	196.9	180.5	164.4	150.0	135.5
12.5°	542.0	465.1	387.6	316.5	259.4	224.6	204.2	187.5	170.7	155.6	140.9
11.25°	584.6	508.4	426.6	349.4	283.3	237.6	212.1	194.0	176.9	160.8	145.8
10°	621.3	546.4	464.3	382.2	308.0	250.2	219.2	199.9	182.5	165.4	150.2
8.75°	650.9	580.1	498.4	412.7	333.6	268.8	228.0	205.3	187.5	169.9	154.2
7.5°	673.7	607.8	527.3	440.2	356.2	285.1	236.9	210.6	191.9	174.1	157.7
6.25°	691.8	631.6	551.9	464.6	377.7	300.1	244.5	215.2	195.7	177.6	160.6
5°	702.2	648.6	572.3	484.9	395.8	315.3	252.5	218.9	198.8	180.6	163.0
3.75°	710.4	660.7	587.1	500.8	409.9	327.1	261.1	222.1	201.2	182.9	164.9
2.5°	716.3	669.5	597.7	511.8	420.1	335.7	267.2	225.5	202.9	184.5	166.3
1.25°	719.9	674.7	604.1	518.4	426.2	340.8	271.0	227.5	204.0	185.5	167.1
0°	721.1	676.5	606.3	520.6	428.3	342.6	272.2	228.2	204.3	185.9	167.4
-1.25°	719.9	674.7	604.1	518.4	426.2	340.8	271.0	227.5	204.0	185.5	167.1
-2.5°	716.3	669.5	597.7	511.8	420.1	335.7	267.2	225.5	202.9	184.5	166.3
-3.75°	710.4	660.7	587.1	500.8	409.9	327.1	261.1	222.1	201.2	182.9	164.9
-5°	702.2	648.6	572.3	484.9	395.8	315.3	252.5	218.9	198.8	180.6	163.0
-6.25°	691.8	631.6	551.9	464.6	377.7	300.1	244.5	215.2	195.7	177.6	160.6
-7.5°	673.7	607.8	527.3	440.2	356.2	285.1	236.9	210.6	191.9	174.1	157.7
-8.75°	650.9	580.1	498.4	412.7	333.6	268.8	228.0	205.3	187.5	169.9	154.2
-10°	621.3	546.4	464.3	382.2	308.0	250.2	219.2	199.9	182.5	165.4	150.2
-11.25°	584.6	508.4	426.6	349.4	283.3	237.6	212.1	194.0	176.9	160.8	145.8
-12.5°	542.0	465.1	387.6	316.5	259.4	224.6	204.2	187.5	170.7	155.6	140.9
-13.75°	494.6	418.7	346.8	284.4	239.9	214.5	196.9	180.5	164.4	150.0	135.5
-15°	442.1	371.5	306.9	255.3	224.0	204.9	188.9	172.9	158.1	143.9	131.2
-16.25°	389.2	325.7	272.0	234.7	212.3	195.9	180.4	165.1	151.3	137.5	126.6
-17.5°	337.1	283.2	242.5	218.0	201.5	186.6	171.5	157.6	144.2	131.8	121.7
-18.75°	288.8	247.2	222.1	205.7	191.3	176.7	162.7	149.7	136.6	126.4	116.5
-20°	248.9	225.2	208.5	194.4	180.6	166.6	154.1	141.4	130.4	120.8	111.1
-21.25°	225.2	209.4	196.0	182.9	169.4	157.3	145.1	133.5	124.2	114.9	105.3



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	208.5	196.0	183.6	170.9	159.2	147.6	135.8	126.9	117.8	108.7	99.3
-23.75°	194.4	182.9	170.9	159.8	148.9	137.7	128.6	120.0	111.2	102.2	93.1
-25°	180.6	169.4	159.2	148.9	138.3	129.5	121.3	112.9	104.3	95.6	87.0
-26.25°	166.6	157.3	147.6	137.7	129.5	121.7	113.7	105.6	97.2	88.7	81.8
-27.5°	154.1	145.1	135.8	128.6	121.3	113.7	106.0	98.0	89.9	83.1	76.5
-28.75°	141.4	133.5	126.9	120.0	112.9	105.6	98.0	90.3	83.7	77.4	71.0
-30°	130.4	124.2	117.8	111.2	104.3	97.2	89.9	83.7	77.7	71.6	65.6
-31.25°	120.8	114.9	108.7	102.2	95.6	88.7	83.1	77.4	71.6	65.9	60.2
-32.5°	111.1	105.3	99.3	93.1	87.0	81.8	76.5	71.0	65.6	60.2	54.6
-33.75°	101.2	95.7	89.9	84.8	80.0	75.0	69.9	64.8	59.6	54.3	50.3
-35°	91.2	86.4	82.1	77.6	72.9	68.2	63.4	58.5	53.5	50.0	46.9
-36.25°	82.7	78.8	74.6	70.2	65.9	61.5	56.9	52.2	49.4	46.5	43.5
-37.5°	74.9	71.0	67.1	63.2	59.0	54.7	51.1	48.4	45.7	42.9	41.4
-38.75°	67.1	63.6	59.9	56.0	52.1	49.7	47.2	44.7	42.1	41.1	40.2
-40°	59.5	56.1	52.6	50.3	48.0	45.7	43.3	41.7	40.8	39.9	38.9
-41.25°	52.0	50.1	48.1	46.1	43.9	42.0	41.2	40.3	39.5	38.6	38.1
-42.5°	47.6	45.8	43.9	42.0	41.3	40.6	39.8	39.0	38.4	37.9	37.5
-43.75°	43.1	41.8	41.2	40.5	39.9	39.1	38.5	38.1	37.7	37.3	36.8
-45°	40.9	40.3	39.7	39.1	38.5	38.1	37.8	37.4	37.0	36.6	36.2
-46.25°	39.3	38.8	38.4	38.1	37.7	37.4	37.0	36.7	36.3	35.9	35.6
-47.5°	38.2	37.9	37.6	37.3	37.0	36.7	36.3	36.0	35.6	35.3	34.9
-48.75°	37.4	37.1	36.8	36.5	36.3	36.0	35.6	35.3	34.9	34.5	34.0
-50°	36.6	36.3	36.1	35.8	35.5	35.2	34.9	34.5	34.1	33.6	33.2
-51.25°	35.8	35.6	35.3	35.1	34.7	34.4	34.0	33.6	33.2	32.8	32.4
-52.5°	35.0	34.7	34.4	34.1	33.8	33.4	33.1	32.7	32.4	32.1	31.7
-53.75°	34.0	33.7	33.4	33.1	32.8	32.6	32.3	32.0	31.7	31.4	31.0
-55°	33.0	32.8	32.5	32.3	32.1	31.8	31.5	31.2	30.9	30.4	30.0
-56.25°	32.2	32.0	31.7	31.5	31.3	31.0	30.6	30.2	29.8	29.4	29.0
-57.5°	31.3	31.1	30.9	30.5	30.2	29.9	29.5	29.1	28.7	28.3	27.8
-58.75°	30.2	30.0	29.7	29.4	29.1	28.7	28.4	27.9	27.5	27.0	26.6
-60°	29.0	28.8	28.5	28.2	27.8	27.4	27.0	26.6	26.2	25.8	25.3
-61.25°	27.7	27.4	27.1	26.8	26.4	26.1	25.7	25.3	24.8	24.3	23.7
-62.5°	26.3	26.0	25.7	25.4	25.0	24.6	24.1	23.7	23.2	22.7	22.2
-63.75°	24.7	24.4	24.0	23.7	23.3	22.9	22.4	22.0	21.5	21.1	20.8
-65°	22.9	22.6	22.3	21.9	21.5	21.2	20.9	20.6	20.2	19.9	19.5
-66.25°	21.2	20.9	20.7	20.4	20.1	19.9	19.6	19.2	18.9	18.6	18.2
-67.5°	19.7	19.5	19.3	19.0	18.8	18.5	18.2	17.8	17.5	17.1	16.8
-68.75°	18.3	18.0	17.8	17.5	17.2	17.0	16.7	16.3	16.0	15.7	15.3
-70°	16.6	16.4	16.2	15.9	15.7	15.4	15.1	14.9	14.7	14.6	14.4
-71.25°	15.0	14.9	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7
-72.5°	14.2	14.1	14.0	13.9	13.8	13.6	13.5	13.4	13.3	13.1	13.0
-73.75°	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5	12.4	12.2
-75°	12.5	12.5	12.4	12.3	12.2	12.1	12.0	11.8	11.7	11.6	11.5
-76.25°	11.7	11.6	11.5	11.4	11.4	11.3	11.2	11.1	11.0	10.8	10.7
-77.5°	10.8	10.8	10.7	10.6	10.5	10.5	10.4	10.3	10.2	10.1	10.0



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 CATALOG NUMBER: 1003-[A1, 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°	10.0	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2
-80°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.6	8.5	8.4	8.3
-81.25°	8.1	8.0	8.0	7.9	7.9	7.8	7.7	7.6	7.6	7.5	7.4
-82.5°	7.0	6.9	6.9	6.8	6.7	6.7	6.6	6.5	6.4	6.3	6.2
-83.75°	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.2	5.2	5.1
-85°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	4.0
-86.25°	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
-87.5°	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
86.25°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3
85°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2
83.75°	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
82.5°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0
81.25°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
80°	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.0	6.8
78.75°	9.0	8.9	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7
77.5°	9.9	9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.4
76.25°	10.6	10.5	10.4	10.2	10.1	10.0	9.8	9.7	9.5	9.3	9.1
75°	11.3	11.2	11.1	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.8
73.75°	12.1	11.9	11.8	11.6	11.5	11.3	11.1	11.0	10.8	10.6	10.4
72.5°	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.6	11.4	11.2	11.0
71.25°	13.5	13.4	13.2	13.0	12.9	12.7	12.5	12.3	12.1	11.9	11.6
70°	14.2	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3
68.75°	15.0	14.7	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.9
67.5°	16.4	16.0	15.6	15.1	14.8	14.6	14.4	14.1	13.9	13.7	13.4
66.25°	17.8	17.4	16.9	16.5	16.0	15.6	15.1	14.7	14.5	14.3	14.0
65°	19.1	18.7	18.3	17.8	17.3	16.8	16.3	15.8	15.3	14.8	14.6
63.75°	20.4	19.9	19.5	19.1	18.6	18.1	17.6	17.0	16.5	15.9	15.3
62.5°	21.6	21.2	20.7	20.2	19.8	19.3	18.8	18.3	17.7	17.1	16.5
61.25°	23.2	22.6	22.0	21.4	20.9	20.4	19.9	19.4	18.8	18.2	17.6
60°	24.7	24.1	23.5	22.9	22.2	21.5	21.0	20.4	19.9	19.3	18.7
58.75°	26.1	25.6	25.0	24.3	23.6	22.9	22.2	21.5	20.9	20.3	19.7
57.5°	27.3	26.8	26.2	25.7	25.0	24.3	23.6	22.8	22.0	21.3	20.6
56.25°	28.5	28.0	27.4	26.8	26.2	25.6	24.9	24.1	23.3	22.5	21.6
55°	29.5	29.0	28.6	28.0	27.3	26.7	26.1	25.4	24.6	23.7	22.9
53.75°	30.5	30.0	29.5	29.0	28.5	27.8	27.1	26.4	25.8	25.0	24.1
52.5°	31.4	31.0	30.5	29.9	29.4	28.8	28.2	27.5	26.7	26.0	25.2
51.25°	32.1	31.7	31.3	30.9	30.3	29.7	29.1	28.5	27.7	27.0	26.2
50°	32.8	32.4	32.0	31.6	31.2	30.6	30.0	29.3	28.7	27.9	27.1
48.75°	33.6	33.1	32.6	32.2	31.8	31.3	30.8	30.1	29.5	28.8	28.0
47.5°	34.4	33.9	33.4	32.8	32.4	31.9	31.5	31.0	30.3	29.6	28.9
46.25°	35.2	34.7	34.1	33.6	33.0	32.5	32.1	31.6	31.1	30.3	29.6
45°	35.8	35.4	34.9	34.3	33.8	33.2	32.6	32.1	31.6	31.1	30.3
43.75°	36.4	36.0	35.5	35.1	34.5	33.9	33.2	32.7	32.1	31.6	31.1
42.5°	37.0	36.6	36.1	35.6	35.2	34.6	33.9	33.3	32.7	32.1	31.6
41.25°	37.7	37.2	36.7	36.2	35.7	35.2	34.6	33.9	33.2	32.6	32.1
40°	38.3	37.8	37.3	36.8	36.2	35.7	35.2	34.6	33.9	33.2	32.5
38.75°	39.2	38.4	37.9	37.3	36.8	36.2	35.7	35.2	34.5	33.8	33.0
37.5°	40.4	39.3	38.4	37.9	37.3	36.8	36.2	35.6	35.1	34.3	33.6
36.25°	41.6	40.5	39.4	38.4	37.9	37.3	36.7	36.1	35.5	34.9	34.1
35°	43.8	41.6	40.5	39.3	38.4	37.8	37.2	36.6	36.0	35.4	34.7



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	47.1	43.8	41.6	40.4	39.2	38.3	37.7	37.0	36.4	35.8	35.2
32.5°	50.3	46.9	43.5	41.4	40.2	38.9	38.1	37.5	36.8	36.2	35.6
31.25°	54.3	50.0	46.5	42.9	41.1	39.9	38.6	37.9	37.3	36.6	35.9
30°	59.6	53.5	49.4	45.7	42.1	40.8	39.5	38.4	37.7	37.0	36.3
28.75°	64.8	58.5	52.2	48.4	44.7	41.7	40.3	39.0	38.1	37.4	36.7
27.5°	69.9	63.4	56.9	51.1	47.2	43.3	41.2	39.8	38.5	37.8	37.0
26.25°	75.0	68.2	61.5	54.7	49.7	45.7	42.0	40.6	39.1	38.1	37.4
25°	80.0	72.9	65.9	59.0	52.1	48.0	43.9	41.3	39.9	38.5	37.7
23.75°	84.8	77.6	70.2	63.2	56.0	50.3	46.1	42.0	40.5	39.1	38.1
22.5°	89.9	82.1	74.6	67.1	59.9	52.6	48.1	43.9	41.2	39.7	38.4
21.25°	95.7	86.4	78.8	71.0	63.6	56.1	50.1	45.8	41.8	40.3	38.8
20°	101.2	91.2	82.7	74.9	67.1	59.5	52.0	47.6	43.1	40.9	39.3
18.75°	106.5	96.3	86.5	78.5	70.5	62.7	55.0	49.3	44.8	41.4	39.9
17.5°	111.5	101.1	90.7	82.0	73.8	65.8	57.9	50.9	46.3	42.0	40.4
16.25°	116.2	105.7	95.1	85.2	76.9	68.6	60.6	52.6	47.8	43.1	40.8
15°	120.6	109.9	99.2	88.3	79.8	71.4	63.2	55.1	49.2	44.4	41.3
13.75°	124.7	113.9	103.0	92.0	82.6	74.0	65.6	57.4	50.4	45.7	41.7
12.5°	128.5	117.5	106.5	95.3	85.1	76.4	67.8	59.5	51.6	46.8	42.0
11.25°	132.0	120.8	109.7	98.4	87.3	78.6	69.8	61.4	53.0	47.8	42.9
10°	135.1	123.8	112.5	101.2	89.8	80.5	71.7	63.1	54.6	48.7	43.8
8.75°	138.8	126.5	115.1	103.6	92.1	82.3	73.3	64.6	56.1	49.5	44.6
7.5°	142.1	128.8	117.3	105.8	94.2	83.8	74.8	66.0	57.4	50.2	45.3
6.25°	144.9	130.8	119.2	107.6	95.9	85.1	76.1	67.1	58.5	50.8	45.8
5°	147.2	132.5	120.8	109.1	97.4	86.2	77.1	68.0	59.4	51.3	46.3
3.75°	149.1	133.7	122.0	110.3	98.5	87.0	77.9	68.8	60.1	51.7	46.7
2.5°	150.4	134.7	122.9	111.1	99.3	87.6	78.4	69.3	60.6	52.0	46.9
1.25°	151.1	135.2	123.4	111.6	99.8	88.0	78.8	69.6	60.9	52.1	47.1
0°	151.4	135.4	123.6	111.8	100.0	88.1	78.9	69.7	61.0	52.2	47.2
-1.25°	151.1	135.2	123.4	111.6	99.8	88.0	78.8	69.6	60.9	52.1	47.1
-2.5°	150.4	134.7	122.9	111.1	99.3	87.6	78.4	69.3	60.6	52.0	46.9
-3.75°	149.1	133.7	122.0	110.3	98.5	87.0	77.9	68.8	60.1	51.7	46.7
-5°	147.2	132.5	120.8	109.1	97.4	86.2	77.1	68.0	59.4	51.3	46.3
-6.25°	144.9	130.8	119.2	107.6	95.9	85.1	76.1	67.1	58.5	50.8	45.8
-7.5°	142.1	128.8	117.3	105.8	94.2	83.8	74.8	66.0	57.4	50.2	45.3
-8.75°	138.8	126.5	115.1	103.6	92.1	82.3	73.3	64.6	56.1	49.5	44.6
-10°	135.1	123.8	112.5	101.2	89.8	80.5	71.7	63.1	54.6	48.7	43.8
-11.25°	132.0	120.8	109.7	98.4	87.3	78.6	69.8	61.4	53.0	47.8	42.9
-12.5°	128.5	117.5	106.5	95.3	85.1	76.4	67.8	59.5	51.6	46.8	42.0
-13.75°	124.7	113.9	103.0	92.0	82.6	74.0	65.6	57.4	50.4	45.7	41.7
-15°	120.6	109.9	99.2	88.3	79.8	71.4	63.2	55.1	49.2	44.4	41.3
-16.25°	116.2	105.7	95.1	85.2	76.9	68.6	60.6	52.6	47.8	43.1	40.8
-17.5°	111.5	101.1	90.7	82.0	73.8	65.8	57.9	50.9	46.3	42.0	40.4
-18.75°	106.5	96.3	86.5	78.5	70.5	62.7	55.0	49.3	44.8	41.4	39.9
-20°	101.2	91.2	82.7	74.9	67.1	59.5	52.0	47.6	43.1	40.9	39.3
-21.25°	95.7	86.4	78.8	71.0	63.6	56.1	50.1	45.8	41.8	40.3	38.8



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	89.9	82.1	74.6	67.1	59.9	52.6	48.1	43.9	41.2	39.7	38.4
-23.75°	84.8	77.6	70.2	63.2	56.0	50.3	46.1	42.0	40.5	39.1	38.1
-25°	80.0	72.9	65.9	59.0	52.1	48.0	43.9	41.3	39.9	38.5	37.7
-26.25°	75.0	68.2	61.5	54.7	49.7	45.7	42.0	40.6	39.1	38.1	37.4
-27.5°	69.9	63.4	56.9	51.1	47.2	43.3	41.2	39.8	38.5	37.8	37.0
-28.75°	64.8	58.5	52.2	48.4	44.7	41.7	40.3	39.0	38.1	37.4	36.7
-30°	59.6	53.5	49.4	45.7	42.1	40.8	39.5	38.4	37.7	37.0	36.3
-31.25°	54.3	50.0	46.5	42.9	41.1	39.9	38.6	37.9	37.3	36.6	35.9
-32.5°	50.3	46.9	43.5	41.4	40.2	38.9	38.1	37.5	36.8	36.2	35.6
-33.75°	47.1	43.8	41.6	40.4	39.2	38.3	37.7	37.0	36.4	35.8	35.2
-35°	43.8	41.6	40.5	39.3	38.4	37.8	37.2	36.6	36.0	35.4	34.7
-36.25°	41.6	40.5	39.4	38.4	37.9	37.3	36.7	36.1	35.5	34.9	34.1
-37.5°	40.4	39.3	38.4	37.9	37.3	36.8	36.2	35.6	35.1	34.3	33.6
-38.75°	39.2	38.4	37.9	37.3	36.8	36.2	35.7	35.2	34.5	33.8	33.0
-40°	38.3	37.8	37.3	36.8	36.2	35.7	35.2	34.6	33.9	33.2	32.5
-41.25°	37.7	37.2	36.7	36.2	35.7	35.2	34.6	33.9	33.2	32.6	32.1
-42.5°	37.0	36.6	36.1	35.6	35.2	34.6	33.9	33.3	32.7	32.1	31.6
-43.75°	36.4	36.0	35.5	35.1	34.5	33.9	33.2	32.7	32.1	31.6	31.1
-45°	35.8	35.4	34.9	34.3	33.8	33.2	32.6	32.1	31.6	31.1	30.3
-46.25°	35.2	34.7	34.1	33.6	33.0	32.5	32.1	31.6	31.1	30.3	29.6
-47.5°	34.4	33.9	33.4	32.8	32.4	31.9	31.5	31.0	30.3	29.6	28.9
-48.75°	33.6	33.1	32.6	32.2	31.8	31.3	30.8	30.1	29.5	28.8	28.0
-50°	32.8	32.4	32.0	31.6	31.2	30.6	30.0	29.3	28.7	27.9	27.1
-51.25°	32.1	31.7	31.3	30.9	30.3	29.7	29.1	28.5	27.7	27.0	26.2
-52.5°	31.4	31.0	30.5	29.9	29.4	28.8	28.2	27.5	26.7	26.0	25.2
-53.75°	30.5	30.0	29.5	29.0	28.5	27.8	27.1	26.4	25.8	25.0	24.1
-55°	29.5	29.0	28.6	28.0	27.3	26.7	26.1	25.4	24.6	23.7	22.9
-56.25°	28.5	28.0	27.4	26.8	26.2	25.6	24.9	24.1	23.3	22.5	21.6
-57.5°	27.3	26.8	26.2	25.7	25.0	24.3	23.6	22.8	22.0	21.3	20.6
-58.75°	26.1	25.6	25.0	24.3	23.6	22.9	22.2	21.5	20.9	20.3	19.7
-60°	24.7	24.1	23.5	22.9	22.2	21.5	21.0	20.4	19.9	19.3	18.7
-61.25°	23.2	22.6	22.0	21.4	20.9	20.4	19.9	19.4	18.8	18.2	17.6
-62.5°	21.6	21.2	20.7	20.2	19.8	19.3	18.8	18.3	17.7	17.1	16.5
-63.75°	20.4	19.9	19.5	19.1	18.6	18.1	17.6	17.0	16.5	15.9	15.3
-65°	19.1	18.7	18.3	17.8	17.3	16.8	16.3	15.8	15.3	14.8	14.6
-66.25°	17.8	17.4	16.9	16.5	16.0	15.6	15.1	14.7	14.5	14.3	14.0
-67.5°	16.4	16.0	15.6	15.1	14.8	14.6	14.4	14.1	13.9	13.7	13.4
-68.75°	15.0	14.7	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.1	12.9
-70°	14.2	14.1	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3
-71.25°	13.5	13.4	13.2	13.0	12.9	12.7	12.5	12.3	12.1	11.9	11.6
-72.5°	12.8	12.7	12.5	12.3	12.2	12.0	11.8	11.6	11.4	11.2	11.0
-73.75°	12.1	11.9	11.8	11.6	11.5	11.3	11.1	11.0	10.8	10.6	10.4
-75°	11.3	11.2	11.1	10.9	10.8	10.6	10.5	10.3	10.2	10.0	9.8
-76.25°	10.6	10.5	10.4	10.2	10.1	10.0	9.8	9.7	9.5	9.3	9.1
-77.5°	9.9	9.8	9.6	9.5	9.4	9.2	9.1	8.9	8.8	8.6	8.4



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	9.0	8.9	8.8	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7
-80°	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.3	7.2	7.0	6.8
-81.25°	7.2	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.1	5.9
-82.5°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0
-83.75°	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
-85°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2
-86.25°	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3
-87.5°	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
-88.75°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
85°	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2
83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.8
82.5°	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5
81.25°	5.8	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
80°	6.7	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.8
78.75°	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.7	5.4
77.5°	8.3	8.1	7.9	7.7	7.6	7.3	7.1	6.9	6.6	6.4	6.1
76.25°	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.8
75°	9.7	9.5	9.2	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.4
73.75°	10.2	10.1	9.9	9.7	9.4	9.2	9.0	8.7	8.5	8.2	8.0
72.5°	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.5
71.25°	11.4	11.2	11.0	10.8	10.5	10.3	10.0	9.8	9.6	9.3	9.0
70°	12.0	11.8	11.5	11.3	11.1	10.8	10.5	10.3	10.0	9.8	9.5
68.75°	12.6	12.4	12.1	11.8	11.6	11.3	11.0	10.8	10.5	10.2	9.9
67.5°	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.6	10.3
66.25°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.8
65°	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.8	11.5	11.2
63.75°	14.8	14.5	14.2	13.9	13.6	13.3	13.0	12.6	12.3	12.0	11.6
62.5°	15.8	15.2	14.7	14.4	14.1	13.8	13.4	13.1	12.7	12.4	12.0
61.25°	16.9	16.3	15.6	14.9	14.6	14.2	13.9	13.5	13.2	12.8	12.4
60°	18.0	17.3	16.6	15.9	15.2	14.7	14.3	14.0	13.6	13.2	12.8
58.75°	19.0	18.4	17.7	16.9	16.2	15.4	14.8	14.4	14.0	13.6	13.2
57.5°	20.0	19.3	18.7	17.9	17.1	16.3	15.5	14.8	14.4	14.0	13.6
56.25°	20.9	20.2	19.5	18.8	18.1	17.3	16.4	15.6	14.8	14.4	14.0
55°	22.0	21.2	20.4	19.7	18.9	18.2	17.3	16.4	15.5	14.8	14.3
53.75°	23.1	22.2	21.3	20.5	19.8	19.0	18.2	17.3	16.3	15.4	14.7
52.5°	24.3	23.3	22.3	21.4	20.6	19.8	18.9	18.1	17.1	16.2	15.2
51.25°	25.4	24.4	23.4	22.4	21.4	20.5	19.7	18.8	17.9	16.9	15.9
50°	26.3	25.5	24.5	23.4	22.3	21.3	20.4	19.5	18.7	17.7	16.6
48.75°	27.2	26.4	25.5	24.4	23.3	22.2	21.2	20.2	19.3	18.4	17.3
47.5°	28.1	27.2	26.3	25.4	24.3	23.1	22.0	20.9	20.0	19.0	18.0
46.25°	28.9	28.0	27.1	26.2	25.2	24.1	22.9	21.6	20.6	19.7	18.7
45°	29.6	28.8	27.9	27.0	26.0	25.0	23.7	22.5	21.3	20.3	19.3
43.75°	30.3	29.5	28.7	27.7	26.7	25.8	24.6	23.3	22.0	20.9	19.9
42.5°	31.0	30.1	29.3	28.5	27.5	26.4	25.4	24.1	22.8	21.5	20.4
41.25°	31.5	30.8	30.0	29.1	28.2	27.1	26.1	24.9	23.6	22.2	21.0
40°	31.9	31.3	30.6	29.7	28.8	27.8	26.7	25.6	24.3	22.9	21.5
38.75°	32.4	31.8	31.2	30.3	29.4	28.5	27.3	26.2	25.0	23.6	22.2
37.5°	32.8	32.2	31.6	30.9	29.9	29.0	28.0	26.8	25.7	24.3	22.9
36.25°	33.4	32.6	32.0	31.3	30.5	29.5	28.6	27.4	26.2	25.0	23.5
35°	33.9	33.1	32.4	31.7	31.0	30.0	29.0	28.0	26.8	25.6	24.1



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	34.4	33.6	32.8	32.1	31.4	30.5	29.5	28.5	27.3	26.1	24.7
32.5°	34.9	34.0	33.2	32.4	31.7	31.0	30.0	29.0	27.8	26.6	25.3
31.25°	35.3	34.5	33.6	32.8	32.1	31.4	30.4	29.4	28.3	27.0	25.8
30°	35.6	34.9	34.1	33.2	32.4	31.7	30.9	29.8	28.7	27.5	26.2
28.75°	36.0	35.3	34.5	33.6	32.7	32.0	31.2	30.2	29.1	27.9	26.6
27.5°	36.3	35.6	34.9	34.0	33.1	32.3	31.5	30.6	29.5	28.4	27.0
26.25°	36.7	36.0	35.2	34.4	33.4	32.6	31.8	31.0	29.9	28.7	27.4
25°	37.0	36.3	35.5	34.7	33.8	32.8	32.1	31.3	30.2	29.1	27.8
23.75°	37.3	36.5	35.8	35.1	34.1	33.1	32.3	31.5	30.5	29.4	28.2
22.5°	37.6	36.8	36.1	35.3	34.4	33.4	32.5	31.7	30.9	29.7	28.5
21.25°	37.9	37.1	36.3	35.6	34.7	33.7	32.8	32.0	31.1	30.0	28.8
20°	38.2	37.4	36.6	35.8	35.0	34.0	33.0	32.2	31.3	30.2	29.0
18.75°	38.4	37.6	36.8	36.0	35.2	34.3	33.2	32.4	31.5	30.5	29.3
17.5°	38.8	37.9	37.0	36.2	35.4	34.5	33.5	32.5	31.7	30.7	29.5
16.25°	39.2	38.1	37.2	36.4	35.6	34.7	33.7	32.7	31.9	31.0	29.7
15°	39.6	38.3	37.4	36.6	35.8	35.0	33.9	32.9	32.0	31.2	29.9
13.75°	40.0	38.5	37.6	36.8	36.0	35.1	34.1	33.0	32.2	31.3	30.1
12.5°	40.4	38.7	37.8	36.9	36.1	35.3	34.3	33.2	32.3	31.4	30.3
11.25°	40.7	39.0	37.9	37.1	36.2	35.4	34.4	33.4	32.4	31.5	30.4
10°	41.0	39.3	38.1	37.2	36.3	35.5	34.6	33.5	32.5	31.6	30.6
8.75°	41.2	39.5	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.7
7.5°	41.5	39.8	38.3	37.4	36.5	35.7	34.8	33.7	32.7	31.8	30.8
6.25°	41.7	39.9	38.4	37.5	36.6	35.8	34.9	33.8	32.7	31.9	30.9
5°	41.8	40.1	38.5	37.6	36.7	35.8	35.0	33.9	32.8	31.9	31.0
3.75°	41.9	40.2	38.5	37.6	36.7	35.9	35.0	33.9	32.8	31.9	31.0
2.5°	42.0	40.3	38.6	37.7	36.8	35.9	35.1	34.0	32.9	32.0	31.1
1.25°	42.1	40.3	38.6	37.7	36.8	35.9	35.1	34.0	32.9	32.0	31.1
0°	42.1	40.4	38.6	37.7	36.8	36.0	35.1	34.0	32.9	32.0	31.1
-1.25°	42.1	40.3	38.6	37.7	36.8	35.9	35.1	34.0	32.9	32.0	31.1
-2.5°	42.0	40.3	38.6	37.7	36.8	35.9	35.1	34.0	32.9	32.0	31.1
-3.75°	41.9	40.2	38.5	37.6	36.7	35.9	35.0	33.9	32.8	31.9	31.0
-5°	41.8	40.1	38.5	37.6	36.7	35.8	35.0	33.9	32.8	31.9	31.0
-6.25°	41.7	39.9	38.4	37.5	36.6	35.8	34.9	33.8	32.7	31.9	30.9
-7.5°	41.5	39.8	38.3	37.4	36.5	35.7	34.8	33.7	32.7	31.8	30.8
-8.75°	41.2	39.5	38.2	37.3	36.5	35.6	34.7	33.6	32.6	31.7	30.7
-10°	41.0	39.3	38.1	37.2	36.3	35.5	34.6	33.5	32.5	31.6	30.6
-11.25°	40.7	39.0	37.9	37.1	36.2	35.4	34.4	33.4	32.4	31.5	30.4
-12.5°	40.4	38.7	37.8	36.9	36.1	35.3	34.3	33.2	32.3	31.4	30.3
-13.75°	40.0	38.5	37.6	36.8	36.0	35.1	34.1	33.0	32.2	31.3	30.1
-15°	39.6	38.3	37.4	36.6	35.8	35.0	33.9	32.9	32.0	31.2	29.9
-16.25°	39.2	38.1	37.2	36.4	35.6	34.7	33.7	32.7	31.9	31.0	29.7
-17.5°	38.8	37.9	37.0	36.2	35.4	34.5	33.5	32.5	31.7	30.7	29.5
-18.75°	38.4	37.6	36.8	36.0	35.2	34.3	33.2	32.4	31.5	30.5	29.3
-20°	38.2	37.4	36.6	35.8	35.0	34.0	33.0	32.2	31.3	30.2	29.0
-21.25°	37.9	37.1	36.3	35.6	34.7	33.7	32.8	32.0	31.1	30.0	28.8



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	37.6	36.8	36.1	35.3	34.4	33.4	32.5	31.7	30.9	29.7	28.5
-23.75°	37.3	36.5	35.8	35.1	34.1	33.1	32.3	31.5	30.5	29.4	28.2
-25°	37.0	36.3	35.5	34.7	33.8	32.8	32.1	31.3	30.2	29.1	27.8
-26.25°	36.7	36.0	35.2	34.4	33.4	32.6	31.8	31.0	29.9	28.7	27.4
-27.5°	36.3	35.6	34.9	34.0	33.1	32.3	31.5	30.6	29.5	28.4	27.0
-28.75°	36.0	35.3	34.5	33.6	32.7	32.0	31.2	30.2	29.1	27.9	26.6
-30°	35.6	34.9	34.1	33.2	32.4	31.7	30.9	29.8	28.7	27.5	26.2
-31.25°	35.3	34.5	33.6	32.8	32.1	31.4	30.4	29.4	28.3	27.0	25.8
-32.5°	34.9	34.0	33.2	32.4	31.7	31.0	30.0	29.0	27.8	26.6	25.3
-33.75°	34.4	33.6	32.8	32.1	31.4	30.5	29.5	28.5	27.3	26.1	24.7
-35°	33.9	33.1	32.4	31.7	31.0	30.0	29.0	28.0	26.8	25.6	24.1
-36.25°	33.4	32.6	32.0	31.3	30.5	29.5	28.6	27.4	26.2	25.0	23.5
-37.5°	32.8	32.2	31.6	30.9	29.9	29.0	28.0	26.8	25.7	24.3	22.9
-38.75°	32.4	31.8	31.2	30.3	29.4	28.5	27.3	26.2	25.0	23.6	22.2
-40°	31.9	31.3	30.6	29.7	28.8	27.8	26.7	25.6	24.3	22.9	21.5
-41.25°	31.5	30.8	30.0	29.1	28.2	27.1	26.1	24.9	23.6	22.2	21.0
-42.5°	31.0	30.1	29.3	28.5	27.5	26.4	25.4	24.1	22.8	21.5	20.4
-43.75°	30.3	29.5	28.7	27.7	26.7	25.8	24.6	23.3	22.0	20.9	19.9
-45°	29.6	28.8	27.9	27.0	26.0	25.0	23.7	22.5	21.3	20.3	19.3
-46.25°	28.9	28.0	27.1	26.2	25.2	24.1	22.9	21.6	20.6	19.7	18.7
-47.5°	28.1	27.2	26.3	25.4	24.3	23.1	22.0	20.9	20.0	19.0	18.0
-48.75°	27.2	26.4	25.5	24.4	23.3	22.2	21.2	20.2	19.3	18.4	17.3
-50°	26.3	25.5	24.5	23.4	22.3	21.3	20.4	19.5	18.7	17.7	16.6
-51.25°	25.4	24.4	23.4	22.4	21.4	20.5	19.7	18.8	17.9	16.9	15.9
-52.5°	24.3	23.3	22.3	21.4	20.6	19.8	18.9	18.1	17.1	16.2	15.2
-53.75°	23.1	22.2	21.3	20.5	19.8	19.0	18.2	17.3	16.3	15.4	14.7
-55°	22.0	21.2	20.4	19.7	18.9	18.2	17.3	16.4	15.5	14.8	14.3
-56.25°	20.9	20.2	19.5	18.8	18.1	17.3	16.4	15.6	14.8	14.4	14.0
-57.5°	20.0	19.3	18.7	17.9	17.1	16.3	15.5	14.8	14.4	14.0	13.6
-58.75°	19.0	18.4	17.7	16.9	16.2	15.4	14.8	14.4	14.0	13.6	13.2
-60°	18.0	17.3	16.6	15.9	15.2	14.7	14.3	14.0	13.6	13.2	12.8
-61.25°	16.9	16.3	15.6	14.9	14.6	14.2	13.9	13.5	13.2	12.8	12.4
-62.5°	15.8	15.2	14.7	14.4	14.1	13.8	13.4	13.1	12.7	12.4	12.0
-63.75°	14.8	14.5	14.2	13.9	13.6	13.3	13.0	12.6	12.3	12.0	11.6
-65°	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.8	11.5	11.2
-66.25°	13.7	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.8
-67.5°	13.2	12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.6	10.3
-68.75°	12.6	12.4	12.1	11.8	11.6	11.3	11.0	10.8	10.5	10.2	9.9
-70°	12.0	11.8	11.5	11.3	11.1	10.8	10.5	10.3	10.0	9.8	9.5
-71.25°	11.4	11.2	11.0	10.8	10.5	10.3	10.0	9.8	9.6	9.3	9.0
-72.5°	10.8	10.6	10.4	10.2	10.0	9.8	9.5	9.3	9.0	8.7	8.5
-73.75°	10.2	10.1	9.9	9.7	9.4	9.2	9.0	8.7	8.5	8.2	8.0
-75°	9.7	9.5	9.2	9.0	8.8	8.6	8.4	8.1	7.9	7.7	7.4
-76.25°	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.8
-77.5°	8.3	8.1	7.9	7.7	7.6	7.3	7.1	6.9	6.6	6.4	6.1



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CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	7.6	7.4	7.2	7.0	6.8	6.6	6.3	6.1	5.9	5.7	5.4
-80°	6.7	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2	5.0	4.8
-81.25°	5.8	5.6	5.5	5.3	5.1	5.0	4.8	4.6	4.5	4.3	4.1
-82.5°	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5
-83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.8
-85°	3.1	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2
-86.25°	2.2	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.6
-87.5°	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3
87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
83.75°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
82.5°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8
81.25°	4.0	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.1
80°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5
78.75°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.9
77.5°	5.9	5.6	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.5	3.2
76.25°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
75°	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.6	4.2	3.9
73.75°	7.7	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.3
72.5°	8.2	7.9	7.6	7.3	6.9	6.5	6.2	5.8	5.4	5.0	4.6
71.25°	8.7	8.4	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0
70°	9.2	8.8	8.5	8.2	7.9	7.5	7.1	6.7	6.2	5.8	5.3
68.75°	9.6	9.3	8.9	8.6	8.3	7.9	7.5	7.1	6.6	6.2	5.7
67.5°	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.5	7.0	6.5	6.0
66.25°	10.4	10.1	9.8	9.4	9.0	8.6	8.3	7.9	7.4	6.9	6.4
65°	10.8	10.5	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.7
63.75°	11.2	10.9	10.5	10.2	9.8	9.4	8.9	8.5	8.1	7.6	7.1
62.5°	11.6	11.3	10.9	10.5	10.1	9.7	9.3	8.8	8.4	7.9	7.4
61.25°	12.0	11.6	11.2	10.8	10.4	10.0	9.6	9.2	8.7	8.2	7.7
60°	12.4	12.0	11.6	11.2	10.8	10.3	9.9	9.5	9.0	8.5	8.0
58.75°	12.8	12.4	12.0	11.5	11.1	10.6	10.2	9.8	9.3	8.7	8.2
57.5°	13.2	12.7	12.3	11.8	11.4	10.9	10.5	10.0	9.6	9.0	8.5
56.25°	13.5	13.1	12.6	12.2	11.7	11.2	10.8	10.3	9.8	9.3	8.7
55°	13.9	13.4	13.0	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.0
53.75°	14.2	13.8	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.8	9.2
52.5°	14.6	14.1	13.6	13.1	12.6	12.1	11.6	11.1	10.5	10.0	9.4
51.25°	14.9	14.4	13.9	13.4	12.9	12.4	11.8	11.3	10.8	10.2	9.7
50°	15.6	14.7	14.2	13.7	13.2	12.7	12.1	11.5	11.0	10.4	9.9
48.75°	16.3	15.2	14.5	14.0	13.5	12.9	12.4	11.8	11.2	10.6	10.1
47.5°	16.9	15.8	14.8	14.3	13.7	13.2	12.6	12.0	11.4	10.8	10.2
46.25°	17.6	16.5	15.3	14.6	14.0	13.4	12.9	12.3	11.6	11.0	10.4
45°	18.2	17.1	15.9	14.8	14.3	13.7	13.1	12.5	11.9	11.2	10.6
43.75°	18.8	17.7	16.5	15.3	14.5	13.9	13.3	12.7	12.1	11.4	10.8
42.5°	19.4	18.3	17.0	15.8	14.7	14.1	13.5	12.9	12.3	11.6	11.0
41.25°	19.9	18.8	17.6	16.3	15.1	14.4	13.8	13.1	12.5	11.8	11.1
40°	20.4	19.3	18.1	16.8	15.6	14.6	14.0	13.3	12.7	12.0	11.3
38.75°	20.9	19.8	18.6	17.3	16.0	14.8	14.2	13.5	12.9	12.2	11.5
37.5°	21.4	20.2	19.1	17.8	16.5	15.1	14.4	13.7	13.0	12.3	11.6
36.25°	22.0	20.7	19.5	18.3	16.9	15.6	14.6	13.9	13.2	12.5	11.8
35°	22.6	21.2	19.9	18.7	17.4	16.0	14.7	14.1	13.4	12.7	11.9



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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°	23.2	21.6	20.4	19.1	17.8	16.4	15.0	14.2	13.5	12.8	12.1
32.5°	23.7	22.2	20.8	19.5	18.2	16.8	15.3	14.4	13.7	13.0	12.2
31.25°	24.3	22.7	21.1	19.9	18.6	17.1	15.7	14.6	13.8	13.1	12.4
30°	24.8	23.2	21.5	20.2	18.9	17.5	16.0	14.7	14.0	13.3	12.5
28.75°	25.3	23.7	22.0	20.6	19.2	17.8	16.3	14.9	14.1	13.4	12.6
27.5°	25.7	24.1	22.4	20.9	19.6	18.2	16.7	15.1	14.3	13.5	12.7
26.25°	26.1	24.6	22.9	21.2	19.9	18.5	17.0	15.4	14.4	13.6	12.9
25°	26.4	25.0	23.3	21.5	20.1	18.8	17.2	15.7	14.5	13.8	13.0
23.75°	26.8	25.4	23.7	21.9	20.4	19.0	17.5	15.9	14.6	13.9	13.1
22.5°	27.1	25.7	24.0	22.3	20.7	19.3	17.8	16.2	14.7	14.0	13.2
21.25°	27.4	26.0	24.4	22.6	20.9	19.5	18.0	16.4	14.9	14.1	13.3
20°	27.7	26.3	24.7	22.9	21.2	19.7	18.3	16.6	15.0	14.2	13.4
18.75°	28.0	26.6	25.0	23.2	21.4	19.9	18.5	16.9	15.2	14.2	13.4
17.5°	28.3	26.8	25.3	23.5	21.6	20.1	18.7	17.1	15.4	14.3	13.5
16.25°	28.5	27.0	25.6	23.7	21.9	20.3	18.8	17.2	15.6	14.4	13.6
15°	28.7	27.2	25.8	24.0	22.1	20.5	19.0	17.4	15.7	14.5	13.7
13.75°	28.9	27.4	25.9	24.2	22.3	20.7	19.2	17.6	15.9	14.5	13.7
12.5°	29.0	27.6	26.1	24.4	22.5	20.8	19.3	17.7	16.0	14.6	13.8
11.25°	29.2	27.8	26.3	24.6	22.7	20.9	19.4	17.8	16.1	14.7	13.8
10°	29.3	27.9	26.4	24.8	22.9	21.1	19.5	18.0	16.2	14.7	13.9
8.75°	29.4	28.1	26.5	24.9	23.0	21.2	19.6	18.1	16.3	14.8	13.9
7.5°	29.5	28.2	26.7	25.0	23.1	21.2	19.7	18.2	16.4	14.8	14.0
6.25°	29.6	28.3	26.7	25.2	23.2	21.3	19.8	18.2	16.5	14.8	14.0
5°	29.7	28.4	26.8	25.2	23.3	21.4	19.8	18.3	16.5	14.9	14.0
3.75°	29.7	28.4	26.9	25.3	23.4	21.4	19.9	18.3	16.6	14.9	14.0
2.5°	29.8	28.5	26.9	25.4	23.4	21.5	19.9	18.4	16.6	14.9	14.0
1.25°	29.8	28.5	26.9	25.4	23.4	21.5	19.9	18.4	16.6	14.9	14.0
0°	29.8	28.5	27.0	25.4	23.5	21.5	20.0	18.4	16.7	14.9	14.1
-1.25°	29.8	28.5	26.9	25.4	23.4	21.5	19.9	18.4	16.6	14.9	14.0
-2.5°	29.8	28.5	26.9	25.4	23.4	21.5	19.9	18.4	16.6	14.9	14.0
-3.75°	29.7	28.4	26.9	25.3	23.4	21.4	19.9	18.3	16.6	14.9	14.0
-5°	29.7	28.4	26.8	25.2	23.3	21.4	19.8	18.3	16.5	14.9	14.0
-6.25°	29.6	28.3	26.7	25.2	23.2	21.3	19.8	18.2	16.5	14.8	14.0
-7.5°	29.5	28.2	26.7	25.0	23.1	21.2	19.7	18.2	16.4	14.8	14.0
-8.75°	29.4	28.1	26.5	24.9	23.0	21.2	19.6	18.1	16.3	14.8	13.9
-10°	29.3	27.9	26.4	24.8	22.9	21.1	19.5	18.0	16.2	14.7	13.9
-11.25°	29.2	27.8	26.3	24.6	22.7	20.9	19.4	17.8	16.1	14.7	13.8
-12.5°	29.0	27.6	26.1	24.4	22.5	20.8	19.3	17.7	16.0	14.6	13.8
-13.75°	28.9	27.4	25.9	24.2	22.3	20.7	19.2	17.6	15.9	14.5	13.7
-15°	28.7	27.2	25.8	24.0	22.1	20.5	19.0	17.4	15.7	14.5	13.7
-16.25°	28.5	27.0	25.6	23.7	21.9	20.3	18.8	17.2	15.6	14.4	13.6
-17.5°	28.3	26.8	25.3	23.5	21.6	20.1	18.7	17.1	15.4	14.3	13.5
-18.75°	28.0	26.6	25.0	23.2	21.4	19.9	18.5	16.9	15.2	14.2	13.4
-20°	27.7	26.3	24.7	22.9	21.2	19.7	18.3	16.6	15.0	14.2	13.4
-21.25°	27.4	26.0	24.4	22.6	20.9	19.5	18.0	16.4	14.9	14.1	13.3



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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°	27.1	25.7	24.0	22.3	20.7	19.3	17.8	16.2	14.7	14.0	13.2
-23.75°	26.8	25.4	23.7	21.9	20.4	19.0	17.5	15.9	14.6	13.9	13.1
-25°	26.4	25.0	23.3	21.5	20.1	18.8	17.2	15.7	14.5	13.8	13.0
-26.25°	26.1	24.6	22.9	21.2	19.9	18.5	17.0	15.4	14.4	13.6	12.9
-27.5°	25.7	24.1	22.4	20.9	19.6	18.2	16.7	15.1	14.3	13.5	12.7
-28.75°	25.3	23.7	22.0	20.6	19.2	17.8	16.3	14.9	14.1	13.4	12.6
-30°	24.8	23.2	21.5	20.2	18.9	17.5	16.0	14.7	14.0	13.3	12.5
-31.25°	24.3	22.7	21.1	19.9	18.6	17.1	15.7	14.6	13.8	13.1	12.4
-32.5°	23.7	22.2	20.8	19.5	18.2	16.8	15.3	14.4	13.7	13.0	12.2
-33.75°	23.2	21.6	20.4	19.1	17.8	16.4	15.0	14.2	13.5	12.8	12.1
-35°	22.6	21.2	19.9	18.7	17.4	16.0	14.7	14.1	13.4	12.7	11.9
-36.25°	22.0	20.7	19.5	18.3	16.9	15.6	14.6	13.9	13.2	12.5	11.8
-37.5°	21.4	20.2	19.1	17.8	16.5	15.1	14.4	13.7	13.0	12.3	11.6
-38.75°	20.9	19.8	18.6	17.3	16.0	14.8	14.2	13.5	12.9	12.2	11.5
-40°	20.4	19.3	18.1	16.8	15.6	14.6	14.0	13.3	12.7	12.0	11.3
-41.25°	19.9	18.8	17.6	16.3	15.1	14.4	13.8	13.1	12.5	11.8	11.1
-42.5°	19.4	18.3	17.0	15.8	14.7	14.1	13.5	12.9	12.3	11.6	11.0
-43.75°	18.8	17.7	16.5	15.3	14.5	13.9	13.3	12.7	12.1	11.4	10.8
-45°	18.2	17.1	15.9	14.8	14.3	13.7	13.1	12.5	11.9	11.2	10.6
-46.25°	17.6	16.5	15.3	14.6	14.0	13.4	12.9	12.3	11.6	11.0	10.4
-47.5°	16.9	15.8	14.8	14.3	13.7	13.2	12.6	12.0	11.4	10.8	10.2
-48.75°	16.3	15.2	14.5	14.0	13.5	12.9	12.4	11.8	11.2	10.6	10.1
-50°	15.6	14.7	14.2	13.7	13.2	12.7	12.1	11.5	11.0	10.4	9.9
-51.25°	14.9	14.4	13.9	13.4	12.9	12.4	11.8	11.3	10.8	10.2	9.7
-52.5°	14.6	14.1	13.6	13.1	12.6	12.1	11.6	11.1	10.5	10.0	9.4
-53.75°	14.2	13.8	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.8	9.2
-55°	13.9	13.4	13.0	12.5	12.0	11.5	11.0	10.5	10.0	9.5	9.0
-56.25°	13.5	13.1	12.6	12.2	11.7	11.2	10.8	10.3	9.8	9.3	8.7
-57.5°	13.2	12.7	12.3	11.8	11.4	10.9	10.5	10.0	9.6	9.0	8.5
-58.75°	12.8	12.4	12.0	11.5	11.1	10.6	10.2	9.8	9.3	8.7	8.2
-60°	12.4	12.0	11.6	11.2	10.8	10.3	9.9	9.5	9.0	8.5	8.0
-61.25°	12.0	11.6	11.2	10.8	10.4	10.0	9.6	9.2	8.7	8.2	7.7
-62.5°	11.6	11.3	10.9	10.5	10.1	9.7	9.3	8.8	8.4	7.9	7.4
-63.75°	11.2	10.9	10.5	10.2	9.8	9.4	8.9	8.5	8.1	7.6	7.1
-65°	10.8	10.5	10.2	9.8	9.4	9.0	8.6	8.2	7.8	7.3	6.7
-66.25°	10.4	10.1	9.8	9.4	9.0	8.6	8.3	7.9	7.4	6.9	6.4
-67.5°	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.5	7.0	6.5	6.0
-68.75°	9.6	9.3	8.9	8.6	8.3	7.9	7.5	7.1	6.6	6.2	5.7
-70°	9.2	8.8	8.5	8.2	7.9	7.5	7.1	6.7	6.2	5.8	5.3
-71.25°	8.7	8.4	8.1	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0
-72.5°	8.2	7.9	7.6	7.3	6.9	6.5	6.2	5.8	5.4	5.0	4.6
-73.75°	7.7	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.3
-75°	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.6	4.2	3.9
-76.25°	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6
-77.5°	5.9	5.6	5.3	5.1	4.8	4.5	4.3	4.0	3.7	3.5	3.2



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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°	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.9
-80°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5
-81.25°	4.0	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.1
-82.5°	3.3	3.2	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8
-83.75°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.5
-85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2
-86.25°	1.6	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-87.5°	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6
-88.75°	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
78.75°	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
77.5°	2.9	2.7	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5
76.25°	3.3	3.0	2.7	2.4	2.1	1.8	1.6	1.3	1.0	0.8	0.5
75°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
73.75°	3.9	3.6	3.2	2.9	2.5	2.1	1.8	1.5	1.2	0.9	0.6
72.5°	4.2	3.9	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
71.25°	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
70°	4.9	4.4	4.0	3.6	3.1	2.7	2.3	1.9	1.5	1.1	0.8
68.75°	5.2	4.7	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
67.5°	5.5	5.0	4.5	4.1	3.6	3.1	2.6	2.1	1.7	1.3	0.8
66.25°	5.9	5.3	4.8	4.3	3.8	3.3	2.7	2.2	1.8	1.3	0.9
65°	6.2	5.6	5.1	4.5	4.0	3.4	2.9	2.3	1.9	1.4	0.9
63.75°	6.5	5.9	5.3	4.7	4.2	3.6	3.0	2.5	1.9	1.5	1.0
62.5°	6.8	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.5	1.0
61.25°	7.1	6.5	5.9	5.2	4.6	4.0	3.3	2.7	2.1	1.6	1.1
60°	7.4	6.8	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.6	1.1
58.75°	7.7	7.0	6.4	5.7	5.0	4.3	3.6	3.0	2.3	1.7	1.1
57.5°	7.9	7.3	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.8	1.2
56.25°	8.1	7.6	6.9	6.1	5.4	4.6	3.9	3.2	2.5	1.8	1.2
55°	8.4	7.8	7.1	6.3	5.6	4.8	4.1	3.3	2.6	1.9	1.3
53.75°	8.6	8.0	7.3	6.6	5.8	5.0	4.2	3.4	2.7	2.0	1.3
52.5°	8.8	8.2	7.6	6.8	6.0	5.1	4.3	3.6	2.8	2.0	1.3
51.25°	9.0	8.4	7.7	7.0	6.1	5.3	4.5	3.7	2.9	2.1	1.4
50°	9.2	8.6	7.9	7.2	6.3	5.5	4.6	3.8	2.9	2.1	1.4
48.75°	9.5	8.8	8.1	7.4	6.5	5.6	4.7	3.9	3.0	2.2	1.5
47.5°	9.7	9.0	8.3	7.6	6.7	5.8	4.9	4.0	3.1	2.2	1.5
46.25°	9.8	9.1	8.4	7.7	6.8	5.9	5.0	4.1	3.2	2.3	1.5
45°	10.0	9.3	8.6	7.9	7.0	6.1	5.1	4.2	3.3	2.4	1.6
43.75°	10.2	9.5	8.8	8.0	7.2	6.2	5.2	4.3	3.4	2.4	1.6
42.5°	10.3	9.7	8.9	8.1	7.3	6.4	5.4	4.4	3.4	2.5	1.6
41.25°	10.5	9.8	9.1	8.3	7.5	6.5	5.5	4.5	3.5	2.5	1.7
40°	10.6	10.0	9.2	8.4	7.6	6.6	5.6	4.6	3.6	2.6	1.7
38.75°	10.8	10.1	9.4	8.6	7.7	6.8	5.7	4.7	3.7	2.6	1.7
37.5°	10.9	10.2	9.5	8.7	7.9	6.9	5.8	4.8	3.7	2.7	1.7
36.25°	11.1	10.4	9.6	8.8	8.0	7.0	5.9	4.8	3.8	2.7	1.8
35°	11.2	10.5	9.8	8.9	8.1	7.1	6.0	4.9	3.9	2.8	1.8



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	11.3	10.6	9.9	9.0	8.2	7.2	6.1	5.0	3.9	2.8	1.8
32.5°	11.5	10.7	10.0	9.2	8.3	7.4	6.2	5.1	4.0	2.9	1.9
31.25°	11.6	10.8	10.1	9.3	8.4	7.5	6.3	5.2	4.0	2.9	1.9
30°	11.7	11.0	10.2	9.4	8.5	7.6	6.4	5.2	4.1	3.0	1.9
28.75°	11.8	11.1	10.3	9.5	8.6	7.6	6.5	5.3	4.2	3.0	1.9
27.5°	12.0	11.2	10.4	9.6	8.6	7.7	6.6	5.4	4.2	3.1	2.0
26.25°	12.1	11.3	10.5	9.7	8.7	7.8	6.7	5.5	4.3	3.1	2.0
25°	12.2	11.4	10.5	9.7	8.8	7.9	6.7	5.5	4.3	3.1	2.0
23.75°	12.3	11.4	10.6	9.8	8.9	7.9	6.8	5.6	4.4	3.2	2.0
22.5°	12.4	11.5	10.7	9.9	9.0	8.0	6.9	5.6	4.4	3.2	2.0
21.25°	12.5	11.6	10.8	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.1
20°	12.5	11.7	10.8	10.0	9.1	8.1	7.0	5.7	4.5	3.3	2.1
18.75°	12.6	11.8	10.9	10.1	9.1	8.2	7.1	5.8	4.5	3.3	2.1
17.5°	12.7	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.1
16.25°	12.8	11.9	11.0	10.2	9.3	8.3	7.2	5.9	4.6	3.3	2.1
15°	12.8	12.0	11.1	10.2	9.3	8.3	7.2	5.9	4.6	3.4	2.1
13.75°	12.9	12.0	11.1	10.3	9.4	8.3	7.3	6.0	4.7	3.4	2.1
12.5°	12.9	12.1	11.2	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.1
11.25°	13.0	12.1	11.2	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.2
10°	13.0	12.1	11.3	10.4	9.5	8.4	7.4	6.0	4.7	3.4	2.2
8.75°	13.1	12.2	11.3	10.4	9.5	8.5	7.4	6.1	4.7	3.5	2.2
7.5°	13.1	12.2	11.3	10.4	9.5	8.5	7.4	6.1	4.8	3.5	2.2
6.25°	13.1	12.2	11.3	10.5	9.5	8.5	7.5	6.1	4.8	3.5	2.2
5°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
3.75°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
2.5°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
1.25°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
0°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
-1.25°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
-2.5°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
-3.75°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
-5°	13.2	12.3	11.4	10.5	9.6	8.5	7.5	6.1	4.8	3.5	2.2
-6.25°	13.1	12.2	11.3	10.5	9.5	8.5	7.5	6.1	4.8	3.5	2.2
-7.5°	13.1	12.2	11.3	10.4	9.5	8.5	7.4	6.1	4.8	3.5	2.2
-8.75°	13.1	12.2	11.3	10.4	9.5	8.5	7.4	6.1	4.7	3.5	2.2
-10°	13.0	12.1	11.3	10.4	9.5	8.4	7.4	6.0	4.7	3.4	2.2
-11.25°	13.0	12.1	11.2	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.2
-12.5°	12.9	12.1	11.2	10.3	9.4	8.4	7.3	6.0	4.7	3.4	2.1
-13.75°	12.9	12.0	11.1	10.3	9.4	8.3	7.3	6.0	4.7	3.4	2.1
-15°	12.8	12.0	11.1	10.2	9.3	8.3	7.2	5.9	4.6	3.4	2.1
-16.25°	12.8	11.9	11.0	10.2	9.3	8.3	7.2	5.9	4.6	3.3	2.1
-17.5°	12.7	11.8	11.0	10.1	9.2	8.2	7.1	5.8	4.6	3.3	2.1
-18.75°	12.6	11.8	10.9	10.1	9.1	8.2	7.1	5.8	4.5	3.3	2.1
-20°	12.5	11.7	10.8	10.0	9.1	8.1	7.0	5.7	4.5	3.3	2.1
-21.25°	12.5	11.6	10.8	9.9	9.0	8.0	6.9	5.7	4.4	3.2	2.1



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 CATALOG NUMBER: 1003-[A1, 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°	12.4	11.5	10.7	9.9	9.0	8.0	6.9	5.6	4.4	3.2	2.0
-23.75°	12.3	11.4	10.6	9.8	8.9	7.9	6.8	5.6	4.4	3.2	2.0
-25°	12.2	11.4	10.5	9.7	8.8	7.9	6.7	5.5	4.3	3.1	2.0
-26.25°	12.1	11.3	10.5	9.7	8.7	7.8	6.7	5.5	4.3	3.1	2.0
-27.5°	12.0	11.2	10.4	9.6	8.6	7.7	6.6	5.4	4.2	3.1	2.0
-28.75°	11.8	11.1	10.3	9.5	8.6	7.6	6.5	5.3	4.2	3.0	1.9
-30°	11.7	11.0	10.2	9.4	8.5	7.6	6.4	5.2	4.1	3.0	1.9
-31.25°	11.6	10.8	10.1	9.3	8.4	7.5	6.3	5.2	4.0	2.9	1.9
-32.5°	11.5	10.7	10.0	9.2	8.3	7.4	6.2	5.1	4.0	2.9	1.9
-33.75°	11.3	10.6	9.9	9.0	8.2	7.2	6.1	5.0	3.9	2.8	1.8
-35°	11.2	10.5	9.8	8.9	8.1	7.1	6.0	4.9	3.9	2.8	1.8
-36.25°	11.1	10.4	9.6	8.8	8.0	7.0	5.9	4.8	3.8	2.7	1.8
-37.5°	10.9	10.2	9.5	8.7	7.9	6.9	5.8	4.8	3.7	2.7	1.7
-38.75°	10.8	10.1	9.4	8.6	7.7	6.8	5.7	4.7	3.7	2.6	1.7
-40°	10.6	10.0	9.2	8.4	7.6	6.6	5.6	4.6	3.6	2.6	1.7
-41.25°	10.5	9.8	9.1	8.3	7.5	6.5	5.5	4.5	3.5	2.5	1.7
-42.5°	10.3	9.7	8.9	8.1	7.3	6.4	5.4	4.4	3.4	2.5	1.6
-43.75°	10.2	9.5	8.8	8.0	7.2	6.2	5.2	4.3	3.4	2.4	1.6
-45°	10.0	9.3	8.6	7.9	7.0	6.1	5.1	4.2	3.3	2.4	1.6
-46.25°	9.8	9.1	8.4	7.7	6.8	5.9	5.0	4.1	3.2	2.3	1.5
-47.5°	9.7	9.0	8.3	7.6	6.7	5.8	4.9	4.0	3.1	2.2	1.5
-48.75°	9.5	8.8	8.1	7.4	6.5	5.6	4.7	3.9	3.0	2.2	1.5
-50°	9.2	8.6	7.9	7.2	6.3	5.5	4.6	3.8	2.9	2.1	1.4
-51.25°	9.0	8.4	7.7	7.0	6.1	5.3	4.5	3.7	2.9	2.1	1.4
-52.5°	8.8	8.2	7.6	6.8	6.0	5.1	4.3	3.6	2.8	2.0	1.3
-53.75°	8.6	8.0	7.3	6.6	5.8	5.0	4.2	3.4	2.7	2.0	1.3
-55°	8.4	7.8	7.1	6.3	5.6	4.8	4.1	3.3	2.6	1.9	1.3
-56.25°	8.1	7.6	6.9	6.1	5.4	4.6	3.9	3.2	2.5	1.8	1.2
-57.5°	7.9	7.3	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.8	1.2
-58.75°	7.7	7.0	6.4	5.7	5.0	4.3	3.6	3.0	2.3	1.7	1.1
-60°	7.4	6.8	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.6	1.1
-61.25°	7.1	6.5	5.9	5.2	4.6	4.0	3.3	2.7	2.1	1.6	1.1
-62.5°	6.8	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.5	1.0
-63.75°	6.5	5.9	5.3	4.7	4.2	3.6	3.0	2.5	1.9	1.5	1.0
-65°	6.2	5.6	5.1	4.5	4.0	3.4	2.9	2.3	1.9	1.4	0.9
-66.25°	5.9	5.3	4.8	4.3	3.8	3.3	2.7	2.2	1.8	1.3	0.9
-67.5°	5.5	5.0	4.5	4.1	3.6	3.1	2.6	2.1	1.7	1.3	0.8
-68.75°	5.2	4.7	4.3	3.8	3.4	2.9	2.4	2.0	1.6	1.2	0.8
-70°	4.9	4.4	4.0	3.6	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-71.25°	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
-72.5°	4.2	3.9	3.5	3.1	2.7	2.3	2.0	1.7	1.3	1.0	0.7
-73.75°	3.9	3.6	3.2	2.9	2.5	2.1	1.8	1.5	1.2	0.9	0.6
-75°	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-76.25°	3.3	3.0	2.7	2.4	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-77.5°	2.9	2.7	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-80°	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
-81.25°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-82.5°	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
-83.75°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-85°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
-87.5°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-88.75°	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1003-[A1, 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°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.2	0.0
77.5°	0.2	0.0
76.25°	0.3	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.3	0.0
71.25°	0.4	0.0
70°	0.4	0.0
68.75°	0.4	0.0
67.5°	0.4	0.0
66.25°	0.4	0.0
65°	0.5	0.0
63.75°	0.5	0.0
62.5°	0.5	0.0
61.25°	0.5	0.0
60°	0.5	0.0
58.75°	0.6	0.0
57.5°	0.6	0.0
56.25°	0.6	0.0
55°	0.6	0.0
53.75°	0.7	0.0
52.5°	0.7	0.0
51.25°	0.7	0.0
50°	0.7	0.0
48.75°	0.7	0.0
47.5°	0.7	0.0
46.25°	0.8	0.0
45°	0.8	0.0
43.75°	0.8	0.0
42.5°	0.8	0.0
41.25°	0.8	0.0
40°	0.8	0.0
38.75°	0.9	0.0
37.5°	0.9	0.0
36.25°	0.9	0.0
35°	0.9	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.9	0.0
32.5°	0.9	0.0
31.25°	0.9	0.0
30°	1.0	0.0
28.75°	1.0	0.0
27.5°	1.0	0.0
26.25°	1.0	0.0
25°	1.0	0.0
23.75°	1.0	0.0
22.5°	1.0	0.0
21.25°	1.0	0.0
20°	1.0	0.0
18.75°	1.0	0.0
17.5°	1.0	0.0
16.25°	1.1	0.0
15°	1.1	0.0
13.75°	1.1	0.0
12.5°	1.1	0.0
11.25°	1.1	0.0
10°	1.1	0.0
8.75°	1.1	0.0
7.5°	1.1	0.0
6.25°	1.1	0.0
5°	1.1	0.0
3.75°	1.1	0.0
2.5°	1.1	0.0
1.25°	1.1	0.0
0°	1.1	0.0
-1.25°	1.1	0.0
-2.5°	1.1	0.0
-3.75°	1.1	0.0
-5°	1.1	0.0
-6.25°	1.1	0.0
-7.5°	1.1	0.0
-8.75°	1.1	0.0
-10°	1.1	0.0
-11.25°	1.1	0.0
-12.5°	1.1	0.0
-13.75°	1.1	0.0
-15°	1.1	0.0
-16.25°	1.1	0.0
-17.5°	1.0	0.0
-18.75°	1.0	0.0
-20°	1.0	0.0
-21.25°	1.0	0.0



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.0	0.0
-23.75°	1.0	0.0
-25°	1.0	0.0
-26.25°	1.0	0.0
-27.5°	1.0	0.0
-28.75°	1.0	0.0
-30°	1.0	0.0
-31.25°	0.9	0.0
-32.5°	0.9	0.0
-33.75°	0.9	0.0
-35°	0.9	0.0
-36.25°	0.9	0.0
-37.5°	0.9	0.0
-38.75°	0.9	0.0
-40°	0.8	0.0
-41.25°	0.8	0.0
-42.5°	0.8	0.0
-43.75°	0.8	0.0
-45°	0.8	0.0
-46.25°	0.8	0.0
-47.5°	0.7	0.0
-48.75°	0.7	0.0
-50°	0.7	0.0
-51.25°	0.7	0.0
-52.5°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.6	0.0
-56.25°	0.6	0.0
-57.5°	0.6	0.0
-58.75°	0.6	0.0
-60°	0.5	0.0
-61.25°	0.5	0.0
-62.5°	0.5	0.0
-63.75°	0.5	0.0
-65°	0.5	0.0
-66.25°	0.4	0.0
-67.5°	0.4	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.4	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.2	0.0



REPORT NUMBER: P220486 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)