

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: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

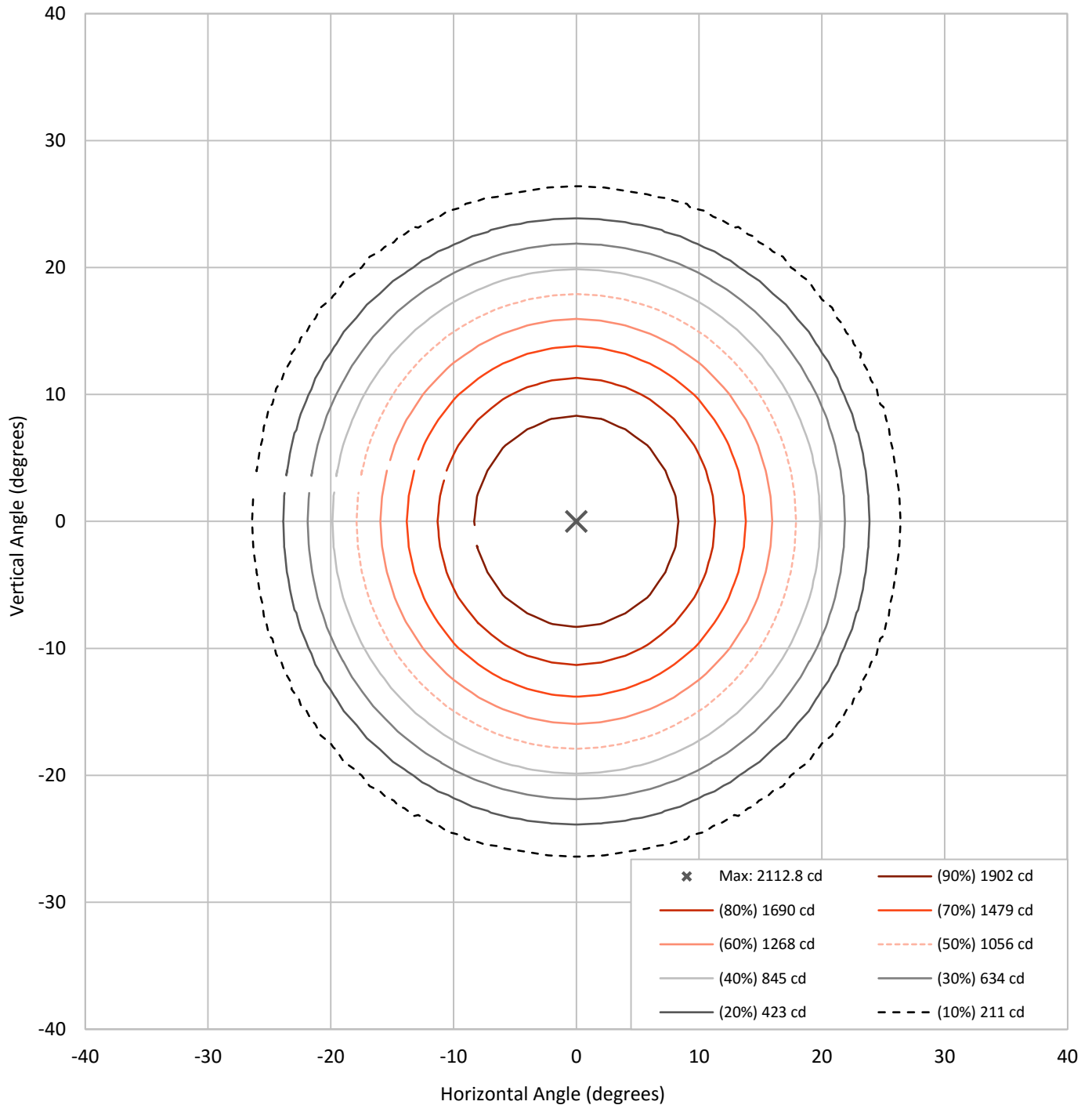
Test Method: LM-79-08
Report Number: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	822.5 lumens	Max Intensity:	2112.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	83.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	483.6 lumens	Field Lumens:	687 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





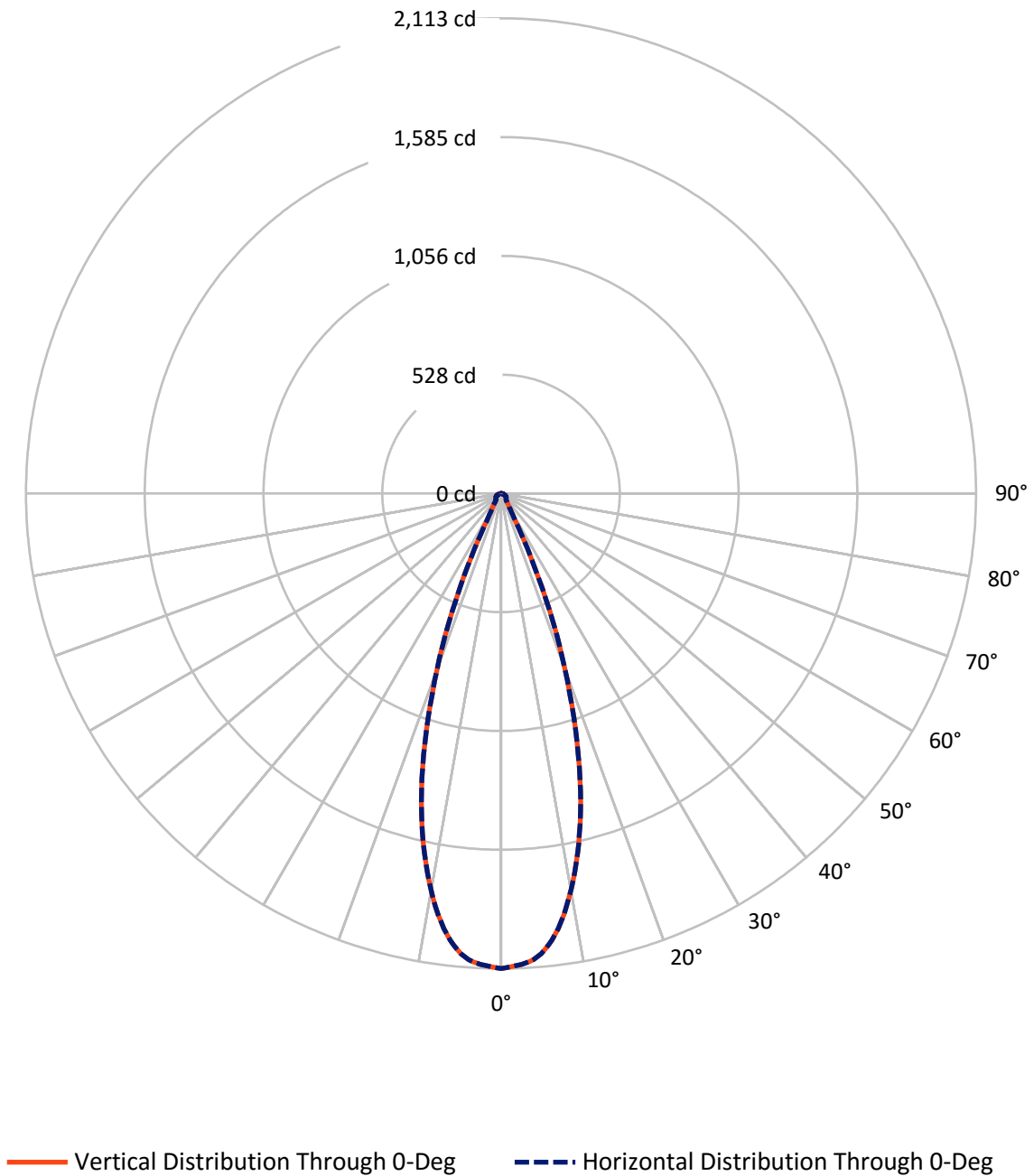
REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.0	0.2	0.4	0.7	0.7	0.7	0.4	0.2	0.0										
80	0.0	0.2	0.4	0.7	0.7	0.7	0.4	0.2	0.0										
70	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.1	0.1			
40		0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2				
30	0.2	0.2	0.4	0.6	0.8	1.4	4.1	9.7	9.7	4.1	1.4	0.8	0.6	0.4	0.2	0.2			
20		0.2	0.5	0.7	1.0	3.9	20.7	37.6	37.6	20.7	3.9	1.0	0.7	0.5	0.2				
10	0.2	0.2	0.5	0.7	1.2	8.9	36.6	57.8	57.8	36.6	8.9	1.2	0.7	0.5	0.2	0.2			
0		0.2	0.5	0.7	1.2	8.9	36.6	57.8	57.8	36.6	8.9	1.2	0.7	0.5	0.2				
-10	0.2	0.2	0.5	0.7	1.2	8.9	36.6	57.8	57.8	36.6	8.9	1.2	0.7	0.5	0.2	0.2			
-20		0.2	0.4	0.6	0.8	1.4	4.1	9.7	9.7	4.1	1.4	0.8	0.6	0.4	0.2				
-30	0.1	0.2	0.4	0.6	0.8	0.9	1.2	1.5	1.5	1.2	0.9	0.8	0.6	0.4	0.2	0.1			
-40		0.1	0.3	0.5	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.5	0.3	0.1				
-50	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1				
-70	0.0	0.2	0.4	0.7	0.7	0.7	0.4	0.2	0.0							0.0			
-80		0.2	0.4	0.7	0.7	0.7	0.4	0.2	0.0										
-90	0.0	0.2	0.4	0.7	0.7	0.7	0.4	0.2	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

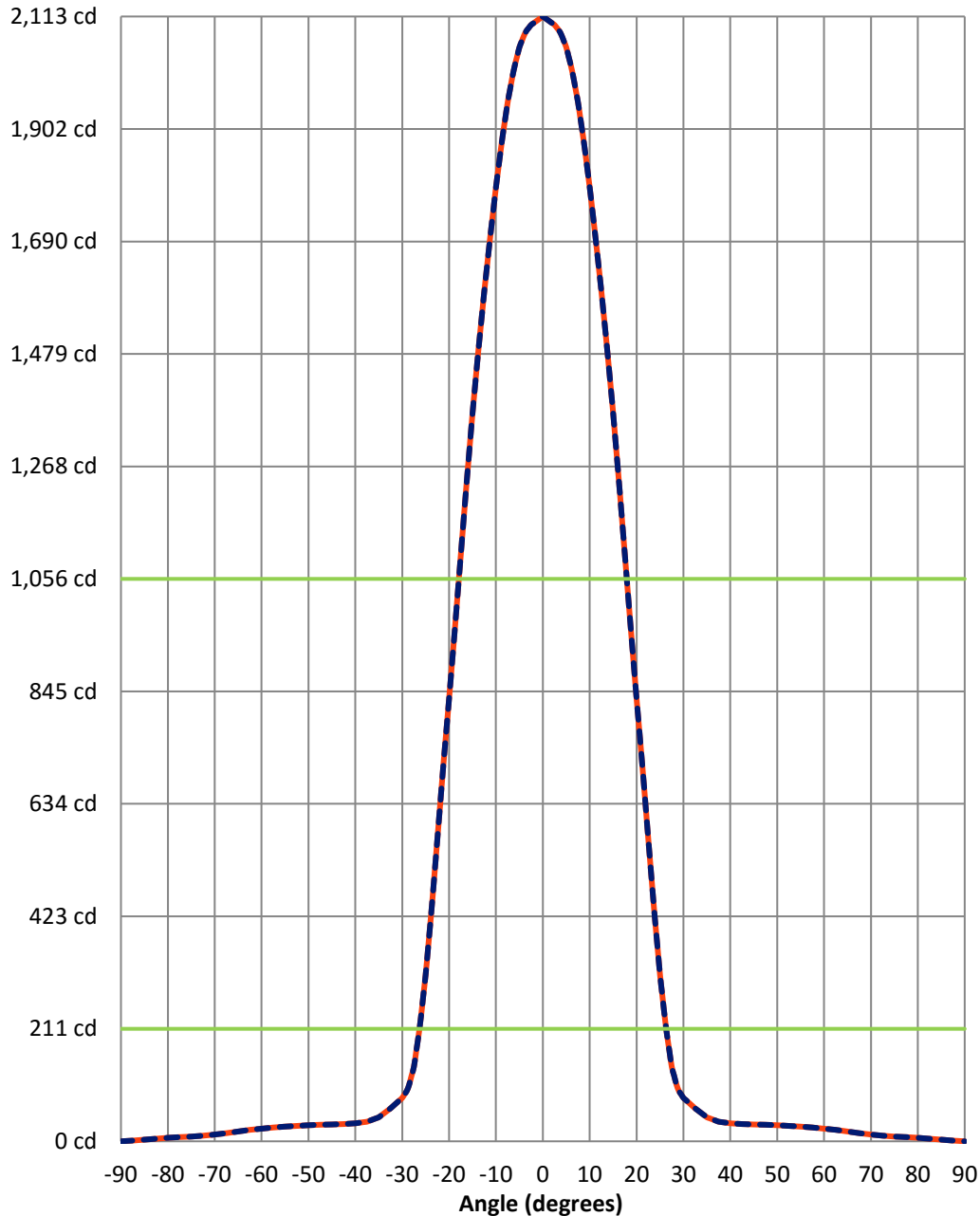
REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.8°
 V Angle: 35.8°
 Lumens: 483.6
 Efficiency: 58.8%

Field:
 H Angle: 52.6°
 V Angle: 52.6°
 Lumens: 687
 Efficiency: 83.5%

Spill:
 Lumens: 135.5
 Efficiency: 16.5%

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



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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	0.5	1.1	1.7	2.5	3.2	3.9	4.6	5.4	6.1	6.8
32.5°	0.0	0.5	1.1	1.8	2.5	3.3	4.0	4.7	5.5	6.2	6.9
31.25°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.8	5.5	6.3	6.9
30°	0.0	0.6	1.1	1.8	2.6	3.4	4.1	4.9	5.6	6.4	7.0
28.75°	0.0	0.6	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.5	7.1
27.5°	0.0	0.6	1.2	1.9	2.7	3.5	4.2	5.0	5.8	6.6	7.2
26.25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.0	5.9	6.6	7.2
25°	0.0	0.6	1.2	1.9	2.8	3.6	4.3	5.1	5.9	6.7	7.3
23.75°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.3
22.5°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.8	7.4
21.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.5
20°	0.0	0.6	1.2	2.0	2.9	3.7	4.5	5.3	6.2	6.9	7.5
18.75°	0.0	0.6	1.2	2.1	2.9	3.7	4.5	5.4	6.2	6.9	7.5
17.5°	0.0	0.6	1.2	2.1	2.9	3.8	4.6	5.4	6.3	7.0	7.6
16.25°	0.0	0.6	1.2	2.1	3.0	3.8	4.6	5.4	6.3	7.0	7.6
15°	0.0	0.6	1.3	2.1	3.0	3.8	4.6	5.5	6.4	7.0	7.7
13.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.7
12.5°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.7
11.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.7	5.6	6.5	7.1	7.8
10°	0.0	0.6	1.3	2.2	3.0	3.9	4.7	5.6	6.5	7.2	7.8
8.75°	0.0	0.6	1.3	2.2	3.1	3.9	4.7	5.6	6.5	7.2	7.8
7.5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.6	6.5	7.2	7.8
6.25°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
3.75°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
2.5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
1.25°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
0°	0.0	0.6	1.3	2.2	3.1	4.0	4.8	5.7	6.6	7.3	7.9
-1.25°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
-2.5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
-3.75°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
-5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
-6.25°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.7	6.6	7.2	7.9
-7.5°	0.0	0.6	1.3	2.2	3.1	3.9	4.8	5.6	6.5	7.2	7.8
-8.75°	0.0	0.6	1.3	2.2	3.1	3.9	4.7	5.6	6.5	7.2	7.8
-10°	0.0	0.6	1.3	2.2	3.0	3.9	4.7	5.6	6.5	7.2	7.8
-11.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.7	5.6	6.5	7.1	7.8
-12.5°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.7
-13.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.5	6.4	7.1	7.7
-15°	0.0	0.6	1.3	2.1	3.0	3.8	4.6	5.5	6.4	7.0	7.7
-16.25°	0.0	0.6	1.2	2.1	3.0	3.8	4.6	5.4	6.3	7.0	7.6
-17.5°	0.0	0.6	1.2	2.1	2.9	3.8	4.6	5.4	6.3	7.0	7.6
-18.75°	0.0	0.6	1.2	2.1	2.9	3.7	4.5	5.4	6.2	6.9	7.5
-20°	0.0	0.6	1.2	2.0	2.9	3.7	4.5	5.3	6.2	6.9	7.5
-21.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.5



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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	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.8	7.4
-23.75°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.3
-25°	0.0	0.6	1.2	1.9	2.8	3.6	4.3	5.1	5.9	6.7	7.3
-26.25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.0	5.9	6.6	7.2
-27.5°	0.0	0.6	1.2	1.9	2.7	3.5	4.2	5.0	5.8	6.6	7.2
-28.75°	0.0	0.6	1.1	1.9	2.7	3.4	4.2	4.9	5.7	6.5	7.1
-30°	0.0	0.6	1.1	1.8	2.6	3.4	4.1	4.9	5.6	6.4	7.0
-31.25°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.8	5.5	6.3	6.9
-32.5°	0.0	0.5	1.1	1.8	2.5	3.3	4.0	4.7	5.5	6.2	6.9
-33.75°	0.0	0.5	1.1	1.7	2.5	3.2	3.9	4.6	5.4	6.1	6.8
-35°	0.0	0.5	1.1	1.7	2.4	3.2	3.9	4.6	5.3	6.0	6.7
-36.25°	0.0	0.5	1.0	1.7	2.4	3.1	3.8	4.5	5.2	5.9	6.6
-37.5°	0.0	0.5	1.0	1.6	2.4	3.1	3.7	4.4	5.1	5.8	6.5
-38.75°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.3	5.0	5.7	6.4
-40°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.3	4.9	5.6	6.3
-41.25°	0.0	0.5	1.0	1.5	2.2	2.9	3.5	4.2	4.8	5.5	6.1
-42.5°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.1	4.7	5.4	6.0
-43.75°	0.0	0.5	0.9	1.4	2.1	2.7	3.4	4.0	4.6	5.2	5.9
-45°	0.0	0.5	0.9	1.4	2.0	2.7	3.3	3.9	4.5	5.1	5.7
-46.25°	0.0	0.4	0.9	1.4	2.0	2.6	3.2	3.8	4.4	5.0	5.6
-47.5°	0.0	0.4	0.9	1.3	1.9	2.5	3.1	3.7	4.3	4.9	5.5
-48.75°	0.0	0.4	0.9	1.3	1.9	2.5	3.1	3.6	4.2	4.7	5.3
-50°	0.0	0.4	0.8	1.3	1.8	2.4	3.0	3.5	4.1	4.6	5.2
-51.25°	0.0	0.4	0.8	1.2	1.8	2.3	2.9	3.4	3.9	4.5	5.0
-52.5°	0.0	0.4	0.8	1.2	1.7	2.2	2.8	3.3	3.8	4.3	4.9
-53.75°	0.0	0.4	0.8	1.2	1.6	2.2	2.7	3.2	3.7	4.2	4.7
-55°	0.0	0.4	0.7	1.1	1.6	2.1	2.6	3.1	3.6	4.1	4.5
-56.25°	0.0	0.4	0.7	1.1	1.5	2.0	2.5	3.0	3.5	3.9	4.4
-57.5°	0.0	0.3	0.7	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2
-58.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.3	2.8	3.2	3.6	4.1
-60°	0.0	0.3	0.6	1.0	1.3	1.7	2.2	2.6	3.1	3.5	3.9
-61.25°	0.0	0.3	0.6	0.9	1.2	1.7	2.1	2.5	2.9	3.4	3.8
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	2.0	2.4	2.8	3.2	3.6
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	1.9	2.3	2.7	3.1	3.4
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.8	2.2	2.5	2.9	3.3
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.7	2.0	2.4	2.7	3.1
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.6	1.9	2.2	2.6	2.9
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.5	1.8	2.1	2.4	2.7
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	2.0	2.3	2.6
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.1	2.4
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.2
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.0
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.8	1.9
81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.3
80°	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7
78.75°	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.9	3.1
77.5°	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.4
76.25°	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8
75°	2.0	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2
73.75°	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.5
72.5°	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.7	4.9
71.25°	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.5	4.8	5.0	5.3
70°	2.9	3.2	3.4	3.7	4.0	4.3	4.5	4.8	5.1	5.4	5.7
68.75°	3.1	3.4	3.7	4.0	4.2	4.5	4.8	5.1	5.4	5.7	6.0
67.5°	3.2	3.6	3.9	4.2	4.5	4.8	5.1	5.5	5.8	6.1	6.4
66.25°	3.4	3.8	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.5	6.7
65°	3.6	4.0	4.3	4.7	5.0	5.4	5.7	6.1	6.5	6.8	7.0
63.75°	3.8	4.2	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3
62.5°	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.5
61.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.2	7.5	7.8
60°	4.3	4.8	5.2	5.6	6.1	6.5	6.8	7.1	7.4	7.7	8.0
58.75°	4.5	5.0	5.4	5.9	6.3	6.7	7.0	7.4	7.7	8.0	8.2
57.5°	4.7	5.2	5.6	6.1	6.6	6.9	7.2	7.6	7.9	8.1	8.3
56.25°	4.9	5.4	5.8	6.3	6.7	7.1	7.4	7.8	8.1	8.3	8.5
55°	5.0	5.5	6.1	6.6	6.9	7.3	7.6	8.0	8.2	8.5	8.7
53.75°	5.2	5.7	6.3	6.7	7.1	7.5	7.8	8.1	8.4	8.6	8.9
52.5°	5.4	5.9	6.5	6.9	7.3	7.6	8.0	8.2	8.5	8.8	9.2
51.25°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.7	9.0	9.5
50°	5.7	6.3	6.8	7.2	7.6	8.0	8.2	8.5	8.8	9.3	9.8
48.75°	5.9	6.5	6.9	7.3	7.8	8.1	8.4	8.7	9.1	9.6	10.1
47.5°	6.1	6.6	7.1	7.5	7.9	8.2	8.5	8.8	9.3	9.9	10.4
46.25°	6.2	6.8	7.2	7.6	8.0	8.3	8.6	9.0	9.6	10.2	10.8
45°	6.4	6.9	7.3	7.8	8.1	8.4	8.7	9.3	9.9	10.4	11.1
43.75°	6.5	7.0	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7	11.5
42.5°	6.6	7.1	7.6	8.0	8.3	8.7	9.1	9.7	10.3	11.1	11.8
41.25°	6.8	7.2	7.7	8.1	8.4	8.8	9.4	10.0	10.6	11.4	12.2
40°	6.9	7.3	7.8	8.2	8.5	8.9	9.6	10.2	10.9	11.7	12.5
38.75°	7.0	7.5	7.9	8.3	8.6	9.1	9.8	10.4	11.2	12.0	12.9
37.5°	7.1	7.6	8.0	8.4	8.7	9.3	10.0	10.7	11.5	12.3	13.3
36.25°	7.1	7.7	8.1	8.5	8.8	9.5	10.2	10.9	11.8	12.6	13.6
35°	7.2	7.8	8.2	8.5	9.0	9.7	10.3	11.2	12.1	13.0	14.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	7.3	7.9	8.2	8.6	9.1	9.8	10.5	11.4	12.3	13.3	14.3
32.5°	7.4	7.9	8.3	8.7	9.3	10.0	10.8	11.7	12.6	13.6	14.7
31.25°	7.5	8.0	8.4	8.8	9.4	10.2	11.0	11.9	12.8	13.9	15.0
30°	7.6	8.1	8.4	8.9	9.6	10.3	11.2	12.1	13.1	14.2	15.3
28.75°	7.7	8.1	8.5	9.0	9.7	10.5	11.4	12.4	13.4	14.5	15.7
27.5°	7.7	8.2	8.6	9.1	9.9	10.6	11.6	12.6	13.7	14.8	16.0
26.25°	7.8	8.2	8.6	9.2	10.0	10.8	11.8	12.8	13.9	15.1	16.4
25°	7.9	8.3	8.7	9.4	10.1	11.0	12.0	13.0	14.2	15.3	16.7
23.75°	7.9	8.3	8.7	9.5	10.2	11.2	12.1	13.2	14.4	15.6	17.0
22.5°	8.0	8.4	8.8	9.6	10.3	11.3	12.3	13.4	14.6	15.9	17.3
21.25°	8.0	8.4	8.9	9.7	10.5	11.5	12.5	13.6	14.8	16.2	17.6
20°	8.0	8.5	9.0	9.8	10.6	11.6	12.6	13.8	15.0	16.4	17.9
18.75°	8.1	8.5	9.0	9.8	10.7	11.7	12.8	14.0	15.2	16.7	18.1
17.5°	8.1	8.5	9.1	9.9	10.8	11.9	12.9	14.2	15.4	16.9	18.3
16.25°	8.1	8.6	9.2	10.0	10.9	12.0	13.1	14.3	15.6	17.1	18.6
15°	8.2	8.6	9.3	10.1	11.0	12.1	13.2	14.5	15.8	17.3	18.8
13.75°	8.2	8.6	9.3	10.1	11.1	12.2	13.3	14.6	16.0	17.5	18.9
12.5°	8.2	8.7	9.4	10.2	11.2	12.3	13.5	14.7	16.1	17.6	19.1
11.25°	8.3	8.7	9.4	10.3	11.3	12.3	13.6	14.8	16.3	17.8	19.3
10°	8.3	8.7	9.5	10.3	11.3	12.4	13.6	14.9	16.4	17.9	19.4
8.75°	8.3	8.7	9.5	10.4	11.4	12.5	13.7	15.0	16.5	18.0	19.5
7.5°	8.3	8.8	9.6	10.4	11.5	12.5	13.8	15.1	16.6	18.1	19.7
6.25°	8.3	8.8	9.6	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
5°	8.3	8.8	9.6	10.5	11.5	12.6	13.9	15.2	16.7	18.3	19.8
3.75°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.2	16.8	18.3	19.9
2.5°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.3	16.8	18.4	19.9
1.25°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.3	16.8	18.4	19.9
0°	8.4	8.8	9.7	10.5	11.6	12.7	14.0	15.3	16.9	18.4	20.0
-1.25°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.3	16.8	18.4	19.9
-2.5°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.3	16.8	18.4	19.9
-3.75°	8.3	8.8	9.6	10.5	11.6	12.7	14.0	15.2	16.8	18.3	19.9
-5°	8.3	8.8	9.6	10.5	11.5	12.6	13.9	15.2	16.7	18.3	19.8
-6.25°	8.3	8.8	9.6	10.4	11.5	12.6	13.9	15.2	16.7	18.2	19.7
-7.5°	8.3	8.8	9.6	10.4	11.5	12.5	13.8	15.1	16.6	18.1	19.7
-8.75°	8.3	8.7	9.5	10.4	11.4	12.5	13.7	15.0	16.5	18.0	19.5
-10°	8.3	8.7	9.5	10.3	11.3	12.4	13.6	14.9	16.4	17.9	19.4
-11.25°	8.3	8.7	9.4	10.3	11.3	12.3	13.6	14.8	16.3	17.8	19.3
-12.5°	8.2	8.7	9.4	10.2	11.2	12.3	13.5	14.7	16.1	17.6	19.1
-13.75°	8.2	8.6	9.3	10.1	11.1	12.2	13.3	14.6	16.0	17.5	18.9
-15°	8.2	8.6	9.3	10.1	11.0	12.1	13.2	14.5	15.8	17.3	18.8
-16.25°	8.1	8.6	9.2	10.0	10.9	12.0	13.1	14.3	15.6	17.1	18.6
-17.5°	8.1	8.5	9.1	9.9	10.8	11.9	12.9	14.2	15.4	16.9	18.3
-18.75°	8.1	8.5	9.0	9.8	10.7	11.7	12.8	14.0	15.2	16.7	18.1
-20°	8.0	8.5	9.0	9.8	10.6	11.6	12.6	13.8	15.0	16.4	17.9
-21.25°	8.0	8.4	8.9	9.7	10.5	11.5	12.5	13.6	14.8	16.2	17.6



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	8.0	8.4	8.8	9.6	10.3	11.3	12.3	13.4	14.6	15.9	17.3
-23.75°	7.9	8.3	8.7	9.5	10.2	11.2	12.1	13.2	14.4	15.6	17.0
-25°	7.9	8.3	8.7	9.4	10.1	11.0	12.0	13.0	14.2	15.3	16.7
-26.25°	7.8	8.2	8.6	9.2	10.0	10.8	11.8	12.8	13.9	15.1	16.4
-27.5°	7.7	8.2	8.6	9.1	9.9	10.6	11.6	12.6	13.7	14.8	16.0
-28.75°	7.7	8.1	8.5	9.0	9.7	10.5	11.4	12.4	13.4	14.5	15.7
-30°	7.6	8.1	8.4	8.9	9.6	10.3	11.2	12.1	13.1	14.2	15.3
-31.25°	7.5	8.0	8.4	8.8	9.4	10.2	11.0	11.9	12.8	13.9	15.0
-32.5°	7.4	7.9	8.3	8.7	9.3	10.0	10.8	11.7	12.6	13.6	14.7
-33.75°	7.3	7.9	8.2	8.6	9.1	9.8	10.5	11.4	12.3	13.3	14.3
-35°	7.2	7.8	8.2	8.5	9.0	9.7	10.3	11.2	12.1	13.0	14.0
-36.25°	7.1	7.7	8.1	8.5	8.8	9.5	10.2	10.9	11.8	12.6	13.6
-37.5°	7.1	7.6	8.0	8.4	8.7	9.3	10.0	10.7	11.5	12.3	13.3
-38.75°	7.0	7.5	7.9	8.3	8.6	9.1	9.8	10.4	11.2	12.0	12.9
-40°	6.9	7.3	7.8	8.2	8.5	8.9	9.6	10.2	10.9	11.7	12.5
-41.25°	6.8	7.2	7.7	8.1	8.4	8.8	9.4	10.0	10.6	11.4	12.2
-42.5°	6.6	7.1	7.6	8.0	8.3	8.7	9.1	9.7	10.3	11.1	11.8
-43.75°	6.5	7.0	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7	11.5
-45°	6.4	6.9	7.3	7.8	8.1	8.4	8.7	9.3	9.9	10.4	11.1
-46.25°	6.2	6.8	7.2	7.6	8.0	8.3	8.6	9.0	9.6	10.2	10.8
-47.5°	6.1	6.6	7.1	7.5	7.9	8.2	8.5	8.8	9.3	9.9	10.4
-48.75°	5.9	6.5	6.9	7.3	7.8	8.1	8.4	8.7	9.1	9.6	10.1
-50°	5.7	6.3	6.8	7.2	7.6	8.0	8.2	8.5	8.8	9.3	9.8
-51.25°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.7	9.0	9.5
-52.5°	5.4	5.9	6.5	6.9	7.3	7.6	8.0	8.2	8.5	8.8	9.2
-53.75°	5.2	5.7	6.3	6.7	7.1	7.5	7.8	8.1	8.4	8.6	8.9
-55°	5.0	5.5	6.1	6.6	6.9	7.3	7.6	8.0	8.2	8.5	8.7
-56.25°	4.9	5.4	5.8	6.3	6.7	7.1	7.4	7.8	8.1	8.3	8.5
-57.5°	4.7	5.2	5.6	6.1	6.6	6.9	7.2	7.6	7.9	8.1	8.3
-58.75°	4.5	5.0	5.4	5.9	6.3	6.7	7.0	7.4	7.7	8.0	8.2
-60°	4.3	4.8	5.2	5.6	6.1	6.5	6.8	7.1	7.4	7.7	8.0
-61.25°	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.9	7.2	7.5	7.8
-62.5°	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.5
-63.75°	3.8	4.2	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3
-65°	3.6	4.0	4.3	4.7	5.0	5.4	5.7	6.1	6.5	6.8	7.0
-66.25°	3.4	3.8	4.1	4.4	4.8	5.1	5.4	5.8	6.1	6.5	6.7
-67.5°	3.2	3.6	3.9	4.2	4.5	4.8	5.1	5.5	5.8	6.1	6.4
-68.75°	3.1	3.4	3.7	4.0	4.2	4.5	4.8	5.1	5.4	5.7	6.0
-70°	2.9	3.2	3.4	3.7	4.0	4.3	4.5	4.8	5.1	5.4	5.7
-71.25°	2.7	2.9	3.2	3.5	3.7	4.0	4.2	4.5	4.8	5.0	5.3
-72.5°	2.5	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.7	4.9
-73.75°	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.5
-75°	2.0	2.3	2.5	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2
-76.25°	1.8	2.0	2.2	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8
-77.5°	1.6	1.8	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.4



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.4	1.6	1.8	1.9	2.1	2.3	2.4	2.6	2.7	2.9	3.1
-80°	1.2	1.4	1.5	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7
-81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.3
-82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.8	1.9
-83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
-85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
-87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
85°	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8
83.75°	1.6	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4
82.5°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
81.25°	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
80°	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1
78.75°	3.2	3.4	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
77.5°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2
76.25°	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.7
75°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3
73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.5	6.6	6.8
72.5°	5.1	5.4	5.6	5.9	6.1	6.3	6.6	6.7	6.9	7.0	7.2
71.25°	5.5	5.8	6.1	6.3	6.6	6.7	6.9	7.1	7.3	7.4	7.6
70°	5.9	6.2	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0
68.75°	6.3	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.2
67.5°	6.7	6.9	7.1	7.4	7.6	7.8	8.0	8.1	8.2	8.4	8.5
66.25°	7.0	7.2	7.4	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.8
65°	7.3	7.5	7.7	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.3
63.75°	7.5	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.2	9.5	9.8
62.5°	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.4	9.7	10.0	10.3
61.25°	8.0	8.2	8.4	8.6	8.8	9.1	9.5	9.8	10.2	10.5	10.9
60°	8.2	8.4	8.6	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.6
58.75°	8.4	8.6	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.2
57.5°	8.6	8.8	9.2	9.6	10.0	10.4	10.9	11.4	11.9	12.4	12.9
56.25°	8.8	9.1	9.6	10.0	10.4	10.9	11.5	12.0	12.5	13.1	13.7
55°	9.0	9.5	9.9	10.4	10.9	11.5	12.0	12.5	13.2	13.8	14.4
53.75°	9.4	9.8	10.3	10.8	11.4	12.0	12.5	13.2	13.8	14.5	15.1
52.5°	9.7	10.2	10.7	11.3	11.9	12.5	13.2	13.8	14.5	15.2	16.0
51.25°	10.0	10.5	11.1	11.8	12.4	13.1	13.8	14.5	15.2	16.0	16.8
50°	10.3	10.9	11.6	12.2	12.9	13.7	14.4	15.1	16.0	16.8	17.7
48.75°	10.7	11.4	12.0	12.7	13.5	14.2	15.0	15.9	16.7	17.6	18.5
47.5°	11.1	11.8	12.5	13.2	14.0	14.8	15.7	16.6	17.5	18.4	19.3
46.25°	11.5	12.2	12.9	13.8	14.6	15.4	16.4	17.3	18.3	19.2	20.1
45°	11.9	12.6	13.4	14.3	15.1	16.1	17.1	18.0	19.0	20.0	20.9
43.75°	12.2	13.0	13.9	14.8	15.7	16.7	17.8	18.8	19.7	20.7	21.6
42.5°	12.6	13.5	14.4	15.3	16.3	17.4	18.4	19.4	20.5	21.5	22.2
41.25°	13.0	13.9	14.9	15.9	16.9	18.0	19.1	20.1	21.2	22.0	22.7
40°	13.4	14.4	15.3	16.4	17.5	18.6	19.7	20.8	21.8	22.5	23.3
38.75°	13.9	14.8	15.9	17.0	18.1	19.2	20.3	21.5	22.2	23.0	23.8
37.5°	14.2	15.2	16.4	17.5	18.7	19.8	21.0	21.9	22.7	23.5	24.3
36.25°	14.6	15.7	16.9	18.1	19.2	20.4	21.5	22.4	23.2	24.0	24.8
35°	15.0	16.2	17.4	18.6	19.8	21.0	22.0	22.8	23.6	24.4	25.3



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	15.4	16.6	17.9	19.1	20.3	21.5	22.4	23.2	24.1	24.9	25.7
32.5°	15.8	17.1	18.3	19.6	20.8	21.9	22.8	23.6	24.5	25.3	26.1
31.25°	16.2	17.5	18.8	20.0	21.3	22.3	23.1	24.0	24.9	25.8	26.5
30°	16.6	17.9	19.2	20.5	21.7	22.6	23.5	24.4	25.3	26.1	26.8
28.75°	17.0	18.3	19.6	20.9	22.0	23.0	23.9	24.8	25.7	26.4	27.1
27.5°	17.4	18.7	20.0	21.4	22.3	23.3	24.2	25.1	26.0	26.7	27.4
26.25°	17.7	19.1	20.4	21.7	22.7	23.6	24.5	25.5	26.3	27.0	27.7
25°	18.1	19.4	20.8	22.0	22.9	23.9	24.9	25.8	26.6	27.3	27.9
23.75°	18.4	19.8	21.2	22.2	23.2	24.2	25.2	26.1	26.8	27.6	28.1
22.5°	18.7	20.1	21.5	22.5	23.5	24.5	25.5	26.3	27.1	27.8	28.3
21.25°	19.0	20.4	21.7	22.7	23.7	24.7	25.7	26.5	27.3	28.0	28.5
20°	19.3	20.7	22.0	23.0	24.0	25.0	26.0	26.8	27.5	28.1	28.7
18.75°	19.6	21.0	22.2	23.2	24.2	25.2	26.2	27.0	27.7	28.3	28.9
17.5°	19.8	21.3	22.4	23.4	24.4	25.5	26.4	27.1	27.9	28.5	29.1
16.25°	20.0	21.5	22.5	23.6	24.6	25.7	26.5	27.3	28.0	28.6	29.2
15°	20.2	21.7	22.7	23.8	24.8	25.9	26.7	27.5	28.1	28.7	29.4
13.75°	20.4	21.8	22.9	23.9	25.0	26.0	26.8	27.6	28.3	28.9	29.5
12.5°	20.6	21.9	23.0	24.1	25.1	26.1	27.0	27.7	28.4	29.0	29.6
11.25°	20.8	22.1	23.1	24.2	25.3	26.3	27.1	27.8	28.5	29.1	29.7
10°	20.9	22.2	23.3	24.3	25.4	26.4	27.2	27.9	28.6	29.2	29.8
8.75°	21.1	22.3	23.4	24.4	25.5	26.4	27.3	28.0	28.6	29.3	29.9
7.5°	21.2	22.4	23.5	24.5	25.6	26.5	27.4	28.1	28.7	29.3	30.0
6.25°	21.3	22.4	23.5	24.6	25.7	26.6	27.4	28.1	28.8	29.4	30.1
5°	21.4	22.5	23.6	24.7	25.8	26.7	27.5	28.2	28.8	29.5	30.1
3.75°	21.4	22.5	23.6	24.7	25.8	26.7	27.5	28.2	28.9	29.5	30.1
2.5°	21.5	22.6	23.7	24.8	25.9	26.7	27.6	28.2	28.9	29.5	30.2
1.25°	21.5	22.6	23.7	24.8	25.9	26.7	27.6	28.2	28.9	29.5	30.2
0°	21.5	22.6	23.7	24.8	25.9	26.8	27.6	28.3	28.9	29.6	30.2
-1.25°	21.5	22.6	23.7	24.8	25.9	26.7	27.6	28.2	28.9	29.5	30.2
-2.5°	21.5	22.6	23.7	24.8	25.9	26.7	27.6	28.2	28.9	29.5	30.2
-3.75°	21.4	22.5	23.6	24.7	25.8	26.7	27.5	28.2	28.9	29.5	30.1
-5°	21.4	22.5	23.6	24.7	25.8	26.7	27.5	28.2	28.8	29.5	30.1
-6.25°	21.3	22.4	23.5	24.6	25.7	26.6	27.4	28.1	28.8	29.4	30.1
-7.5°	21.2	22.4	23.5	24.5	25.6	26.5	27.4	28.1	28.7	29.3	30.0
-8.75°	21.1	22.3	23.4	24.4	25.5	26.4	27.3	28.0	28.6	29.3	29.9
-10°	20.9	22.2	23.3	24.3	25.4	26.4	27.2	27.9	28.6	29.2	29.8
-11.25°	20.8	22.1	23.1	24.2	25.3	26.3	27.1	27.8	28.5	29.1	29.7
-12.5°	20.6	21.9	23.0	24.1	25.1	26.1	27.0	27.7	28.4	29.0	29.6
-13.75°	20.4	21.8	22.9	23.9	25.0	26.0	26.8	27.6	28.3	28.9	29.5
-15°	20.2	21.7	22.7	23.8	24.8	25.9	26.7	27.5	28.1	28.7	29.4
-16.25°	20.0	21.5	22.5	23.6	24.6	25.7	26.5	27.3	28.0	28.6	29.2
-17.5°	19.8	21.3	22.4	23.4	24.4	25.5	26.4	27.1	27.9	28.5	29.1
-18.75°	19.6	21.0	22.2	23.2	24.2	25.2	26.2	27.0	27.7	28.3	28.9
-20°	19.3	20.7	22.0	23.0	24.0	25.0	26.0	26.8	27.5	28.1	28.7
-21.25°	19.0	20.4	21.7	22.7	23.7	24.7	25.7	26.5	27.3	28.0	28.5



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	18.7	20.1	21.5	22.5	23.5	24.5	25.5	26.3	27.1	27.8	28.3
-23.75°	18.4	19.8	21.2	22.2	23.2	24.2	25.2	26.1	26.8	27.6	28.1
-25°	18.1	19.4	20.8	22.0	22.9	23.9	24.9	25.8	26.6	27.3	27.9
-26.25°	17.7	19.1	20.4	21.7	22.7	23.6	24.5	25.5	26.3	27.0	27.7
-27.5°	17.4	18.7	20.0	21.4	22.3	23.3	24.2	25.1	26.0	26.7	27.4
-28.75°	17.0	18.3	19.6	20.9	22.0	23.0	23.9	24.8	25.7	26.4	27.1
-30°	16.6	17.9	19.2	20.5	21.7	22.6	23.5	24.4	25.3	26.1	26.8
-31.25°	16.2	17.5	18.8	20.0	21.3	22.3	23.1	24.0	24.9	25.8	26.5
-32.5°	15.8	17.1	18.3	19.6	20.8	21.9	22.8	23.6	24.5	25.3	26.1
-33.75°	15.4	16.6	17.9	19.1	20.3	21.5	22.4	23.2	24.1	24.9	25.7
-35°	15.0	16.2	17.4	18.6	19.8	21.0	22.0	22.8	23.6	24.4	25.3
-36.25°	14.6	15.7	16.9	18.1	19.2	20.4	21.5	22.4	23.2	24.0	24.8
-37.5°	14.2	15.2	16.4	17.5	18.7	19.8	21.0	21.9	22.7	23.5	24.3
-38.75°	13.9	14.8	15.9	17.0	18.1	19.2	20.3	21.5	22.2	23.0	23.8
-40°	13.4	14.4	15.3	16.4	17.5	18.6	19.7	20.8	21.8	22.5	23.3
-41.25°	13.0	13.9	14.9	15.9	16.9	18.0	19.1	20.1	21.2	22.0	22.7
-42.5°	12.6	13.5	14.4	15.3	16.3	17.4	18.4	19.4	20.5	21.5	22.2
-43.75°	12.2	13.0	13.9	14.8	15.7	16.7	17.8	18.8	19.7	20.7	21.6
-45°	11.9	12.6	13.4	14.3	15.1	16.1	17.1	18.0	19.0	20.0	20.9
-46.25°	11.5	12.2	12.9	13.8	14.6	15.4	16.4	17.3	18.3	19.2	20.1
-47.5°	11.1	11.8	12.5	13.2	14.0	14.8	15.7	16.6	17.5	18.4	19.3
-48.75°	10.7	11.4	12.0	12.7	13.5	14.2	15.0	15.9	16.7	17.6	18.5
-50°	10.3	10.9	11.6	12.2	12.9	13.7	14.4	15.1	16.0	16.8	17.7
-51.25°	10.0	10.5	11.1	11.8	12.4	13.1	13.8	14.5	15.2	16.0	16.8
-52.5°	9.7	10.2	10.7	11.3	11.9	12.5	13.2	13.8	14.5	15.2	16.0
-53.75°	9.4	9.8	10.3	10.8	11.4	12.0	12.5	13.2	13.8	14.5	15.1
-55°	9.0	9.5	9.9	10.4	10.9	11.5	12.0	12.5	13.2	13.8	14.4
-56.25°	8.8	9.1	9.6	10.0	10.4	10.9	11.5	12.0	12.5	13.1	13.7
-57.5°	8.6	8.8	9.2	9.6	10.0	10.4	10.9	11.4	11.9	12.4	12.9
-58.75°	8.4	8.6	8.8	9.2	9.6	10.0	10.4	10.8	11.3	11.8	12.2
-60°	8.2	8.4	8.6	8.8	9.2	9.6	9.9	10.3	10.7	11.1	11.6
-61.25°	8.0	8.2	8.4	8.6	8.8	9.1	9.5	9.8	10.2	10.5	10.9
-62.5°	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.4	9.7	10.0	10.3
-63.75°	7.5	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.2	9.5	9.8
-65°	7.3	7.5	7.7	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.3
-66.25°	7.0	7.2	7.4	7.7	7.9	8.1	8.2	8.4	8.5	8.7	8.8
-67.5°	6.7	6.9	7.1	7.4	7.6	7.8	8.0	8.1	8.2	8.4	8.5
-68.75°	6.3	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.1	8.2
-70°	5.9	6.2	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0
-71.25°	5.5	5.8	6.1	6.3	6.6	6.7	6.9	7.1	7.3	7.4	7.6
-72.5°	5.1	5.4	5.6	5.9	6.1	6.3	6.6	6.7	6.9	7.0	7.2
-73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.1	6.3	6.5	6.6	6.8
-75°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3
-76.25°	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.6	5.7
-77.5°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.2	3.4	3.5	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6
-80°	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.7	3.8	3.9	4.1
-81.25°	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-82.5°	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
-83.75°	1.6	1.7	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.4
-85°	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
85°	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4
83.75°	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1
82.5°	3.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8
81.25°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5
80°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
78.75°	4.7	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9
77.5°	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.3	6.4	6.5	6.6
76.25°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.1
75°	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.5	7.6	7.7
73.75°	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1
72.5°	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
71.25°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
70°	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.1	9.3	9.5
68.75°	8.4	8.5	8.6	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2
67.5°	8.7	8.8	9.0	9.3	9.5	9.7	10.0	10.2	10.4	10.7	10.9
66.25°	9.1	9.3	9.6	9.9	10.1	10.3	10.6	10.9	11.2	11.5	11.8
65°	9.6	9.9	10.2	10.4	10.7	11.1	11.4	11.7	12.0	12.3	12.6
63.75°	10.1	10.4	10.8	11.1	11.5	11.8	12.2	12.5	12.9	13.3	13.6
62.5°	10.7	11.1	11.5	11.9	12.2	12.6	13.0	13.4	13.9	14.2	14.6
61.25°	11.4	11.8	12.2	12.6	13.0	13.5	13.9	14.4	14.8	15.2	15.7
60°	12.0	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.9	16.4	16.9
58.75°	12.7	13.2	13.8	14.3	14.8	15.3	15.9	16.4	17.0	17.5	18.1
57.5°	13.5	14.0	14.6	15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.2
56.25°	14.2	14.8	15.4	16.1	16.7	17.4	18.0	18.6	19.2	19.8	20.4
55°	15.0	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.3	21.0	21.5
53.75°	15.9	16.6	17.3	18.0	18.8	19.4	20.1	20.8	21.5	21.9	22.4
52.5°	16.7	17.5	18.3	19.0	19.7	20.5	21.2	21.8	22.2	22.7	23.2
51.25°	17.6	18.4	19.2	20.0	20.7	21.5	22.0	22.5	23.0	23.5	24.0
50°	18.5	19.3	20.1	20.9	21.6	22.2	22.7	23.3	23.8	24.3	24.8
48.75°	19.4	20.2	21.0	21.8	22.3	22.9	23.5	24.0	24.5	25.1	25.6
47.5°	20.2	21.1	21.8	22.4	23.0	23.6	24.2	24.7	25.3	25.8	26.2
46.25°	21.0	21.8	22.4	23.1	23.7	24.3	24.9	25.4	26.0	26.4	26.8
45°	21.8	22.4	23.1	23.7	24.3	25.0	25.6	26.1	26.6	27.0	27.4
43.75°	22.3	23.0	23.7	24.3	25.0	25.6	26.2	26.6	27.1	27.6	27.9
42.5°	22.9	23.6	24.3	25.0	25.6	26.2	26.7	27.2	27.7	28.0	28.4
41.25°	23.5	24.2	24.9	25.6	26.2	26.7	27.2	27.7	28.1	28.4	28.8
40°	24.0	24.7	25.4	26.1	26.6	27.2	27.7	28.1	28.5	28.9	29.2
38.75°	24.5	25.3	26.0	26.6	27.1	27.7	28.1	28.5	28.9	29.3	29.7
37.5°	25.1	25.8	26.4	27.0	27.6	28.0	28.4	28.9	29.3	29.7	30.1
36.25°	25.6	26.2	26.8	27.4	27.9	28.4	28.8	29.2	29.7	30.1	30.4
35°	26.0	26.6	27.3	27.8	28.3	28.7	29.2	29.6	30.0	30.4	30.7



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	26.4	27.0	27.7	28.1	28.6	29.1	29.5	30.0	30.4	30.7	31.0
32.5°	26.8	27.4	28.0	28.4	28.9	29.4	29.9	30.3	30.6	30.9	31.2
31.25°	27.1	27.7	28.2	28.7	29.2	29.7	30.2	30.5	30.9	31.1	31.3
30°	27.5	28.0	28.5	29.0	29.5	30.0	30.4	30.8	31.1	31.3	31.5
28.75°	27.8	28.3	28.8	29.3	29.8	30.3	30.6	31.0	31.2	31.4	31.6
27.5°	28.0	28.5	29.1	29.6	30.1	30.5	30.9	31.2	31.4	31.5	31.8
26.25°	28.3	28.8	29.3	29.9	30.3	30.7	31.1	31.3	31.5	31.7	32.0
25°	28.5	29.0	29.6	30.1	30.5	30.9	31.2	31.4	31.6	31.9	32.2
23.75°	28.7	29.3	29.8	30.3	30.7	31.1	31.3	31.5	31.8	32.1	32.4
22.5°	28.9	29.5	30.0	30.5	30.9	31.2	31.4	31.6	32.0	32.3	32.8
21.25°	29.1	29.7	30.2	30.6	31.0	31.3	31.5	31.8	32.1	32.5	33.1
20°	29.3	29.9	30.4	30.8	31.1	31.4	31.6	31.9	32.3	32.8	33.4
18.75°	29.5	30.1	30.5	30.9	31.2	31.5	31.7	32.1	32.5	33.1	33.7
17.5°	29.7	30.2	30.7	31.1	31.3	31.5	31.9	32.2	32.7	33.3	34.1
16.25°	29.8	30.4	30.8	31.2	31.4	31.6	32.0	32.4	32.9	33.6	34.7
15°	30.0	30.5	30.9	31.2	31.4	31.7	32.1	32.5	33.2	33.8	35.2
13.75°	30.1	30.6	31.0	31.3	31.5	31.8	32.2	32.7	33.4	34.3	35.7
12.5°	30.2	30.7	31.1	31.3	31.6	31.9	32.3	32.9	33.6	34.7	36.1
11.25°	30.3	30.7	31.1	31.4	31.6	32.0	32.4	33.1	33.7	35.1	36.5
10°	30.4	30.8	31.2	31.4	31.7	32.1	32.5	33.2	34.0	35.5	37.1
8.75°	30.4	30.9	31.2	31.5	31.8	32.2	32.7	33.4	34.3	35.8	38.0
7.5°	30.5	30.9	31.3	31.5	31.8	32.2	32.8	33.5	34.6	36.0	38.7
6.25°	30.5	31.0	31.3	31.5	31.9	32.3	32.9	33.6	34.8	36.3	39.4
5°	30.6	31.0	31.3	31.6	31.9	32.3	33.0	33.7	35.0	36.5	40.0
3.75°	30.6	31.1	31.3	31.6	32.0	32.4	33.0	33.7	35.1	36.6	40.4
2.5°	30.6	31.1	31.3	31.6	32.0	32.4	33.1	33.8	35.2	36.7	40.7
1.25°	30.6	31.1	31.3	31.6	32.0	32.4	33.1	33.8	35.3	36.8	40.9
0°	30.7	31.1	31.4	31.6	32.0	32.4	33.1	33.8	35.3	36.8	41.0
-1.25°	30.6	31.1	31.3	31.6	32.0	32.4	33.1	33.8	35.3	36.8	40.9
-2.5°	30.6	31.1	31.3	31.6	32.0	32.4	33.1	33.8	35.2	36.7	40.7
-3.75°	30.6	31.1	31.3	31.6	32.0	32.4	33.0	33.7	35.1	36.6	40.4
-5°	30.6	31.0	31.3	31.6	31.9	32.3	33.0	33.7	35.0	36.5	40.0
-6.25°	30.5	31.0	31.3	31.5	31.9	32.3	32.9	33.6	34.8	36.3	39.4
-7.5°	30.5	30.9	31.3	31.5	31.8	32.2	32.8	33.5	34.6	36.0	38.7
-8.75°	30.4	30.9	31.2	31.5	31.8	32.2	32.7	33.4	34.3	35.8	38.0
-10°	30.4	30.8	31.2	31.4	31.7	32.1	32.5	33.2	34.0	35.5	37.1
-11.25°	30.3	30.7	31.1	31.4	31.6	32.0	32.4	33.1	33.7	35.1	36.5
-12.5°	30.2	30.7	31.1	31.3	31.6	31.9	32.3	32.9	33.6	34.7	36.1
-13.75°	30.1	30.6	31.0	31.3	31.5	31.8	32.2	32.7	33.4	34.3	35.7
-15°	30.0	30.5	30.9	31.2	31.4	31.7	32.1	32.5	33.2	33.8	35.2
-16.25°	29.8	30.4	30.8	31.2	31.4	31.6	32.0	32.4	32.9	33.6	34.7
-17.5°	29.7	30.2	30.7	31.1	31.3	31.5	31.9	32.2	32.7	33.3	34.1
-18.75°	29.5	30.1	30.5	30.9	31.2	31.5	31.7	32.1	32.5	33.1	33.7
-20°	29.3	29.9	30.4	30.8	31.1	31.4	31.6	31.9	32.3	32.8	33.4
-21.25°	29.1	29.7	30.2	30.6	31.0	31.3	31.5	31.8	32.1	32.5	33.1



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	28.9	29.5	30.0	30.5	30.9	31.2	31.4	31.6	32.0	32.3	32.8
-23.75°	28.7	29.3	29.8	30.3	30.7	31.1	31.3	31.5	31.8	32.1	32.4
-25°	28.5	29.0	29.6	30.1	30.5	30.9	31.2	31.4	31.6	31.9	32.2
-26.25°	28.3	28.8	29.3	29.9	30.3	30.7	31.1	31.3	31.5	31.7	32.0
-27.5°	28.0	28.5	29.1	29.6	30.1	30.5	30.9	31.2	31.4	31.5	31.8
-28.75°	27.8	28.3	28.8	29.3	29.8	30.3	30.6	31.0	31.2	31.4	31.6
-30°	27.5	28.0	28.5	29.0	29.5	30.0	30.4	30.8	31.1	31.3	31.5
-31.25°	27.1	27.7	28.2	28.7	29.2	29.7	30.2	30.5	30.9	31.1	31.3
-32.5°	26.8	27.4	28.0	28.4	28.9	29.4	29.9	30.3	30.6	30.9	31.2
-33.75°	26.4	27.0	27.7	28.1	28.6	29.1	29.5	30.0	30.4	30.7	31.0
-35°	26.0	26.6	27.3	27.8	28.3	28.7	29.2	29.6	30.0	30.4	30.7
-36.25°	25.6	26.2	26.8	27.4	27.9	28.4	28.8	29.2	29.7	30.1	30.4
-37.5°	25.1	25.8	26.4	27.0	27.6	28.0	28.4	28.9	29.3	29.7	30.1
-38.75°	24.5	25.3	26.0	26.6	27.1	27.7	28.1	28.5	28.9	29.3	29.7
-40°	24.0	24.7	25.4	26.1	26.6	27.2	27.7	28.1	28.5	28.9	29.2
-41.25°	23.5	24.2	24.9	25.6	26.2	26.7	27.2	27.7	28.1	28.4	28.8
-42.5°	22.9	23.6	24.3	25.0	25.6	26.2	26.7	27.2	27.7	28.0	28.4
-43.75°	22.3	23.0	23.7	24.3	25.0	25.6	26.2	26.6	27.1	27.6	27.9
-45°	21.8	22.4	23.1	23.7	24.3	25.0	25.6	26.1	26.6	27.0	27.4
-46.25°	21.0	21.8	22.4	23.1	23.7	24.3	24.9	25.4	26.0	26.4	26.8
-47.5°	20.2	21.1	21.8	22.4	23.0	23.6	24.2	24.7	25.3	25.8	26.2
-48.75°	19.4	20.2	21.0	21.8	22.3	22.9	23.5	24.0	24.5	25.1	25.6
-50°	18.5	19.3	20.1	20.9	21.6	22.2	22.7	23.3	23.8	24.3	24.8
-51.25°	17.6	18.4	19.2	20.0	20.7	21.5	22.0	22.5	23.0	23.5	24.0
-52.5°	16.7	17.5	18.3	19.0	19.7	20.5	21.2	21.8	22.2	22.7	23.2
-53.75°	15.9	16.6	17.3	18.0	18.8	19.4	20.1	20.8	21.5	21.9	22.4
-55°	15.0	15.7	16.4	17.1	17.8	18.4	19.1	19.7	20.3	21.0	21.5
-56.25°	14.2	14.8	15.4	16.1	16.7	17.4	18.0	18.6	19.2	19.8	20.4
-57.5°	13.5	14.0	14.6	15.1	15.7	16.3	16.9	17.5	18.1	18.7	19.2
-58.75°	12.7	13.2	13.8	14.3	14.8	15.3	15.9	16.4	17.0	17.5	18.1
-60°	12.0	12.5	12.9	13.4	13.9	14.4	14.9	15.3	15.9	16.4	16.9
-61.25°	11.4	11.8	12.2	12.6	13.0	13.5	13.9	14.4	14.8	15.2	15.7
-62.5°	10.7	11.1	11.5	11.9	12.2	12.6	13.0	13.4	13.9	14.2	14.6
-63.75°	10.1	10.4	10.8	11.1	11.5	11.8	12.2	12.5	12.9	13.3	13.6
-65°	9.6	9.9	10.2	10.4	10.7	11.1	11.4	11.7	12.0	12.3	12.6
-66.25°	9.1	9.3	9.6	9.9	10.1	10.3	10.6	10.9	11.2	11.5	11.8
-67.5°	8.7	8.8	9.0	9.3	9.5	9.7	10.0	10.2	10.4	10.7	10.9
-68.75°	8.4	8.5	8.6	8.7	8.9	9.1	9.4	9.6	9.8	10.0	10.2
-70°	8.1	8.2	8.3	8.4	8.5	8.7	8.8	8.9	9.1	9.3	9.5
-71.25°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-72.5°	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5
-73.75°	6.9	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1
-75°	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.5	7.6	7.7
-76.25°	5.9	6.1	6.2	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.1
-77.5°	5.3	5.5	5.6	5.7	5.9	6.0	6.1	6.3	6.4	6.5	6.6



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	4.7	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.8	5.9
-80°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-81.25°	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5
-82.5°	3.1	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8
-83.75°	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.1	3.1
-85°	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4
-86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
-87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
86.25°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
85°	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
83.75°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6
82.5°	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
81.25°	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2
80°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.0
78.75°	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8
77.5°	6.7	6.8	6.9	6.9	7.0	7.1	7.2	7.2	7.3	7.3	7.4
76.25°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0
75°	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4
73.75°	8.2	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8
72.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.4	9.5	9.6
71.25°	9.0	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
70°	9.7	9.8	10.0	10.2	10.3	10.5	10.6	10.8	11.0	11.2	11.3
68.75°	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.1	12.3
67.5°	11.2	11.4	11.7	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.4
66.25°	12.1	12.3	12.6	12.8	13.1	13.4	13.7	13.9	14.2	14.4	14.6
65°	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.6	15.9
63.75°	14.0	14.3	14.7	15.0	15.3	15.7	16.0	16.4	16.7	17.0	17.3
62.5°	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.7	18.1	18.4	18.7
61.25°	16.2	16.6	17.1	17.5	17.9	18.3	18.7	19.1	19.4	19.8	20.1
60°	17.4	17.9	18.3	18.8	19.2	19.6	20.0	20.4	20.8	21.2	21.5
58.75°	18.6	19.1	19.6	20.0	20.5	20.9	21.4	21.7	22.0	22.2	22.5
57.5°	19.8	20.3	20.8	21.3	21.7	22.0	22.3	22.7	22.9	23.2	23.5
56.25°	21.0	21.5	21.9	22.3	22.6	23.0	23.3	23.6	23.9	24.2	24.5
55°	22.0	22.4	22.8	23.1	23.5	23.9	24.2	24.5	24.9	25.2	25.5
53.75°	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.5	25.8	26.1	26.3
52.5°	23.6	24.1	24.5	24.9	25.3	25.7	26.0	26.3	26.6	26.8	27.1
51.25°	24.4	24.9	25.3	25.8	26.1	26.4	26.7	27.0	27.3	27.6	27.8
50°	25.3	25.7	26.1	26.5	26.8	27.1	27.4	27.7	27.9	28.1	28.3
48.75°	26.0	26.4	26.8	27.1	27.5	27.8	28.0	28.3	28.5	28.7	28.9
47.5°	26.6	27.0	27.4	27.7	28.0	28.3	28.5	28.8	29.0	29.3	29.5
46.25°	27.3	27.7	28.0	28.2	28.5	28.8	29.1	29.3	29.6	29.8	30.0
45°	27.8	28.1	28.4	28.7	29.0	29.3	29.6	29.9	30.1	30.3	30.5
43.75°	28.3	28.6	28.9	29.2	29.5	29.8	30.1	30.3	30.5	30.7	30.9
42.5°	28.7	29.1	29.4	29.7	30.0	30.3	30.5	30.7	30.9	31.1	31.2
41.25°	29.2	29.5	29.9	30.2	30.4	30.6	30.9	31.1	31.2	31.3	31.4
40°	29.6	30.0	30.3	30.5	30.8	31.0	31.2	31.3	31.4	31.5	31.6
38.75°	30.0	30.4	30.6	30.9	31.1	31.2	31.4	31.5	31.6	31.8	32.0
37.5°	30.4	30.7	30.9	31.1	31.3	31.4	31.5	31.7	31.9	32.1	32.3
36.25°	30.7	31.0	31.2	31.3	31.5	31.6	31.8	32.0	32.2	32.4	32.8
35°	31.0	31.2	31.3	31.5	31.7	31.9	32.1	32.3	32.6	33.0	33.3



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	31.2	31.3	31.5	31.7	31.9	32.2	32.4	32.8	33.2	33.6	34.0
32.5°	31.3	31.5	31.7	32.0	32.2	32.5	32.9	33.3	33.7	34.4	35.2
31.25°	31.5	31.7	32.0	32.2	32.5	33.0	33.4	33.9	34.7	35.6	36.4
30°	31.7	31.9	32.2	32.5	33.0	33.5	34.0	35.0	35.9	36.7	38.9
28.75°	31.9	32.2	32.5	33.0	33.5	34.1	35.1	36.0	37.2	39.7	42.1
27.5°	32.1	32.4	32.9	33.4	34.0	35.1	36.1	37.5	40.1	42.7	45.3
26.25°	32.3	32.8	33.3	33.9	35.0	36.0	37.5	40.3	43.0	46.3	51.5
25°	32.6	33.2	33.7	34.7	35.9	37.2	40.1	43.0	46.6	52.1	57.5
23.75°	33.0	33.6	34.4	35.6	36.7	39.7	42.7	46.3	52.1	57.8	63.7
22.5°	33.3	34.0	35.2	36.4	38.9	42.1	45.3	51.5	57.5	63.7	70.5
21.25°	33.7	34.8	36.0	37.9	41.2	44.4	50.2	56.5	62.9	70.1	77.1
20°	34.2	35.5	36.7	40.0	43.3	48.3	54.9	61.4	68.8	76.2	84.2
18.75°	34.8	36.1	38.5	41.9	45.7	52.6	59.4	66.8	74.5	82.4	93.2
17.5°	35.4	36.8	40.3	43.8	49.7	56.7	64.0	72.0	80.0	90.3	111.2
16.25°	36.0	38.3	42.0	46.2	53.4	60.6	68.8	77.0	86.7	104.3	139.8
15°	36.6	39.9	43.6	49.6	57.0	64.7	73.3	81.9	94.8	123.3	175.4
13.75°	37.5	41.3	45.1	52.7	60.2	68.8	77.5	88.0	109.0	152.1	218.8
12.5°	38.8	42.7	47.9	55.6	63.6	72.6	81.5	95.3	127.4	185.8	265.4
11.25°	40.0	43.9	50.5	58.3	66.9	76.0	86.5	106.9	151.0	221.6	311.0
10°	41.0	45.0	52.8	60.8	69.9	79.1	91.1	118.3	176.6	259.2	358.6
8.75°	42.0	46.9	54.9	63.1	72.6	82.1	98.4	136.7	204.4	294.7	401.7
7.5°	42.8	48.6	56.7	65.4	74.9	85.6	106.3	152.8	228.9	328.0	443.5
6.25°	43.5	50.1	58.3	67.3	76.9	88.5	113.1	168.1	253.9	358.9	480.0
5°	44.1	51.3	59.5	68.8	78.5	90.9	120.5	184.5	275.0	384.5	510.2
3.75°	44.5	52.2	60.5	70.1	79.8	93.2	129.0	197.4	291.5	404.6	535.1
2.5°	44.8	52.9	61.2	70.9	80.8	96.1	135.1	206.7	303.4	420.5	553.1
1.25°	45.0	53.3	61.7	71.5	81.3	97.9	138.8	212.3	310.6	430.2	564.0
0°	45.1	53.5	61.8	71.7	81.5	98.5	140.1	214.1	313.0	433.5	567.7
-1.25°	45.0	53.3	61.7	71.5	81.3	97.9	138.8	212.3	310.6	430.2	564.0
-2.5°	44.8	52.9	61.2	70.9	80.8	96.1	135.1	206.7	303.4	420.5	553.1
-3.75°	44.5	52.2	60.5	70.1	79.8	93.2	129.0	197.4	291.5	404.6	535.1
-5°	44.1	51.3	59.5	68.8	78.5	90.9	120.5	184.5	275.0	384.5	510.2
-6.25°	43.5	50.1	58.3	67.3	76.9	88.5	113.1	168.1	253.9	358.9	480.0
-7.5°	42.8	48.6	56.7	65.4	74.9	85.6	106.3	152.8	228.9	328.0	443.5
-8.75°	42.0	46.9	54.9	63.1	72.6	82.1	98.4	136.7	204.4	294.7	401.7
-10°	41.0	45.0	52.8	60.8	69.9	79.1	91.1	118.3	176.6	259.2	358.6
-11.25°	40.0	43.9	50.5	58.3	66.9	76.0	86.5	106.9	151.0	221.6	311.0
-12.5°	38.8	42.7	47.9	55.6	63.6	72.6	81.5	95.3	127.4	185.8	265.4
-13.75°	37.5	41.3	45.1	52.7	60.2	68.8	77.5	88.0	109.0	152.1	218.8
-15°	36.6	39.9	43.6	49.6	57.0	64.7	73.3	81.9	94.8	123.3	175.4
-16.25°	36.0	38.3	42.0	46.2	53.4	60.6	68.8	77.0	86.7	104.3	139.8
-17.5°	35.4	36.8	40.3	43.8	49.7	56.7	64.0	72.0	80.0	90.3	111.2
-18.75°	34.8	36.1	38.5	41.9	45.7	52.6	59.4	66.8	74.5	82.4	93.2
-20°	34.2	35.5	36.7	40.0	43.3	48.3	54.9	61.4	68.8	76.2	84.2
-21.25°	33.7	34.8	36.0	37.9	41.2	44.4	50.2	56.5	62.9	70.1	77.1



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	33.3	34.0	35.2	36.4	38.9	42.1	45.3	51.5	57.5	63.7	70.5
-23.75°	33.0	33.6	34.4	35.6	36.7	39.7	42.7	46.3	52.1	57.8	63.7
-25°	32.6	33.2	33.7	34.7	35.9	37.2	40.1	43.0	46.6	52.1	57.5
-26.25°	32.3	32.8	33.3	33.9	35.0	36.0	37.5	40.3	43.0	46.3	51.5
-27.5°	32.1	32.4	32.9	33.4	34.0	35.1	36.1	37.5	40.1	42.7	45.3
-28.75°	31.9	32.2	32.5	33.0	33.5	34.1	35.1	36.0	37.2	39.7	42.1
-30°	31.7	31.9	32.2	32.5	33.0	33.5	34.0	35.0	35.9	36.7	38.9
-31.25°	31.5	31.7	32.0	32.2	32.5	33.0	33.4	33.9	34.7	35.6	36.4
-32.5°	31.3	31.5	31.7	32.0	32.2	32.5	32.9	33.3	33.7	34.4	35.2
-33.75°	31.2	31.3	31.5	31.7	31.9	32.2	32.4	32.8	33.2	33.6	34.0
-35°	31.0	31.2	31.3	31.5	31.7	31.9	32.1	32.3	32.6	33.0	33.3
-36.25°	30.7	31.0	31.2	31.3	31.5	31.6	31.8	32.0	32.2	32.4	32.8
-37.5°	30.4	30.7	30.9	31.1	31.3	31.4	31.5	31.7	31.9	32.1	32.3
-38.75°	30.0	30.4	30.6	30.9	31.1	31.2	31.4	31.5	31.6	31.8	32.0
-40°	29.6	30.0	30.3	30.5	30.8	31.0	31.2	31.3	31.4	31.5	31.6
-41.25°	29.2	29.5	29.9	30.2	30.4	30.6	30.9	31.1	31.2	31.3	31.4
-42.5°	28.7	29.1	29.4	29.7	30.0	30.3	30.5	30.7	30.9	31.1	31.2
-43.75°	28.3	28.6	28.9	29.2	29.5	29.8	30.1	30.3	30.5	30.7	30.9
-45°	27.8	28.1	28.4	28.7	29.0	29.3	29.6	29.9	30.1	30.3	30.5
-46.25°	27.3	27.7	28.0	28.2	28.5	28.8	29.1	29.3	29.6	29.8	30.0
-47.5°	26.6	27.0	27.4	27.7	28.0	28.3	28.5	28.8	29.0	29.3	29.5
-48.75°	26.0	26.4	26.8	27.1	27.5	27.8	28.0	28.3	28.5	28.7	28.9
-50°	25.3	25.7	26.1	26.5	26.8	27.1	27.4	27.7	27.9	28.1	28.3
-51.25°	24.4	24.9	25.3	25.8	26.1	26.4	26.7	27.0	27.3	27.6	27.8
-52.5°	23.6	24.1	24.5	24.9	25.3	25.7	26.0	26.3	26.6	26.8	27.1
-53.75°	22.8	23.2	23.6	24.0	24.4	24.8	25.1	25.5	25.8	26.1	26.3
-55°	22.0	22.4	22.8	23.1	23.5	23.9	24.2	24.5	24.9	25.2	25.5
-56.25°	21.0	21.5	21.9	22.3	22.6	23.0	23.3	23.6	23.9	24.2	24.5
-57.5°	19.8	20.3	20.8	21.3	21.7	22.0	22.3	22.7	22.9	23.2	23.5
-58.75°	18.6	19.1	19.6	20.0	20.5	20.9	21.4	21.7	22.0	22.2	22.5
-60°	17.4	17.9	18.3	18.8	19.2	19.6	20.0	20.4	20.8	21.2	21.5
-61.25°	16.2	16.6	17.1	17.5	17.9	18.3	18.7	19.1	19.4	19.8	20.1
-62.5°	15.0	15.4	15.8	16.2	16.6	17.0	17.4	17.7	18.1	18.4	18.7
-63.75°	14.0	14.3	14.7	15.0	15.3	15.7	16.0	16.4	16.7	17.0	17.3
-65°	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.6	15.9
-66.25°	12.1	12.3	12.6	12.8	13.1	13.4	13.7	13.9	14.2	14.4	14.6
-67.5°	11.2	11.4	11.7	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.4
-68.75°	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.1	12.3
-70°	9.7	9.8	10.0	10.2	10.3	10.5	10.6	10.8	11.0	11.2	11.3
-71.25°	9.0	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
-72.5°	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.4	9.5	9.6
-73.75°	8.2	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8
-75°	7.8	7.9	7.9	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4
-76.25°	7.2	7.3	7.4	7.5	7.6	7.7	7.7	7.8	7.9	7.9	8.0
-77.5°	6.7	6.8	6.9	6.9	7.0	7.1	7.2	7.2	7.3	7.3	7.4



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.7	6.8
-80°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.0
-81.25°	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2
-82.5°	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
-83.75°	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6
-85°	2.4	2.5	2.5	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
-86.25°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2
85°	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1
83.75°	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9
82.5°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
81.25°	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6
80°	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5
78.75°	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2
77.5°	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8
76.25°	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3
75°	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7	8.7
73.75°	8.9	9.0	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5
72.5°	9.7	9.8	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4
71.25°	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4
70°	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.3	12.4	12.5
68.75°	12.5	12.6	12.8	12.9	13.1	13.2	13.3	13.5	13.6	13.6	13.7
67.5°	13.6	13.8	14.0	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0
66.25°	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.1	16.3	16.4	16.5
65°	16.2	16.4	16.7	16.9	17.1	17.3	17.5	17.6	17.8	17.9	18.0
63.75°	17.6	17.9	18.1	18.3	18.6	18.8	18.9	19.1	19.3	19.4	19.5
62.5°	19.0	19.3	19.6	19.8	20.0	20.2	20.4	20.6	20.8	20.9	21.1
61.25°	20.4	20.7	21.0	21.3	21.5	21.7	21.8	21.9	22.1	22.2	22.3
60°	21.7	22.0	22.2	22.4	22.5	22.7	22.9	23.0	23.1	23.3	23.4
58.75°	22.7	23.0	23.2	23.4	23.6	23.8	23.9	24.1	24.2	24.3	24.4
57.5°	23.7	24.0	24.2	24.4	24.6	24.8	25.0	25.1	25.3	25.4	25.5
56.25°	24.7	25.0	25.2	25.5	25.7	25.9	26.0	26.1	26.3	26.4	26.4
55°	25.7	26.0	26.2	26.4	26.5	26.7	26.8	27.0	27.1	27.2	27.3
53.75°	26.5	26.8	27.0	27.1	27.3	27.5	27.6	27.7	27.8	27.9	28.0
52.5°	27.3	27.5	27.7	27.9	28.0	28.1	28.3	28.4	28.5	28.6	28.6
51.25°	28.0	28.1	28.3	28.5	28.6	28.7	28.9	29.0	29.1	29.2	29.3
50°	28.5	28.7	28.9	29.1	29.2	29.4	29.5	29.6	29.7	29.8	29.9
48.75°	29.1	29.3	29.5	29.7	29.8	30.0	30.1	30.2	30.3	30.4	30.4
47.5°	29.7	29.9	30.1	30.2	30.4	30.5	30.6	30.7	30.7	30.8	30.9
46.25°	30.2	30.4	30.5	30.7	30.8	30.9	31.0	31.1	31.1	31.2	31.2
45°	30.6	30.8	30.9	31.1	31.2	31.2	31.3	31.3	31.4	31.4	31.5
43.75°	31.0	31.1	31.2	31.3	31.4	31.4	31.5	31.6	31.6	31.7	31.8
42.5°	31.3	31.4	31.5	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2
41.25°	31.5	31.6	31.7	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.7
40°	31.8	31.9	32.1	32.2	32.4	32.5	32.7	32.9	33.1	33.2	33.4
38.75°	32.1	32.3	32.5	32.7	32.9	33.2	33.4	33.6	33.7	34.0	34.3
37.5°	32.5	32.8	33.1	33.3	33.6	33.8	34.3	34.7	35.1	35.5	35.8
36.25°	33.1	33.4	33.7	34.1	34.7	35.2	35.7	36.1	36.5	37.1	38.0
35°	33.7	34.2	34.8	35.4	36.0	36.6	37.5	38.8	40.0	41.0	42.0



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	34.8	35.5	36.1	36.8	38.3	39.9	41.3	42.7	43.9	45.0	46.9
32.5°	36.0	36.7	38.5	40.3	42.0	43.6	45.1	47.9	50.5	52.8	54.9
31.25°	37.9	40.0	41.9	43.8	46.2	49.6	52.7	55.6	58.3	60.8	63.1
30°	41.2	43.3	45.7	49.7	53.4	57.0	60.2	63.6	66.9	69.9	72.6
28.75°	44.4	48.3	52.6	56.7	60.6	64.7	68.8	72.6	76.0	79.1	82.1
27.5°	50.2	54.9	59.4	64.0	68.8	73.3	77.5	81.5	86.5	91.1	98.4
26.25°	56.5	61.4	66.8	72.0	77.0	81.9	88.0	95.3	106.9	118.3	136.7
25°	62.9	68.8	74.5	80.0	86.7	94.8	109.0	127.4	151.0	176.6	204.4
23.75°	70.1	76.2	82.4	90.3	104.3	123.3	152.1	185.8	221.6	259.2	294.7
22.5°	77.1	84.2	93.2	111.2	139.8	175.4	218.8	265.4	311.0	358.6	401.7
21.25°	84.8	95.9	115.4	150.9	195.9	246.7	301.8	359.5	415.4	471.7	523.0
20°	95.9	117.0	156.5	208.3	267.3	330.5	396.8	465.2	530.8	593.2	649.0
18.75°	115.4	156.5	212.4	277.7	348.9	423.8	501.4	577.7	648.6	712.9	768.4
17.5°	150.9	208.3	277.7	355.1	438.1	524.0	609.4	688.5	760.0	823.3	883.5
16.25°	195.9	267.3	348.9	438.1	531.8	625.4	712.8	791.1	865.2	935.7	1002.2
15°	246.7	330.5	423.8	524.0	625.4	720.9	806.9	890.9	972.5	1049.9	1122.2
13.75°	301.8	396.8	501.4	609.4	712.8	806.9	899.6	991.2	1079.6	1163.1	1237.8
12.5°	359.5	465.2	577.7	688.5	791.1	890.9	991.2	1089.6	1183.4	1269.3	1345.2
11.25°	415.4	530.8	648.6	760.0	865.2	972.5	1079.6	1183.4	1279.5	1366.7	1442.7
10°	471.7	593.2	712.9	823.3	935.7	1049.9	1163.1	1269.3	1366.7	1453.4	1529.9
8.75°	523.0	649.0	768.4	883.5	1002.2	1122.2	1237.8	1345.2	1442.7	1529.9	1608.3
7.5°	570.2	697.7	816.6	937.5	1062.1	1186.1	1303.2	1411.1	1508.8	1597.5	1676.9
6.25°	610.8	739.2	859.8	985.9	1114.9	1241.0	1359.5	1467.8	1565.8	1655.7	1736.2
5°	644.1	771.8	896.4	1026.4	1159.1	1286.2	1404.6	1512.9	1612.7	1703.3	1786.8
3.75°	670.0	797.5	925.3	1058.7	1193.2	1321.3	1440.3	1549.3	1649.8	1741.1	1826.2
2.5°	688.7	816.1	946.5	1082.4	1218.0	1346.9	1466.2	1574.8	1675.7	1768.9	1855.6
1.25°	700.0	827.3	959.6	1096.7	1233.0	1362.4	1481.0	1590.3	1691.5	1786.1	1872.5
0°	703.8	831.1	964.0	1101.6	1238.1	1367.6	1486.0	1595.6	1696.9	1791.9	1878.0
-1.25°	700.0	827.3	959.6	1096.7	1233.0	1362.4	1481.0	1590.3	1691.5	1786.1	1872.5
-2.5°	688.7	816.1	946.5	1082.4	1218.0	1346.9	1466.2	1574.8	1675.7	1768.9	1855.6
-3.75°	670.0	797.5	925.3	1058.7	1193.2	1321.3	1440.3	1549.3	1649.8	1741.1	1826.2
-5°	644.1	771.8	896.4	1026.4	1159.1	1286.2	1404.6	1512.9	1612.7	1703.3	1786.8
-6.25°	610.8	739.2	859.8	985.9	1114.9	1241.0	1359.5	1467.8	1565.8	1655.7	1736.2
-7.5°	570.2	697.7	816.6	937.5	1062.1	1186.1	1303.2	1411.1	1508.8	1597.5	1676.9
-8.75°	523.0	649.0	768.4	883.5	1002.2	1122.2	1237.8	1345.2	1442.7	1529.9	1608.3
-10°	471.7	593.2	712.9	823.3	935.7	1049.9	1163.1	1269.3	1366.7	1453.4	1529.9
-11.25°	415.4	530.8	648.6	760.0	865.2	972.5	1079.6	1183.4	1279.5	1366.7	1442.7
-12.5°	359.5	465.2	577.7	688.5	791.1	890.9	991.2	1089.6	1183.4	1269.3	1345.2
-13.75°	301.8	396.8	501.4	609.4	712.8	806.9	899.6	991.2	1079.6	1163.1	1237.8
-15°	246.7	330.5	423.8	524.0	625.4	720.9	806.9	890.9	972.5	1049.9	1122.2
-16.25°	195.9	267.3	348.9	438.1	531.8	625.4	712.8	791.1	865.2	935.7	1002.2
-17.5°	150.9	208.3	277.7	355.1	438.1	524.0	609.4	688.5	760.0	823.3	883.5
-18.75°	115.4	156.5	212.4	277.7	348.9	423.8	501.4	577.7	648.6	712.9	768.4
-20°	95.9	117.0	156.5	208.3	267.3	330.5	396.8	465.2	530.8	593.2	649.0
-21.25°	84.8	95.9	115.4	150.9	195.9	246.7	301.8	359.5	415.4	471.7	523.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	77.1	84.2	93.2	111.2	139.8	175.4	218.8	265.4	311.0	358.6	401.7
-23.75°	70.1	76.2	82.4	90.3	104.3	123.3	152.1	185.8	221.6	259.2	294.7
-25°	62.9	68.8	74.5	80.0	86.7	94.8	109.0	127.4	151.0	176.6	204.4
-26.25°	56.5	61.4	66.8	72.0	77.0	81.9	88.0	95.3	106.9	118.3	136.7
-27.5°	50.2	54.9	59.4	64.0	68.8	73.3	77.5	81.5	86.5	91.1	98.4
-28.75°	44.4	48.3	52.6	56.7	60.6	64.7	68.8	72.6	76.0	79.1	82.1
-30°	41.2	43.3	45.7	49.7	53.4	57.0	60.2	63.6	66.9	69.9	72.6
-31.25°	37.9	40.0	41.9	43.8	46.2	49.6	52.7	55.6	58.3	60.8	63.1
-32.5°	36.0	36.7	38.5	40.3	42.0	43.6	45.1	47.9	50.5	52.8	54.9
-33.75°	34.8	35.5	36.1	36.8	38.3	39.9	41.3	42.7	43.9	45.0	46.9
-35°	33.7	34.2	34.8	35.4	36.0	36.6	37.5	38.8	40.0	41.0	42.0
-36.25°	33.1	33.4	33.7	34.1	34.7	35.2	35.7	36.1	36.5	37.1	38.0
-37.5°	32.5	32.8	33.1	33.3	33.6	33.8	34.3	34.7	35.1	35.5	35.8
-38.75°	32.1	32.3	32.5	32.7	32.9	33.2	33.4	33.6	33.7	34.0	34.3
-40°	31.8	31.9	32.1	32.2	32.4	32.5	32.7	32.9	33.1	33.2	33.4
-41.25°	31.5	31.6	31.7	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.7
-42.5°	31.3	31.4	31.5	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2
-43.75°	31.0	31.1	31.2	31.3	31.4	31.4	31.5	31.6	31.6	31.7	31.8
-45°	30.6	30.8	30.9	31.1	31.2	31.2	31.3	31.3	31.4	31.4	31.5
-46.25°	30.2	30.4	30.5	30.7	30.8	30.9	31.0	31.1	31.1	31.2	31.2
-47.5°	29.7	29.9	30.1	30.2	30.4	30.5	30.6	30.7	30.7	30.8	30.9
-48.75°	29.1	29.3	29.5	29.7	29.8	30.0	30.1	30.2	30.3	30.4	30.4
-50°	28.5	28.7	28.9	29.1	29.2	29.4	29.5	29.6	29.7	29.8	29.9
-51.25°	28.0	28.1	28.3	28.5	28.6	28.7	28.9	29.0	29.1	29.2	29.3
-52.5°	27.3	27.5	27.7	27.9	28.0	28.1	28.3	28.4	28.5	28.6	28.6
-53.75°	26.5	26.8	27.0	27.1	27.3	27.5	27.6	27.7	27.8	27.9	28.0
-55°	25.7	26.0	26.2	26.4	26.5	26.7	26.8	27.0	27.1	27.2	27.3
-56.25°	24.7	25.0	25.2	25.5	25.7	25.9	26.0	26.1	26.3	26.4	26.4
-57.5°	23.7	24.0	24.2	24.4	24.6	24.8	25.0	25.1	25.3	25.4	25.5
-58.75°	22.7	23.0	23.2	23.4	23.6	23.8	23.9	24.1	24.2	24.3	24.4
-60°	21.7	22.0	22.2	22.4	22.5	22.7	22.9	23.0	23.1	23.3	23.4
-61.25°	20.4	20.7	21.0	21.3	21.5	21.7	21.8	21.9	22.1	22.2	22.3
-62.5°	19.0	19.3	19.6	19.8	20.0	20.2	20.4	20.6	20.8	20.9	21.1
-63.75°	17.6	17.9	18.1	18.3	18.6	18.8	18.9	19.1	19.3	19.4	19.5
-65°	16.2	16.4	16.7	16.9	17.1	17.3	17.5	17.6	17.8	17.9	18.0
-66.25°	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.1	16.3	16.4	16.5
-67.5°	13.6	13.8	14.0	14.2	14.3	14.5	14.6	14.7	14.8	14.9	15.0
-68.75°	12.5	12.6	12.8	12.9	13.1	13.2	13.3	13.5	13.6	13.6	13.7
-70°	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.3	12.4	12.5
-71.25°	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.3	11.4
-72.5°	9.7	9.8	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4
-73.75°	8.9	9.0	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5
-75°	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7	8.7
-76.25°	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3
-77.5°	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	6.8	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2
-80°	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5
-81.25°	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6
-82.5°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
-83.75°	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.9	3.9
-85°	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1
-86.25°	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2
-87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
83.75°	3.9	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
81.25°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
80°	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
78.75°	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2
77.5°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
76.25°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.3	8.3
75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
73.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6	9.6	9.6
72.5°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
71.25°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
70°	12.5	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6
68.75°	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
67.5°	15.1	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.2	15.2
66.25°	16.6	16.7	16.7	16.8	16.8	16.8	16.9	16.8	16.8	16.8	16.7
65°	18.1	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.3	18.3
63.75°	19.7	19.7	19.8	19.9	19.9	19.9	20.0	19.9	19.9	19.9	19.8
62.5°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
61.25°	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
60°	23.5	23.5	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.6
58.75°	24.5	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7
57.5°	25.6	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8	25.8
56.25°	26.5	26.6	26.7	26.7	26.7	26.7	26.8	26.7	26.7	26.7	26.7
55°	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.5	27.5
53.75°	28.1	28.1	28.2	28.2	28.2	28.2	28.3	28.2	28.2	28.2	28.2
52.5°	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.8
51.25°	29.3	29.4	29.5	29.5	29.5	29.5	29.6	29.5	29.5	29.5	29.5
50°	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.1	30.1
48.75°	30.5	30.5	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.6	30.6
47.5°	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.0
46.25°	31.3	31.3	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
45°	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
43.75°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
42.5°	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3
41.25°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
40°	33.5	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.7	33.7
38.75°	34.6	34.8	35.0	35.1	35.2	35.3	35.3	35.3	35.2	35.1	35.0
37.5°	36.0	36.3	36.5	36.6	36.7	36.8	36.8	36.8	36.7	36.6	36.5
36.25°	38.7	39.4	40.0	40.4	40.7	40.9	41.0	40.9	40.7	40.4	40.0
35°	42.8	43.5	44.1	44.5	44.8	45.0	45.1	45.0	44.8	44.5	44.1

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	48.6	50.1	51.3	52.2	52.9	53.3	53.5	53.3	52.9	52.2	51.3
32.5°	56.7	58.3	59.5	60.5	61.2	61.7	61.8	61.7	61.2	60.5	59.5
31.25°	65.4	67.3	68.8	70.1	70.9	71.5	71.7	71.5	70.9	70.1	68.8
30°	74.9	76.9	78.5	79.8	80.8	81.3	81.5	81.3	80.8	79.8	78.5
28.75°	85.6	88.5	90.9	93.2	96.1	97.9	98.5	97.9	96.1	93.2	90.9
27.5°	106.3	113.1	120.5	129.0	135.1	138.8	140.1	138.8	135.1	129.0	120.5
26.25°	152.8	168.1	184.5	197.4	206.7	212.3	214.1	212.3	206.7	197.4	184.5
25°	228.9	253.9	275.0	291.5	303.4	310.6	313.0	310.6	303.4	291.5	275.0
23.75°	328.0	358.9	384.5	404.6	420.5	430.2	433.5	430.2	420.5	404.6	384.5
22.5°	443.5	480.0	510.2	535.1	553.1	564.0	567.7	564.0	553.1	535.1	510.2
21.25°	570.2	610.8	644.1	670.0	688.7	700.0	703.8	700.0	688.7	670.0	644.1
20°	697.7	739.2	771.8	797.5	816.1	827.3	831.1	827.3	816.1	797.5	771.8
18.75°	816.6	859.8	896.4	925.3	946.5	959.6	964.0	959.6	946.5	925.3	896.4
17.5°	937.5	985.9	1026.4	1058.7	1082.4	1096.7	1101.6	1096.7	1082.4	1058.7	1026.4
16.25°	1062.1	1114.9	1159.1	1193.2	1218.0	1233.0	1238.1	1233.0	1218.0	1193.2	1159.1
15°	1186.1	1241.0	1286.2	1321.3	1346.9	1362.4	1367.6	1362.4	1346.9	1321.3	1286.2
13.75°	1303.2	1359.5	1404.6	1440.3	1466.2	1481.0	1486.0	1481.0	1466.2	1440.3	1404.6
12.5°	1411.1	1467.8	1512.9	1549.3	1574.8	1590.3	1595.6	1590.3	1574.8	1549.3	1512.9
11.25°	1508.8	1565.8	1612.7	1649.8	1675.7	1691.5	1696.9	1691.5	1675.7	1649.8	1612.7
10°	1597.5	1655.7	1703.3	1741.1	1768.9	1786.1	1791.9	1786.1	1768.9	1741.1	1703.3
8.75°	1676.9	1736.2	1786.8	1826.2	1855.6	1872.5	1878.0	1872.5	1855.6	1826.2	1786.8
7.5°	1747.3	1809.5	1862.1	1900.8	1929.6	1946.1	1951.7	1946.1	1929.6	1900.8	1862.1
6.25°	1809.5	1873.0	1924.4	1963.5	1990.7	2006.0	2011.3	2006.0	1990.7	1963.5	1924.4
5°	1862.1	1924.4	1975.5	2011.4	2035.5	2049.8	2054.9	2049.8	2035.5	2011.4	1975.5
3.75°	1900.8	1963.5	2011.4	2045.0	2067.1	2080.2	2083.1	2080.2	2067.1	2045.0	2011.4
2.5°	1929.6	1990.7	2035.5	2067.1	2086.2	2095.2	2097.0	2095.2	2086.2	2067.1	2035.5
1.25°	1946.1	2006.0	2049.8	2080.2	2095.2	2101.6	2105.0	2101.6	2095.2	2080.2	2049.8
0°	1951.7	2011.3	2054.9	2083.1	2097.0	2105.0	2112.8	2105.0	2097.0	2083.1	2054.9
-1.25°	1946.1	2006.0	2049.8	2080.2	2095.2	2101.6	2105.0	2101.6	2095.2	2080.2	2049.8
-2.5°	1929.6	1990.7	2035.5	2067.1	2086.2	2095.2	2097.0	2095.2	2086.2	2067.1	2035.5
-3.75°	1900.8	1963.5	2011.4	2045.0	2067.1	2080.2	2083.1	2080.2	2067.1	2045.0	2011.4
-5°	1862.1	1924.4	1975.5	2011.4	2035.5	2049.8	2054.9	2049.8	2035.5	2011.4	1975.5
-6.25°	1809.5	1873.0	1924.4	1963.5	1990.7	2006.0	2011.3	2006.0	1990.7	1963.5	1924.4
-7.5°	1747.3	1809.5	1862.1	1900.8	1929.6	1946.1	1951.7	1946.1	1929.6	1900.8	1862.1
-8.75°	1676.9	1736.2	1786.8	1826.2	1855.6	1872.5	1878.0	1872.5	1855.6	1826.2	1786.8
-10°	1597.5	1655.7	1703.3	1741.1	1768.9	1786.1	1791.9	1786.1	1768.9	1741.1	1703.3
-11.25°	1508.8	1565.8	1612.7	1649.8	1675.7	1691.5	1696.9	1691.5	1675.7	1649.8	1612.7
-12.5°	1411.1	1467.8	1512.9	1549.3	1574.8	1590.3	1595.6	1590.3	1574.8	1549.3	1512.9
-13.75°	1303.2	1359.5	1404.6	1440.3	1466.2	1481.0	1486.0	1481.0	1466.2	1440.3	1404.6
-15°	1186.1	1241.0	1286.2	1321.3	1346.9	1362.4	1367.6	1362.4	1346.9	1321.3	1286.2
-16.25°	1062.1	1114.9	1159.1	1193.2	1218.0	1233.0	1238.1	1233.0	1218.0	1193.2	1159.1
-17.5°	937.5	985.9	1026.4	1058.7	1082.4	1096.7	1101.6	1096.7	1082.4	1058.7	1026.4
-18.75°	816.6	859.8	896.4	925.3	946.5	959.6	964.0	959.6	946.5	925.3	896.4
-20°	697.7	739.2	771.8	797.5	816.1	827.3	831.1	827.3	816.1	797.5	771.8
-21.25°	570.2	610.8	644.1	670.0	688.7	700.0	703.8	700.0	688.7	670.0	644.1



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	443.5	480.0	510.2	535.1	553.1	564.0	567.7	564.0	553.1	535.1	510.2
-23.75°	328.0	358.9	384.5	404.6	420.5	430.2	433.5	430.2	420.5	404.6	384.5
-25°	228.9	253.9	275.0	291.5	303.4	310.6	313.0	310.6	303.4	291.5	275.0
-26.25°	152.8	168.1	184.5	197.4	206.7	212.3	214.1	212.3	206.7	197.4	184.5
-27.5°	106.3	113.1	120.5	129.0	135.1	138.8	140.1	138.8	135.1	129.0	120.5
-28.75°	85.6	88.5	90.9	93.2	96.1	97.9	98.5	97.9	96.1	93.2	90.9
-30°	74.9	76.9	78.5	79.8	80.8	81.3	81.5	81.3	80.8	79.8	78.5
-31.25°	65.4	67.3	68.8	70.1	70.9	71.5	71.7	71.5	70.9	70.1	68.8
-32.5°	56.7	58.3	59.5	60.5	61.2	61.7	61.8	61.7	61.2	60.5	59.5
-33.75°	48.6	50.1	51.3	52.2	52.9	53.3	53.5	53.3	52.9	52.2	51.3
-35°	42.8	43.5	44.1	44.5	44.8	45.0	45.1	45.0	44.8	44.5	44.1
-36.25°	38.7	39.4	40.0	40.4	40.7	40.9	41.0	40.9	40.7	40.4	40.0
-37.5°	36.0	36.3	36.5	36.6	36.7	36.8	36.8	36.8	36.7	36.6	36.5
-38.75°	34.6	34.8	35.0	35.1	35.2	35.3	35.3	35.3	35.2	35.1	35.0
-40°	33.5	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.7	33.7
-41.25°	32.8	32.9	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.0	33.0
-42.5°	32.2	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.3
-43.75°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
-45°	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
-46.25°	31.3	31.3	31.3	31.3	31.3	31.3	31.4	31.3	31.3	31.3	31.3
-47.5°	30.9	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.0
-48.75°	30.5	30.5	30.6	30.6	30.6	30.6	30.7	30.6	30.6	30.6	30.6
-50°	30.0	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.1	30.1
-51.25°	29.3	29.4	29.5	29.5	29.5	29.5	29.6	29.5	29.5	29.5	29.5
-52.5°	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.8
-53.75°	28.1	28.1	28.2	28.2	28.2	28.2	28.3	28.2	28.2	28.2	28.2
-55°	27.4	27.4	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.5	27.5
-56.25°	26.5	26.6	26.7	26.7	26.7	26.7	26.8	26.7	26.7	26.7	26.7
-57.5°	25.6	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8	25.8
-58.75°	24.5	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7
-60°	23.5	23.5	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.6
-61.25°	22.4	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
-62.5°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
-63.75°	19.7	19.7	19.8	19.9	19.9	19.9	20.0	19.9	19.9	19.9	19.8
-65°	18.1	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.3	18.3
-66.25°	16.6	16.7	16.7	16.8	16.8	16.8	16.9	16.8	16.8	16.8	16.7
-67.5°	15.1	15.2	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.2	15.2
-68.75°	13.8	13.9	13.9	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.9
-70°	12.5	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.6
-71.25°	11.5	11.5	11.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.5
-72.5°	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
-73.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6	9.6	9.6
-75°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-76.25°	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.3	8.3	8.3	8.3
-77.5°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.2
-80°	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
-81.25°	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
-82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-83.75°	3.9	3.9	3.9	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9
-85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
-86.25°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
86.25°	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
85°	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
83.75°	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7
82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
81.25°	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4
80°	6.6	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.3	6.2
78.75°	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9
77.5°	7.9	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5
76.25°	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.1	8.1	8.1
75°	8.8	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5
73.75°	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.0
72.5°	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0	9.9	9.8
71.25°	11.5	11.5	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.7
70°	12.6	12.5	12.5	12.4	12.3	12.3	12.2	12.1	12.0	11.9	11.7
68.75°	13.9	13.8	13.7	13.6	13.6	13.5	13.3	13.2	13.1	12.9	12.8
67.5°	15.2	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
66.25°	16.7	16.6	16.5	16.4	16.3	16.1	16.0	15.8	15.6	15.4	15.2
65°	18.2	18.1	18.0	17.9	17.8	17.6	17.5	17.3	17.1	16.9	16.7
63.75°	19.7	19.7	19.5	19.4	19.3	19.1	18.9	18.8	18.6	18.3	18.1
62.5°	21.3	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.8	19.6
61.25°	22.4	22.4	22.3	22.2	22.1	21.9	21.8	21.7	21.5	21.3	21.0
60°	23.5	23.5	23.4	23.3	23.1	23.0	22.9	22.7	22.5	22.4	22.2
58.75°	24.6	24.5	24.4	24.3	24.2	24.1	23.9	23.8	23.6	23.4	23.2
57.5°	25.7	25.6	25.5	25.4	25.3	25.1	25.0	24.8	24.6	24.4	24.2
56.25°	26.6	26.5	26.4	26.4	26.3	26.1	26.0	25.9	25.7	25.5	25.2
55°	27.4	27.4	27.3	27.2	27.1	27.0	26.8	26.7	26.5	26.4	26.2
53.75°	28.1	28.1	28.0	27.9	27.8	27.7	27.6	27.5	27.3	27.1	27.0
52.5°	28.8	28.7	28.6	28.6	28.5	28.4	28.3	28.1	28.0	27.9	27.7
51.25°	29.4	29.3	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.5	28.3
50°	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.2	29.1	28.9
48.75°	30.5	30.5	30.4	30.4	30.3	30.2	30.1	30.0	29.8	29.7	29.5
47.5°	31.0	30.9	30.9	30.8	30.7	30.7	30.6	30.5	30.4	30.2	30.1
46.25°	31.3	31.3	31.2	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.5
45°	31.5	31.5	31.5	31.4	31.4	31.3	31.3	31.2	31.2	31.1	30.9
43.75°	31.9	31.8	31.8	31.7	31.6	31.6	31.5	31.4	31.4	31.3	31.2
42.5°	32.3	32.2	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.5
41.25°	32.9	32.8	32.7	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.7
40°	33.6	33.5	33.4	33.2	33.1	32.9	32.7	32.5	32.4	32.2	32.1
38.75°	34.8	34.6	34.3	34.0	33.7	33.6	33.4	33.2	32.9	32.7	32.5
37.5°	36.3	36.0	35.8	35.5	35.1	34.7	34.3	33.8	33.6	33.3	33.1
36.25°	39.4	38.7	38.0	37.1	36.5	36.1	35.7	35.2	34.7	34.1	33.7
35°	43.5	42.8	42.0	41.0	40.0	38.8	37.5	36.6	36.0	35.4	34.8



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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°	50.1	48.6	46.9	45.0	43.9	42.7	41.3	39.9	38.3	36.8	36.1
32.5°	58.3	56.7	54.9	52.8	50.5	47.9	45.1	43.6	42.0	40.3	38.5
31.25°	67.3	65.4	63.1	60.8	58.3	55.6	52.7	49.6	46.2	43.8	41.9
30°	76.9	74.9	72.6	69.9	66.9	63.6	60.2	57.0	53.4	49.7	45.7
28.75°	88.5	85.6	82.1	79.1	76.0	72.6	68.8	64.7	60.6	56.7	52.6
27.5°	113.1	106.3	98.4	91.1	86.5	81.5	77.5	73.3	68.8	64.0	59.4
26.25°	168.1	152.8	136.7	118.3	106.9	95.3	88.0	81.9	77.0	72.0	66.8
25°	253.9	228.9	204.4	176.6	151.0	127.4	109.0	94.8	86.7	80.0	74.5
23.75°	358.9	328.0	294.7	259.2	221.6	185.8	152.1	123.3	104.3	90.3	82.4
22.5°	480.0	443.5	401.7	358.6	311.0	265.4	218.8	175.4	139.8	111.2	93.2
21.25°	610.8	570.2	523.0	471.7	415.4	359.5	301.8	246.7	195.9	150.9	115.4
20°	739.2	697.7	649.0	593.2	530.8	465.2	396.8	330.5	267.3	208.3	156.5
18.75°	859.8	816.6	768.4	712.9	648.6	577.7	501.4	423.8	348.9	277.7	212.4
17.5°	985.9	937.5	883.5	823.3	760.0	688.5	609.4	524.0	438.1	355.1	277.7
16.25°	1114.9	1062.1	1002.2	935.7	865.2	791.1	712.8	625.4	531.8	438.1	348.9
15°	1241.0	1186.1	1122.2	1049.9	972.5	890.9	806.9	720.9	625.4	524.0	423.8
13.75°	1359.5	1303.2	1237.8	1163.1	1079.6	991.2	899.6	806.9	712.8	609.4	501.4
12.5°	1467.8	1411.1	1345.2	1269.3	1183.4	1089.6	991.2	890.9	791.1	688.5	577.7
11.25°	1565.8	1508.8	1442.7	1366.7	1279.5	1183.4	1079.6	972.5	865.2	760.0	648.6
10°	1655.7	1597.5	1529.9	1453.4	1366.7	1269.3	1163.1	1049.9	935.7	823.3	712.9
8.75°	1736.2	1676.9	1608.3	1529.9	1442.7	1345.2	1237.8	1122.2	1002.2	883.5	768.4
7.5°	1809.5	1747.3	1676.9	1597.5	1508.8	1411.1	1303.2	1186.1	1062.1	937.5	816.6
6.25°	1873.0	1809.5	1736.2	1655.7	1565.8	1467.8	1359.5	1241.0	1114.9	985.9	859.8
5°	1924.4	1862.1	1786.8	1703.3	1612.7	1512.9	1404.6	1286.2	1159.1	1026.4	896.4
3.75°	1963.5	1900.8	1826.2	1741.1	1649.8	1549.3	1440.3	1321.3	1193.2	1058.7	925.3
2.5°	1990.7	1929.6	1855.6	1768.9	1675.7	1574.8	1466.2	1346.9	1218.0	1082.4	946.5
1.25°	2006.0	1946.1	1872.5	1786.1	1691.5	1590.3	1481.0	1362.4	1233.0	1096.7	959.6
0°	2011.3	1951.7	1878.0	1791.9	1696.9	1595.6	1486.0	1367.6	1238.1	1101.6	964.0
-1.25°	2006.0	1946.1	1872.5	1786.1	1691.5	1590.3	1481.0	1362.4	1233.0	1096.7	959.6
-2.5°	1990.7	1929.6	1855.6	1768.9	1675.7	1574.8	1466.2	1346.9	1218.0	1082.4	946.5
-3.75°	1963.5	1900.8	1826.2	1741.1	1649.8	1549.3	1440.3	1321.3	1193.2	1058.7	925.3
-5°	1924.4	1862.1	1786.8	1703.3	1612.7	1512.9	1404.6	1286.2	1159.1	1026.4	896.4
-6.25°	1873.0	1809.5	1736.2	1655.7	1565.8	1467.8	1359.5	1241.0	1114.9	985.9	859.8
-7.5°	1809.5	1747.3	1676.9	1597.5	1508.8	1411.1	1303.2	1186.1	1062.1	937.5	816.6
-8.75°	1736.2	1676.9	1608.3	1529.9	1442.7	1345.2	1237.8	1122.2	1002.2	883.5	768.4
-10°	1655.7	1597.5	1529.9	1453.4	1366.7	1269.3	1163.1	1049.9	935.7	823.3	712.9
-11.25°	1565.8	1508.8	1442.7	1366.7	1279.5	1183.4	1079.6	972.5	865.2	760.0	648.6
-12.5°	1467.8	1411.1	1345.2	1269.3	1183.4	1089.6	991.2	890.9	791.1	688.5	577.7
-13.75°	1359.5	1303.2	1237.8	1163.1	1079.6	991.2	899.6	806.9	712.8	609.4	501.4
-15°	1241.0	1186.1	1122.2	1049.9	972.5	890.9	806.9	720.9	625.4	524.0	423.8
-16.25°	1114.9	1062.1	1002.2	935.7	865.2	791.1	712.8	625.4	531.8	438.1	348.9
-17.5°	985.9	937.5	883.5	823.3	760.0	688.5	609.4	524.0	438.1	355.1	277.7
-18.75°	859.8	816.6	768.4	712.9	648.6	577.7	501.4	423.8	348.9	277.7	212.4
-20°	739.2	697.7	649.0	593.2	530.8	465.2	396.8	330.5	267.3	208.3	156.5
-21.25°	610.8	570.2	523.0	471.7	415.4	359.5	301.8	246.7	195.9	150.9	115.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	480.0	443.5	401.7	358.6	311.0	265.4	218.8	175.4	139.8	111.2	93.2
-23.75°	358.9	328.0	294.7	259.2	221.6	185.8	152.1	123.3	104.3	90.3	82.4
-25°	253.9	228.9	204.4	176.6	151.0	127.4	109.0	94.8	86.7	80.0	74.5
-26.25°	168.1	152.8	136.7	118.3	106.9	95.3	88.0	81.9	77.0	72.0	66.8
-27.5°	113.1	106.3	98.4	91.1	86.5	81.5	77.5	73.3	68.8	64.0	59.4
-28.75°	88.5	85.6	82.1	79.1	76.0	72.6	68.8	64.7	60.6	56.7	52.6
-30°	76.9	74.9	72.6	69.9	66.9	63.6	60.2	57.0	53.4	49.7	45.7
-31.25°	67.3	65.4	63.1	60.8	58.3	55.6	52.7	49.6	46.2	43.8	41.9
-32.5°	58.3	56.7	54.9	52.8	50.5	47.9	45.1	43.6	42.0	40.3	38.5
-33.75°	50.1	48.6	46.9	45.0	43.9	42.7	41.3	39.9	38.3	36.8	36.1
-35°	43.5	42.8	42.0	41.0	40.0	38.8	37.5	36.6	36.0	35.4	34.8
-36.25°	39.4	38.7	38.0	37.1	36.5	36.1	35.7	35.2	34.7	34.1	33.7
-37.5°	36.3	36.0	35.8	35.5	35.1	34.7	34.3	33.8	33.6	33.3	33.1
-38.75°	34.8	34.6	34.3	34.0	33.7	33.6	33.4	33.2	32.9	32.7	32.5
-40°	33.6	33.5	33.4	33.2	33.1	32.9	32.7	32.5	32.4	32.2	32.1
-41.25°	32.9	32.8	32.7	32.5	32.4	32.3	32.2	32.1	32.0	31.9	31.7
-42.5°	32.3	32.2	32.2	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.5
-43.75°	31.9	31.8	31.8	31.7	31.6	31.6	31.5	31.4	31.4	31.3	31.2
-45°	31.5	31.5	31.5	31.4	31.4	31.3	31.3	31.2	31.2	31.1	30.9
-46.25°	31.3	31.3	31.2	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.5
-47.5°	31.0	30.9	30.9	30.8	30.7	30.7	30.6	30.5	30.4	30.2	30.1
-48.75°	30.5	30.5	30.4	30.4	30.3	30.2	30.1	30.0	29.8	29.7	29.5
-50°	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.2	29.1	28.9
-51.25°	29.4	29.3	29.3	29.2	29.1	29.0	28.9	28.7	28.6	28.5	28.3
-52.5°	28.8	28.7	28.6	28.6	28.5	28.4	28.3	28.1	28.0	27.9	27.7
-53.75°	28.1	28.1	28.0	27.9	27.8	27.7	27.6	27.5	27.3	27.1	27.0
-55°	27.4	27.4	27.3	27.2	27.1	27.0	26.8	26.7	26.5	26.4	26.2
-56.25°	26.6	26.5	26.4	26.4	26.3	26.1	26.0	25.9	25.7	25.5	25.2
-57.5°	25.7	25.6	25.5	25.4	25.3	25.1	25.0	24.8	24.6	24.4	24.2
-58.75°	24.6	24.5	24.4	24.3	24.2	24.1	23.9	23.8	23.6	23.4	23.2
-60°	23.5	23.5	23.4	23.3	23.1	23.0	22.9	22.7	22.5	22.4	22.2
-61.25°	22.4	22.4	22.3	22.2	22.1	21.9	21.8	21.7	21.5	21.3	21.0
-62.5°	21.3	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.8	19.6
-63.75°	19.7	19.7	19.5	19.4	19.3	19.1	18.9	18.8	18.6	18.3	18.1
-65°	18.2	18.1	18.0	17.9	17.8	17.6	17.5	17.3	17.1	16.9	16.7
-66.25°	16.7	16.6	16.5	16.4	16.3	16.1	16.0	15.8	15.6	15.4	15.2
-67.5°	15.2	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.3	14.2	14.0
-68.75°	13.9	13.8	13.7	13.6	13.6	13.5	13.3	13.2	13.1	12.9	12.8
-70°	12.6	12.5	12.5	12.4	12.3	12.3	12.2	12.1	12.0	11.9	11.7
-71.25°	11.5	11.5	11.4	11.3	11.3	11.2	11.1	11.0	10.9	10.8	10.7
-72.5°	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0	9.9	9.8
-73.75°	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.0
-75°	8.8	8.8	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5
-76.25°	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2	8.1	8.1	8.1
-77.5°	7.9	7.8	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.0	7.0	7.0	6.9
-80°	6.6	6.5	6.5	6.5	6.5	6.4	6.4	6.4	6.3	6.3	6.2
-81.25°	5.7	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4
-82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
-83.75°	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7
-85°	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
-86.25°	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
86.25°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
85°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5
83.75°	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
82.5°	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
81.25°	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.7
80°	6.2	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.5
78.75°	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2
77.5°	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.0	6.9	6.9
76.25°	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4
75°	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	7.9
73.75°	9.0	8.9	8.8	8.7	8.7	8.6	8.6	8.5	8.4	8.4	8.3
72.5°	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.8	8.7
71.25°	10.6	10.5	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.4	9.3
70°	11.6	11.5	11.3	11.2	11.0	10.8	10.6	10.5	10.3	10.2	10.0
68.75°	12.6	12.5	12.3	12.1	12.0	11.8	11.6	11.4	11.2	11.0	10.8
67.5°	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.1	11.9	11.7
66.25°	15.0	14.8	14.6	14.4	14.2	13.9	13.7	13.4	13.1	12.8	12.6
65°	16.4	16.2	15.9	15.6	15.3	15.1	14.8	14.5	14.2	13.9	13.6
63.75°	17.9	17.6	17.3	17.0	16.7	16.4	16.0	15.7	15.3	15.0	14.7
62.5°	19.3	19.0	18.7	18.4	18.1	17.7	17.4	17.0	16.6	16.2	15.8
61.25°	20.7	20.4	20.1	19.8	19.4	19.1	18.7	18.3	17.9	17.5	17.1
60°	22.0	21.7	21.5	21.2	20.8	20.4	20.0	19.6	19.2	18.8	18.3
58.75°	23.0	22.7	22.5	22.2	22.0	21.7	21.4	20.9	20.5	20.0	19.6
57.5°	24.0	23.7	23.5	23.2	22.9	22.7	22.3	22.0	21.7	21.3	20.8
56.25°	25.0	24.7	24.5	24.2	23.9	23.6	23.3	23.0	22.6	22.3	21.9
55°	26.0	25.7	25.5	25.2	24.9	24.5	24.2	23.9	23.5	23.1	22.8
53.75°	26.8	26.5	26.3	26.1	25.8	25.5	25.1	24.8	24.4	24.0	23.6
52.5°	27.5	27.3	27.1	26.8	26.6	26.3	26.0	25.7	25.3	24.9	24.5
51.25°	28.1	28.0	27.8	27.6	27.3	27.0	26.7	26.4	26.1	25.8	25.3
50°	28.7	28.5	28.3	28.1	27.9	27.7	27.4	27.1	26.8	26.5	26.1
48.75°	29.3	29.1	28.9	28.7	28.5	28.3	28.0	27.8	27.5	27.1	26.8
47.5°	29.9	29.7	29.5	29.3	29.0	28.8	28.5	28.3	28.0	27.7	27.4
46.25°	30.4	30.2	30.0	29.8	29.6	29.3	29.1	28.8	28.5	28.2	28.0
45°	30.8	30.6	30.5	30.3	30.1	29.9	29.6	29.3	29.0	28.7	28.4
43.75°	31.1	31.0	30.9	30.7	30.5	30.3	30.1	29.8	29.5	29.2	28.9
42.5°	31.4	31.3	31.2	31.1	30.9	30.7	30.5	30.3	30.0	29.7	29.4
41.25°	31.6	31.5	31.4	31.3	31.2	31.1	30.9	30.6	30.4	30.2	29.9
40°	31.9	31.8	31.6	31.5	31.4	31.3	31.2	31.0	30.8	30.5	30.3
38.75°	32.3	32.1	32.0	31.8	31.6	31.5	31.4	31.2	31.1	30.9	30.6
37.5°	32.8	32.5	32.3	32.1	31.9	31.7	31.5	31.4	31.3	31.1	30.9
36.25°	33.4	33.1	32.8	32.4	32.2	32.0	31.8	31.6	31.5	31.3	31.2
35°	34.2	33.7	33.3	33.0	32.6	32.3	32.1	31.9	31.7	31.5	31.3



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	35.5	34.8	34.0	33.6	33.2	32.8	32.4	32.2	31.9	31.7	31.5
32.5°	36.7	36.0	35.2	34.4	33.7	33.3	32.9	32.5	32.2	32.0	31.7
31.25°	40.0	37.9	36.4	35.6	34.7	33.9	33.4	33.0	32.5	32.2	32.0
30°	43.3	41.2	38.9	36.7	35.9	35.0	34.0	33.5	33.0	32.5	32.2
28.75°	48.3	44.4	42.1	39.7	37.2	36.0	35.1	34.1	33.5	33.0	32.5
27.5°	54.9	50.2	45.3	42.7	40.1	37.5	36.1	35.1	34.0	33.4	32.9
26.25°	61.4	56.5	51.5	46.3	43.0	40.3	37.5	36.0	35.0	33.9	33.3
25°	68.8	62.9	57.5	52.1	46.6	43.0	40.1	37.2	35.9	34.7	33.7
23.75°	76.2	70.1	63.7	57.8	52.1	46.3	42.7	39.7	36.7	35.6	34.4
22.5°	84.2	77.1	70.5	63.7	57.5	51.5	45.3	42.1	38.9	36.4	35.2
21.25°	95.9	84.8	77.1	70.1	62.9	56.5	50.2	44.4	41.2	37.9	36.0
20°	117.0	95.9	84.2	76.2	68.8	61.4	54.9	48.3	43.3	40.0	36.7
18.75°	156.5	115.4	93.2	82.4	74.5	66.8	59.4	52.6	45.7	41.9	38.5
17.5°	208.3	150.9	111.2	90.3	80.0	72.0	64.0	56.7	49.7	43.8	40.3
16.25°	267.3	195.9	139.8	104.3	86.7	77.0	68.8	60.6	53.4	46.2	42.0
15°	330.5	246.7	175.4	123.3	94.8	81.9	73.3	64.7	57.0	49.6	43.6
13.75°	396.8	301.8	218.8	152.1	109.0	88.0	77.5	68.8	60.2	52.7	45.1
12.5°	465.2	359.5	265.4	185.8	127.4	95.3	81.5	72.6	63.6	55.6	47.9
11.25°	530.8	415.4	311.0	221.6	151.0	106.9	86.5	76.0	66.9	58.3	50.5
10°	593.2	471.7	358.6	259.2	176.6	118.3	91.1	79.1	69.9	60.8	52.8
8.75°	649.0	523.0	401.7	294.7	204.4	136.7	98.4	82.1	72.6	63.1	54.9
7.5°	697.7	570.2	443.5	328.0	228.9	152.8	106.3	85.6	74.9	65.4	56.7
6.25°	739.2	610.8	480.0	358.9	253.9	168.1	113.1	88.5	76.9	67.3	58.3
5°	771.8	644.1	510.2	384.5	275.0	184.5	120.5	90.9	78.5	68.8	59.5
3.75°	797.5	670.0	535.1	404.6	291.5	197.4	129.0	93.2	79.8	70.1	60.5
2.5°	816.1	688.7	553.1	420.5	303.4	206.7	135.1	96.1	80.8	70.9	61.2
1.25°	827.3	700.0	564.0	430.2	310.6	212.3	138.8	97.9	81.3	71.5	61.7
0°	831.1	703.8	567.7	433.5	313.0	214.1	140.1	98.5	81.5	71.7	61.8
-1.25°	827.3	700.0	564.0	430.2	310.6	212.3	138.8	97.9	81.3	71.5	61.7
-2.5°	816.1	688.7	553.1	420.5	303.4	206.7	135.1	96.1	80.8	70.9	61.2
-3.75°	797.5	670.0	535.1	404.6	291.5	197.4	129.0	93.2	79.8	70.1	60.5
-5°	771.8	644.1	510.2	384.5	275.0	184.5	120.5	90.9	78.5	68.8	59.5
-6.25°	739.2	610.8	480.0	358.9	253.9	168.1	113.1	88.5	76.9	67.3	58.3
-7.5°	697.7	570.2	443.5	328.0	228.9	152.8	106.3	85.6	74.9	65.4	56.7
-8.75°	649.0	523.0	401.7	294.7	204.4	136.7	98.4	82.1	72.6	63.1	54.9
-10°	593.2	471.7	358.6	259.2	176.6	118.3	91.1	79.1	69.9	60.8	52.8
-11.25°	530.8	415.4	311.0	221.6	151.0	106.9	86.5	76.0	66.9	58.3	50.5
-12.5°	465.2	359.5	265.4	185.8	127.4	95.3	81.5	72.6	63.6	55.6	47.9
-13.75°	396.8	301.8	218.8	152.1	109.0	88.0	77.5	68.8	60.2	52.7	45.1
-15°	330.5	246.7	175.4	123.3	94.8	81.9	73.3	64.7	57.0	49.6	43.6
-16.25°	267.3	195.9	139.8	104.3	86.7	77.0	68.8	60.6	53.4	46.2	42.0
-17.5°	208.3	150.9	111.2	90.3	80.0	72.0	64.0	56.7	49.7	43.8	40.3
-18.75°	156.5	115.4	93.2	82.4	74.5	66.8	59.4	52.6	45.7	41.9	38.5
-20°	117.0	95.9	84.2	76.2	68.8	61.4	54.9	48.3	43.3	40.0	36.7
-21.25°	95.9	84.8	77.1	70.1	62.9	56.5	50.2	44.4	41.2	37.9	36.0



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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°	84.2	77.1	70.5	63.7	57.5	51.5	45.3	42.1	38.9	36.4	35.2
-23.75°	76.2	70.1	63.7	57.8	52.1	46.3	42.7	39.7	36.7	35.6	34.4
-25°	68.8	62.9	57.5	52.1	46.6	43.0	40.1	37.2	35.9	34.7	33.7
-26.25°	61.4	56.5	51.5	46.3	43.0	40.3	37.5	36.0	35.0	33.9	33.3
-27.5°	54.9	50.2	45.3	42.7	40.1	37.5	36.1	35.1	34.0	33.4	32.9
-28.75°	48.3	44.4	42.1	39.7	37.2	36.0	35.1	34.1	33.5	33.0	32.5
-30°	43.3	41.2	38.9	36.7	35.9	35.0	34.0	33.5	33.0	32.5	32.2
-31.25°	40.0	37.9	36.4	35.6	34.7	33.9	33.4	33.0	32.5	32.2	32.0
-32.5°	36.7	36.0	35.2	34.4	33.7	33.3	32.9	32.5	32.2	32.0	31.7
-33.75°	35.5	34.8	34.0	33.6	33.2	32.8	32.4	32.2	31.9	31.7	31.5
-35°	34.2	33.7	33.3	33.0	32.6	32.3	32.1	31.9	31.7	31.5	31.3
-36.25°	33.4	33.1	32.8	32.4	32.2	32.0	31.8	31.6	31.5	31.3	31.2
-37.5°	32.8	32.5	32.3	32.1	31.9	31.7	31.5	31.4	31.3	31.1	30.9
-38.75°	32.3	32.1	32.0	31.8	31.6	31.5	31.4	31.2	31.1	30.9	30.6
-40°	31.9	31.8	31.6	31.5	31.4	31.3	31.2	31.0	30.8	30.5	30.3
-41.25°	31.6	31.5	31.4	31.3	31.2	31.1	30.9	30.6	30.4	30.2	29.9
-42.5°	31.4	31.3	31.2	31.1	30.9	30.7	30.5	30.3	30.0	29.7	29.4
-43.75°	31.1	31.0	30.9	30.7	30.5	30.3	30.1	29.8	29.5	29.2	28.9
-45°	30.8	30.6	30.5	30.3	30.1	29.9	29.6	29.3	29.0	28.7	28.4
-46.25°	30.4	30.2	30.0	29.8	29.6	29.3	29.1	28.8	28.5	28.2	28.0
-47.5°	29.9	29.7	29.5	29.3	29.0	28.8	28.5	28.3	28.0	27.7	27.4
-48.75°	29.3	29.1	28.9	28.7	28.5	28.3	28.0	27.8	27.5	27.1	26.8
-50°	28.7	28.5	28.3	28.1	27.9	27.7	27.4	27.1	26.8	26.5	26.1
-51.25°	28.1	28.0	27.8	27.6	27.3	27.0	26.7	26.4	26.1	25.8	25.3
-52.5°	27.5	27.3	27.1	26.8	26.6	26.3	26.0	25.7	25.3	24.9	24.5
-53.75°	26.8	26.5	26.3	26.1	25.8	25.5	25.1	24.8	24.4	24.0	23.6
-55°	26.0	25.7	25.5	25.2	24.9	24.5	24.2	23.9	23.5	23.1	22.8
-56.25°	25.0	24.7	24.5	24.2	23.9	23.6	23.3	23.0	22.6	22.3	21.9
-57.5°	24.0	23.7	23.5	23.2	22.9	22.7	22.3	22.0	21.7	21.3	20.8
-58.75°	23.0	22.7	22.5	22.2	22.0	21.7	21.4	20.9	20.5	20.0	19.6
-60°	22.0	21.7	21.5	21.2	20.8	20.4	20.0	19.6	19.2	18.8	18.3
-61.25°	20.7	20.4	20.1	19.8	19.4	19.1	18.7	18.3	17.9	17.5	17.1
-62.5°	19.3	19.0	18.7	18.4	18.1	17.7	17.4	17.0	16.6	16.2	15.8
-63.75°	17.9	17.6	17.3	17.0	16.7	16.4	16.0	15.7	15.3	15.0	14.7
-65°	16.4	16.2	15.9	15.6	15.3	15.1	14.8	14.5	14.2	13.9	13.6
-66.25°	15.0	14.8	14.6	14.4	14.2	13.9	13.7	13.4	13.1	12.8	12.6
-67.5°	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.1	11.9	11.7
-68.75°	12.6	12.5	12.3	12.1	12.0	11.8	11.6	11.4	11.2	11.0	10.8
-70°	11.6	11.5	11.3	11.2	11.0	10.8	10.6	10.5	10.3	10.2	10.0
-71.25°	10.6	10.5	10.3	10.2	10.1	10.0	9.9	9.7	9.6	9.4	9.3
-72.5°	9.8	9.7	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.8	8.7
-73.75°	9.0	8.9	8.8	8.7	8.7	8.6	8.6	8.5	8.4	8.4	8.3
-75°	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	7.9
-76.25°	8.0	8.0	8.0	7.9	7.9	7.8	7.7	7.7	7.6	7.5	7.4
-77.5°	7.5	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.0	6.9	6.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2
-80°	6.2	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.5
-81.25°	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.9	4.9	4.8	4.7
-82.5°	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
-83.75°	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3
-85°	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5
-86.25°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
-87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
85°	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0
83.75°	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6
82.5°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.2
81.25°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8
80°	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
78.75°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0
77.5°	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.6
76.25°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2
75°	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.9	6.8
73.75°	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2
72.5°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6
71.25°	9.1	9.0	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
70°	9.8	9.7	9.5	9.3	9.1	8.9	8.8	8.7	8.5	8.4	8.3
68.75°	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.6
67.5°	11.4	11.2	10.9	10.7	10.4	10.2	10.0	9.7	9.5	9.3	9.0
66.25°	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.3	10.1	9.9	9.6
65°	13.3	13.0	12.6	12.3	12.0	11.7	11.4	11.1	10.7	10.4	10.2
63.75°	14.3	14.0	13.6	13.3	12.9	12.5	12.2	11.8	11.5	11.1	10.8
62.5°	15.4	15.0	14.6	14.2	13.9	13.4	13.0	12.6	12.2	11.9	11.5
61.25°	16.6	16.2	15.7	15.2	14.8	14.4	13.9	13.5	13.0	12.6	12.2
60°	17.9	17.4	16.9	16.4	15.9	15.3	14.9	14.4	13.9	13.4	12.9
58.75°	19.1	18.6	18.1	17.5	17.0	16.4	15.9	15.3	14.8	14.3	13.8
57.5°	20.3	19.8	19.2	18.7	18.1	17.5	16.9	16.3	15.7	15.1	14.6
56.25°	21.5	21.0	20.4	19.8	19.2	18.6	18.0	17.4	16.7	16.1	15.4
55°	22.4	22.0	21.5	21.0	20.3	19.7	19.1	18.4	17.8	17.1	16.4
53.75°	23.2	22.8	22.4	21.9	21.5	20.8	20.1	19.4	18.8	18.0	17.3
52.5°	24.1	23.6	23.2	22.7	22.2	21.8	21.2	20.5	19.7	19.0	18.3
51.25°	24.9	24.4	24.0	23.5	23.0	22.5	22.0	21.5	20.7	20.0	19.2
50°	25.7	25.3	24.8	24.3	23.8	23.3	22.7	22.2	21.6	20.9	20.1
48.75°	26.4	26.0	25.6	25.1	24.5	24.0	23.5	22.9	22.3	21.8	21.0
47.5°	27.0	26.6	26.2	25.8	25.3	24.7	24.2	23.6	23.0	22.4	21.8
46.25°	27.7	27.3	26.8	26.4	26.0	25.4	24.9	24.3	23.7	23.1	22.4
45°	28.1	27.8	27.4	27.0	26.6	26.1	25.6	25.0	24.3	23.7	23.1
43.75°	28.6	28.3	27.9	27.6	27.1	26.6	26.2	25.6	25.0	24.3	23.7
42.5°	29.1	28.7	28.4	28.0	27.7	27.2	26.7	26.2	25.6	25.0	24.3
41.25°	29.5	29.2	28.8	28.4	28.1	27.7	27.2	26.7	26.2	25.6	24.9
40°	30.0	29.6	29.2	28.9	28.5	28.1	27.7	27.2	26.6	26.1	25.4
38.75°	30.4	30.0	29.7	29.3	28.9	28.5	28.1	27.7	27.1	26.6	26.0
37.5°	30.7	30.4	30.1	29.7	29.3	28.9	28.4	28.0	27.6	27.0	26.4
36.25°	31.0	30.7	30.4	30.1	29.7	29.2	28.8	28.4	27.9	27.4	26.8
35°	31.2	31.0	30.7	30.4	30.0	29.6	29.2	28.7	28.3	27.8	27.3



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	31.3	31.2	31.0	30.7	30.4	30.0	29.5	29.1	28.6	28.1	27.7
32.5°	31.5	31.3	31.2	30.9	30.6	30.3	29.9	29.4	28.9	28.4	28.0
31.25°	31.7	31.5	31.3	31.1	30.9	30.5	30.2	29.7	29.2	28.7	28.2
30°	31.9	31.7	31.5	31.3	31.1	30.8	30.4	30.0	29.5	29.0	28.5
28.75°	32.2	31.9	31.6	31.4	31.2	31.0	30.6	30.3	29.8	29.3	28.8
27.5°	32.4	32.1	31.8	31.5	31.4	31.2	30.9	30.5	30.1	29.6	29.1
26.25°	32.8	32.3	32.0	31.7	31.5	31.3	31.1	30.7	30.3	29.9	29.3
25°	33.2	32.6	32.2	31.9	31.6	31.4	31.2	30.9	30.5	30.1	29.6
23.75°	33.6	33.0	32.4	32.1	31.8	31.5	31.3	31.1	30.7	30.3	29.8
22.5°	34.0	33.3	32.8	32.3	32.0	31.6	31.4	31.2	30.9	30.5	30.0
21.25°	34.8	33.7	33.1	32.5	32.1	31.8	31.5	31.3	31.0	30.6	30.2
20°	35.5	34.2	33.4	32.8	32.3	31.9	31.6	31.4	31.1	30.8	30.4
18.75°	36.1	34.8	33.7	33.1	32.5	32.1	31.7	31.5	31.2	30.9	30.5
17.5°	36.8	35.4	34.1	33.3	32.7	32.2	31.9	31.5	31.3	31.1	30.7
16.25°	38.3	36.0	34.7	33.6	32.9	32.4	32.0	31.6	31.4	31.2	30.8
15°	39.9	36.6	35.2	33.8	33.2	32.5	32.1	31.7	31.4	31.2	30.9
13.75°	41.3	37.5	35.7	34.3	33.4	32.7	32.2	31.8	31.5	31.3	31.0
12.5°	42.7	38.8	36.1	34.7	33.6	32.9	32.3	31.9	31.6	31.3	31.1
11.25°	43.9	40.0	36.5	35.1	33.7	33.1	32.4	32.0	31.6	31.4	31.1
10°	45.0	41.0	37.1	35.5	34.0	33.2	32.5	32.1	31.7	31.4	31.2
8.75°	46.9	42.0	38.0	35.8	34.3	33.4	32.7	32.2	31.8	31.5	31.2
7.5°	48.6	42.8	38.7	36.0	34.6	33.5	32.8	32.2	31.8	31.5	31.3
6.25°	50.1	43.5	39.4	36.3	34.8	33.6	32.9	32.3	31.9	31.5	31.3
5°	51.3	44.1	40.0	36.5	35.0	33.7	33.0	32.3	31.9	31.6	31.3
3.75°	52.2	44.5	40.4	36.6	35.1	33.7	33.0	32.4	32.0	31.6	31.3
2.5°	52.9	44.8	40.7	36.7	35.2	33.8	33.1	32.4	32.0	31.6	31.3
1.25°	53.3	45.0	40.9	36.8	35.3	33.8	33.1	32.4	32.0	31.6	31.3
0°	53.5	45.1	41.0	36.8	35.3	33.8	33.1	32.4	32.0	31.6	31.4
-1.25°	53.3	45.0	40.9	36.8	35.3	33.8	33.1	32.4	32.0	31.6	31.3
-2.5°	52.9	44.8	40.7	36.7	35.2	33.8	33.1	32.4	32.0	31.6	31.3
-3.75°	52.2	44.5	40.4	36.6	35.1	33.7	33.0	32.4	32.0	31.6	31.3
-5°	51.3	44.1	40.0	36.5	35.0	33.7	33.0	32.3	31.9	31.6	31.3
-6.25°	50.1	43.5	39.4	36.3	34.8	33.6	32.9	32.3	31.9	31.5	31.3
-7.5°	48.6	42.8	38.7	36.0	34.6	33.5	32.8	32.2	31.8	31.5	31.3
-8.75°	46.9	42.0	38.0	35.8	34.3	33.4	32.7	32.2	31.8	31.5	31.2
-10°	45.0	41.0	37.1	35.5	34.0	33.2	32.5	32.1	31.7	31.4	31.2
-11.25°	43.9	40.0	36.5	35.1	33.7	33.1	32.4	32.0	31.6	31.4	31.1
-12.5°	42.7	38.8	36.1	34.7	33.6	32.9	32.3	31.9	31.6	31.3	31.1
-13.75°	41.3	37.5	35.7	34.3	33.4	32.7	32.2	31.8	31.5	31.3	31.0
-15°	39.9	36.6	35.2	33.8	33.2	32.5	32.1	31.7	31.4	31.2	30.9
-16.25°	38.3	36.0	34.7	33.6	32.9	32.4	32.0	31.6	31.4	31.2	30.8
-17.5°	36.8	35.4	34.1	33.3	32.7	32.2	31.9	31.5	31.3	31.1	30.7
-18.75°	36.1	34.8	33.7	33.1	32.5	32.1	31.7	31.5	31.2	30.9	30.5
-20°	35.5	34.2	33.4	32.8	32.3	31.9	31.6	31.4	31.1	30.8	30.4
-21.25°	34.8	33.7	33.1	32.5	32.1	31.8	31.5	31.3	31.0	30.6	30.2



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	34.0	33.3	32.8	32.3	32.0	31.6	31.4	31.2	30.9	30.5	30.0
-23.75°	33.6	33.0	32.4	32.1	31.8	31.5	31.3	31.1	30.7	30.3	29.8
-25°	33.2	32.6	32.2	31.9	31.6	31.4	31.2	30.9	30.5	30.1	29.6
-26.25°	32.8	32.3	32.0	31.7	31.5	31.3	31.1	30.7	30.3	29.9	29.3
-27.5°	32.4	32.1	31.8	31.5	31.4	31.2	30.9	30.5	30.1	29.6	29.1
-28.75°	32.2	31.9	31.6	31.4	31.2	31.0	30.6	30.3	29.8	29.3	28.8
-30°	31.9	31.7	31.5	31.3	31.1	30.8	30.4	30.0	29.5	29.0	28.5
-31.25°	31.7	31.5	31.3	31.1	30.9	30.5	30.2	29.7	29.2	28.7	28.2
-32.5°	31.5	31.3	31.2	30.9	30.6	30.3	29.9	29.4	28.9	28.4	28.0
-33.75°	31.3	31.2	31.0	30.7	30.4	30.0	29.5	29.1	28.6	28.1	27.7
-35°	31.2	31.0	30.7	30.4	30.0	29.6	29.2	28.7	28.3	27.8	27.3
-36.25°	31.0	30.7	30.4	30.1	29.7	29.2	28.8	28.4	27.9	27.4	26.8
-37.5°	30.7	30.4	30.1	29.7	29.3	28.9	28.4	28.0	27.6	27.0	26.4
-38.75°	30.4	30.0	29.7	29.3	28.9	28.5	28.1	27.7	27.1	26.6	26.0
-40°	30.0	29.6	29.2	28.9	28.5	28.1	27.7	27.2	26.6	26.1	25.4
-41.25°	29.5	29.2	28.8	28.4	28.1	27.7	27.2	26.7	26.2	25.6	24.9
-42.5°	29.1	28.7	28.4	28.0	27.7	27.2	26.7	26.2	25.6	25.0	24.3
-43.75°	28.6	28.3	27.9	27.6	27.1	26.6	26.2	25.6	25.0	24.3	23.7
-45°	28.1	27.8	27.4	27.0	26.6	26.1	25.6	25.0	24.3	23.7	23.1
-46.25°	27.7	27.3	26.8	26.4	26.0	25.4	24.9	24.3	23.7	23.1	22.4
-47.5°	27.0	26.6	26.2	25.8	25.3	24.7	24.2	23.6	23.0	22.4	21.8
-48.75°	26.4	26.0	25.6	25.1	24.5	24.0	23.5	22.9	22.3	21.8	21.0
-50°	25.7	25.3	24.8	24.3	23.8	23.3	22.7	22.2	21.6	20.9	20.1
-51.25°	24.9	24.4	24.0	23.5	23.0	22.5	22.0	21.5	20.7	20.0	19.2
-52.5°	24.1	23.6	23.2	22.7	22.2	21.8	21.2	20.5	19.7	19.0	18.3
-53.75°	23.2	22.8	22.4	21.9	21.5	20.8	20.1	19.4	18.8	18.0	17.3
-55°	22.4	22.0	21.5	21.0	20.3	19.7	19.1	18.4	17.8	17.1	16.4
-56.25°	21.5	21.0	20.4	19.8	19.2	18.6	18.0	17.4	16.7	16.1	15.4
-57.5°	20.3	19.8	19.2	18.7	18.1	17.5	16.9	16.3	15.7	15.1	14.6
-58.75°	19.1	18.6	18.1	17.5	17.0	16.4	15.9	15.3	14.8	14.3	13.8
-60°	17.9	17.4	16.9	16.4	15.9	15.3	14.9	14.4	13.9	13.4	12.9
-61.25°	16.6	16.2	15.7	15.2	14.8	14.4	13.9	13.5	13.0	12.6	12.2
-62.5°	15.4	15.0	14.6	14.2	13.9	13.4	13.0	12.6	12.2	11.9	11.5
-63.75°	14.3	14.0	13.6	13.3	12.9	12.5	12.2	11.8	11.5	11.1	10.8
-65°	13.3	13.0	12.6	12.3	12.0	11.7	11.4	11.1	10.7	10.4	10.2
-66.25°	12.3	12.1	11.8	11.5	11.2	10.9	10.6	10.3	10.1	9.9	9.6
-67.5°	11.4	11.2	10.9	10.7	10.4	10.2	10.0	9.7	9.5	9.3	9.0
-68.75°	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.1	8.9	8.7	8.6
-70°	9.8	9.7	9.5	9.3	9.1	8.9	8.8	8.7	8.5	8.4	8.3
-71.25°	9.1	9.0	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
-72.5°	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6
-73.75°	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.3	7.2
-75°	7.9	7.8	7.7	7.6	7.5	7.3	7.2	7.1	7.0	6.9	6.8
-76.25°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.6	6.5	6.4	6.2
-77.5°	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.6



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0
-80°	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-81.25°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8
-82.5°	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.2
-83.75°	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.7	2.7	2.6
-85°	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0
-86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
-87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
85°	1.9	1.9	1.8	1.8	1.7	1.6	1.6	1.5	1.4	1.4	1.3
83.75°	2.5	2.5	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.8	1.7
82.5°	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2
81.25°	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6
80°	4.3	4.2	4.1	3.9	3.8	3.7	3.6	3.5	3.3	3.2	3.1
78.75°	4.9	4.7	4.6	4.5	4.3	4.2	4.1	3.9	3.8	3.6	3.5
77.5°	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.1	3.9
76.25°	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.3
75°	6.6	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
73.75°	7.1	6.9	6.8	6.6	6.5	6.3	6.1	5.8	5.6	5.4	5.2
72.5°	7.5	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.1	5.9	5.6
71.25°	7.9	7.8	7.6	7.4	7.3	7.1	6.9	6.7	6.6	6.3	6.1
70°	8.2	8.1	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.5
68.75°	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.8
67.5°	8.8	8.7	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.4	7.1
66.25°	9.3	9.1	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.4
65°	9.9	9.6	9.3	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.7
63.75°	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.5	8.3	8.2	8.0
62.5°	11.1	10.7	10.3	10.0	9.7	9.4	9.0	8.8	8.6	8.4	8.2
61.25°	11.8	11.4	10.9	10.5	10.2	9.8	9.5	9.1	8.8	8.6	8.4
60°	12.5	12.0	11.6	11.1	10.7	10.3	9.9	9.6	9.2	8.8	8.6
58.75°	13.2	12.7	12.2	11.8	11.3	10.8	10.4	10.0	9.6	9.2	8.8
57.5°	14.0	13.5	12.9	12.4	11.9	11.4	10.9	10.4	10.0	9.6	9.2
56.25°	14.8	14.2	13.7	13.1	12.5	12.0	11.5	10.9	10.4	10.0	9.6
55°	15.7	15.0	14.4	13.8	13.2	12.5	12.0	11.5	10.9	10.4	9.9
53.75°	16.6	15.9	15.1	14.5	13.8	13.2	12.5	12.0	11.4	10.8	10.3
52.5°	17.5	16.7	16.0	15.2	14.5	13.8	13.2	12.5	11.9	11.3	10.7
51.25°	18.4	17.6	16.8	16.0	15.2	14.5	13.8	13.1	12.4	11.8	11.1
50°	19.3	18.5	17.7	16.8	16.0	15.1	14.4	13.7	12.9	12.2	11.6
48.75°	20.2	19.4	18.5	17.6	16.7	15.9	15.0	14.2	13.5	12.7	12.0
47.5°	21.1	20.2	19.3	18.4	17.5	16.6	15.7	14.8	14.0	13.2	12.5
46.25°	21.8	21.0	20.1	19.2	18.3	17.3	16.4	15.4	14.6	13.8	12.9
45°	22.4	21.8	20.9	20.0	19.0	18.0	17.1	16.1	15.1	14.3	13.4
43.75°	23.0	22.3	21.6	20.7	19.7	18.8	17.8	16.7	15.7	14.8	13.9
42.5°	23.6	22.9	22.2	21.5	20.5	19.4	18.4	17.4	16.3	15.3	14.4
41.25°	24.2	23.5	22.7	22.0	21.2	20.1	19.1	18.0	16.9	15.9	14.9
40°	24.7	24.0	23.3	22.5	21.8	20.8	19.7	18.6	17.5	16.4	15.3
38.75°	25.3	24.5	23.8	23.0	22.2	21.5	20.3	19.2	18.1	17.0	15.9
37.5°	25.8	25.1	24.3	23.5	22.7	21.9	21.0	19.8	18.7	17.5	16.4
36.25°	26.2	25.6	24.8	24.0	23.2	22.4	21.5	20.4	19.2	18.1	16.9
35°	26.6	26.0	25.3	24.4	23.6	22.8	22.0	21.0	19.8	18.6	17.4



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	27.0	26.4	25.7	24.9	24.1	23.2	22.4	21.5	20.3	19.1	17.9
32.5°	27.4	26.8	26.1	25.3	24.5	23.6	22.8	21.9	20.8	19.6	18.3
31.25°	27.7	27.1	26.5	25.8	24.9	24.0	23.1	22.3	21.3	20.0	18.8
30°	28.0	27.5	26.8	26.1	25.3	24.4	23.5	22.6	21.7	20.5	19.2
28.75°	28.3	27.8	27.1	26.4	25.7	24.8	23.9	23.0	22.0	20.9	19.6
27.5°	28.5	28.0	27.4	26.7	26.0	25.1	24.2	23.3	22.3	21.4	20.0
26.25°	28.8	28.3	27.7	27.0	26.3	25.5	24.5	23.6	22.7	21.7	20.4
25°	29.0	28.5	27.9	27.3	26.6	25.8	24.9	23.9	22.9	22.0	20.8
23.75°	29.3	28.7	28.1	27.6	26.8	26.1	25.2	24.2	23.2	22.2	21.2
22.5°	29.5	28.9	28.3	27.8	27.1	26.3	25.5	24.5	23.5	22.5	21.5
21.25°	29.7	29.1	28.5	28.0	27.3	26.5	25.7	24.7	23.7	22.7	21.7
20°	29.9	29.3	28.7	28.1	27.5	26.8	26.0	25.0	24.0	23.0	22.0
18.75°	30.1	29.5	28.9	28.3	27.7	27.0	26.2	25.2	24.2	23.2	22.2
17.5°	30.2	29.7	29.1	28.5	27.9	27.1	26.4	25.5	24.4	23.4	22.4
16.25°	30.4	29.8	29.2	28.6	28.0	27.3	26.5	25.7	24.6	23.6	22.5
15°	30.5	30.0	29.4	28.7	28.1	27.5	26.7	25.9	24.8	23.8	22.7
13.75°	30.6	30.1	29.5	28.9	28.3	27.6	26.8	26.0	25.0	23.9	22.9
12.5°	30.7	30.2	29.6	29.0	28.4	27.7	27.0	26.1	25.1	24.1	23.0
11.25°	30.7	30.3	29.7	29.1	28.5	27.8	27.1	26.3	25.3	24.2	23.1
10°	30.8	30.4	29.8	29.2	28.6	27.9	27.2	26.4	25.4	24.3	23.3
8.75°	30.9	30.4	29.9	29.3	28.6	28.0	27.3	26.4	25.5	24.4	23.4
7.5°	30.9	30.5	30.0	29.3	28.7	28.1	27.4	26.5	25.6	24.5	23.5
6.25°	31.0	30.5	30.1	29.4	28.8	28.1	27.4	26.6	25.7	24.6	23.5
5°	31.0	30.6	30.1	29.5	28.8	28.2	27.5	26.7	25.8	24.7	23.6
3.75°	31.1	30.6	30.1	29.5	28.9	28.2	27.5	26.7	25.8	24.7	23.6
2.5°	31.1	30.6	30.2	29.5	28.9	28.2	27.6	26.7	25.9	24.8	23.7
1.25°	31.1	30.6	30.2	29.5	28.9	28.2	27.6	26.7	25.9	24.8	23.7
0°	31.1	30.7	30.2	29.6	28.9	28.3	27.6	26.8	25.9	24.8	23.7
-1.25°	31.1	30.6	30.2	29.5	28.9	28.2	27.6	26.7	25.9	24.8	23.7
-2.5°	31.1	30.6	30.2	29.5	28.9	28.2	27.6	26.7	25.9	24.8	23.7
-3.75°	31.1	30.6	30.1	29.5	28.9	28.2	27.5	26.7	25.8	24.7	23.6
-5°	31.0	30.6	30.1	29.5	28.8	28.2	27.5	26.7	25.8	24.7	23.6
-6.25°	31.0	30.5	30.1	29.4	28.8	28.1	27.4	26.6	25.7	24.6	23.5
-7.5°	30.9	30.5	30.0	29.3	28.7	28.1	27.4	26.5	25.6	24.5	23.5
-8.75°	30.9	30.4	29.9	29.3	28.6	28.0	27.3	26.4	25.5	24.4	23.4
-10°	30.8	30.4	29.8	29.2	28.6	27.9	27.2	26.4	25.4	24.3	23.3
-11.25°	30.7	30.3	29.7	29.1	28.5	27.8	27.1	26.3	25.3	24.2	23.1
-12.5°	30.7	30.2	29.6	29.0	28.4	27.7	27.0	26.1	25.1	24.1	23.0
-13.75°	30.6	30.1	29.5	28.9	28.3	27.6	26.8	26.0	25.0	23.9	22.9
-15°	30.5	30.0	29.4	28.7	28.1	27.5	26.7	25.9	24.8	23.8	22.7
-16.25°	30.4	29.8	29.2	28.6	28.0	27.3	26.5	25.7	24.6	23.6	22.5
-17.5°	30.2	29.7	29.1	28.5	27.9	27.1	26.4	25.5	24.4	23.4	22.4
-18.75°	30.1	29.5	28.9	28.3	27.7	27.0	26.2	25.2	24.2	23.2	22.2
-20°	29.9	29.3	28.7	28.1	27.5	26.8	26.0	25.0	24.0	23.0	22.0
-21.25°	29.7	29.1	28.5	28.0	27.3	26.5	25.7	24.7	23.7	22.7	21.7



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	29.5	28.9	28.3	27.8	27.1	26.3	25.5	24.5	23.5	22.5	21.5
-23.75°	29.3	28.7	28.1	27.6	26.8	26.1	25.2	24.2	23.2	22.2	21.2
-25°	29.0	28.5	27.9	27.3	26.6	25.8	24.9	23.9	22.9	22.0	20.8
-26.25°	28.8	28.3	27.7	27.0	26.3	25.5	24.5	23.6	22.7	21.7	20.4
-27.5°	28.5	28.0	27.4	26.7	26.0	25.1	24.2	23.3	22.3	21.4	20.0
-28.75°	28.3	27.8	27.1	26.4	25.7	24.8	23.9	23.0	22.0	20.9	19.6
-30°	28.0	27.5	26.8	26.1	25.3	24.4	23.5	22.6	21.7	20.5	19.2
-31.25°	27.7	27.1	26.5	25.8	24.9	24.0	23.1	22.3	21.3	20.0	18.8
-32.5°	27.4	26.8	26.1	25.3	24.5	23.6	22.8	21.9	20.8	19.6	18.3
-33.75°	27.0	26.4	25.7	24.9	24.1	23.2	22.4	21.5	20.3	19.1	17.9
-35°	26.6	26.0	25.3	24.4	23.6	22.8	22.0	21.0	19.8	18.6	17.4
-36.25°	26.2	25.6	24.8	24.0	23.2	22.4	21.5	20.4	19.2	18.1	16.9
-37.5°	25.8	25.1	24.3	23.5	22.7	21.9	21.0	19.8	18.7	17.5	16.4
-38.75°	25.3	24.5	23.8	23.0	22.2	21.5	20.3	19.2	18.1	17.0	15.9
-40°	24.7	24.0	23.3	22.5	21.8	20.8	19.7	18.6	17.5	16.4	15.3
-41.25°	24.2	23.5	22.7	22.0	21.2	20.1	19.1	18.0	16.9	15.9	14.9
-42.5°	23.6	22.9	22.2	21.5	20.5	19.4	18.4	17.4	16.3	15.3	14.4
-43.75°	23.0	22.3	21.6	20.7	19.7	18.8	17.8	16.7	15.7	14.8	13.9
-45°	22.4	21.8	20.9	20.0	19.0	18.0	17.1	16.1	15.1	14.3	13.4
-46.25°	21.8	21.0	20.1	19.2	18.3	17.3	16.4	15.4	14.6	13.8	12.9
-47.5°	21.1	20.2	19.3	18.4	17.5	16.6	15.7	14.8	14.0	13.2	12.5
-48.75°	20.2	19.4	18.5	17.6	16.7	15.9	15.0	14.2	13.5	12.7	12.0
-50°	19.3	18.5	17.7	16.8	16.0	15.1	14.4	13.7	12.9	12.2	11.6
-51.25°	18.4	17.6	16.8	16.0	15.2	14.5	13.8	13.1	12.4	11.8	11.1
-52.5°	17.5	16.7	16.0	15.2	14.5	13.8	13.2	12.5	11.9	11.3	10.7
-53.75°	16.6	15.9	15.1	14.5	13.8	13.2	12.5	12.0	11.4	10.8	10.3
-55°	15.7	15.0	14.4	13.8	13.2	12.5	12.0	11.5	10.9	10.4	9.9
-56.25°	14.8	14.2	13.7	13.1	12.5	12.0	11.5	10.9	10.4	10.0	9.6
-57.5°	14.0	13.5	12.9	12.4	11.9	11.4	10.9	10.4	10.0	9.6	9.2
-58.75°	13.2	12.7	12.2	11.8	11.3	10.8	10.4	10.0	9.6	9.2	8.8
-60°	12.5	12.0	11.6	11.1	10.7	10.3	9.9	9.6	9.2	8.8	8.6
-61.25°	11.8	11.4	10.9	10.5	10.2	9.8	9.5	9.1	8.8	8.6	8.4
-62.5°	11.1	10.7	10.3	10.0	9.7	9.4	9.0	8.8	8.6	8.4	8.2
-63.75°	10.4	10.1	9.8	9.5	9.2	8.9	8.7	8.5	8.3	8.2	8.0
-65°	9.9	9.6	9.3	9.0	8.8	8.6	8.5	8.3	8.1	8.0	7.7
-66.25°	9.3	9.1	8.8	8.7	8.5	8.4	8.2	8.1	7.9	7.7	7.4
-67.5°	8.8	8.7	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.4	7.1
-68.75°	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.4	7.2	7.0	6.8
-70°	8.2	8.1	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.5
-71.25°	7.9	7.8	7.6	7.4	7.3	7.1	6.9	6.7	6.6	6.3	6.1
-72.5°	7.5	7.3	7.2	7.0	6.9	6.7	6.6	6.3	6.1	5.9	5.6
-73.75°	7.1	6.9	6.8	6.6	6.5	6.3	6.1	5.8	5.6	5.4	5.2
-75°	6.6	6.5	6.3	6.1	5.9	5.7	5.5	5.4	5.2	5.0	4.8
-76.25°	6.1	5.9	5.7	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.3
-77.5°	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4	4.2	4.1	3.9



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
83.75°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
82.5°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.3	1.2	1.1
81.25°	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.3
80°	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5
78.75°	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.3	2.1	1.9	1.8
77.5°	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.0
76.25°	4.2	4.0	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.2
75°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5
73.75°	5.0	4.7	4.5	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7
72.5°	5.4	5.1	4.9	4.7	4.4	4.2	4.0	3.7	3.5	3.2	3.0
71.25°	5.8	5.5	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	3.2
70°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.3	4.0	3.7	3.4
68.75°	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7
67.5°	6.9	6.7	6.4	6.1	5.8	5.5	5.1	4.8	4.5	4.2	3.9
66.25°	7.2	7.0	6.7	6.5	6.1	5.8	5.4	5.1	4.8	4.4	4.1
65°	7.5	7.3	7.0	6.8	6.5	6.1	5.7	5.4	5.0	4.7	4.3
63.75°	7.8	7.5	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.5
62.5°	8.0	7.8	7.5	7.3	7.0	6.7	6.3	5.9	5.5	5.1	4.7
61.25°	8.2	8.0	7.8	7.5	7.2	6.9	6.6	6.2	5.8	5.4	5.0
60°	8.4	8.2	8.0	7.7	7.4	7.1	6.8	6.5	6.1	5.6	5.2
58.75°	8.6	8.4	8.2	8.0	7.7	7.4	7.0	6.7	6.3	5.9	5.4
57.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.2	6.9	6.6	6.1	5.6
56.25°	9.1	8.8	8.5	8.3	8.1	7.8	7.4	7.1	6.7	6.3	5.8
55°	9.5	9.0	8.7	8.5	8.2	8.0	7.6	7.3	6.9	6.6	6.1
53.75°	9.8	9.4	8.9	8.6	8.4	8.1	7.8	7.5	7.1	6.7	6.3
52.5°	10.2	9.7	9.2	8.8	8.5	8.2	8.0	7.6	7.3	6.9	6.5
51.25°	10.5	10.0	9.5	9.0	8.7	8.4	8.1	7.8	7.4	7.0	6.6
50°	10.9	10.3	9.8	9.3	8.8	8.5	8.2	8.0	7.6	7.2	6.8
48.75°	11.4	10.7	10.1	9.6	9.1	8.7	8.4	8.1	7.8	7.3	6.9
47.5°	11.8	11.1	10.4	9.9	9.3	8.8	8.5	8.2	7.9	7.5	7.1
46.25°	12.2	11.5	10.8	10.2	9.6	9.0	8.6	8.3	8.0	7.6	7.2
45°	12.6	11.9	11.1	10.4	9.9	9.3	8.7	8.4	8.1	7.8	7.3
43.75°	13.0	12.2	11.5	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5
42.5°	13.5	12.6	11.8	11.1	10.3	9.7	9.1	8.7	8.3	8.0	7.6
41.25°	13.9	13.0	12.2	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.7
40°	14.4	13.4	12.5	11.7	10.9	10.2	9.6	8.9	8.5	8.2	7.8
38.75°	14.8	13.9	12.9	12.0	11.2	10.4	9.8	9.1	8.6	8.3	7.9
37.5°	15.2	14.2	13.3	12.3	11.5	10.7	10.0	9.3	8.7	8.4	8.0
36.25°	15.7	14.6	13.6	12.6	11.8	10.9	10.2	9.5	8.8	8.5	8.1
35°	16.2	15.0	14.0	13.0	12.1	11.2	10.3	9.7	9.0	8.5	8.2



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	16.6	15.4	14.3	13.3	12.3	11.4	10.5	9.8	9.1	8.6	8.2
32.5°	17.1	15.8	14.7	13.6	12.6	11.7	10.8	10.0	9.3	8.7	8.3
31.25°	17.5	16.2	15.0	13.9	12.8	11.9	11.0	10.2	9.4	8.8	8.4
30°	17.9	16.6	15.3	14.2	13.1	12.1	11.2	10.3	9.6	8.9	8.4
28.75°	18.3	17.0	15.7	14.5	13.4	12.4	11.4	10.5	9.7	9.0	8.5
27.5°	18.7	17.4	16.0	14.8	13.7	12.6	11.6	10.6	9.9	9.1	8.6
26.25°	19.1	17.7	16.4	15.1	13.9	12.8	11.8	10.8	10.0	9.2	8.6
25°	19.4	18.1	16.7	15.3	14.2	13.0	12.0	11.0	10.1	9.4	8.7
23.75°	19.8	18.4	17.0	15.6	14.4	13.2	12.1	11.2	10.2	9.5	8.7
22.5°	20.1	18.7	17.3	15.9	14.6	13.4	12.3	11.3	10.3	9.6	8.8
21.25°	20.4	19.0	17.6	16.2	14.8	13.6	12.5	11.5	10.5	9.7	8.9
20°	20.7	19.3	17.9	16.4	15.0	13.8	12.6	11.6	10.6	9.8	9.0
18.75°	21.0	19.6	18.1	16.7	15.2	14.0	12.8	11.7	10.7	9.8	9.0
17.5°	21.3	19.8	18.3	16.9	15.4	14.2	12.9	11.9	10.8	9.9	9.1
16.25°	21.5	20.0	18.6	17.1	15.6	14.3	13.1	12.0	10.9	10.0	9.2
15°	21.7	20.2	18.8	17.3	15.8	14.5	13.2	12.1	11.0	10.1	9.3
13.75°	21.8	20.4	18.9	17.5	16.0	14.6	13.3	12.2	11.1	10.1	9.3
12.5°	21.9	20.6	19.1	17.6	16.1	14.7	13.5	12.3	11.2	10.2	9.4
11.25°	22.1	20.8	19.3	17.8	16.3	14.8	13.6	12.3	11.3	10.3	9.4
10°	22.2	20.9	19.4	17.9	16.4	14.9	13.6	12.4	11.3	10.3	9.5
8.75°	22.3	21.1	19.5	18.0	16.5	15.0	13.7	12.5	11.4	10.4	9.5
7.5°	22.4	21.2	19.7	18.1	16.6	15.1	13.8	12.5	11.5	10.4	9.6
6.25°	22.4	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.6
5°	22.5	21.4	19.8	18.3	16.7	15.2	13.9	12.6	11.5	10.5	9.6
3.75°	22.5	21.4	19.9	18.3	16.8	15.2	14.0	12.7	11.6	10.5	9.6
2.5°	22.6	21.5	19.9	18.4	16.8	15.3	14.0	12.7	11.6	10.5	9.6
1.25°	22.6	21.5	19.9	18.4	16.8	15.3	14.0	12.7	11.6	10.5	9.6
0°	22.6	21.5	20.0	18.4	16.9	15.3	14.0	12.7	11.6	10.5	9.7
-1.25°	22.6	21.5	19.9	18.4	16.8	15.3	14.0	12.7	11.6	10.5	9.6
-2.5°	22.6	21.5	19.9	18.4	16.8	15.3	14.0	12.7	11.6	10.5	9.6
-3.75°	22.5	21.4	19.9	18.3	16.8	15.2	14.0	12.7	11.6	10.5	9.6
-5°	22.5	21.4	19.8	18.3	16.7	15.2	13.9	12.6	11.5	10.5	9.6
-6.25°	22.4	21.3	19.7	18.2	16.7	15.2	13.9	12.6	11.5	10.4	9.6
-7.5°	22.4	21.2	19.7	18.1	16.6	15.1	13.8	12.5	11.5	10.4	9.6
-8.75°	22.3	21.1	19.5	18.0	16.5	15.0	13.7	12.5	11.4	10.4	9.5
-10°	22.2	20.9	19.4	17.9	16.4	14.9	13.6	12.4	11.3	10.3	9.5
-11.25°	22.1	20.8	19.3	17.8	16.3	14.8	13.6	12.3	11.3	10.3	9.4
-12.5°	21.9	20.6	19.1	17.6	16.1	14.7	13.5	12.3	11.2	10.2	9.4
-13.75°	21.8	20.4	18.9	17.5	16.0	14.6	13.3	12.2	11.1	10.1	9.3
-15°	21.7	20.2	18.8	17.3	15.8	14.5	13.2	12.1	11.0	10.1	9.3
-16.25°	21.5	20.0	18.6	17.1	15.6	14.3	13.1	12.0	10.9	10.0	9.2
-17.5°	21.3	19.8	18.3	16.9	15.4	14.2	12.9	11.9	10.8	9.9	9.1
-18.75°	21.0	19.6	18.1	16.7	15.2	14.0	12.8	11.7	10.7	9.8	9.0
-20°	20.7	19.3	17.9	16.4	15.0	13.8	12.6	11.6	10.6	9.8	9.0
-21.25°	20.4	19.0	17.6	16.2	14.8	13.6	12.5	11.5	10.5	9.7	8.9



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	20.1	18.7	17.3	15.9	14.6	13.4	12.3	11.3	10.3	9.6	8.8
-23.75°	19.8	18.4	17.0	15.6	14.4	13.2	12.1	11.2	10.2	9.5	8.7
-25°	19.4	18.1	16.7	15.3	14.2	13.0	12.0	11.0	10.1	9.4	8.7
-26.25°	19.1	17.7	16.4	15.1	13.9	12.8	11.8	10.8	10.0	9.2	8.6
-27.5°	18.7	17.4	16.0	14.8	13.7	12.6	11.6	10.6	9.9	9.1	8.6
-28.75°	18.3	17.0	15.7	14.5	13.4	12.4	11.4	10.5	9.7	9.0	8.5
-30°	17.9	16.6	15.3	14.2	13.1	12.1	11.2	10.3	9.6	8.9	8.4
-31.25°	17.5	16.2	15.0	13.9	12.8	11.9	11.0	10.2	9.4	8.8	8.4
-32.5°	17.1	15.8	14.7	13.6	12.6	11.7	10.8	10.0	9.3	8.7	8.3
-33.75°	16.6	15.4	14.3	13.3	12.3	11.4	10.5	9.8	9.1	8.6	8.2
-35°	16.2	15.0	14.0	13.0	12.1	11.2	10.3	9.7	9.0	8.5	8.2
-36.25°	15.7	14.6	13.6	12.6	11.8	10.9	10.2	9.5	8.8	8.5	8.1
-37.5°	15.2	14.2	13.3	12.3	11.5	10.7	10.0	9.3	8.7	8.4	8.0
-38.75°	14.8	13.9	12.9	12.0	11.2	10.4	9.8	9.1	8.6	8.3	7.9
-40°	14.4	13.4	12.5	11.7	10.9	10.2	9.6	8.9	8.5	8.2	7.8
-41.25°	13.9	13.0	12.2	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.7
-42.5°	13.5	12.6	11.8	11.1	10.3	9.7	9.1	8.7	8.3	8.0	7.6
-43.75°	13.0	12.2	11.5	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5
-45°	12.6	11.9	11.1	10.4	9.9	9.3	8.7	8.4	8.1	7.8	7.3
-46.25°	12.2	11.5	10.8	10.2	9.6	9.0	8.6	8.3	8.0	7.6	7.2
-47.5°	11.8	11.1	10.4	9.9	9.3	8.8	8.5	8.2	7.9	7.5	7.1
-48.75°	11.4	10.7	10.1	9.6	9.1	8.7	8.4	8.1	7.8	7.3	6.9
-50°	10.9	10.3	9.8	9.3	8.8	8.5	8.2	8.0	7.6	7.2	6.8
-51.25°	10.5	10.0	9.5	9.0	8.7	8.4	8.1	7.8	7.4	7.0	6.6
-52.5°	10.2	9.7	9.2	8.8	8.5	8.2	8.0	7.6	7.3	6.9	6.5
-53.75°	9.8	9.4	8.9	8.6	8.4	8.1	7.8	7.5	7.1	6.7	6.3
-55°	9.5	9.0	8.7	8.5	8.2	8.0	7.6	7.3	6.9	6.6	6.1
-56.25°	9.1	8.8	8.5	8.3	8.1	7.8	7.4	7.1	6.7	6.3	5.8
-57.5°	8.8	8.6	8.3	8.1	7.9	7.6	7.2	6.9	6.6	6.1	5.6
-58.75°	8.6	8.4	8.2	8.0	7.7	7.4	7.0	6.7	6.3	5.9	5.4
-60°	8.4	8.2	8.0	7.7	7.4	7.1	6.8	6.5	6.1	5.6	5.2
-61.25°	8.2	8.0	7.8	7.5	7.2	6.9	6.6	6.2	5.8	5.4	5.0
-62.5°	8.0	7.8	7.5	7.3	7.0	6.7	6.3	5.9	5.5	5.1	4.7
-63.75°	7.8	7.5	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.5
-65°	7.5	7.3	7.0	6.8	6.5	6.1	5.7	5.4	5.0	4.7	4.3
-66.25°	7.2	7.0	6.7	6.5	6.1	5.8	5.4	5.1	4.8	4.4	4.1
-67.5°	6.9	6.7	6.4	6.1	5.8	5.5	5.1	4.8	4.5	4.2	3.9
-68.75°	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	4.0	3.7
-70°	6.2	5.9	5.7	5.4	5.1	4.8	4.5	4.3	4.0	3.7	3.4
-71.25°	5.8	5.5	5.3	5.0	4.8	4.5	4.2	4.0	3.7	3.5	3.2
-72.5°	5.4	5.1	4.9	4.7	4.4	4.2	4.0	3.7	3.5	3.2	3.0
-73.75°	5.0	4.7	4.5	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7
-75°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5
-76.25°	4.2	4.0	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.2
-77.5°	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.3	2.1	1.9	1.8
-80°	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5
-81.25°	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.3
-82.5°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3	1.3	1.2	1.1
-83.75°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
-87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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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°
33.75°	7.9	7.3	6.8	6.1	5.4	4.6	3.9	3.2	2.5	1.7	1.1
32.5°	7.9	7.4	6.9	6.2	5.5	4.7	4.0	3.3	2.5	1.8	1.1
31.25°	8.0	7.5	6.9	6.3	5.5	4.8	4.1	3.3	2.6	1.8	1.1
30°	8.1	7.6	7.0	6.4	5.6	4.9	4.1	3.4	2.6	1.8	1.1
28.75°	8.1	7.7	7.1	6.5	5.7	4.9	4.2	3.4	2.7	1.9	1.1
27.5°	8.2	7.7	7.2	6.6	5.8	5.0	4.2	3.5	2.7	1.9	1.2
26.25°	8.2	7.8	7.2	6.6	5.9	5.0	4.3	3.5	2.7	1.9	1.2
25°	8.3	7.9	7.3	6.7	5.9	5.1	4.3	3.6	2.8	1.9	1.2
23.75°	8.3	7.9	7.3	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2
22.5°	8.4	8.0	7.4	6.8	6.0	5.2	4.4	3.6	2.8	2.0	1.2
21.25°	8.4	8.0	7.5	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.2
20°	8.5	8.0	7.5	6.9	6.2	5.3	4.5	3.7	2.9	2.0	1.2
18.75°	8.5	8.1	7.5	6.9	6.2	5.4	4.5	3.7	2.9	2.1	1.2
17.5°	8.5	8.1	7.6	7.0	6.3	5.4	4.6	3.8	2.9	2.1	1.2
16.25°	8.6	8.1	7.6	7.0	6.3	5.4	4.6	3.8	3.0	2.1	1.2
15°	8.6	8.2	7.7	7.0	6.4	5.5	4.6	3.8	3.0	2.1	1.3
13.75°	8.6	8.2	7.7	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.3
12.5°	8.7	8.2	7.7	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.3
11.25°	8.7	8.3	7.8	7.1	6.5	5.6	4.7	3.9	3.0	2.1	1.3
10°	8.7	8.3	7.8	7.2	6.5	5.6	4.7	3.9	3.0	2.2	1.3
8.75°	8.7	8.3	7.8	7.2	6.5	5.6	4.7	3.9	3.1	2.2	1.3
7.5°	8.8	8.3	7.8	7.2	6.5	5.6	4.8	3.9	3.1	2.2	1.3
6.25°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
5°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
3.75°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
2.5°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
1.25°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
0°	8.8	8.4	7.9	7.3	6.6	5.7	4.8	4.0	3.1	2.2	1.3
-1.25°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
-2.5°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
-3.75°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
-5°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
-6.25°	8.8	8.3	7.9	7.2	6.6	5.7	4.8	3.9	3.1	2.2	1.3
-7.5°	8.8	8.3	7.8	7.2	6.5	5.6	4.8	3.9	3.1	2.2	1.3
-8.75°	8.7	8.3	7.8	7.2	6.5	5.6	4.7	3.9	3.1	2.2	1.3
-10°	8.7	8.3	7.8	7.2	6.5	5.6	4.7	3.9	3.0	2.2	1.3
-11.25°	8.7	8.3	7.8	7.1	6.5	5.6	4.7	3.9	3.0	2.1	1.3
-12.5°	8.7	8.2	7.7	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.3
-13.75°	8.6	8.2	7.7	7.1	6.4	5.5	4.7	3.8	3.0	2.1	1.3
-15°	8.6	8.2	7.7	7.0	6.4	5.5	4.6	3.8	3.0	2.1	1.3
-16.25°	8.6	8.1	7.6	7.0	6.3	5.4	4.6	3.8	3.0	2.1	1.2
-17.5°	8.5	8.1	7.6	7.0	6.3	5.4	4.6	3.8	2.9	2.1	1.2
-18.75°	8.5	8.1	7.5	6.9	6.2	5.4	4.5	3.7	2.9	2.1	1.2
-20°	8.5	8.0	7.5	6.9	6.2	5.3	4.5	3.7	2.9	2.0	1.2
-21.25°	8.4	8.0	7.5	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.2



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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°
-22.5°	8.4	8.0	7.4	6.8	6.0	5.2	4.4	3.6	2.8	2.0	1.2
-23.75°	8.3	7.9	7.3	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2
-25°	8.3	7.9	7.3	6.7	5.9	5.1	4.3	3.6	2.8	1.9	1.2
-26.25°	8.2	7.8	7.2	6.6	5.9	5.0	4.3	3.5	2.7	1.9	1.2
-27.5°	8.2	7.7	7.2	6.6	5.8	5.0	4.2	3.5	2.7	1.9	1.2
-28.75°	8.1	7.7	7.1	6.5	5.7	4.9	4.2	3.4	2.7	1.9	1.1
-30°	8.1	7.6	7.0	6.4	5.6	4.9	4.1	3.4	2.6	1.8	1.1
-31.25°	8.0	7.5	6.9	6.3	5.5	4.8	4.1	3.3	2.6	1.8	1.1
-32.5°	7.9	7.4	6.9	6.2	5.5	4.7	4.0	3.3	2.5	1.8	1.1
-33.75°	7.9	7.3	6.8	6.1	5.4	4.6	3.9	3.2	2.5	1.7	1.1
-35°	7.8	7.2	6.7	6.0	5.3	4.6	3.9	3.2	2.4	1.7	1.1
-36.25°	7.7	7.1	6.6	5.9	5.2	4.5	3.8	3.1	2.4	1.7	1.0
-37.5°	7.6	7.1	6.5	5.8	5.1	4.4	3.7	3.1	2.4	1.6	1.0
-38.75°	7.5	7.0	6.4	5.7	5.0	4.3	3.7	3.0	2.3	1.6	1.0
-40°	7.3	6.9	6.3	5.6	4.9	4.3	3.6	2.9	2.3	1.6	1.0
-41.25°	7.2	6.8	6.1	5.5	4.8	4.2	3.5	2.9	2.2	1.5	1.0
-42.5°	7.1	6.6	6.0	5.4	4.7	4.1	3.5	2.8	2.2	1.5	1.0
-43.75°	7.0	6.5	5.9	5.2	4.6	4.0	3.4	2.7	2.1	1.4	0.9
-45°	6.9	6.4	5.7	5.1	4.5	3.9	3.3	2.7	2.0	1.4	0.9
-46.25°	6.8	6.2	5.6	5.0	4.4	3.8	3.2	2.6	2.0	1.4	0.9
-47.5°	6.6	6.1	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.3	0.9
-48.75°	6.5	5.9	5.3	4.7	4.2	3.6	3.1	2.5	1.9	1.3	0.9
-50°	6.3	5.7	5.2	4.6	4.1	3.5	3.0	2.4	1.8	1.3	0.8
-51.25°	6.1	5.6	5.0	4.5	3.9	3.4	2.9	2.3	1.8	1.2	0.8
-52.5°	5.9	5.4	4.9	4.3	3.8	3.3	2.8	2.2	1.7	1.2	0.8
-53.75°	5.7	5.2	4.7	4.2	3.7	3.2	2.7	2.2	1.6	1.2	0.8
-55°	5.5	5.0	4.5	4.1	3.6	3.1	2.6	2.1	1.6	1.1	0.7
-56.25°	5.4	4.9	4.4	3.9	3.5	3.0	2.5	2.0	1.5	1.1	0.7
-57.5°	5.2	4.7	4.2	3.8	3.3	2.9	2.4	1.9	1.4	1.0	0.7
-58.75°	5.0	4.5	4.1	3.6	3.2	2.8	2.3	1.8	1.4	1.0	0.7
-60°	4.8	4.3	3.9	3.5	3.1	2.6	2.2	1.7	1.3	1.0	0.6
-61.25°	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.7	1.2	0.9	0.6
-62.5°	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9	0.6
-63.75°	4.2	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.9	0.6
-65°	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.8	0.5
-66.25°	3.8	3.4	3.1	2.7	2.4	2.0	1.7	1.3	1.0	0.8	0.5
-67.5°	3.6	3.2	2.9	2.6	2.2	1.9	1.6	1.2	1.0	0.7	0.5
-68.75°	3.4	3.1	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.7	0.5
-70°	3.2	2.9	2.6	2.3	2.0	1.6	1.3	1.1	0.9	0.7	0.4
-71.25°	2.9	2.7	2.4	2.1	1.8	1.5	1.3	1.0	0.8	0.6	0.4
-72.5°	2.7	2.5	2.2	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-73.75°	2.5	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-75°	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-76.25°	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-77.5°	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3



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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220469 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)