

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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

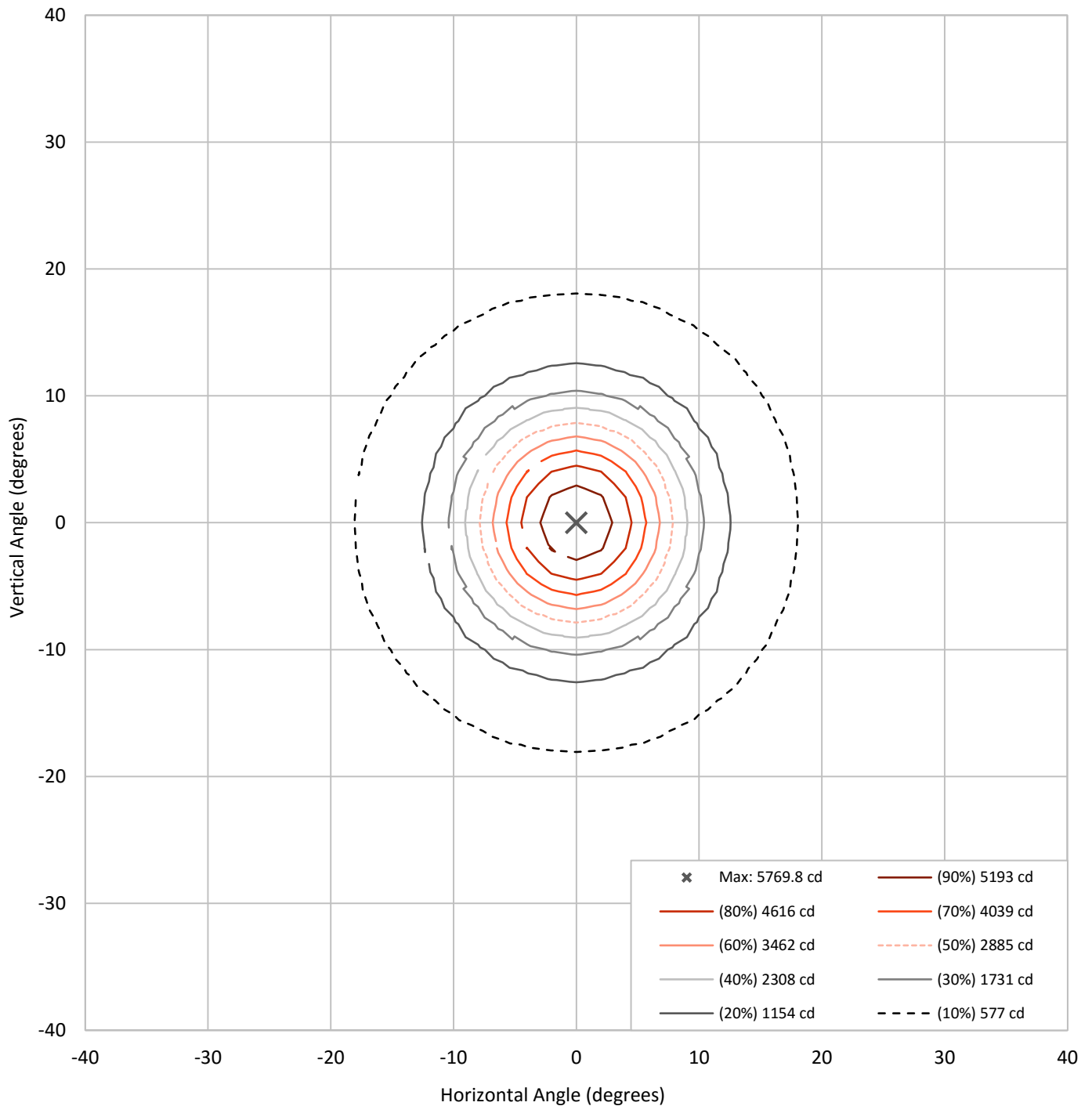
Test Method: LM-79-08
Report Number: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT
OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	787 lumens	Max Intensity:	5769.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	80.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	240.1 lumens	Field Lumens:	529.8 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





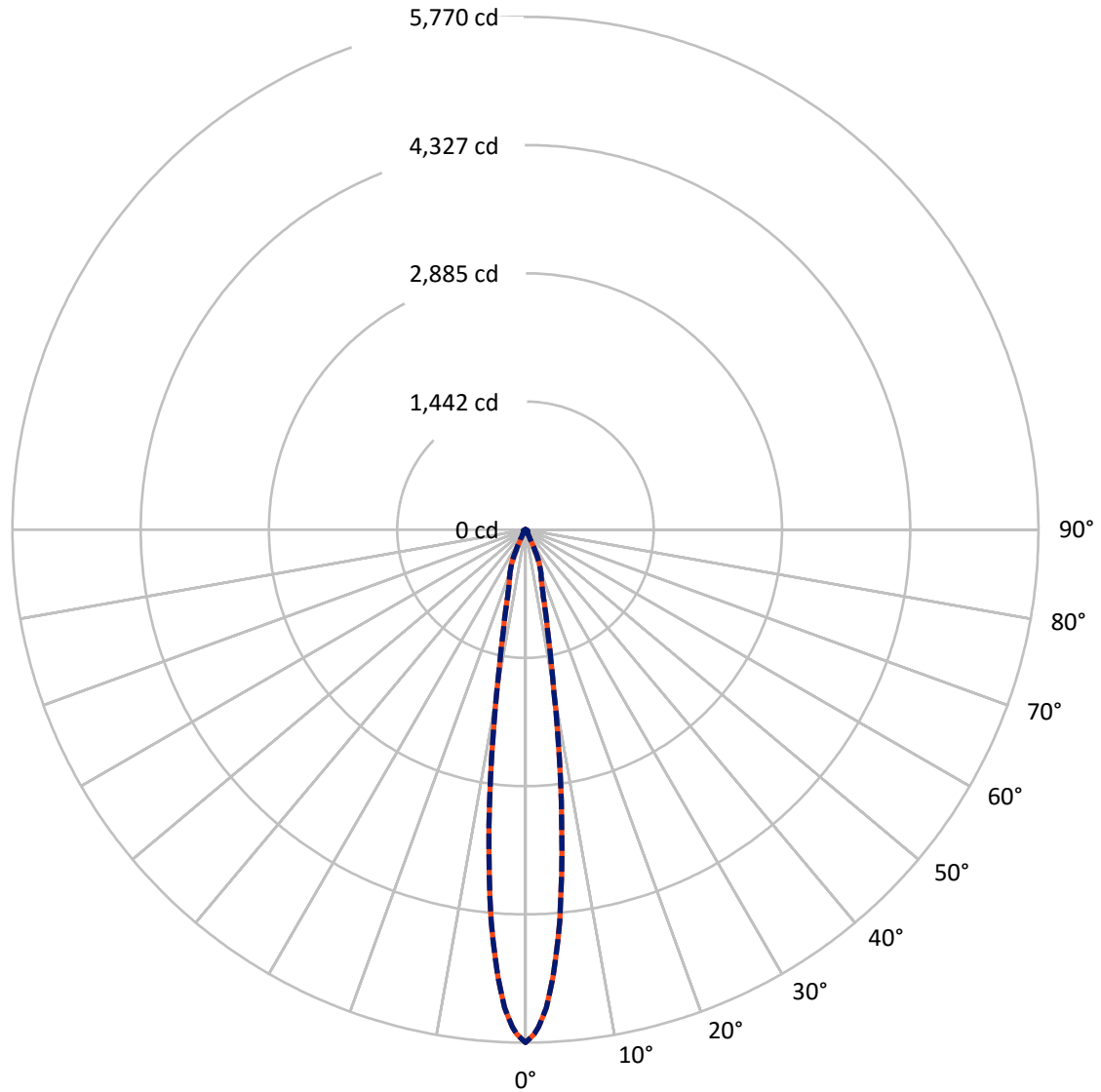
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Lumen Table

90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
80	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
70	0.1	0.1	0.2	0.2	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.2	0.2	0.1	0.1			
60		0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.6	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.6	0.3	0.1	0.1			
40		0.2	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2				
30	0.2	0.2	0.5	0.6	0.8	1.1	2.9	6.7	6.7	2.9	1.1	0.8	0.6	0.5	0.2	0.2			
20		0.2	0.5	0.7	0.9	2.8	12.8	23.7	23.7	12.8	2.8	0.9	0.7	0.5	0.2				
10	0.2	0.3	0.5	0.7	1.0	6.2	23.1	92.3	92.3	23.1	6.2	1.0	0.7	0.5	0.3	0.2			
0		0.3	0.5	0.7	1.0	6.2	23.1	92.3	92.3	23.1	6.2	1.0	0.7	0.5	0.3				
-10	0.2	0.2	0.5	0.7	0.9	2.8	12.8	23.7	23.7	12.8	2.8	0.9	0.7	0.5	0.2	0.2			
-20		0.2	0.5	0.6	0.8	1.1	2.9	6.7	6.7	2.9	1.1	0.8	0.6	0.5	0.2				
-30	0.1	0.2	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.1			
-40		0.1	0.3	0.6	0.7	0.8	0.9	1.0	1.0	0.9	0.8	0.7	0.6	0.3	0.1				
-50	0.1	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.1			
-60		0.1	0.2	0.2	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.4	0.2	0.2	0.1				
-70	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0							0.0			
-80		0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
-90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0							0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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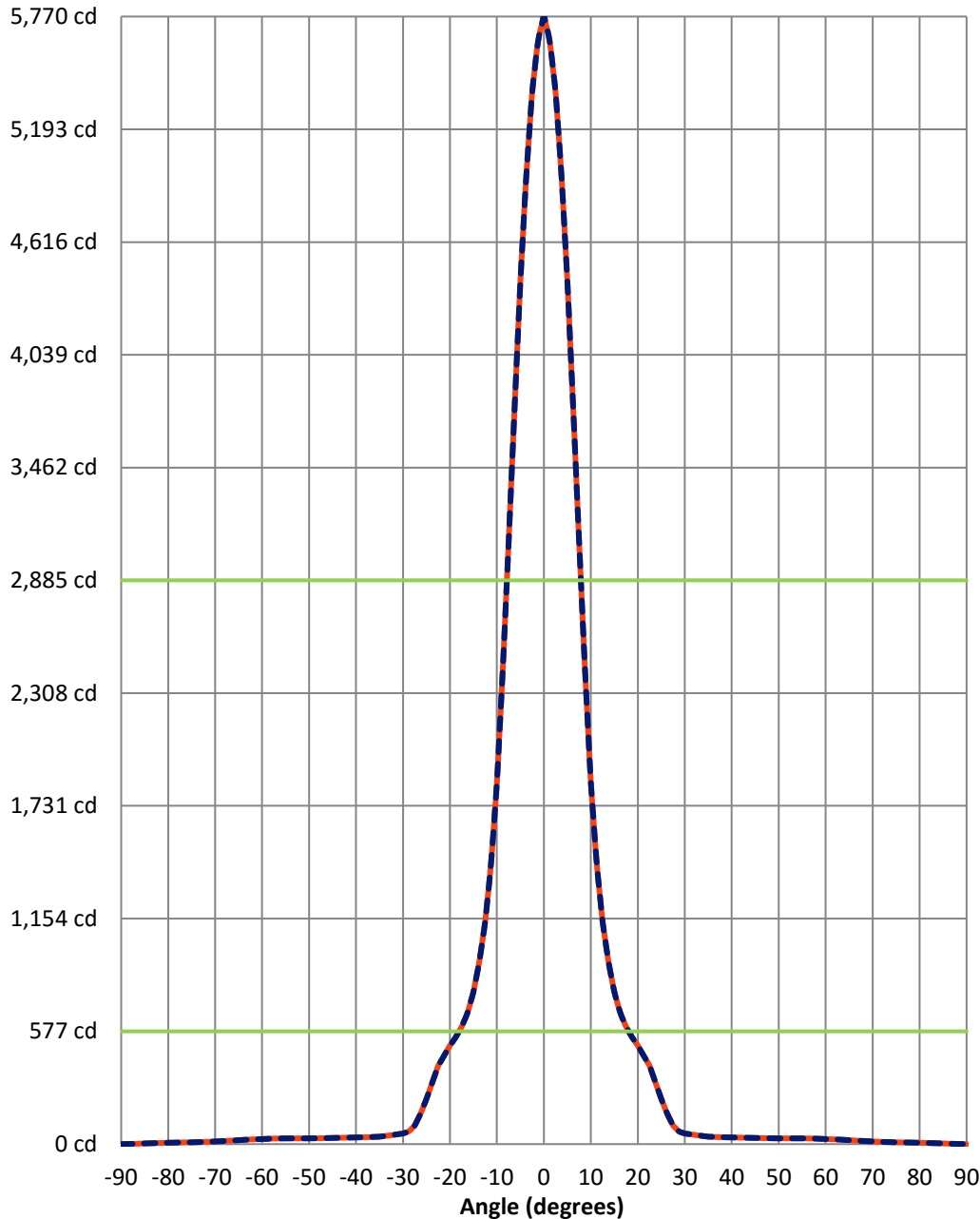
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 15.8°
 V Angle: 15.8°
 Lumens: 240.1
 Efficiency: 30.5%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 529.8
 Efficiency: 67.3%

Spill:
 Lumens: 257.2
 Efficiency: 32.7%

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



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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	1.8	2.8	3.6	4.4	5.1	5.8	6.5	7.2
32.5°	0.0	0.5	1.1	1.9	2.8	3.7	4.5	5.2	5.9	6.6	7.3
31.25°	0.0	0.6	1.1	1.9	2.9	3.7	4.5	5.3	6.0	6.7	7.3
30°	0.0	0.6	1.1	2.0	2.9	3.8	4.6	5.3	6.1	6.8	7.4
28.75°	0.0	0.6	1.1	2.0	3.0	3.8	4.6	5.4	6.2	6.9	7.5
27.5°	0.0	0.6	1.2	2.0	3.0	3.9	4.7	5.5	6.2	7.0	7.6
26.25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
25°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
23.75°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
22.5°	0.0	0.6	1.2	2.1	3.2	4.1	4.9	5.7	6.5	7.2	7.8
21.25°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.9
20°	0.0	0.6	1.2	2.2	3.2	4.1	5.0	5.8	6.6	7.3	7.9
18.75°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.8	6.6	7.3	7.9
17.5°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.9	6.7	7.4	8.0
16.25°	0.0	0.6	1.2	2.3	3.3	4.2	5.1	5.9	6.7	7.4	8.0
15°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.8	7.4	8.1
13.75°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	6.0	6.8	7.5	8.1
12.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.8	7.5	8.1
11.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
10°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.1	6.9	7.6	8.2
8.75°	0.0	0.6	1.3	2.4	3.4	4.3	5.2	6.1	6.9	7.6	8.2
7.5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	6.9	7.6	8.2
6.25°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
3.75°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
2.5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
1.25°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
0°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.2	7.0	7.7	8.3
-1.25°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
-2.5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
-3.75°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
-5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
-6.25°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	7.0	7.6	8.3
-7.5°	0.0	0.6	1.3	2.4	3.5	4.4	5.3	6.1	6.9	7.6	8.2
-8.75°	0.0	0.6	1.3	2.4	3.4	4.3	5.2	6.1	6.9	7.6	8.2
-10°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.1	6.9	7.6	8.2
-11.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-12.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.8	7.5	8.1
-13.75°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	6.0	6.8	7.5	8.1
-15°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.8	7.4	8.1
-16.25°	0.0	0.6	1.2	2.3	3.3	4.2	5.1	5.9	6.7	7.4	8.0
-17.5°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.9	6.7	7.4	8.0
-18.75°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.8	6.6	7.3	7.9
-20°	0.0	0.6	1.2	2.2	3.2	4.1	5.0	5.8	6.6	7.3	7.9
-21.25°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.9



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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	2.1	3.2	4.1	4.9	5.7	6.5	7.2	7.8
-23.75°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
-25°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
-26.25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
-27.5°	0.0	0.6	1.2	2.0	3.0	3.9	4.7	5.5	6.2	7.0	7.6
-28.75°	0.0	0.6	1.1	2.0	3.0	3.8	4.6	5.4	6.2	6.9	7.5
-30°	0.0	0.6	1.1	2.0	2.9	3.8	4.6	5.3	6.1	6.8	7.4
-31.25°	0.0	0.6	1.1	1.9	2.9	3.7	4.5	5.3	6.0	6.7	7.3
-32.5°	0.0	0.5	1.1	1.9	2.8	3.7	4.5	5.2	5.9	6.6	7.3
-33.75°	0.0	0.5	1.1	1.8	2.8	3.6	4.4	5.1	5.8	6.5	7.2
-35°	0.0	0.5	1.1	1.8	2.7	3.6	4.3	5.1	5.8	6.5	7.1
-36.25°	0.0	0.5	1.0	1.8	2.6	3.5	4.3	5.0	5.7	6.4	7.0
-37.5°	0.0	0.5	1.0	1.7	2.6	3.5	4.2	4.9	5.6	6.3	6.9
-38.75°	0.0	0.5	1.0	1.7	2.5	3.4	4.1	4.8	5.5	6.2	6.8
-40°	0.0	0.5	1.0	1.6	2.5	3.3	4.0	4.7	5.4	6.0	6.7
-41.25°	0.0	0.5	1.0	1.6	2.4	3.2	4.0	4.6	5.3	5.9	6.6
-42.5°	0.0	0.5	1.0	1.5	2.3	3.2	3.9	4.5	5.2	5.8	6.4
-43.75°	0.0	0.5	0.9	1.5	2.3	3.1	3.8	4.4	5.1	5.7	6.3
-45°	0.0	0.5	0.9	1.4	2.2	3.0	3.7	4.3	5.0	5.6	6.2
-46.25°	0.0	0.4	0.9	1.4	2.1	2.9	3.6	4.2	4.9	5.5	6.1
-47.5°	0.0	0.4	0.9	1.3	2.1	2.8	3.5	4.1	4.8	5.4	5.9
-48.75°	0.0	0.4	0.9	1.3	2.0	2.7	3.4	4.0	4.6	5.2	5.8
-50°	0.0	0.4	0.8	1.3	1.9	2.6	3.3	3.9	4.5	5.1	5.6
-51.25°	0.0	0.4	0.8	1.2	1.9	2.5	3.2	3.8	4.4	5.0	5.5
-52.5°	0.0	0.4	0.8	1.2	1.8	2.4	3.1	3.7	4.3	4.8	5.3
-53.75°	0.0	0.4	0.8	1.2	1.7	2.3	3.0	3.6	4.1	4.7	5.2
-55°	0.0	0.4	0.7	1.1	1.6	2.3	2.9	3.5	4.0	4.5	5.0
-56.25°	0.0	0.4	0.7	1.1	1.5	2.2	2.8	3.4	3.9	4.4	4.9
-57.5°	0.0	0.3	0.7	1.0	1.5	2.1	2.6	3.2	3.8	4.2	4.7
-58.75°	0.0	0.3	0.7	1.0	1.4	1.9	2.5	3.1	3.6	4.1	4.5
-60°	0.0	0.3	0.6	1.0	1.3	1.8	2.4	2.9	3.5	3.9	4.4
-61.25°	0.0	0.3	0.6	0.9	1.2	1.7	2.3	2.8	3.3	3.8	4.2
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	2.1	2.6	3.1	3.6	4.0
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	2.0	2.5	3.0	3.5	3.9
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.9	2.3	2.8	3.3	3.7
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.8	2.2	2.6	3.1	3.5
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.6	2.0	2.5	2.9	3.3
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.5	1.9	2.3	2.7	3.1
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.7	2.1	2.5	2.8
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.6	1.9	2.3	2.6
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	2.1	2.4
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.2
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.9
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.7
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.5



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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	1.4	1.5	1.6	1.8	1.9	2.0
81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5
80°	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.6	2.8	3.0
78.75°	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5
77.5°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9
76.25°	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.2
75°	2.2	2.5	2.8	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.6
73.75°	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.3	4.6	4.8	5.0
72.5°	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4
71.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.5	5.8
70°	3.2	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9	6.1
68.75°	3.4	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5
67.5°	3.7	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.8
66.25°	3.9	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.9	7.1
65°	4.1	4.4	4.8	5.2	5.5	5.9	6.2	6.5	6.9	7.2	7.4
63.75°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7
62.5°	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	7.9
61.25°	4.6	5.0	5.5	5.9	6.2	6.6	7.0	7.3	7.6	7.9	8.2
60°	4.8	5.3	5.7	6.1	6.5	6.9	7.2	7.5	7.8	8.1	8.4
58.75°	5.0	5.4	5.9	6.3	6.7	7.1	7.4	7.8	8.1	8.4	8.6
57.5°	5.2	5.6	6.1	6.5	7.0	7.3	7.6	8.0	8.3	8.5	8.7
56.25°	5.4	5.8	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.7	8.9
55°	5.5	6.0	6.5	7.0	7.3	7.7	8.0	8.4	8.6	8.9	9.1
53.75°	5.7	6.2	6.7	7.1	7.5	7.9	8.2	8.5	8.8	9.0	9.3
52.5°	5.9	6.4	6.9	7.3	7.7	8.0	8.4	8.6	8.9	9.2	9.6
51.25°	6.0	6.5	7.0	7.4	7.8	8.2	8.5	8.8	9.1	9.4	10.0
50°	6.2	6.7	7.2	7.6	8.0	8.4	8.6	8.9	9.2	9.7	10.3
48.75°	6.3	6.9	7.3	7.7	8.2	8.5	8.8	9.1	9.5	10.0	10.6
47.5°	6.5	7.0	7.5	7.9	8.3	8.6	8.9	9.2	9.8	10.3	10.9
46.25°	6.6	7.2	7.6	8.0	8.4	8.7	9.0	9.4	10.0	10.6	11.3
45°	6.8	7.3	7.7	8.2	8.5	8.8	9.1	9.7	10.3	10.9	11.8
43.75°	6.9	7.4	7.9	8.3	8.6	8.9	9.3	10.0	10.6	11.3	12.2
42.5°	7.0	7.5	8.0	8.4	8.7	9.1	9.6	10.2	10.8	11.7	12.6
41.25°	7.2	7.6	8.1	8.5	8.8	9.2	9.8	10.4	11.1	12.1	13.0
40°	7.3	7.7	8.2	8.6	8.9	9.3	10.0	10.7	11.5	12.4	13.4
38.75°	7.4	7.9	8.3	8.7	9.0	9.5	10.2	10.9	11.8	12.8	13.8
37.5°	7.5	8.0	8.4	8.8	9.1	9.7	10.4	11.2	12.2	13.2	14.3
36.25°	7.5	8.1	8.5	8.9	9.2	9.9	10.6	11.5	12.5	13.5	14.7
35°	7.6	8.2	8.6	8.9	9.4	10.1	10.8	11.8	12.8	13.9	15.1



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	7.7	8.3	8.6	9.0	9.6	10.3	11.0	12.1	13.1	14.3	15.6
32.5°	7.8	8.3	8.7	9.1	9.7	10.5	11.3	12.4	13.5	14.7	16.0
31.25°	7.9	8.4	8.8	9.2	9.9	10.6	11.6	12.7	13.8	15.1	16.3
30°	8.0	8.5	8.8	9.3	10.0	10.8	11.8	12.9	14.1	15.4	16.7
28.75°	8.1	8.5	8.9	9.4	10.2	11.0	12.1	13.2	14.4	15.8	17.1
27.5°	8.1	8.6	9.0	9.5	10.3	11.2	12.3	13.4	14.8	16.1	17.5
26.25°	8.2	8.6	9.0	9.7	10.5	11.4	12.5	13.7	15.1	16.4	17.9
25°	8.3	8.7	9.1	9.8	10.6	11.6	12.7	14.0	15.3	16.7	18.3
23.75°	8.3	8.7	9.1	9.9	10.7	11.8	12.9	14.2	15.6	17.1	18.6
22.5°	8.4	8.8	9.2	10.0	10.8	12.0	13.1	14.5	15.9	17.4	19.0
21.25°	8.4	8.8	9.3	10.1	11.0	12.1	13.3	14.7	16.1	17.7	19.3
20°	8.4	8.9	9.4	10.2	11.1	12.3	13.5	14.9	16.4	18.0	19.6
18.75°	8.5	8.9	9.5	10.3	11.2	12.5	13.7	15.1	16.6	18.2	19.9
17.5°	8.5	8.9	9.5	10.4	11.4	12.6	13.9	15.3	16.8	18.5	20.1
16.25°	8.5	9.0	9.6	10.5	11.5	12.7	14.0	15.5	17.0	18.7	20.4
15°	8.6	9.0	9.7	10.6	11.6	12.9	14.2	15.7	17.3	18.9	20.6
13.75°	8.6	9.0	9.8	10.6	11.7	13.0	14.4	15.9	17.4	19.1	20.8
12.5°	8.6	9.1	9.8	10.7	11.8	13.1	14.5	16.0	17.6	19.3	21.0
11.25°	8.7	9.1	9.9	10.8	11.9	13.2	14.6	16.1	17.8	19.5	21.2
10°	8.7	9.1	9.9	10.8	12.0	13.3	14.7	16.3	17.9	19.6	21.4
8.75°	8.7	9.1	10.0	10.8	12.1	13.3	14.8	16.4	18.0	19.8	21.5
7.5°	8.7	9.2	10.0	10.9	12.1	13.4	14.9	16.4	18.1	19.9	21.6
6.25°	8.7	9.2	10.0	10.9	12.2	13.5	15.0	16.5	18.2	20.0	21.7
5°	8.7	9.2	10.1	11.0	12.2	13.5	15.0	16.6	18.3	20.1	21.8
3.75°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.6	18.4	20.1	21.9
2.5°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.7	18.4	20.2	21.9
1.25°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.7	18.4	20.2	21.9
0°	8.8	9.2	10.1	11.0	12.3	13.6	15.2	16.7	18.5	20.2	22.0
-1.25°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.7	18.4	20.2	21.9
-2.5°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.7	18.4	20.2	21.9
-3.75°	8.7	9.2	10.1	11.0	12.3	13.6	15.1	16.6	18.4	20.1	21.9
-5°	8.7	9.2	10.1	11.0	12.2	13.5	15.0	16.6	18.3	20.1	21.8
-6.25°	8.7	9.2	10.0	10.9	12.2	13.5	15.0	16.5	18.2	20.0	21.7
-7.5°	8.7	9.2	10.0	10.9	12.1	13.4	14.9	16.4	18.1	19.9	21.6
-8.75°	8.7	9.1	10.0	10.8	12.1	13.3	14.8	16.4	18.0	19.8	21.5
-10°	8.7	9.1	9.9	10.8	12.0	13.3	14.7	16.3	17.9	19.6	21.4
-11.25°	8.7	9.1	9.9	10.8	11.9	13.2	14.6	16.1	17.8	19.5	21.2
-12.5°	8.6	9.1	9.8	10.7	11.8	13.1	14.5	16.0	17.6	19.3	21.0
-13.75°	8.6	9.0	9.8	10.6	11.7	13.0	14.4	15.9	17.4	19.1	20.8
-15°	8.6	9.0	9.7	10.6	11.6	12.9	14.2	15.7	17.3	18.9	20.6
-16.25°	8.5	9.0	9.6	10.5	11.5	12.7	14.0	15.5	17.0	18.7	20.4
-17.5°	8.5	8.9	9.5	10.4	11.4	12.6	13.9	15.3	16.8	18.5	20.1
-18.75°	8.5	8.9	9.5	10.3	11.2	12.5	13.7	15.1	16.6	18.2	19.9
-20°	8.4	8.9	9.4	10.2	11.1	12.3	13.5	14.9	16.4	18.0	19.6
-21.25°	8.4	8.8	9.3	10.1	11.0	12.1	13.3	14.7	16.1	17.7	19.3



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	8.4	8.8	9.2	10.0	10.8	12.0	13.1	14.5	15.9	17.4	19.0
-23.75°	8.3	8.7	9.1	9.9	10.7	11.8	12.9	14.2	15.6	17.1	18.6
-25°	8.3	8.7	9.1	9.8	10.6	11.6	12.7	14.0	15.3	16.7	18.3
-26.25°	8.2	8.6	9.0	9.7	10.5	11.4	12.5	13.7	15.1	16.4	17.9
-27.5°	8.1	8.6	9.0	9.5	10.3	11.2	12.3	13.4	14.8	16.1	17.5
-28.75°	8.1	8.5	8.9	9.4	10.2	11.0	12.1	13.2	14.4	15.8	17.1
-30°	8.0	8.5	8.8	9.3	10.0	10.8	11.8	12.9	14.1	15.4	16.7
-31.25°	7.9	8.4	8.8	9.2	9.9	10.6	11.6	12.7	13.8	15.1	16.3
-32.5°	7.8	8.3	8.7	9.1	9.7	10.5	11.3	12.4	13.5	14.7	16.0
-33.75°	7.7	8.3	8.6	9.0	9.6	10.3	11.0	12.1	13.1	14.3	15.6
-35°	7.6	8.2	8.6	8.9	9.4	10.1	10.8	11.8	12.8	13.9	15.1
-36.25°	7.5	8.1	8.5	8.9	9.2	9.9	10.6	11.5	12.5	13.5	14.7
-37.5°	7.5	8.0	8.4	8.8	9.1	9.7	10.4	11.2	12.2	13.2	14.3
-38.75°	7.4	7.9	8.3	8.7	9.0	9.5	10.2	10.9	11.8	12.8	13.8
-40°	7.3	7.7	8.2	8.6	8.9	9.3	10.0	10.7	11.5	12.4	13.4
-41.25°	7.2	7.6	8.1	8.5	8.8	9.2	9.8	10.4	11.1	12.1	13.0
-42.5°	7.0	7.5	8.0	8.4	8.7	9.1	9.6	10.2	10.8	11.7	12.6
-43.75°	6.9	7.4	7.9	8.3	8.6	8.9	9.3	10.0	10.6	11.3	12.2
-45°	6.8	7.3	7.7	8.2	8.5	8.8	9.1	9.7	10.3	10.9	11.8
-46.25°	6.6	7.2	7.6	8.0	8.4	8.7	9.0	9.4	10.0	10.6	11.3
-47.5°	6.5	7.0	7.5	7.9	8.3	8.6	8.9	9.2	9.8	10.3	10.9
-48.75°	6.3	6.9	7.3	7.7	8.2	8.5	8.8	9.1	9.5	10.0	10.6
-50°	6.2	6.7	7.2	7.6	8.0	8.4	8.6	8.9	9.2	9.7	10.3
-51.25°	6.0	6.5	7.0	7.4	7.8	8.2	8.5	8.8	9.1	9.4	10.0
-52.5°	5.9	6.4	6.9	7.3	7.7	8.0	8.4	8.6	8.9	9.2	9.6
-53.75°	5.7	6.2	6.7	7.1	7.5	7.9	8.2	8.5	8.8	9.0	9.3
-55°	5.5	6.0	6.5	7.0	7.3	7.7	8.0	8.4	8.6	8.9	9.1
-56.25°	5.4	5.8	6.3	6.7	7.1	7.5	7.8	8.2	8.5	8.7	8.9
-57.5°	5.2	5.6	6.1	6.5	7.0	7.3	7.6	8.0	8.3	8.5	8.7
-58.75°	5.0	5.4	5.9	6.3	6.7	7.1	7.4	7.8	8.1	8.4	8.6
-60°	4.8	5.3	5.7	6.1	6.5	6.9	7.2	7.5	7.8	8.1	8.4
-61.25°	4.6	5.0	5.5	5.9	6.2	6.6	7.0	7.3	7.6	7.9	8.2
-62.5°	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	7.9
-63.75°	4.2	4.6	5.0	5.4	5.8	6.1	6.5	6.8	7.1	7.4	7.7
-65°	4.1	4.4	4.8	5.2	5.5	5.9	6.2	6.5	6.9	7.2	7.4
-66.25°	3.9	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.9	7.1
-67.5°	3.7	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.8
-68.75°	3.4	3.8	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5
-70°	3.2	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.6	5.9	6.1
-71.25°	3.0	3.3	3.6	3.9	4.2	4.4	4.7	5.0	5.3	5.5	5.8
-72.5°	2.7	3.0	3.3	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4
-73.75°	2.5	2.8	3.1	3.3	3.6	3.9	4.1	4.3	4.6	4.8	5.0
-75°	2.2	2.5	2.8	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.6
-76.25°	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.2
-77.5°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5
-80°	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.6	2.8	3.0
-81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5
-82.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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	1.5	1.5	1.6	1.7	1.8	1.9	1.9
83.75°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.3	2.4	2.5	2.6
82.5°	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
81.25°	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
80°	3.1	3.3	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
78.75°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1
77.5°	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.6
76.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.0	6.2
75°	4.8	5.0	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
73.75°	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.2
72.5°	5.6	5.9	6.1	6.3	6.5	6.7	7.0	7.1	7.3	7.4	7.6
71.25°	6.0	6.2	6.5	6.7	7.0	7.1	7.3	7.5	7.7	7.8	8.0
70°	6.4	6.6	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.4
68.75°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.6
67.5°	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.5	8.6	8.8	8.9
66.25°	7.4	7.6	7.8	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2
65°	7.7	7.9	8.1	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.7
63.75°	7.9	8.2	8.4	8.6	8.7	8.9	9.1	9.3	9.6	10.0	10.3
62.5°	8.2	8.4	8.6	8.8	9.0	9.2	9.5	9.8	10.2	10.5	10.8
61.25°	8.4	8.6	8.8	9.0	9.2	9.6	9.9	10.3	10.7	11.0	11.5
60°	8.6	8.8	9.0	9.2	9.6	10.0	10.4	10.8	11.2	11.8	12.3
58.75°	8.8	9.0	9.2	9.6	10.1	10.5	10.9	11.4	11.9	12.5	13.1
57.5°	9.0	9.2	9.6	10.1	10.5	10.9	11.5	12.1	12.7	13.2	13.9
56.25°	9.2	9.6	10.0	10.5	10.9	11.5	12.1	12.7	13.4	14.0	14.7
55°	9.5	9.9	10.4	10.9	11.5	12.1	12.8	13.4	14.1	14.9	15.6
53.75°	9.8	10.3	10.8	11.4	12.1	12.7	13.4	14.2	15.0	15.7	16.5
52.5°	10.2	10.7	11.2	11.9	12.7	13.4	14.1	15.0	15.8	16.6	17.4
51.25°	10.5	11.0	11.8	12.5	13.2	14.0	14.9	15.7	16.6	17.5	18.4
50°	10.8	11.5	12.3	13.1	13.9	14.7	15.6	16.5	17.4	18.4	19.4
48.75°	11.2	12.0	12.8	13.6	14.5	15.4	16.4	17.3	18.3	19.3	20.3
47.5°	11.7	12.5	13.3	14.2	15.2	16.1	17.1	18.2	19.2	20.2	21.2
46.25°	12.2	13.0	13.9	14.9	15.8	16.8	17.9	19.0	20.1	21.1	22.1
45°	12.6	13.5	14.5	15.5	16.5	17.6	18.7	19.8	20.9	22.0	23.0
43.75°	13.1	14.0	15.1	16.1	17.2	18.3	19.5	20.6	21.7	22.8	23.8
42.5°	13.5	14.6	15.6	16.7	17.9	19.1	20.2	21.4	22.5	23.7	24.4
41.25°	14.0	15.1	16.2	17.3	18.6	19.8	21.0	22.2	23.3	24.2	24.9
40°	14.5	15.6	16.7	18.0	19.2	20.5	21.7	22.9	24.0	24.7	25.5
38.75°	15.0	16.1	17.3	18.6	19.9	21.1	22.4	23.6	24.4	25.2	26.0
37.5°	15.4	16.6	17.9	19.2	20.5	21.8	23.1	24.1	24.9	25.7	26.6
36.25°	15.9	17.2	18.5	19.8	21.1	22.5	23.7	24.6	25.4	26.2	27.2
35°	16.4	17.7	19.0	20.4	21.8	23.1	24.2	25.0	25.8	26.8	27.7



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	16.8	18.2	19.6	21.0	22.3	23.7	24.6	25.4	26.3	27.3	28.3
32.5°	17.3	18.7	20.1	21.5	22.9	24.1	25.0	25.8	26.8	27.8	28.6
31.25°	17.8	19.2	20.6	22.1	23.5	24.5	25.3	26.3	27.3	28.3	28.8
30°	18.2	19.7	21.1	22.6	23.9	24.8	25.7	26.7	27.8	28.6	29.0
28.75°	18.6	20.1	21.6	23.1	24.2	25.2	26.1	27.2	28.2	28.8	29.1
27.5°	19.0	20.6	22.1	23.6	24.5	25.5	26.5	27.6	28.6	28.9	29.3
26.25°	19.5	21.0	22.5	23.9	24.9	25.8	26.9	28.0	28.7	29.1	29.4
25°	19.8	21.4	22.9	24.2	25.1	26.1	27.3	28.4	28.9	29.2	29.4
23.75°	20.2	21.8	23.3	24.4	25.4	26.5	27.6	28.6	29.0	29.4	29.4
22.5°	20.6	22.1	23.7	24.7	25.7	26.8	28.0	28.7	29.1	29.4	29.4
21.25°	20.9	22.5	23.9	24.9	26.0	27.1	28.3	28.8	29.2	29.4	29.4
20°	21.2	22.8	24.2	25.2	26.2	27.4	28.5	29.0	29.4	29.4	29.4
18.75°	21.5	23.1	24.4	25.4	26.5	27.7	28.6	29.1	29.4	29.4	29.4
17.5°	21.8	23.4	24.6	25.6	26.8	28.0	28.7	29.2	29.4	29.4	29.4
16.25°	22.0	23.7	24.7	25.8	27.0	28.2	28.8	29.3	29.4	29.4	29.4
15°	22.3	23.9	24.9	26.0	27.2	28.5	28.9	29.3	29.4	29.4	29.4
13.75°	22.5	24.0	25.1	26.2	27.4	28.6	29.0	29.4	29.4	29.4	29.4
12.5°	22.7	24.1	25.2	26.3	27.6	28.6	29.1	29.4	29.4	29.4	29.4
11.25°	22.9	24.3	25.3	26.5	27.8	28.7	29.1	29.4	29.4	29.4	29.4
10°	23.1	24.4	25.5	26.7	27.9	28.7	29.2	29.4	29.4	29.4	29.4
8.75°	23.2	24.5	25.6	26.8	28.1	28.8	29.2	29.4	29.4	29.4	29.4
7.5°	23.3	24.6	25.7	26.9	28.2	28.8	29.3	29.4	29.4	29.4	29.4
6.25°	23.5	24.6	25.7	27.0	28.3	28.9	29.3	29.4	29.4	29.4	29.4
5°	23.5	24.7	25.8	27.1	28.4	28.9	29.3	29.4	29.4	29.4	29.4
3.75°	23.6	24.7	25.8	27.1	28.4	28.9	29.4	29.4	29.4	29.4	29.4
2.5°	23.7	24.8	25.9	27.2	28.5	28.9	29.4	29.4	29.4	29.4	29.4
1.25°	23.7	24.8	25.9	27.2	28.5	28.9	29.4	29.4	29.4	29.4	29.4
0°	23.7	24.8	25.9	27.2	28.5	29.0	29.4	29.4	29.4	29.4	29.4
-1.25°	23.7	24.8	25.9	27.2	28.5	28.9	29.4	29.4	29.4	29.4	29.4
-2.5°	23.7	24.8	25.9	27.2	28.5	28.9	29.4	29.4	29.4	29.4	29.4
-3.75°	23.6	24.7	25.8	27.1	28.4	28.9	29.4	29.4	29.4	29.4	29.4
-5°	23.5	24.7	25.8	27.1	28.4	28.9	29.3	29.4	29.4	29.4	29.4
-6.25°	23.5	24.6	25.7	27.0	28.3	28.9	29.3	29.4	29.4	29.4	29.4
-7.5°	23.3	24.6	25.7	26.9	28.2	28.8	29.3	29.4	29.4	29.4	29.4
-8.75°	23.2	24.5	25.6	26.8	28.1	28.8	29.2	29.4	29.4	29.4	29.4
-10°	23.1	24.4	25.5	26.7	27.9	28.7	29.2	29.4	29.4	29.4	29.4
-11.25°	22.9	24.3	25.3	26.5	27.8	28.7	29.1	29.4	29.4	29.4	29.4
-12.5°	22.7	24.1	25.2	26.3	27.6	28.6	29.1	29.4	29.4	29.4	29.4
-13.75°	22.5	24.0	25.1	26.2	27.4	28.6	29.0	29.4	29.4	29.4	29.4
-15°	22.3	23.9	24.9	26.0	27.2	28.5	28.9	29.3	29.4	29.4	29.4
-16.25°	22.0	23.7	24.7	25.8	27.0	28.2	28.8	29.3	29.4	29.4	29.4
-17.5°	21.8	23.4	24.6	25.6	26.8	28.0	28.7	29.2	29.4	29.4	29.4
-18.75°	21.5	23.1	24.4	25.4	26.5	27.7	28.6	29.1	29.4	29.4	29.4
-20°	21.2	22.8	24.2	25.2	26.2	27.4	28.5	29.0	29.4	29.4	29.4
-21.25°	20.9	22.5	23.9	24.9	26.0	27.1	28.3	28.8	29.2	29.4	29.4



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	20.6	22.1	23.7	24.7	25.7	26.8	28.0	28.7	29.1	29.4	29.4
-23.75°	20.2	21.8	23.3	24.4	25.4	26.5	27.6	28.6	29.0	29.4	29.4
-25°	19.8	21.4	22.9	24.2	25.1	26.1	27.3	28.4	28.9	29.2	29.4
-26.25°	19.5	21.0	22.5	23.9	24.9	25.8	26.9	28.0	28.7	29.1	29.4
-27.5°	19.0	20.6	22.1	23.6	24.5	25.5	26.5	27.6	28.6	28.9	29.3
-28.75°	18.6	20.1	21.6	23.1	24.2	25.2	26.1	27.2	28.2	28.8	29.1
-30°	18.2	19.7	21.1	22.6	23.9	24.8	25.7	26.7	27.8	28.6	29.0
-31.25°	17.8	19.2	20.6	22.1	23.5	24.5	25.3	26.3	27.3	28.3	28.8
-32.5°	17.3	18.7	20.1	21.5	22.9	24.1	25.0	25.8	26.8	27.8	28.6
-33.75°	16.8	18.2	19.6	21.0	22.3	23.7	24.6	25.4	26.3	27.3	28.3
-35°	16.4	17.7	19.0	20.4	21.8	23.1	24.2	25.0	25.8	26.8	27.7
-36.25°	15.9	17.2	18.5	19.8	21.1	22.5	23.7	24.6	25.4	26.2	27.2
-37.5°	15.4	16.6	17.9	19.2	20.5	21.8	23.1	24.1	24.9	25.7	26.6
-38.75°	15.0	16.1	17.3	18.6	19.9	21.1	22.4	23.6	24.4	25.2	26.0
-40°	14.5	15.6	16.7	18.0	19.2	20.5	21.7	22.9	24.0	24.7	25.5
-41.25°	14.0	15.1	16.2	17.3	18.6	19.8	21.0	22.2	23.3	24.2	24.9
-42.5°	13.5	14.6	15.6	16.7	17.9	19.1	20.2	21.4	22.5	23.7	24.4
-43.75°	13.1	14.0	15.1	16.1	17.2	18.3	19.5	20.6	21.7	22.8	23.8
-45°	12.6	13.5	14.5	15.5	16.5	17.6	18.7	19.8	20.9	22.0	23.0
-46.25°	12.2	13.0	13.9	14.9	15.8	16.8	17.9	19.0	20.1	21.1	22.1
-47.5°	11.7	12.5	13.3	14.2	15.2	16.1	17.1	18.2	19.2	20.2	21.2
-48.75°	11.2	12.0	12.8	13.6	14.5	15.4	16.4	17.3	18.3	19.3	20.3
-50°	10.8	11.5	12.3	13.1	13.9	14.7	15.6	16.5	17.4	18.4	19.4
-51.25°	10.5	11.0	11.8	12.5	13.2	14.0	14.9	15.7	16.6	17.5	18.4
-52.5°	10.2	10.7	11.2	11.9	12.7	13.4	14.1	15.0	15.8	16.6	17.4
-53.75°	9.8	10.3	10.8	11.4	12.1	12.7	13.4	14.2	15.0	15.7	16.5
-55°	9.5	9.9	10.4	10.9	11.5	12.1	12.8	13.4	14.1	14.9	15.6
-56.25°	9.2	9.6	10.0	10.5	10.9	11.5	12.1	12.7	13.4	14.0	14.7
-57.5°	9.0	9.2	9.6	10.1	10.5	10.9	11.5	12.1	12.7	13.2	13.9
-58.75°	8.8	9.0	9.2	9.6	10.1	10.5	10.9	11.4	11.9	12.5	13.1
-60°	8.6	8.8	9.0	9.2	9.6	10.0	10.4	10.8	11.2	11.8	12.3
-61.25°	8.4	8.6	8.8	9.0	9.2	9.6	9.9	10.3	10.7	11.0	11.5
-62.5°	8.2	8.4	8.6	8.8	9.0	9.2	9.5	9.8	10.2	10.5	10.8
-63.75°	7.9	8.2	8.4	8.6	8.7	8.9	9.1	9.3	9.6	10.0	10.3
-65°	7.7	7.9	8.1	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.7
-66.25°	7.4	7.6	7.8	8.1	8.3	8.5	8.6	8.8	8.9	9.1	9.2
-67.5°	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.5	8.6	8.8	8.9
-68.75°	6.8	7.0	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.5	8.6
-70°	6.4	6.6	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.2	8.4
-71.25°	6.0	6.2	6.5	6.7	7.0	7.1	7.3	7.5	7.7	7.8	8.0
-72.5°	5.6	5.9	6.1	6.3	6.5	6.7	7.0	7.1	7.3	7.4	7.6
-73.75°	5.2	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.0	7.2
-75°	4.8	5.0	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
-76.25°	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.0	6.2
-77.5°	4.0	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.6



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.0	5.1
-80°	3.1	3.3	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
-81.25°	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
-82.5°	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
-83.75°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.3	2.4	2.5	2.6
-85°	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.7	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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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	1.5	1.5	1.6	1.6	1.7	1.7	1.8
85°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
83.75°	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.5
82.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3
81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
80°	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
78.75°	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.2	6.3	6.4
77.5°	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.0
76.25°	6.3	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.5
75°	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.9	8.0	8.1
73.75°	7.3	7.5	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5
72.5°	7.7	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
71.25°	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
70°	8.5	8.6	8.7	8.8	8.9	9.1	9.2	9.3	9.5	9.7	9.9
68.75°	8.8	8.9	9.0	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
67.5°	9.1	9.2	9.4	9.7	10.0	10.2	10.4	10.7	10.9	11.2	11.5
66.25°	9.5	9.8	10.0	10.3	10.6	10.8	11.1	11.5	11.8	12.2	12.5
65°	10.0	10.3	10.6	10.9	11.3	11.7	12.1	12.4	12.8	13.2	13.5
63.75°	10.6	10.9	11.3	11.8	12.2	12.6	13.0	13.4	13.8	14.3	14.7
62.5°	11.2	11.7	12.2	12.6	13.1	13.5	14.0	14.5	15.0	15.4	15.9
61.25°	12.0	12.5	13.0	13.5	14.0	14.6	15.1	15.6	16.1	16.6	17.2
60°	12.8	13.3	13.9	14.5	15.1	15.6	16.2	16.7	17.3	17.9	18.5
58.75°	13.6	14.2	14.9	15.5	16.1	16.7	17.3	18.0	18.6	19.2	19.8
57.5°	14.5	15.2	15.8	16.5	17.2	17.9	18.6	19.2	19.9	20.5	21.1
56.25°	15.4	16.1	16.8	17.6	18.3	19.1	19.8	20.5	21.1	21.8	22.5
55°	16.4	17.1	17.9	18.7	19.5	20.2	21.0	21.7	22.4	23.1	23.7
53.75°	17.3	18.2	19.0	19.8	20.6	21.4	22.2	22.9	23.6	24.1	24.6
52.5°	18.3	19.2	20.1	20.9	21.7	22.5	23.3	24.0	24.4	24.9	25.4
51.25°	19.3	20.2	21.1	22.0	22.8	23.7	24.2	24.7	25.2	25.7	26.2
50°	20.3	21.2	22.1	23.0	23.8	24.4	24.9	25.5	26.0	26.6	27.2
48.75°	21.3	22.2	23.2	24.0	24.5	25.1	25.7	26.3	26.9	27.5	28.1
47.5°	22.2	23.2	24.0	24.6	25.2	25.8	26.4	27.1	27.8	28.4	28.7
46.25°	23.2	24.0	24.6	25.3	25.9	26.6	27.3	28.0	28.5	28.8	29.0
45°	24.0	24.6	25.3	25.9	26.6	27.4	28.1	28.6	28.8	29.1	29.3
43.75°	24.5	25.2	25.9	26.6	27.4	28.2	28.6	28.9	29.1	29.4	29.4
42.5°	25.1	25.8	26.6	27.4	28.2	28.7	28.9	29.2	29.4	29.4	29.4
41.25°	25.7	26.4	27.3	28.1	28.6	28.9	29.2	29.4	29.4	29.4	29.4
40°	26.3	27.1	28.0	28.6	28.9	29.2	29.4	29.4	29.4	29.4	29.4
38.75°	26.9	27.8	28.5	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4
37.5°	27.5	28.4	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4
36.25°	28.1	28.7	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.6
35°	28.6	28.9	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.6	29.8



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.1
32.5°	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.0	30.4
31.25°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.7	30.0	30.3	30.8
30°	29.3	29.4	29.4	29.4	29.4	29.4	29.6	29.9	30.2	30.7	31.2
28.75°	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.1	30.6	31.1	31.6
27.5°	29.4	29.4	29.4	29.4	29.4	29.7	30.0	30.4	30.9	31.4	31.9
26.25°	29.4	29.4	29.4	29.4	29.5	29.8	30.2	30.7	31.3	31.8	32.3
25°	29.4	29.4	29.4	29.4	29.7	30.0	30.5	31.0	31.6	32.1	32.6
23.75°	29.4	29.4	29.4	29.5	29.8	30.2	30.8	31.3	31.9	32.4	32.9
22.5°	29.4	29.4	29.4	29.7	30.0	30.4	31.0	31.6	32.2	32.7	33.2
21.25°	29.4	29.4	29.4	29.8	30.1	30.7	31.3	31.9	32.4	33.0	33.5
20°	29.4	29.4	29.6	29.9	30.3	31.0	31.6	32.1	32.7	33.3	33.8
18.75°	29.4	29.4	29.7	30.1	30.6	31.2	31.8	32.4	33.0	33.5	34.1
17.5°	29.4	29.4	29.8	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.3
16.25°	29.4	29.5	29.9	30.3	31.0	31.6	32.2	32.8	33.4	34.0	34.6
15°	29.4	29.6	30.0	30.5	31.2	31.8	32.4	33.0	33.6	34.2	34.8
13.75°	29.4	29.7	30.1	30.7	31.4	32.0	32.6	33.2	33.8	34.4	35.0
12.5°	29.4	29.8	30.2	30.8	31.5	32.1	32.8	33.4	34.0	34.6	35.2
11.25°	29.5	29.9	30.3	31.0	31.7	32.3	32.9	33.5	34.1	34.8	35.4
10°	29.6	29.9	30.4	31.1	31.8	32.4	33.0	33.7	34.3	34.9	35.6
8.75°	29.6	30.0	30.5	31.2	31.9	32.5	33.2	33.8	34.4	35.1	35.9
7.5°	29.7	30.1	30.6	31.3	32.0	32.6	33.3	33.9	34.5	35.2	36.1
6.25°	29.7	30.1	30.7	31.4	32.1	32.7	33.3	34.0	34.6	35.3	36.3
5°	29.7	30.1	30.8	31.5	32.1	32.8	33.4	34.1	34.7	35.4	36.5
3.75°	29.8	30.2	30.8	31.5	32.2	32.8	33.5	34.1	34.8	35.4	36.6
2.5°	29.8	30.2	30.9	31.6	32.2	32.9	33.5	34.2	34.8	35.5	36.7
1.25°	29.8	30.2	30.9	31.6	32.2	32.9	33.5	34.2	34.8	35.5	36.8
0°	29.8	30.2	30.9	31.6	32.3	32.9	33.6	34.2	34.9	35.5	36.8
-1.25°	29.8	30.2	30.9	31.6	32.2	32.9	33.5	34.2	34.8	35.5	36.8
-2.5°	29.8	30.2	30.9	31.6	32.2	32.9	33.5	34.2	34.8	35.5	36.7
-3.75°	29.8	30.2	30.8	31.5	32.2	32.8	33.5	34.1	34.8	35.4	36.6
-5°	29.7	30.1	30.8	31.5	32.1	32.8	33.4	34.1	34.7	35.4	36.5
-6.25°	29.7	30.1	30.7	31.4	32.1	32.7	33.3	34.0	34.6	35.3	36.3
-7.5°	29.7	30.1	30.6	31.3	32.0	32.6	33.3	33.9	34.5	35.2	36.1
-8.75°	29.6	30.0	30.5	31.2	31.9	32.5	33.2	33.8	34.4	35.1	35.9
-10°	29.6	29.9	30.4	31.1	31.8	32.4	33.0	33.7	34.3	34.9	35.6
-11.25°	29.5	29.9	30.3	31.0	31.7	32.3	32.9	33.5	34.1	34.8	35.4
-12.5°	29.4	29.8	30.2	30.8	31.5	32.1	32.8	33.4	34.0	34.6	35.2
-13.75°	29.4	29.7	30.1	30.7	31.4	32.0	32.6	33.2	33.8	34.4	35.0
-15°	29.4	29.6	30.0	30.5	31.2	31.8	32.4	33.0	33.6	34.2	34.8
-16.25°	29.4	29.5	29.9	30.3	31.0	31.6	32.2	32.8	33.4	34.0	34.6
-17.5°	29.4	29.4	29.8	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.3
-18.75°	29.4	29.4	29.7	30.1	30.6	31.2	31.8	32.4	33.0	33.5	34.1
-20°	29.4	29.4	29.6	29.9	30.3	31.0	31.6	32.1	32.7	33.3	33.8
-21.25°	29.4	29.4	29.4	29.8	30.1	30.7	31.3	31.9	32.4	33.0	33.5



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	29.4	29.4	29.4	29.7	30.0	30.4	31.0	31.6	32.2	32.7	33.2
-23.75°	29.4	29.4	29.4	29.5	29.8	30.2	30.8	31.3	31.9	32.4	32.9
-25°	29.4	29.4	29.4	29.4	29.7	30.0	30.5	31.0	31.6	32.1	32.6
-26.25°	29.4	29.4	29.4	29.4	29.5	29.8	30.2	30.7	31.3	31.8	32.3
-27.5°	29.4	29.4	29.4	29.4	29.4	29.7	30.0	30.4	30.9	31.4	31.9
-28.75°	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.1	30.6	31.1	31.6
-30°	29.3	29.4	29.4	29.4	29.4	29.4	29.6	29.9	30.2	30.7	31.2
-31.25°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.7	30.0	30.3	30.8
-32.5°	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.0	30.4
-33.75°	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.8	30.1
-35°	28.6	28.9	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.6	29.8
-36.25°	28.1	28.7	29.0	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.6
-37.5°	27.5	28.4	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-38.75°	26.9	27.8	28.5	28.8	29.1	29.4	29.4	29.4	29.4	29.4	29.4
-40°	26.3	27.1	28.0	28.6	28.9	29.2	29.4	29.4	29.4	29.4	29.4
-41.25°	25.7	26.4	27.3	28.1	28.6	28.9	29.2	29.4	29.4	29.4	29.4
-42.5°	25.1	25.8	26.6	27.4	28.2	28.7	28.9	29.2	29.4	29.4	29.4
-43.75°	24.5	25.2	25.9	26.6	27.4	28.2	28.6	28.9	29.1	29.4	29.4
-45°	24.0	24.6	25.3	25.9	26.6	27.4	28.1	28.6	28.8	29.1	29.3
-46.25°	23.2	24.0	24.6	25.3	25.9	26.6	27.3	28.0	28.5	28.8	29.0
-47.5°	22.2	23.2	24.0	24.6	25.2	25.8	26.4	27.1	27.8	28.4	28.7
-48.75°	21.3	22.2	23.2	24.0	24.5	25.1	25.7	26.3	26.9	27.5	28.1
-50°	20.3	21.2	22.1	23.0	23.8	24.4	24.9	25.5	26.0	26.6	27.2
-51.25°	19.3	20.2	21.1	22.0	22.8	23.7	24.2	24.7	25.2	25.7	26.2
-52.5°	18.3	19.2	20.1	20.9	21.7	22.5	23.3	24.0	24.4	24.9	25.4
-53.75°	17.3	18.2	19.0	19.8	20.6	21.4	22.2	22.9	23.6	24.1	24.6
-55°	16.4	17.1	17.9	18.7	19.5	20.2	21.0	21.7	22.4	23.1	23.7
-56.25°	15.4	16.1	16.8	17.6	18.3	19.1	19.8	20.5	21.1	21.8	22.5
-57.5°	14.5	15.2	15.8	16.5	17.2	17.9	18.6	19.2	19.9	20.5	21.1
-58.75°	13.6	14.2	14.9	15.5	16.1	16.7	17.3	18.0	18.6	19.2	19.8
-60°	12.8	13.3	13.9	14.5	15.1	15.6	16.2	16.7	17.3	17.9	18.5
-61.25°	12.0	12.5	13.0	13.5	14.0	14.6	15.1	15.6	16.1	16.6	17.2
-62.5°	11.2	11.7	12.2	12.6	13.1	13.5	14.0	14.5	15.0	15.4	15.9
-63.75°	10.6	10.9	11.3	11.8	12.2	12.6	13.0	13.4	13.8	14.3	14.7
-65°	10.0	10.3	10.6	10.9	11.3	11.7	12.1	12.4	12.8	13.2	13.5
-66.25°	9.5	9.8	10.0	10.3	10.6	10.8	11.1	11.5	11.8	12.2	12.5
-67.5°	9.1	9.2	9.4	9.7	10.0	10.2	10.4	10.7	10.9	11.2	11.5
-68.75°	8.8	8.9	9.0	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6
-70°	8.5	8.6	8.7	8.8	8.9	9.1	9.2	9.3	9.5	9.7	9.9
-71.25°	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2
-72.5°	7.7	7.9	8.0	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9
-73.75°	7.3	7.5	7.6	7.7	7.9	8.0	8.1	8.2	8.3	8.4	8.5
-75°	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.9	8.0	8.1
-76.25°	6.3	6.5	6.6	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.5
-77.5°	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.0



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	5.2	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.2	6.3	6.4
-80°	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7
-81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-82.5°	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3
-83.75°	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.5
-85°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
-86.25°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
85°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.1
82.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
81.25°	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.7
80°	5.8	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5
78.75°	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.2
77.5°	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.8
76.25°	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4
75°	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8
73.75°	8.6	8.6	8.7	8.8	8.8	8.9	9.0	9.0	9.1	9.1	9.2
72.5°	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.7	9.8	9.9	10.0
71.25°	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8
70°	10.1	10.3	10.5	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0
68.75°	10.8	11.0	11.3	11.6	11.8	12.1	12.3	12.5	12.7	12.9	13.1
67.5°	11.8	12.1	12.4	12.7	12.9	13.2	13.4	13.7	14.0	14.2	14.5
66.25°	12.8	13.1	13.5	13.8	14.1	14.4	14.8	15.1	15.3	15.6	15.9
65°	13.9	14.3	14.7	15.1	15.4	15.8	16.1	16.4	16.7	17.1	17.4
63.75°	15.1	15.6	16.0	16.3	16.7	17.1	17.5	17.9	18.3	18.6	19.0
62.5°	16.4	16.8	17.3	17.8	18.2	18.6	19.0	19.5	19.8	20.2	20.6
61.25°	17.7	18.2	18.7	19.2	19.7	20.1	20.6	21.0	21.4	21.8	22.1
60°	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.5	22.9	23.3	23.7
58.75°	20.4	21.0	21.5	22.1	22.6	23.1	23.6	23.9	24.2	24.4	24.7
57.5°	21.8	22.3	22.9	23.5	23.9	24.2	24.5	24.9	25.1	25.4	25.7
56.25°	23.1	23.7	24.1	24.5	24.8	25.2	25.5	25.8	26.1	26.5	26.8
55°	24.2	24.6	25.0	25.3	25.7	26.1	26.5	26.9	27.3	27.6	28.0
53.75°	25.0	25.4	25.8	26.3	26.7	27.2	27.6	28.0	28.4	28.6	28.7
52.5°	25.8	26.3	26.8	27.3	27.8	28.2	28.6	28.7	28.9	29.0	29.1
51.25°	26.8	27.3	27.8	28.3	28.6	28.8	28.9	29.1	29.2	29.4	29.4
50°	27.7	28.3	28.6	28.8	29.0	29.1	29.3	29.4	29.4	29.4	29.4
48.75°	28.6	28.8	29.0	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4
47.5°	28.9	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
46.25°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
45°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7
43.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.8	30.0
42.5°	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.8	30.0	30.2	30.4
41.25°	29.4	29.4	29.4	29.4	29.6	29.8	30.0	30.2	30.5	30.8	31.0
40°	29.4	29.4	29.5	29.7	29.9	30.1	30.4	30.7	31.0	31.3	31.6
38.75°	29.4	29.5	29.8	30.0	30.2	30.6	30.9	31.3	31.6	31.9	32.2
37.5°	29.6	29.8	30.0	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.7
36.25°	29.8	30.1	30.4	30.8	31.2	31.6	31.9	32.3	32.6	32.9	33.2
35°	30.1	30.4	30.9	31.3	31.7	32.1	32.4	32.8	33.1	33.5	33.8



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	30.4	30.9	31.3	31.8	32.2	32.5	32.9	33.3	33.6	34.0	34.3
32.5°	30.9	31.3	31.8	32.2	32.6	33.0	33.4	33.8	34.1	34.5	34.8
31.25°	31.3	31.8	32.2	32.6	33.0	33.4	33.8	34.2	34.6	35.0	35.3
30°	31.7	32.2	32.6	33.0	33.5	33.9	34.3	34.7	35.1	35.5	36.2
28.75°	32.1	32.5	33.0	33.4	33.9	34.3	34.7	35.2	35.6	36.4	37.2
27.5°	32.4	32.9	33.4	33.8	34.3	34.7	35.2	35.7	36.5	37.4	38.2
26.25°	32.8	33.3	33.8	34.2	34.7	35.2	35.7	36.6	37.4	38.6	41.0
25°	33.1	33.6	34.1	34.6	35.1	35.6	36.5	37.4	38.8	41.3	43.7
23.75°	33.5	34.0	34.5	35.0	35.5	36.4	37.4	38.6	41.3	43.8	46.4
22.5°	33.8	34.3	34.8	35.3	36.2	37.2	38.2	41.0	43.7	46.4	49.5
21.25°	34.1	34.6	35.1	35.8	36.9	37.9	40.4	43.2	46.1	49.3	52.4
20°	34.4	34.9	35.5	36.5	37.5	39.5	42.5	45.4	48.7	52.0	55.8
18.75°	34.7	35.2	36.0	37.1	38.4	41.5	44.5	47.8	51.3	54.9	60.5
17.5°	34.9	35.5	36.6	37.7	40.2	43.3	46.6	50.2	53.7	59.0	72.7
16.25°	35.2	36.0	37.1	38.6	41.8	45.1	48.7	52.4	57.1	68.1	95.4
15°	35.4	36.5	37.6	40.1	43.4	46.9	50.7	54.6	61.6	81.8	124.3
13.75°	35.7	36.9	38.1	41.5	44.9	48.7	52.6	57.8	71.2	105.5	159.0
12.5°	36.1	37.3	39.4	42.8	46.4	50.4	54.4	62.0	85.2	132.7	195.1
11.25°	36.5	37.7	40.5	44.0	47.9	51.9	57.0	69.8	104.6	161.3	229.9
10°	36.8	38.1	41.6	45.1	49.2	53.3	59.4	77.7	125.3	190.3	264.1
8.75°	37.1	38.9	42.5	46.2	50.4	54.7	64.1	92.8	147.5	217.5	295.1
7.5°	37.4	39.7	43.3	47.2	51.4	56.5	69.4	106.1	167.1	242.2	322.4
6.25°	37.6	40.3	44.0	48.0	52.3	58.0	73.9	118.5	186.3	264.4	345.9
5°	37.8	40.9	44.6	48.7	53.1	59.3	79.5	131.6	202.4	282.8	365.4
3.75°	37.9	41.3	45.0	49.3	53.7	60.5	86.5	141.9	215.0	297.2	380.7
2.5°	38.0	41.6	45.3	49.7	54.1	62.5	91.5	149.3	224.1	307.6	391.7
1.25°	38.1	41.8	45.5	49.9	54.3	63.7	94.5	153.8	229.6	313.9	398.4
0°	38.1	41.9	45.6	50.0	54.4	64.2	95.6	155.3	231.4	316.0	400.6
-1.25°	38.1	41.8	45.5	49.9	54.3	63.7	94.5	153.8	229.6	313.9	398.4
-2.5°	38.0	41.6	45.3	49.7	54.1	62.5	91.5	149.3	224.1	307.6	391.7
-3.75°	37.9	41.3	45.0	49.3	53.7	60.5	86.5	141.9	215.0	297.2	380.7
-5°	37.8	40.9	44.6	48.7	53.1	59.3	79.5	131.6	202.4	282.8	365.4
-6.25°	37.6	40.3	44.0	48.0	52.3	58.0	73.9	118.5	186.3	264.4	345.9
-7.5°	37.4	39.7	43.3	47.2	51.4	56.5	69.4	106.1	167.1	242.2	322.4
-8.75°	37.1	38.9	42.5	46.2	50.4	54.7	64.1	92.8	147.5	217.5	295.1
-10°	36.8	38.1	41.6	45.1	49.2	53.3	59.4	77.7	125.3	190.3	264.1
-11.25°	36.5	37.7	40.5	44.0	47.9	51.9	57.0	69.8	104.6	161.3	229.9
-12.5°	36.1	37.3	39.4	42.8	46.4	50.4	54.4	62.0	85.2	132.7	195.1
-13.75°	35.7	36.9	38.1	41.5	44.9	48.7	52.6	57.8	71.2	105.5	159.0
-15°	35.4	36.5	37.6	40.1	43.4	46.9	50.7	54.6	61.6	81.8	124.3
-16.25°	35.2	36.0	37.1	38.6	41.8	45.1	48.7	52.4	57.1	68.1	95.4
-17.5°	34.9	35.5	36.6	37.7	40.2	43.3	46.6	50.2	53.7	59.0	72.7
-18.75°	34.7	35.2	36.0	37.1	38.4	41.5	44.5	47.8	51.3	54.9	60.5
-20°	34.4	34.9	35.5	36.5	37.5	39.5	42.5	45.4	48.7	52.0	55.8
-21.25°	34.1	34.6	35.1	35.8	36.9	37.9	40.4	43.2	46.1	49.3	52.4



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	33.8	34.3	34.8	35.3	36.2	37.2	38.2	41.0	43.7	46.4	49.5
-23.75°	33.5	34.0	34.5	35.0	35.5	36.4	37.4	38.6	41.3	43.8	46.4
-25°	33.1	33.6	34.1	34.6	35.1	35.6	36.5	37.4	38.8	41.3	43.7
-26.25°	32.8	33.3	33.8	34.2	34.7	35.2	35.7	36.6	37.4	38.6	41.0
-27.5°	32.4	32.9	33.4	33.8	34.3	34.7	35.2	35.7	36.5	37.4	38.2
-28.75°	32.1	32.5	33.0	33.4	33.9	34.3	34.7	35.2	35.6	36.4	37.2
-30°	31.7	32.2	32.6	33.0	33.5	33.9	34.3	34.7	35.1	35.5	36.2
-31.25°	31.3	31.8	32.2	32.6	33.0	33.4	33.8	34.2	34.6	35.0	35.3
-32.5°	30.9	31.3	31.8	32.2	32.6	33.0	33.4	33.8	34.1	34.5	34.8
-33.75°	30.4	30.9	31.3	31.8	32.2	32.5	32.9	33.3	33.6	34.0	34.3
-35°	30.1	30.4	30.9	31.3	31.7	32.1	32.4	32.8	33.1	33.5	33.8
-36.25°	29.8	30.1	30.4	30.8	31.2	31.6	31.9	32.3	32.6	32.9	33.2
-37.5°	29.6	29.8	30.0	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.7
-38.75°	29.4	29.5	29.8	30.0	30.2	30.6	30.9	31.3	31.6	31.9	32.2
-40°	29.4	29.4	29.5	29.7	29.9	30.1	30.4	30.7	31.0	31.3	31.6
-41.25°	29.4	29.4	29.4	29.4	29.6	29.8	30.0	30.2	30.5	30.8	31.0
-42.5°	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.8	30.0	30.2	30.4
-43.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7	29.8	30.0
-45°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.7
-46.25°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-47.5°	28.9	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-48.75°	28.6	28.8	29.0	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.4
-50°	27.7	28.3	28.6	28.8	29.0	29.1	29.3	29.4	29.4	29.4	29.4
-51.25°	26.8	27.3	27.8	28.3	28.6	28.8	28.9	29.1	29.2	29.4	29.4
-52.5°	25.8	26.3	26.8	27.3	27.8	28.2	28.6	28.7	28.9	29.0	29.1
-53.75°	25.0	25.4	25.8	26.3	26.7	27.2	27.6	28.0	28.4	28.6	28.7
-55°	24.2	24.6	25.0	25.3	25.7	26.1	26.5	26.9	27.3	27.6	28.0
-56.25°	23.1	23.7	24.1	24.5	24.8	25.2	25.5	25.8	26.1	26.5	26.8
-57.5°	21.8	22.3	22.9	23.5	23.9	24.2	24.5	24.9	25.1	25.4	25.7
-58.75°	20.4	21.0	21.5	22.1	22.6	23.1	23.6	23.9	24.2	24.4	24.7
-60°	19.0	19.6	20.1	20.6	21.1	21.6	22.1	22.5	22.9	23.3	23.7
-61.25°	17.7	18.2	18.7	19.2	19.7	20.1	20.6	21.0	21.4	21.8	22.1
-62.5°	16.4	16.8	17.3	17.8	18.2	18.6	19.0	19.5	19.8	20.2	20.6
-63.75°	15.1	15.6	16.0	16.3	16.7	17.1	17.5	17.9	18.3	18.6	19.0
-65°	13.9	14.3	14.7	15.1	15.4	15.8	16.1	16.4	16.7	17.1	17.4
-66.25°	12.8	13.1	13.5	13.8	14.1	14.4	14.8	15.1	15.3	15.6	15.9
-67.5°	11.8	12.1	12.4	12.7	12.9	13.2	13.4	13.7	14.0	14.2	14.5
-68.75°	10.8	11.0	11.3	11.6	11.8	12.1	12.3	12.5	12.7	12.9	13.1
-70°	10.1	10.3	10.5	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0
-71.25°	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.5	10.6	10.7	10.8
-72.5°	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.7	9.8	9.9	10.0
-73.75°	8.6	8.6	8.7	8.8	8.8	8.9	9.0	9.0	9.1	9.1	9.2
-75°	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.8
-76.25°	7.6	7.7	7.8	7.9	8.0	8.1	8.1	8.2	8.3	8.3	8.4
-77.5°	7.1	7.2	7.3	7.3	7.4	7.5	7.6	7.6	7.7	7.7	7.8



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.2
-80°	5.8	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5
-81.25°	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.7
-82.5°	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.9
-83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.1
-85°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
-86.25°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4
85°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
83.75°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
82.5°	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2
81.25°	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1
80°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
78.75°	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6
77.5°	7.9	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2
76.25°	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7
75°	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.1	9.1
73.75°	9.3	9.4	9.5	9.5	9.6	9.7	9.8	9.8	9.9	9.9	10.0
72.5°	10.1	10.2	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.8	10.8
71.25°	11.0	11.1	11.2	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1
70°	12.1	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.3
68.75°	13.3	13.5	13.7	13.9	14.0	14.2	14.4	14.5	14.6	14.7	14.8
67.5°	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.0	16.1	16.3	16.4
66.25°	16.1	16.4	16.6	16.8	17.0	17.3	17.4	17.6	17.8	17.9	18.0
65°	17.7	18.0	18.2	18.5	18.7	18.9	19.1	19.3	19.5	19.6	19.8
63.75°	19.3	19.6	19.9	20.1	20.4	20.6	20.8	21.0	21.2	21.4	21.5
62.5°	20.9	21.2	21.5	21.8	22.0	22.3	22.5	22.7	22.9	23.1	23.2
61.25°	22.5	22.8	23.1	23.4	23.7	23.9	24.0	24.1	24.3	24.4	24.5
60°	23.9	24.2	24.4	24.6	24.7	24.9	25.1	25.2	25.3	25.5	25.6
58.75°	24.9	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.7	26.8
57.5°	26.0	26.2	26.5	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1
56.25°	27.1	27.4	27.7	28.0	28.2	28.5	28.6	28.6	28.7	28.7	28.8
55°	28.3	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.1	29.2	29.2
53.75°	28.8	29.0	29.1	29.2	29.3	29.3	29.4	29.4	29.4	29.4	29.4
52.5°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
48.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.6	29.6
47.5°	29.4	29.4	29.4	29.4	29.5	29.6	29.7	29.8	29.9	29.9	30.0
46.25°	29.4	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
45°	29.8	29.9	30.1	30.2	30.3	30.5	30.7	30.8	31.0	31.1	31.2
43.75°	30.1	30.3	30.6	30.8	31.0	31.2	31.4	31.5	31.7	31.8	31.9
42.5°	30.7	31.0	31.2	31.4	31.6	31.8	32.0	32.1	32.3	32.4	32.5
41.25°	31.3	31.6	31.8	32.0	32.2	32.4	32.6	32.8	32.9	33.0	33.2
40°	31.9	32.1	32.4	32.6	32.8	33.0	33.2	33.4	33.5	33.7	33.8
38.75°	32.4	32.7	33.0	33.2	33.4	33.6	33.8	34.0	34.1	34.3	34.4
37.5°	33.0	33.3	33.5	33.8	34.0	34.2	34.4	34.6	34.8	34.9	35.1
36.25°	33.5	33.8	34.1	34.3	34.6	34.8	35.0	35.2	35.4	35.6	35.9
35°	34.1	34.4	34.7	34.9	35.2	35.4	35.7	36.1	36.5	36.8	37.1



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

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	34.6	34.9	35.2	35.5	36.0	36.5	36.9	37.3	37.7	38.1	38.9
32.5°	35.1	35.5	36.0	36.6	37.1	37.6	38.1	39.4	40.5	41.6	42.5
31.25°	35.8	36.5	37.1	37.7	38.6	40.1	41.5	42.8	44.0	45.1	46.2
30°	36.9	37.5	38.4	40.2	41.8	43.4	44.9	46.4	47.9	49.2	50.4
28.75°	37.9	39.5	41.5	43.3	45.1	46.9	48.7	50.4	51.9	53.3	54.7
27.5°	40.4	42.5	44.5	46.6	48.7	50.7	52.6	54.4	57.0	59.4	64.1
26.25°	43.2	45.4	47.8	50.2	52.4	54.6	57.8	62.0	69.8	77.7	92.8
25°	46.1	48.7	51.3	53.7	57.1	61.6	71.2	85.2	104.6	125.3	147.5
23.75°	49.3	52.0	54.9	59.0	68.1	81.8	105.5	132.7	161.3	190.3	217.5
22.5°	52.4	55.8	60.5	72.7	95.4	124.3	159.0	195.1	229.9	264.1	295.1
21.25°	56.1	62.4	75.5	104.5	140.7	180.8	222.9	264.8	304.4	340.6	373.3
20°	62.4	76.7	109.1	150.6	196.5	244.0	291.6	336.4	378.0	410.2	431.3
18.75°	75.5	109.1	153.9	204.4	257.2	309.8	359.7	404.4	431.2	455.9	478.2
17.5°	104.5	150.6	204.4	261.6	318.9	373.9	416.3	446.5	474.8	500.9	520.6
16.25°	140.7	196.5	257.2	318.9	378.6	422.3	455.8	487.6	514.8	537.1	561.6
15°	180.8	244.0	309.8	373.9	422.3	458.9	494.1	523.0	550.6	579.4	609.6
13.75°	222.9	291.6	359.7	416.3	455.8	494.1	525.7	557.5	591.8	627.6	670.7
12.5°	264.8	336.4	404.4	446.5	487.6	523.0	557.5	596.0	639.3	690.3	758.7
11.25°	304.4	378.0	431.2	474.8	514.8	550.6	591.8	639.3	699.5	778.1	868.8
10°	340.6	410.2	455.9	500.9	537.1	579.4	627.6	690.3	778.1	881.6	1004.6
8.75°	373.3	431.3	478.2	520.6	561.6	609.6	670.7	758.7	868.8	1004.6	1167.4
7.5°	401.6	450.0	498.1	537.7	584.5	640.9	720.8	831.0	969.4	1143.2	1363.1
6.25°	416.8	466.2	513.1	555.5	606.5	672.6	771.6	900.8	1071.9	1292.8	1587.7
5°	429.4	479.6	524.7	570.5	625.3	705.5	823.2	976.3	1177.4	1450.7	1826.4
3.75°	439.4	490.3	533.8	583.0	645.0	737.2	865.9	1037.0	1273.2	1611.0	2068.0
2.5°	446.6	497.9	541.0	592.9	659.3	760.2	898.1	1092.2	1359.1	1742.2	2254.2
1.25°	450.9	502.6	545.9	598.9	667.9	774.2	922.8	1127.1	1411.8	1823.3	2380.6
0°	452.4	504.1	547.5	601.0	670.9	778.9	931.2	1138.8	1429.6	1850.7	2425.7
-1.25°	450.9	502.6	545.9	598.9	667.9	774.2	922.8	1127.1	1411.8	1823.3	2380.6
-2.5°	446.6	497.9	541.0	592.9	659.3	760.2	898.1	1092.2	1359.1	1742.2	2254.2
-3.75°	439.4	490.3	533.8	583.0	645.0	737.2	865.9	1037.0	1273.2	1611.0	2068.0
-5°	429.4	479.6	524.7	570.5	625.3	705.5	823.2	976.3	1177.4	1450.7	1826.4
-6.25°	416.8	466.2	513.1	555.5	606.5	672.6	771.6	900.8	1071.9	1292.8	1587.7
-7.5°	401.6	450.0	498.1	537.7	584.5	640.9	720.8	831.0	969.4	1143.2	1363.1
-8.75°	373.3	431.3	478.2	520.6	561.6	609.6	670.7	758.7	868.8	1004.6	1167.4
-10°	340.6	410.2	455.9	500.9	537.1	579.4	627.6	690.3	778.1	881.6	1004.6
-11.25°	304.4	378.0	431.2	474.8	514.8	550.6	591.8	639.3	699.5	778.1	868.8
-12.5°	264.8	336.4	404.4	446.5	487.6	523.0	557.5	596.0	639.3	690.3	758.7
-13.75°	222.9	291.6	359.7	416.3	455.8	494.1	525.7	557.5	591.8	627.6	670.7
-15°	180.8	244.0	309.8	373.9	422.3	458.9	494.1	523.0	550.6	579.4	609.6
-16.25°	140.7	196.5	257.2	318.9	378.6	422.3	455.8	487.6	514.8	537.1	561.6
-17.5°	104.5	150.6	204.4	261.6	318.9	373.9	416.3	446.5	474.8	500.9	520.6
-18.75°	75.5	109.1	153.9	204.4	257.2	309.8	359.7	404.4	431.2	455.9	478.2
-20°	62.4	76.7	109.1	150.6	196.5	244.0	291.6	336.4	378.0	410.2	431.3
-21.25°	56.1	62.4	75.5	104.5	140.7	180.8	222.9	264.8	304.4	340.6	373.3



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	52.4	55.8	60.5	72.7	95.4	124.3	159.0	195.1	229.9	264.1	295.1
-23.75°	49.3	52.0	54.9	59.0	68.1	81.8	105.5	132.7	161.3	190.3	217.5
-25°	46.1	48.7	51.3	53.7	57.1	61.6	71.2	85.2	104.6	125.3	147.5
-26.25°	43.2	45.4	47.8	50.2	52.4	54.6	57.8	62.0	69.8	77.7	92.8
-27.5°	40.4	42.5	44.5	46.6	48.7	50.7	52.6	54.4	57.0	59.4	64.1
-28.75°	37.9	39.5	41.5	43.3	45.1	46.9	48.7	50.4	51.9	53.3	54.7
-30°	36.9	37.5	38.4	40.2	41.8	43.4	44.9	46.4	47.9	49.2	50.4
-31.25°	35.8	36.5	37.1	37.7	38.6	40.1	41.5	42.8	44.0	45.1	46.2
-32.5°	35.1	35.5	36.0	36.6	37.1	37.6	38.1	39.4	40.5	41.6	42.5
-33.75°	34.6	34.9	35.2	35.5	36.0	36.5	36.9	37.3	37.7	38.1	38.9
-35°	34.1	34.4	34.7	34.9	35.2	35.4	35.7	36.1	36.5	36.8	37.1
-36.25°	33.5	33.8	34.1	34.3	34.6	34.8	35.0	35.2	35.4	35.6	35.9
-37.5°	33.0	33.3	33.5	33.8	34.0	34.2	34.4	34.6	34.8	34.9	35.1
-38.75°	32.4	32.7	33.0	33.2	33.4	33.6	33.8	34.0	34.1	34.3	34.4
-40°	31.9	32.1	32.4	32.6	32.8	33.0	33.2	33.4	33.5	33.7	33.8
-41.25°	31.3	31.6	31.8	32.0	32.2	32.4	32.6	32.8	32.9	33.0	33.2
-42.5°	30.7	31.0	31.2	31.4	31.6	31.8	32.0	32.1	32.3	32.4	32.5
-43.75°	30.1	30.3	30.6	30.8	31.0	31.2	31.4	31.5	31.7	31.8	31.9
-45°	29.8	29.9	30.1	30.2	30.3	30.5	30.7	30.8	31.0	31.1	31.2
-46.25°	29.4	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5
-47.5°	29.4	29.4	29.4	29.4	29.5	29.6	29.7	29.8	29.9	29.9	30.0
-48.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.5	29.6	29.6
-50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-52.5°	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-53.75°	28.8	29.0	29.1	29.2	29.3	29.3	29.4	29.4	29.4	29.4	29.4
-55°	28.3	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.1	29.2	29.2
-56.25°	27.1	27.4	27.7	28.0	28.2	28.5	28.6	28.6	28.7	28.7	28.8
-57.5°	26.0	26.2	26.5	26.8	27.0	27.2	27.4	27.6	27.8	27.9	28.1
-58.75°	24.9	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.7	26.8
-60°	23.9	24.2	24.4	24.6	24.7	24.9	25.1	25.2	25.3	25.5	25.6
-61.25°	22.5	22.8	23.1	23.4	23.7	23.9	24.0	24.1	24.3	24.4	24.5
-62.5°	20.9	21.2	21.5	21.8	22.0	22.3	22.5	22.7	22.9	23.1	23.2
-63.75°	19.3	19.6	19.9	20.1	20.4	20.6	20.8	21.0	21.2	21.4	21.5
-65°	17.7	18.0	18.2	18.5	18.7	18.9	19.1	19.3	19.5	19.6	19.8
-66.25°	16.1	16.4	16.6	16.8	17.0	17.3	17.4	17.6	17.8	17.9	18.0
-67.5°	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.0	16.1	16.3	16.4
-68.75°	13.3	13.5	13.7	13.9	14.0	14.2	14.4	14.5	14.6	14.7	14.8
-70°	12.1	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.3
-71.25°	11.0	11.1	11.2	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1
-72.5°	10.1	10.2	10.3	10.4	10.5	10.6	10.6	10.7	10.8	10.8	10.8
-73.75°	9.3	9.4	9.5	9.5	9.6	9.7	9.8	9.8	9.9	9.9	10.0
-75°	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.1	9.1	9.1	9.1
-76.25°	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.7	8.7
-77.5°	7.9	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	7.2	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6
-80°	6.5	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9
-81.25°	5.7	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.1	6.1
-82.5°	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2	5.2	5.2	5.2
-83.75°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
-85°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
-86.25°	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
83.75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
81.25°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.1	6.1
80°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
78.75°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.6
77.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
76.25°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
73.75°	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
72.5°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
71.25°	12.1	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.2
70°	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
68.75°	14.9	15.0	15.0	15.1	15.1	15.1	15.2	15.1	15.1	15.1	15.0
67.5°	16.4	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.6
66.25°	18.1	18.2	18.3	18.4	18.4	18.4	18.5	18.4	18.4	18.4	18.3
65°	19.9	20.0	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.1	20.1
63.75°	21.6	21.7	21.8	21.9	21.9	21.9	22.0	21.9	21.9	21.9	21.8
62.5°	23.3	23.5	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.5
61.25°	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7
60°	25.7	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8	25.8
58.75°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
57.5°	28.2	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.4
56.25°	28.8	28.9	28.9	28.9	28.9	28.9	29.0	28.9	28.9	28.9	28.9
55°	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3
53.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
52.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
48.75°	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.7
47.5°	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.1
46.25°	30.6	30.7	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.8	30.8
45°	31.3	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.5	31.5
43.75°	32.0	32.1	32.1	32.2	32.2	32.2	32.3	32.2	32.2	32.2	32.1
42.5°	32.6	32.7	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.8
41.25°	33.3	33.3	33.4	33.5	33.5	33.5	33.6	33.5	33.5	33.5	33.4
40°	33.9	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.1	34.1
38.75°	34.5	34.6	34.7	34.8	34.8	34.8	34.9	34.8	34.8	34.8	34.7
37.5°	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.4	35.4
36.25°	36.1	36.3	36.5	36.6	36.7	36.8	36.8	36.8	36.7	36.6	36.5
35°	37.4	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.0	37.9	37.8



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	39.7	40.3	40.9	41.3	41.6	41.8	41.9	41.8	41.6	41.3	40.9
32.5°	43.3	44.0	44.6	45.0	45.3	45.5	45.6	45.5	45.3	45.0	44.6
31.25°	47.2	48.0	48.7	49.3	49.7	49.9	50.0	49.9	49.7	49.3	48.7
30°	51.4	52.3	53.1	53.7	54.1	54.3	54.4	54.3	54.1	53.7	53.1
28.75°	56.5	58.0	59.3	60.5	62.5	63.7	64.2	63.7	62.5	60.5	59.3
27.5°	69.4	73.9	79.5	86.5	91.5	94.5	95.6	94.5	91.5	86.5	79.5
26.25°	106.1	118.5	131.6	141.9	149.3	153.8	155.3	153.8	149.3	141.9	131.6
25°	167.1	186.3	202.4	215.0	224.1	229.6	231.4	229.6	224.1	215.0	202.4
23.75°	242.2	264.4	282.8	297.2	307.6	313.9	316.0	313.9	307.6	297.2	282.8
22.5°	322.4	345.9	365.4	380.7	391.7	398.4	400.6	398.4	391.7	380.7	365.4
21.25°	401.6	416.8	429.4	439.4	446.6	450.9	452.4	450.9	446.6	439.4	429.4
20°	450.0	466.2	479.6	490.3	497.9	502.6	504.1	502.6	497.9	490.3	479.6
18.75°	498.1	513.1	524.7	533.8	541.0	545.9	547.5	545.9	541.0	533.8	524.7
17.5°	537.7	555.5	570.5	583.0	592.9	598.9	601.0	598.9	592.9	583.0	570.5
16.25°	584.5	606.5	625.3	645.0	659.3	667.9	670.9	667.9	659.3	645.0	625.3
15°	640.9	672.6	705.5	737.2	760.2	774.2	778.9	774.2	760.2	737.2	705.5
13.75°	720.8	771.6	823.2	865.9	898.1	922.8	931.2	922.8	898.1	865.9	823.2
12.5°	831.0	900.8	976.3	1037.0	1092.2	1127.1	1138.8	1127.1	1092.2	1037.0	976.3
11.25°	969.4	1071.9	1177.4	1273.2	1359.1	1411.8	1429.6	1411.8	1359.1	1273.2	1177.4
10°	1143.2	1292.8	1450.7	1611.0	1742.2	1823.3	1850.7	1823.3	1742.2	1611.0	1450.7
8.75°	1363.1	1587.7	1826.4	2068.0	2254.2	2380.6	2425.7	2380.6	2254.2	2068.0	1826.4
7.5°	1640.2	1961.9	2295.1	2614.7	2862.2	3026.7	3083.1	3026.7	2862.2	2614.7	2295.1
6.25°	1961.9	2384.7	2810.6	3200.8	3503.3	3696.4	3763.2	3696.4	3503.3	3200.8	2810.6
5°	2295.1	2810.6	3320.4	3764.7	4111.3	4336.4	4415.8	4336.4	4111.3	3764.7	3320.4
3.75°	2614.7	3200.8	3764.7	4259.9	4638.9	4885.0	4960.8	4885.0	4638.9	4259.9	3764.7
2.5°	2862.2	3503.3	4111.3	4638.9	5041.2	5298.2	5380.2	5298.2	5041.2	4638.9	4111.3
1.25°	3026.7	3696.4	4336.4	4885.0	5298.2	5559.8	5650.6	5559.8	5298.2	4885.0	4336.4
0°	3083.1	3763.2	4415.8	4960.8	5380.2	5650.6	5769.8	5650.6	5380.2	4960.8	4415.8
-1.25°	3026.7	3696.4	4336.4	4885.0	5298.2	5559.8	5650.6	5559.8	5298.2	4885.0	4336.4
-2.5°	2862.2	3503.3	4111.3	4638.9	5041.2	5298.2	5380.2	5298.2	5041.2	4638.9	4111.3
-3.75°	2614.7	3200.8	3764.7	4259.9	4638.9	4885.0	4960.8	4885.0	4638.9	4259.9	3764.7
-5°	2295.1	2810.6	3320.4	3764.7	4111.3	4336.4	4415.8	4336.4	4111.3	3764.7	3320.4
-6.25°	1961.9	2384.7	2810.6	3200.8	3503.3	3696.4	3763.2	3696.4	3503.3	3200.8	2810.6
-7.5°	1640.2	1961.9	2295.1	2614.7	2862.2	3026.7	3083.1	3026.7	2862.2	2614.7	2295.1
-8.75°	1363.1	1587.7	1826.4	2068.0	2254.2	2380.6	2425.7	2380.6	2254.2	2068.0	1826.4
-10°	1143.2	1292.8	1450.7	1611.0	1742.2	1823.3	1850.7	1823.3	1742.2	1611.0	1450.7
-11.25°	969.4	1071.9	1177.4	1273.2	1359.1	1411.8	1429.6	1411.8	1359.1	1273.2	1177.4
-12.5°	831.0	900.8	976.3	1037.0	1092.2	1127.1	1138.8	1127.1	1092.2	1037.0	976.3
-13.75°	720.8	771.6	823.2	865.9	898.1	922.8	931.2	922.8	898.1	865.9	823.2
-15°	640.9	672.6	705.5	737.2	760.2	774.2	778.9	774.2	760.2	737.2	705.5
-16.25°	584.5	606.5	625.3	645.0	659.3	667.9	670.9	667.9	659.3	645.0	625.3
-17.5°	537.7	555.5	570.5	583.0	592.9	598.9	601.0	598.9	592.9	583.0	570.5
-18.75°	498.1	513.1	524.7	533.8	541.0	545.9	547.5	545.9	541.0	533.8	524.7
-20°	450.0	466.2	479.6	490.3	497.9	502.6	504.1	502.6	497.9	490.3	479.6
-21.25°	401.6	416.8	429.4	439.4	446.6	450.9	452.4	450.9	446.6	439.4	429.4



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	322.4	345.9	365.4	380.7	391.7	398.4	400.6	398.4	391.7	380.7	365.4
-23.75°	242.2	264.4	282.8	297.2	307.6	313.9	316.0	313.9	307.6	297.2	282.8
-25°	167.1	186.3	202.4	215.0	224.1	229.6	231.4	229.6	224.1	215.0	202.4
-26.25°	106.1	118.5	131.6	141.9	149.3	153.8	155.3	153.8	149.3	141.9	131.6
-27.5°	69.4	73.9	79.5	86.5	91.5	94.5	95.6	94.5	91.5	86.5	79.5
-28.75°	56.5	58.0	59.3	60.5	62.5	63.7	64.2	63.7	62.5	60.5	59.3
-30°	51.4	52.3	53.1	53.7	54.1	54.3	54.4	54.3	54.1	53.7	53.1
-31.25°	47.2	48.0	48.7	49.3	49.7	49.9	50.0	49.9	49.7	49.3	48.7
-32.5°	43.3	44.0	44.6	45.0	45.3	45.5	45.6	45.5	45.3	45.0	44.6
-33.75°	39.7	40.3	40.9	41.3	41.6	41.8	41.9	41.8	41.6	41.3	40.9
-35°	37.4	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.0	37.9	37.8
-36.25°	36.1	36.3	36.5	36.6	36.7	36.8	36.8	36.8	36.7	36.6	36.5
-37.5°	35.2	35.3	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.4	35.4
-38.75°	34.5	34.6	34.7	34.8	34.8	34.8	34.9	34.8	34.8	34.8	34.7
-40°	33.9	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.1	34.1
-41.25°	33.3	33.3	33.4	33.5	33.5	33.5	33.6	33.5	33.5	33.5	33.4
-42.5°	32.6	32.7	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.8
-43.75°	32.0	32.1	32.1	32.2	32.2	32.2	32.3	32.2	32.2	32.2	32.1
-45°	31.3	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.5	31.5
-46.25°	30.6	30.7	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.8	30.8
-47.5°	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.1
-48.75°	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.7
-50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-52.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-53.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-55°	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3
-56.25°	28.8	28.9	28.9	28.9	28.9	28.9	29.0	28.9	28.9	28.9	28.9
-57.5°	28.2	28.3	28.4	28.4	28.5	28.5	28.5	28.5	28.5	28.4	28.4
-58.75°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
-60°	25.7	25.7	25.8	25.8	25.9	25.9	25.9	25.9	25.9	25.8	25.8
-61.25°	24.6	24.6	24.7	24.7	24.8	24.8	24.8	24.8	24.8	24.7	24.7
-62.5°	23.3	23.5	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.6	23.5
-63.75°	21.6	21.7	21.8	21.9	21.9	21.9	22.0	21.9	21.9	21.9	21.8
-65°	19.9	20.0	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.1	20.1
-66.25°	18.1	18.2	18.3	18.4	18.4	18.4	18.5	18.4	18.4	18.4	18.3
-67.5°	16.4	16.5	16.6	16.6	16.7	16.7	16.7	16.7	16.7	16.6	16.6
-68.75°	14.9	15.0	15.0	15.1	15.1	15.1	15.2	15.1	15.1	15.1	15.0
-70°	13.4	13.5	13.5	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.5
-71.25°	12.1	12.2	12.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.2
-72.5°	10.9	10.9	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
-73.75°	10.0	10.0	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
-75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-76.25°	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
-77.5°	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	7.6	7.6	7.6	7.6	7.6	7.6	7.7	7.6	7.6	7.6	7.6
-80°	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
-81.25°	6.1	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.1	6.1
-82.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
-83.75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-86.25°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
85°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
83.75°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
82.5°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0
81.25°	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.8
80°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
78.75°	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3
77.5°	8.3	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9
76.25°	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.5
75°	9.2	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9
73.75°	10.0	10.0	10.0	9.9	9.9	9.8	9.8	9.7	9.6	9.5	9.5
72.5°	10.9	10.9	10.8	10.8	10.8	10.7	10.6	10.6	10.5	10.4	10.3
71.25°	12.2	12.1	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.2
70°	13.5	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5
68.75°	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.2	14.0	13.9	13.7
67.5°	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7	15.5	15.3	15.1
66.25°	18.2	18.1	18.0	17.9	17.8	17.6	17.4	17.3	17.0	16.8	16.6
65°	20.0	19.9	19.8	19.6	19.5	19.3	19.1	18.9	18.7	18.5	18.2
63.75°	21.7	21.6	21.5	21.4	21.2	21.0	20.8	20.6	20.4	20.1	19.9
62.5°	23.5	23.3	23.2	23.1	22.9	22.7	22.5	22.3	22.0	21.8	21.5
61.25°	24.6	24.6	24.5	24.4	24.3	24.1	24.0	23.9	23.7	23.4	23.1
60°	25.7	25.7	25.6	25.5	25.3	25.2	25.1	24.9	24.7	24.6	24.4
58.75°	27.0	26.9	26.8	26.7	26.5	26.3	26.2	26.0	25.8	25.6	25.4
57.5°	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.2	27.0	26.8	26.5
56.25°	28.9	28.8	28.8	28.7	28.7	28.6	28.6	28.5	28.2	28.0	27.7
55°	29.3	29.3	29.2	29.2	29.1	29.1	29.0	28.9	28.8	28.7	28.6
53.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.3	29.2	29.1
52.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
48.75°	29.7	29.7	29.6	29.6	29.5	29.4	29.4	29.4	29.4	29.4	29.4
47.5°	30.1	30.1	30.0	29.9	29.9	29.8	29.7	29.6	29.5	29.4	29.4
46.25°	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7
45°	31.4	31.3	31.2	31.1	31.0	30.8	30.7	30.5	30.3	30.2	30.1
43.75°	32.1	32.0	31.9	31.8	31.7	31.5	31.4	31.2	31.0	30.8	30.6
42.5°	32.7	32.6	32.5	32.4	32.3	32.1	32.0	31.8	31.6	31.4	31.2
41.25°	33.3	33.3	33.2	33.0	32.9	32.8	32.6	32.4	32.2	32.0	31.8
40°	34.0	33.9	33.8	33.7	33.5	33.4	33.2	33.0	32.8	32.6	32.4
38.75°	34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.6	33.4	33.2	33.0
37.5°	35.3	35.2	35.1	34.9	34.8	34.6	34.4	34.2	34.0	33.8	33.5
36.25°	36.3	36.1	35.9	35.6	35.4	35.2	35.0	34.8	34.6	34.3	34.1
35°	37.6	37.4	37.1	36.8	36.5	36.1	35.7	35.4	35.2	34.9	34.7



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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°	40.3	39.7	38.9	38.1	37.7	37.3	36.9	36.5	36.0	35.5	35.2
32.5°	44.0	43.3	42.5	41.6	40.5	39.4	38.1	37.6	37.1	36.6	36.0
31.25°	48.0	47.2	46.2	45.1	44.0	42.8	41.5	40.1	38.6	37.7	37.1
30°	52.3	51.4	50.4	49.2	47.9	46.4	44.9	43.4	41.8	40.2	38.4
28.75°	58.0	56.5	54.7	53.3	51.9	50.4	48.7	46.9	45.1	43.3	41.5
27.5°	73.9	69.4	64.1	59.4	57.0	54.4	52.6	50.7	48.7	46.6	44.5
26.25°	118.5	106.1	92.8	77.7	69.8	62.0	57.8	54.6	52.4	50.2	47.8
25°	186.3	167.1	147.5	125.3	104.6	85.2	71.2	61.6	57.1	53.7	51.3
23.75°	264.4	242.2	217.5	190.3	161.3	132.7	105.5	81.8	68.1	59.0	54.9
22.5°	345.9	322.4	295.1	264.1	229.9	195.1	159.0	124.3	95.4	72.7	60.5
21.25°	416.8	401.6	373.3	340.6	304.4	264.8	222.9	180.8	140.7	104.5	75.5
20°	466.2	450.0	431.3	410.2	378.0	336.4	291.6	244.0	196.5	150.6	109.1
18.75°	513.1	498.1	478.2	455.9	431.2	404.4	359.7	309.8	257.2	204.4	153.9
17.5°	555.5	537.7	520.6	500.9	474.8	446.5	416.3	373.9	318.9	261.6	204.4
16.25°	606.5	584.5	561.6	537.1	514.8	487.6	455.8	422.3	378.6	318.9	257.2
15°	672.6	640.9	609.6	579.4	550.6	523.0	494.1	458.9	422.3	373.9	309.8
13.75°	771.6	720.8	670.7	627.6	591.8	557.5	525.7	494.1	455.8	416.3	359.7
12.5°	900.8	831.0	758.7	690.3	639.3	596.0	557.5	523.0	487.6	446.5	404.4
11.25°	1071.9	969.4	868.8	778.1	699.5	639.3	591.8	550.6	514.8	474.8	431.2
10°	1292.8	1143.2	1004.6	881.6	778.1	690.3	627.6	579.4	537.1	500.9	455.9
8.75°	1587.7	1363.1	1167.4	1004.6	868.8	758.7	670.7	609.6	561.6	520.6	478.2
7.5°	1961.9	1640.2	1363.1	1143.2	969.4	831.0	720.8	640.9	584.5	537.7	498.1
6.25°	2384.7	1961.9	1587.7	1292.8	1071.9	900.8	771.6	672.6	606.5	555.5	513.1
5°	2810.6	2295.1	1826.4	1450.7	1177.4	976.3	823.2	705.5	625.3	570.5	524.7
3.75°	3200.8	2614.7	2068.0	1611.0	1273.2	1037.0	865.9	737.2	645.0	583.0	533.8
2.5°	3503.3	2862.2	2254.2	1742.2	1359.1	1092.2	898.1	760.2	659.3	592.9	541.0
1.25°	3696.4	3026.7	2380.6	1823.3	1411.8	1127.1	922.8	774.2	667.9	598.9	545.9
0°	3763.2	3083.1	2425.7	1850.7	1429.6	1138.8	931.2	778.9	670.9	601.0	547.5
-1.25°	3696.4	3026.7	2380.6	1823.3	1411.8	1127.1	922.8	774.2	667.9	598.9	545.9
-2.5°	3503.3	2862.2	2254.2	1742.2	1359.1	1092.2	898.1	760.2	659.3	592.9	541.0
-3.75°	3200.8	2614.7	2068.0	1611.0	1273.2	1037.0	865.9	737.2	645.0	583.0	533.8
-5°	2810.6	2295.1	1826.4	1450.7	1177.4	976.3	823.2	705.5	625.3	570.5	524.7
-6.25°	2384.7	1961.9	1587.7	1292.8	1071.9	900.8	771.6	672.6	606.5	555.5	513.1
-7.5°	1961.9	1640.2	1363.1	1143.2	969.4	831.0	720.8	640.9	584.5	537.7	498.1
-8.75°	1587.7	1363.1	1167.4	1004.6	868.8	758.7	670.7	609.6	561.6	520.6	478.2
-10°	1292.8	1143.2	1004.6	881.6	778.1	690.3	627.6	579.4	537.1	500.9	455.9
-11.25°	1071.9	969.4	868.8	778.1	699.5	639.3	591.8	550.6	514.8	474.8	431.2
-12.5°	900.8	831.0	758.7	690.3	639.3	596.0	557.5	523.0	487.6	446.5	404.4
-13.75°	771.6	720.8	670.7	627.6	591.8	557.5	525.7	494.1	455.8	416.3	359.7
-15°	672.6	640.9	609.6	579.4	550.6	523.0	494.1	458.9	422.3	373.9	309.8
-16.25°	606.5	584.5	561.6	537.1	514.8	487.6	455.8	422.3	378.6	318.9	257.2
-17.5°	555.5	537.7	520.6	500.9	474.8	446.5	416.3	373.9	318.9	261.6	204.4
-18.75°	513.1	498.1	478.2	455.9	431.2	404.4	359.7	309.8	257.2	204.4	153.9
-20°	466.2	450.0	431.3	410.2	378.0	336.4	291.6	244.0	196.5	150.6	109.1
-21.25°	416.8	401.6	373.3	340.6	304.4	264.8	222.9	180.8	140.7	104.5	75.5



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	345.9	322.4	295.1	264.1	229.9	195.1	159.0	124.3	95.4	72.7	60.5
-23.75°	264.4	242.2	217.5	190.3	161.3	132.7	105.5	81.8	68.1	59.0	54.9
-25°	186.3	167.1	147.5	125.3	104.6	85.2	71.2	61.6	57.1	53.7	51.3
-26.25°	118.5	106.1	92.8	77.7	69.8	62.0	57.8	54.6	52.4	50.2	47.8
-27.5°	73.9	69.4	64.1	59.4	57.0	54.4	52.6	50.7	48.7	46.6	44.5
-28.75°	58.0	56.5	54.7	53.3	51.9	50.4	48.7	46.9	45.1	43.3	41.5
-30°	52.3	51.4	50.4	49.2	47.9	46.4	44.9	43.4	41.8	40.2	38.4
-31.25°	48.0	47.2	46.2	45.1	44.0	42.8	41.5	40.1	38.6	37.7	37.1
-32.5°	44.0	43.3	42.5	41.6	40.5	39.4	38.1	37.6	37.1	36.6	36.0
-33.75°	40.3	39.7	38.9	38.1	37.7	37.3	36.9	36.5	36.0	35.5	35.2
-35°	37.6	37.4	37.1	36.8	36.5	36.1	35.7	35.4	35.2	34.9	34.7
-36.25°	36.3	36.1	35.9	35.6	35.4	35.2	35.0	34.8	34.6	34.3	34.1
-37.5°	35.3	35.2	35.1	34.9	34.8	34.6	34.4	34.2	34.0	33.8	33.5
-38.75°	34.6	34.5	34.4	34.3	34.1	34.0	33.8	33.6	33.4	33.2	33.0
-40°	34.0	33.9	33.8	33.7	33.5	33.4	33.2	33.0	32.8	32.6	32.4
-41.25°	33.3	33.3	33.2	33.0	32.9	32.8	32.6	32.4	32.2	32.0	31.8
-42.5°	32.7	32.6	32.5	32.4	32.3	32.1	32.0	31.8	31.6	31.4	31.2
-43.75°	32.1	32.0	31.9	31.8	31.7	31.5	31.4	31.2	31.0	30.8	30.6
-45°	31.4	31.3	31.2	31.1	31.0	30.8	30.7	30.5	30.3	30.2	30.1
-46.25°	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7
-47.5°	30.1	30.1	30.0	29.9	29.9	29.8	29.7	29.6	29.5	29.4	29.4
-48.75°	29.7	29.7	29.6	29.6	29.5	29.4	29.4	29.4	29.4	29.4	29.4
-50°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-51.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-52.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-53.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.3	29.2	29.1
-55°	29.3	29.3	29.2	29.2	29.1	29.1	29.0	28.9	28.8	28.7	28.6
-56.25°	28.9	28.8	28.8	28.7	28.7	28.6	28.6	28.5	28.2	28.0	27.7
-57.5°	28.3	28.2	28.1	27.9	27.8	27.6	27.4	27.2	27.0	26.8	26.5
-58.75°	27.0	26.9	26.8	26.7	26.5	26.3	26.2	26.0	25.8	25.6	25.4
-60°	25.7	25.7	25.6	25.5	25.3	25.2	25.1	24.9	24.7	24.6	24.4
-61.25°	24.6	24.6	24.5	24.4	24.3	24.1	24.0	23.9	23.7	23.4	23.1
-62.5°	23.5	23.3	23.2	23.1	22.9	22.7	22.5	22.3	22.0	21.8	21.5
-63.75°	21.7	21.6	21.5	21.4	21.2	21.0	20.8	20.6	20.4	20.1	19.9
-65°	20.0	19.9	19.8	19.6	19.5	19.3	19.1	18.9	18.7	18.5	18.2
-66.25°	18.2	18.1	18.0	17.9	17.8	17.6	17.4	17.3	17.0	16.8	16.6
-67.5°	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7	15.5	15.3	15.1
-68.75°	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.2	14.0	13.9	13.7
-70°	13.5	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.5
-71.25°	12.2	12.1	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.2
-72.5°	10.9	10.9	10.8	10.8	10.8	10.7	10.6	10.6	10.5	10.4	10.3
-73.75°	10.0	10.0	10.0	9.9	9.9	9.8	9.8	9.7	9.6	9.5	9.5
-75°	9.2	9.2	9.1	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9
-76.25°	8.7	8.7	8.7	8.7	8.7	8.6	8.6	8.6	8.5	8.5	8.5
-77.5°	8.3	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.3
-80°	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7	6.6
-81.25°	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.9	5.9	5.8
-82.5°	5.3	5.3	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0
-83.75°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
-85°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
-86.25°	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
85°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
83.75°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
82.5°	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5
81.25°	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2
80°	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
78.75°	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.8	6.7	6.6
77.5°	7.9	7.9	7.8	7.7	7.7	7.6	7.6	7.5	7.4	7.3	7.3
76.25°	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.1	8.0	7.9	7.8
75°	8.9	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.3
73.75°	9.4	9.3	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.8	8.7
72.5°	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3	9.2	9.1
71.25°	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9	9.7
70°	12.3	12.1	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.5
68.75°	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.1	11.8	11.6	11.3
67.5°	14.9	14.7	14.5	14.2	14.0	13.7	13.4	13.2	12.9	12.7	12.4
66.25°	16.4	16.1	15.9	15.6	15.3	15.1	14.8	14.4	14.1	13.8	13.5
65°	18.0	17.7	17.4	17.1	16.7	16.4	16.1	15.8	15.4	15.1	14.7
63.75°	19.6	19.3	19.0	18.6	18.3	17.9	17.5	17.1	16.7	16.3	16.0
62.5°	21.2	20.9	20.6	20.2	19.8	19.5	19.0	18.6	18.2	17.8	17.3
61.25°	22.8	22.5	22.1	21.8	21.4	21.0	20.6	20.1	19.7	19.2	18.7
60°	24.2	23.9	23.7	23.3	22.9	22.5	22.1	21.6	21.1	20.6	20.1
58.75°	25.2	24.9	24.7	24.4	24.2	23.9	23.6	23.1	22.6	22.1	21.5
57.5°	26.2	26.0	25.7	25.4	25.1	24.9	24.5	24.2	23.9	23.5	22.9
56.25°	27.4	27.1	26.8	26.5	26.1	25.8	25.5	25.2	24.8	24.5	24.1
55°	28.5	28.3	28.0	27.6	27.3	26.9	26.5	26.1	25.7	25.3	25.0
53.75°	29.0	28.8	28.7	28.6	28.4	28.0	27.6	27.2	26.7	26.3	25.8
52.5°	29.4	29.2	29.1	29.0	28.9	28.7	28.6	28.2	27.8	27.3	26.8
51.25°	29.4	29.4	29.4	29.4	29.2	29.1	28.9	28.8	28.6	28.3	27.8
50°	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.1	29.0	28.8	28.6
48.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.2	29.0
47.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3
46.25°	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
45°	29.9	29.8	29.7	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4
43.75°	30.3	30.1	30.0	29.8	29.7	29.5	29.4	29.4	29.4	29.4	29.4
42.5°	31.0	30.7	30.4	30.2	30.0	29.8	29.7	29.5	29.4	29.4	29.4
41.25°	31.6	31.3	31.0	30.8	30.5	30.2	30.0	29.8	29.6	29.4	29.4
40°	32.1	31.9	31.6	31.3	31.0	30.7	30.4	30.1	29.9	29.7	29.5
38.75°	32.7	32.4	32.2	31.9	31.6	31.3	30.9	30.6	30.2	30.0	29.8
37.5°	33.3	33.0	32.7	32.4	32.1	31.8	31.4	31.1	30.7	30.3	30.0
36.25°	33.8	33.5	33.2	32.9	32.6	32.3	31.9	31.6	31.2	30.8	30.4
35°	34.4	34.1	33.8	33.5	33.1	32.8	32.4	32.1	31.7	31.3	30.9



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	34.9	34.6	34.3	34.0	33.6	33.3	32.9	32.5	32.2	31.8	31.3
32.5°	35.5	35.1	34.8	34.5	34.1	33.8	33.4	33.0	32.6	32.2	31.8
31.25°	36.5	35.8	35.3	35.0	34.6	34.2	33.8	33.4	33.0	32.6	32.2
30°	37.5	36.9	36.2	35.5	35.1	34.7	34.3	33.9	33.5	33.0	32.6
28.75°	39.5	37.9	37.2	36.4	35.6	35.2	34.7	34.3	33.9	33.4	33.0
27.5°	42.5	40.4	38.2	37.4	36.5	35.7	35.2	34.7	34.3	33.8	33.4
26.25°	45.4	43.2	41.0	38.6	37.4	36.6	35.7	35.2	34.7	34.2	33.8
25°	48.7	46.1	43.7	41.3	38.8	37.4	36.5	35.6	35.1	34.6	34.1
23.75°	52.0	49.3	46.4	43.8	41.3	38.6	37.4	36.4	35.5	35.0	34.5
22.5°	55.8	52.4	49.5	46.4	43.7	41.0	38.2	37.2	36.2	35.3	34.8
21.25°	62.4	56.1	52.4	49.3	46.1	43.2	40.4	37.9	36.9	35.8	35.1
20°	76.7	62.4	55.8	52.0	48.7	45.4	42.5	39.5	37.5	36.5	35.5
18.75°	109.1	75.5	60.5	54.9	51.3	47.8	44.5	41.5	38.4	37.1	36.0
17.5°	150.6	104.5	72.7	59.0	53.7	50.2	46.6	43.3	40.2	37.7	36.6
16.25°	196.5	140.7	95.4	68.1	57.1	52.4	48.7	45.1	41.8	38.6	37.1
15°	244.0	180.8	124.3	81.8	61.6	54.6	50.7	46.9	43.4	40.1	37.6
13.75°	291.6	222.9	159.0	105.5	71.2	57.8	52.6	48.7	44.9	41.5	38.1
12.5°	336.4	264.8	195.1	132.7	85.2	62.0	54.4	50.4	46.4	42.8	39.4
11.25°	378.0	304.4	229.9	161.3	104.6	69.8	57.0	51.9	47.9	44.0	40.5
10°	410.2	340.6	264.1	190.3	125.3	77.7	59.4	53.3	49.2	45.1	41.6
8.75°	431.3	373.3	295.1	217.5	147.5	92.8	64.1	54.7	50.4	46.2	42.5
7.5°	450.0	401.6	322.4	242.2	167.1	106.1	69.4	56.5	51.4	47.2	43.3
6.25°	466.2	416.8	345.9	264.4	186.3	118.5	73.9	58.0	52.3	48.0	44.0
5°	479.6	429.4	365.4	282.8	202.4	131.6	79.5	59.3	53.1	48.7	44.6
3.75°	490.3	439.4	380.7	297.2	215.0	141.9	86.5	60.5	53.7	49.3	45.0
2.5°	497.9	446.6	391.7	307.6	224.1	149.3	91.5	62.5	54.1	49.7	45.3
1.25°	502.6	450.9	398.4	313.9	229.6	153.8	94.5	63.7	54.3	49.9	45.5
0°	504.1	452.4	400.6	316.0	231.4	155.3	95.6	64.2	54.4	50.0	45.6
-1.25°	502.6	450.9	398.4	313.9	229.6	153.8	94.5	63.7	54.3	49.9	45.5
-2.5°	497.9	446.6	391.7	307.6	224.1	149.3	91.5	62.5	54.1	49.7	45.3
-3.75°	490.3	439.4	380.7	297.2	215.0	141.9	86.5	60.5	53.7	49.3	45.0
-5°	479.6	429.4	365.4	282.8	202.4	131.6	79.5	59.3	53.1	48.7	44.6
-6.25°	466.2	416.8	345.9	264.4	186.3	118.5	73.9	58.0	52.3	48.0	44.0
-7.5°	450.0	401.6	322.4	242.2	167.1	106.1	69.4	56.5	51.4	47.2	43.3
-8.75°	431.3	373.3	295.1	217.5	147.5	92.8	64.1	54.7	50.4	46.2	42.5
-10°	410.2	340.6	264.1	190.3	125.3	77.7	59.4	53.3	49.2	45.1	41.6
-11.25°	378.0	304.4	229.9	161.3	104.6	69.8	57.0	51.9	47.9	44.0	40.5
-12.5°	336.4	264.8	195.1	132.7	85.2	62.0	54.4	50.4	46.4	42.8	39.4
-13.75°	291.6	222.9	159.0	105.5	71.2	57.8	52.6	48.7	44.9	41.5	38.1
-15°	244.0	180.8	124.3	81.8	61.6	54.6	50.7	46.9	43.4	40.1	37.6
-16.25°	196.5	140.7	95.4	68.1	57.1	52.4	48.7	45.1	41.8	38.6	37.1
-17.5°	150.6	104.5	72.7	59.0	53.7	50.2	46.6	43.3	40.2	37.7	36.6
-18.75°	109.1	75.5	60.5	54.9	51.3	47.8	44.5	41.5	38.4	37.1	36.0
-20°	76.7	62.4	55.8	52.0	48.7	45.4	42.5	39.5	37.5	36.5	35.5
-21.25°	62.4	56.1	52.4	49.3	46.1	43.2	40.4	37.9	36.9	35.8	35.1



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	55.8	52.4	49.5	46.4	43.7	41.0	38.2	37.2	36.2	35.3	34.8
-23.75°	52.0	49.3	46.4	43.8	41.3	38.6	37.4	36.4	35.5	35.0	34.5
-25°	48.7	46.1	43.7	41.3	38.8	37.4	36.5	35.6	35.1	34.6	34.1
-26.25°	45.4	43.2	41.0	38.6	37.4	36.6	35.7	35.2	34.7	34.2	33.8
-27.5°	42.5	40.4	38.2	37.4	36.5	35.7	35.2	34.7	34.3	33.8	33.4
-28.75°	39.5	37.9	37.2	36.4	35.6	35.2	34.7	34.3	33.9	33.4	33.0
-30°	37.5	36.9	36.2	35.5	35.1	34.7	34.3	33.9	33.5	33.0	32.6
-31.25°	36.5	35.8	35.3	35.0	34.6	34.2	33.8	33.4	33.0	32.6	32.2
-32.5°	35.5	35.1	34.8	34.5	34.1	33.8	33.4	33.0	32.6	32.2	31.8
-33.75°	34.9	34.6	34.3	34.0	33.6	33.3	32.9	32.5	32.2	31.8	31.3
-35°	34.4	34.1	33.8	33.5	33.1	32.8	32.4	32.1	31.7	31.3	30.9
-36.25°	33.8	33.5	33.2	32.9	32.6	32.3	31.9	31.6	31.2	30.8	30.4
-37.5°	33.3	33.0	32.7	32.4	32.1	31.8	31.4	31.1	30.7	30.3	30.0
-38.75°	32.7	32.4	32.2	31.9	31.6	31.3	30.9	30.6	30.2	30.0	29.8
-40°	32.1	31.9	31.6	31.3	31.0	30.7	30.4	30.1	29.9	29.7	29.5
-41.25°	31.6	31.3	31.0	30.8	30.5	30.2	30.0	29.8	29.6	29.4	29.4
-42.5°	31.0	30.7	30.4	30.2	30.0	29.8	29.7	29.5	29.4	29.4	29.4
-43.75°	30.3	30.1	30.0	29.8	29.7	29.5	29.4	29.4	29.4	29.4	29.4
-45°	29.9	29.8	29.7	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-46.25°	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
-47.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3
-48.75°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.2	29.0
-50°	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.1	29.0	28.8	28.6
-51.25°	29.4	29.4	29.4	29.4	29.2	29.1	28.9	28.8	28.6	28.3	27.8
-52.5°	29.4	29.2	29.1	29.0	28.9	28.7	28.6	28.2	27.8	27.3	26.8
-53.75°	29.0	28.8	28.7	28.6	28.4	28.0	27.6	27.2	26.7	26.3	25.8
-55°	28.5	28.3	28.0	27.6	27.3	26.9	26.5	26.1	25.7	25.3	25.0
-56.25°	27.4	27.1	26.8	26.5	26.1	25.8	25.5	25.2	24.8	24.5	24.1
-57.5°	26.2	26.0	25.7	25.4	25.1	24.9	24.5	24.2	23.9	23.5	22.9
-58.75°	25.2	24.9	24.7	24.4	24.2	23.9	23.6	23.1	22.6	22.1	21.5
-60°	24.2	23.9	23.7	23.3	22.9	22.5	22.1	21.6	21.1	20.6	20.1
-61.25°	22.8	22.5	22.1	21.8	21.4	21.0	20.6	20.1	19.7	19.2	18.7
-62.5°	21.2	20.9	20.6	20.2	19.8	19.5	19.0	18.6	18.2	17.8	17.3
-63.75°	19.6	19.3	19.0	18.6	18.3	17.9	17.5	17.1	16.7	16.3	16.0
-65°	18.0	17.7	17.4	17.1	16.7	16.4	16.1	15.8	15.4	15.1	14.7
-66.25°	16.4	16.1	15.9	15.6	15.3	15.1	14.8	14.4	14.1	13.8	13.5
-67.5°	14.9	14.7	14.5	14.2	14.0	13.7	13.4	13.2	12.9	12.7	12.4
-68.75°	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.1	11.8	11.6	11.3
-70°	12.3	12.1	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.5
-71.25°	11.1	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.9	9.7
-72.5°	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3	9.2	9.1
-73.75°	9.4	9.3	9.2	9.1	9.1	9.0	9.0	8.9	8.8	8.8	8.7
-75°	8.9	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.3
-76.25°	8.4	8.4	8.4	8.3	8.3	8.2	8.1	8.1	8.0	7.9	7.8
-77.5°	7.9	7.9	7.8	7.7	7.7	7.6	7.6	7.5	7.4	7.3	7.3



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.8	6.7	6.6
-80°	6.6	6.5	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
-81.25°	5.8	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2
-82.5°	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5
-83.75°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
-85°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
-86.25°	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
85°	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3.0	2.9
82.5°	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6
81.25°	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
80°	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9
78.75°	6.5	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.6	5.5
77.5°	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1
76.25°	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6
75°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.4	7.3	7.2
73.75°	8.6	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6
72.5°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.0
71.25°	9.6	9.4	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
70°	10.3	10.1	9.9	9.7	9.5	9.3	9.2	9.1	8.9	8.8	8.7
68.75°	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	9.0
67.5°	12.1	11.8	11.5	11.2	10.9	10.7	10.4	10.2	10.0	9.7	9.4
66.25°	13.1	12.8	12.5	12.2	11.8	11.5	11.1	10.8	10.6	10.3	10.0
65°	14.3	13.9	13.5	13.2	12.8	12.4	12.1	11.7	11.3	10.9	10.6
63.75°	15.6	15.1	14.7	14.3	13.8	13.4	13.0	12.6	12.2	11.8	11.3
62.5°	16.8	16.4	15.9	15.4	15.0	14.5	14.0	13.5	13.1	12.6	12.2
61.25°	18.2	17.7	17.2	16.6	16.1	15.6	15.1	14.6	14.0	13.5	13.0
60°	19.6	19.0	18.5	17.9	17.3	16.7	16.2	15.6	15.1	14.5	13.9
58.75°	21.0	20.4	19.8	19.2	18.6	18.0	17.3	16.7	16.1	15.5	14.9
57.5°	22.3	21.8	21.1	20.5	19.9	19.2	18.6	17.9	17.2	16.5	15.8
56.25°	23.7	23.1	22.5	21.8	21.1	20.5	19.8	19.1	18.3	17.6	16.8
55°	24.6	24.2	23.7	23.1	22.4	21.7	21.0	20.2	19.5	18.7	17.9
53.75°	25.4	25.0	24.6	24.1	23.6	22.9	22.2	21.4	20.6	19.8	19.0
52.5°	26.3	25.8	25.4	24.9	24.4	24.0	23.3	22.5	21.7	20.9	20.1
51.25°	27.3	26.8	26.2	25.7	25.2	24.7	24.2	23.7	22.8	22.0	21.1
50°	28.3	27.7	27.2	26.6	26.0	25.5	24.9	24.4	23.8	23.0	22.1
48.75°	28.8	28.6	28.1	27.5	26.9	26.3	25.7	25.1	24.5	24.0	23.2
47.5°	29.1	28.9	28.7	28.4	27.8	27.1	26.4	25.8	25.2	24.6	24.0
46.25°	29.4	29.2	29.0	28.8	28.5	28.0	27.3	26.6	25.9	25.3	24.6
45°	29.4	29.4	29.3	29.1	28.8	28.6	28.1	27.4	26.6	25.9	25.3
43.75°	29.4	29.4	29.4	29.4	29.1	28.9	28.6	28.2	27.4	26.6	25.9
42.5°	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.7	28.2	27.4	26.6
41.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.6	28.1	27.3
40°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.6	28.0
38.75°	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.1	28.8	28.5
37.5°	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.1	28.8
36.25°	30.1	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.0
35°	30.4	30.1	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.2



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	30.9	30.4	30.1	29.8	29.5	29.4	29.4	29.4	29.4	29.4	29.4
32.5°	31.3	30.9	30.4	30.0	29.8	29.5	29.4	29.4	29.4	29.4	29.4
31.25°	31.8	31.3	30.8	30.3	30.0	29.7	29.4	29.4	29.4	29.4	29.4
30°	32.2	31.7	31.2	30.7	30.2	29.9	29.6	29.4	29.4	29.4	29.4
28.75°	32.5	32.1	31.6	31.1	30.6	30.1	29.8	29.5	29.4	29.4	29.4
27.5°	32.9	32.4	31.9	31.4	30.9	30.4	30.0	29.7	29.4	29.4	29.4
26.25°	33.3	32.8	32.3	31.8	31.3	30.7	30.2	29.8	29.5	29.4	29.4
25°	33.6	33.1	32.6	32.1	31.6	31.0	30.5	30.0	29.7	29.4	29.4
23.75°	34.0	33.5	32.9	32.4	31.9	31.3	30.8	30.2	29.8	29.5	29.4
22.5°	34.3	33.8	33.2	32.7	32.2	31.6	31.0	30.4	30.0	29.7	29.4
21.25°	34.6	34.1	33.5	33.0	32.4	31.9	31.3	30.7	30.1	29.8	29.4
20°	34.9	34.4	33.8	33.3	32.7	32.1	31.6	31.0	30.3	29.9	29.6
18.75°	35.2	34.7	34.1	33.5	33.0	32.4	31.8	31.2	30.6	30.1	29.7
17.5°	35.5	34.9	34.3	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.8
16.25°	36.0	35.2	34.6	34.0	33.4	32.8	32.2	31.6	31.0	30.3	29.9
15°	36.5	35.4	34.8	34.2	33.6	33.0	32.4	31.8	31.2	30.5	30.0
13.75°	36.9	35.7	35.0	34.4	33.8	33.2	32.6	32.0	31.4	30.7	30.1
12.5°	37.3	36.1	35.2	34.6	34.0	33.4	32.8	32.1	31.5	30.8	30.2
11.25°	37.7	36.5	35.4	34.8	34.1	33.5	32.9	32.3	31.7	31.0	30.3
10°	38.1	36.8	35.6	34.9	34.3	33.7	33.0	32.4	31.8	31.1	30.4
8.75°	38.9	37.1	35.9	35.1	34.4	33.8	33.2	32.5	31.9	31.2	30.5
7.5°	39.7	37.4	36.1	35.2	34.5	33.9	33.3	32.6	32.0	31.3	30.6
6.25°	40.3	37.6	36.3	35.3	34.6	34.0	33.3	32.7	32.1	31.4	30.7
5°	40.9	37.8	36.5	35.4	34.7	34.1	33.4	32.8	32.1	31.5	30.8
3.75°	41.3	37.9	36.6	35.4	34.8	34.1	33.5	32.8	32.2	31.5	30.8
2.5°	41.6	38.0	36.7	35.5	34.8	34.2	33.5	32.9	32.2	31.6	30.9
1.25°	41.8	38.1	36.8	35.5	34.8	34.2	33.5	32.9	32.2	31.6	30.9
0°	41.9	38.1	36.8	35.5	34.9	34.2	33.6	32.9	32.3	31.6	30.9
-1.25°	41.8	38.1	36.8	35.5	34.8	34.2	33.5	32.9	32.2	31.6	30.9
-2.5°	41.6	38.0	36.7	35.5	34.8	34.2	33.5	32.9	32.2	31.6	30.9
-3.75°	41.3	37.9	36.6	35.4	34.8	34.1	33.5	32.8	32.2	31.5	30.8
-5°	40.9	37.8	36.5	35.4	34.7	34.1	33.4	32.8	32.1	31.5	30.8
-6.25°	40.3	37.6	36.3	35.3	34.6	34.0	33.3	32.7	32.1	31.4	30.7
-7.5°	39.7	37.4	36.1	35.2	34.5	33.9	33.3	32.6	32.0	31.3	30.6
-8.75°	38.9	37.1	35.9	35.1	34.4	33.8	33.2	32.5	31.9	31.2	30.5
-10°	38.1	36.8	35.6	34.9	34.3	33.7	33.0	32.4	31.8	31.1	30.4
-11.25°	37.7	36.5	35.4	34.8	34.1	33.5	32.9	32.3	31.7	31.0	30.3
-12.5°	37.3	36.1	35.2	34.6	34.0	33.4	32.8	32.1	31.5	30.8	30.2
-13.75°	36.9	35.7	35.0	34.4	33.8	33.2	32.6	32.0	31.4	30.7	30.1
-15°	36.5	35.4	34.8	34.2	33.6	33.0	32.4	31.8	31.2	30.5	30.0
-16.25°	36.0	35.2	34.6	34.0	33.4	32.8	32.2	31.6	31.0	30.3	29.9
-17.5°	35.5	34.9	34.3	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.8
-18.75°	35.2	34.7	34.1	33.5	33.0	32.4	31.8	31.2	30.6	30.1	29.7
-20°	34.9	34.4	33.8	33.3	32.7	32.1	31.6	31.0	30.3	29.9	29.6
-21.25°	34.6	34.1	33.5	33.0	32.4	31.9	31.3	30.7	30.1	29.8	29.4



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	34.3	33.8	33.2	32.7	32.2	31.6	31.0	30.4	30.0	29.7	29.4
-23.75°	34.0	33.5	32.9	32.4	31.9	31.3	30.8	30.2	29.8	29.5	29.4
-25°	33.6	33.1	32.6	32.1	31.6	31.0	30.5	30.0	29.7	29.4	29.4
-26.25°	33.3	32.8	32.3	31.8	31.3	30.7	30.2	29.8	29.5	29.4	29.4
-27.5°	32.9	32.4	31.9	31.4	30.9	30.4	30.0	29.7	29.4	29.4	29.4
-28.75°	32.5	32.1	31.6	31.1	30.6	30.1	29.8	29.5	29.4	29.4	29.4
-30°	32.2	31.7	31.2	30.7	30.2	29.9	29.6	29.4	29.4	29.4	29.4
-31.25°	31.8	31.3	30.8	30.3	30.0	29.7	29.4	29.4	29.4	29.4	29.4
-32.5°	31.3	30.9	30.4	30.0	29.8	29.5	29.4	29.4	29.4	29.4	29.4
-33.75°	30.9	30.4	30.1	29.8	29.5	29.4	29.4	29.4	29.4	29.4	29.4
-35°	30.4	30.1	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.2
-36.25°	30.1	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.3	29.0
-37.5°	29.8	29.6	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.1	28.8
-38.75°	29.5	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.1	28.8	28.5
-40°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.6	28.0
-41.25°	29.4	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.6	28.1	27.3
-42.5°	29.4	29.4	29.4	29.4	29.4	29.2	28.9	28.7	28.2	27.4	26.6
-43.75°	29.4	29.4	29.4	29.4	29.1	28.9	28.6	28.2	27.4	26.6	25.9
-45°	29.4	29.4	29.3	29.1	28.8	28.6	28.1	27.4	26.6	25.9	25.3
-46.25°	29.4	29.2	29.0	28.8	28.5	28.0	27.3	26.6	25.9	25.3	24.6
-47.5°	29.1	28.9	28.7	28.4	27.8	27.1	26.4	25.8	25.2	24.6	24.0
-48.75°	28.8	28.6	28.1	27.5	26.9	26.3	25.7	25.1	24.5	24.0	23.2
-50°	28.3	27.7	27.2	26.6	26.0	25.5	24.9	24.4	23.8	23.0	22.1
-51.25°	27.3	26.8	26.2	25.7	25.2	24.7	24.2	23.7	22.8	22.0	21.1
-52.5°	26.3	25.8	25.4	24.9	24.4	24.0	23.3	22.5	21.7	20.9	20.1
-53.75°	25.4	25.0	24.6	24.1	23.6	22.9	22.2	21.4	20.6	19.8	19.0
-55°	24.6	24.2	23.7	23.1	22.4	21.7	21.0	20.2	19.5	18.7	17.9
-56.25°	23.7	23.1	22.5	21.8	21.1	20.5	19.8	19.1	18.3	17.6	16.8
-57.5°	22.3	21.8	21.1	20.5	19.9	19.2	18.6	17.9	17.2	16.5	15.8
-58.75°	21.0	20.4	19.8	19.2	18.6	18.0	17.3	16.7	16.1	15.5	14.9
-60°	19.6	19.0	18.5	17.9	17.3	16.7	16.2	15.6	15.1	14.5	13.9
-61.25°	18.2	17.7	17.2	16.6	16.1	15.6	15.1	14.6	14.0	13.5	13.0
-62.5°	16.8	16.4	15.9	15.4	15.0	14.5	14.0	13.5	13.1	12.6	12.2
-63.75°	15.6	15.1	14.7	14.3	13.8	13.4	13.0	12.6	12.2	11.8	11.3
-65°	14.3	13.9	13.5	13.2	12.8	12.4	12.1	11.7	11.3	10.9	10.6
-66.25°	13.1	12.8	12.5	12.2	11.8	11.5	11.1	10.8	10.6	10.3	10.0
-67.5°	12.1	11.8	11.5	11.2	10.9	10.7	10.4	10.2	10.0	9.7	9.4
-68.75°	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	9.0
-70°	10.3	10.1	9.9	9.7	9.5	9.3	9.2	9.1	8.9	8.8	8.7
-71.25°	9.6	9.4	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
-72.5°	9.0	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.0
-73.75°	8.6	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6
-75°	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.5	7.4	7.3	7.2
-76.25°	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6
-77.5°	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.1



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	6.5	6.5	6.4	6.3	6.2	6.0	5.9	5.8	5.7	5.6	5.5
-80°	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9
-81.25°	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-82.5°	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6
-83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3.0	2.9
-85°	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
-86.25°	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3
83.75°	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.1	1.9	1.8
82.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9
80°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
78.75°	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.9
77.5°	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4
76.25°	6.5	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8
75°	7.0	6.9	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.3
73.75°	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7
72.5°	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.7	6.5	6.3	6.1
71.25°	8.3	8.2	8.0	7.8	7.7	7.5	7.3	7.1	7.0	6.7	6.5
70°	8.6	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9
68.75°	8.9	8.8	8.6	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.2
67.5°	9.2	9.1	8.9	8.8	8.6	8.5	8.4	8.2	8.0	7.8	7.5
66.25°	9.8	9.5	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	7.8
65°	10.3	10.0	9.7	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.1
63.75°	10.9	10.6	10.3	10.0	9.6	9.3	9.1	8.9	8.7	8.6	8.4
62.5°	11.7	11.2	10.8	10.5	10.2	9.8	9.5	9.2	9.0	8.8	8.6
61.25°	12.5	12.0	11.5	11.0	10.7	10.3	9.9	9.6	9.2	9.0	8.8
60°	13.3	12.8	12.3	11.8	11.2	10.8	10.4	10.0	9.6	9.2	9.0
58.75°	14.2	13.6	13.1	12.5	11.9	11.4	10.9	10.5	10.1	9.6	9.2
57.5°	15.2	14.5	13.9	13.2	12.7	12.1	11.5	10.9	10.5	10.1	9.6
56.25°	16.1	15.4	14.7	14.0	13.4	12.7	12.1	11.5	10.9	10.5	10.0
55°	17.1	16.4	15.6	14.9	14.1	13.4	12.8	12.1	11.5	10.9	10.4
53.75°	18.2	17.3	16.5	15.7	15.0	14.2	13.4	12.7	12.1	11.4	10.8
52.5°	19.2	18.3	17.4	16.6	15.8	15.0	14.1	13.4	12.7	11.9	11.2
51.25°	20.2	19.3	18.4	17.5	16.6	15.7	14.9	14.0	13.2	12.5	11.8
50°	21.2	20.3	19.4	18.4	17.4	16.5	15.6	14.7	13.9	13.1	12.3
48.75°	22.2	21.3	20.3	19.3	18.3	17.3	16.4	15.4	14.5	13.6	12.8
47.5°	23.2	22.2	21.2	20.2	19.2	18.2	17.1	16.1	15.2	14.2	13.3
46.25°	24.0	23.2	22.1	21.1	20.1	19.0	17.9	16.8	15.8	14.9	13.9
45°	24.6	24.0	23.0	22.0	20.9	19.8	18.7	17.6	16.5	15.5	14.5
43.75°	25.2	24.5	23.8	22.8	21.7	20.6	19.5	18.3	17.2	16.1	15.1
42.5°	25.8	25.1	24.4	23.7	22.5	21.4	20.2	19.1	17.9	16.7	15.6
41.25°	26.4	25.7	24.9	24.2	23.3	22.2	21.0	19.8	18.6	17.3	16.2
40°	27.1	26.3	25.5	24.7	24.0	22.9	21.7	20.5	19.2	18.0	16.7
38.75°	27.8	26.9	26.0	25.2	24.4	23.6	22.4	21.1	19.9	18.6	17.3
37.5°	28.4	27.5	26.6	25.7	24.9	24.1	23.1	21.8	20.5	19.2	17.9
36.25°	28.7	28.1	27.2	26.2	25.4	24.6	23.7	22.5	21.1	19.8	18.5
35°	28.9	28.6	27.7	26.8	25.8	25.0	24.2	23.1	21.8	20.4	19.0



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	29.1	28.8	28.3	27.3	26.3	25.4	24.6	23.7	22.3	21.0	19.6
32.5°	29.3	29.0	28.6	27.8	26.8	25.8	25.0	24.1	22.9	21.5	20.1
31.25°	29.4	29.2	28.8	28.3	27.3	26.3	25.3	24.5	23.5	22.1	20.6
30°	29.4	29.3	29.0	28.6	27.8	26.7	25.7	24.8	23.9	22.6	21.1
28.75°	29.4	29.4	29.1	28.8	28.2	27.2	26.1	25.2	24.2	23.1	21.6
27.5°	29.4	29.4	29.3	28.9	28.6	27.6	26.5	25.5	24.5	23.6	22.1
26.25°	29.4	29.4	29.4	29.1	28.7	28.0	26.9	25.8	24.9	23.9	22.5
25°	29.4	29.4	29.4	29.2	28.9	28.4	27.3	26.1	25.1	24.2	22.9
23.75°	29.4	29.4	29.4	29.4	29.0	28.6	27.6	26.5	25.4	24.4	23.3
22.5°	29.4	29.4	29.4	29.4	29.1	28.7	28.0	26.8	25.7	24.7	23.7
21.25°	29.4	29.4	29.4	29.4	29.2	28.8	28.3	27.1	26.0	24.9	23.9
20°	29.4	29.4	29.4	29.4	29.4	29.0	28.5	27.4	26.2	25.2	24.2
18.75°	29.4	29.4	29.4	29.4	29.4	29.1	28.6	27.7	26.5	25.4	24.4
17.5°	29.4	29.4	29.4	29.4	29.4	29.2	28.7	28.0	26.8	25.6	24.6
16.25°	29.5	29.4	29.4	29.4	29.4	29.3	28.8	28.2	27.0	25.8	24.7
15°	29.6	29.4	29.4	29.4	29.4	29.3	28.9	28.5	27.2	26.0	24.9
13.75°	29.7	29.4	29.4	29.4	29.4	29.4	29.0	28.6	27.4	26.2	25.1
12.5°	29.8	29.4	29.4	29.4	29.4	29.4	29.1	28.6	27.6	26.3	25.2
11.25°	29.9	29.5	29.4	29.4	29.4	29.4	29.1	28.7	27.8	26.5	25.3
10°	29.9	29.6	29.4	29.4	29.4	29.4	29.2	28.7	27.9	26.7	25.5
8.75°	30.0	29.6	29.4	29.4	29.4	29.4	29.2	28.8	28.1	26.8	25.6
7.5°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.8	28.2	26.9	25.7
6.25°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.9	28.3	27.0	25.7
5°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.9	28.4	27.1	25.8
3.75°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.4	27.1	25.8
2.5°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.5	27.2	25.9
1.25°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.5	27.2	25.9
0°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	29.0	28.5	27.2	25.9
-1.25°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.5	27.2	25.9
-2.5°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.5	27.2	25.9
-3.75°	30.2	29.8	29.4	29.4	29.4	29.4	29.4	28.9	28.4	27.1	25.8
-5°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.9	28.4	27.1	25.8
-6.25°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.9	28.3	27.0	25.7
-7.5°	30.1	29.7	29.4	29.4	29.4	29.4	29.3	28.8	28.2	26.9	25.7
-8.75°	30.0	29.6	29.4	29.4	29.4	29.4	29.2	28.8	28.1	26.8	25.6
-10°	29.9	29.6	29.4	29.4	29.4	29.4	29.2	28.7	27.9	26.7	25.5
-11.25°	29.9	29.5	29.4	29.4	29.4	29.4	29.1	28.7	27.8	26.5	25.3
-12.5°	29.8	29.4	29.4	29.4	29.4	29.4	29.1	28.6	27.6	26.3	25.2
-13.75°	29.7	29.4	29.4	29.4	29.4	29.4	29.0	28.6	27.4	26.2	25.1
-15°	29.6	29.4	29.4	29.4	29.4	29.3	28.9	28.5	27.2	26.0	24.9
-16.25°	29.5	29.4	29.4	29.4	29.4	29.3	28.8	28.2	27.0	25.8	24.7
-17.5°	29.4	29.4	29.4	29.4	29.4	29.2	28.7	28.0	26.8	25.6	24.6
-18.75°	29.4	29.4	29.4	29.4	29.4	29.1	28.6	27.7	26.5	25.4	24.4
-20°	29.4	29.4	29.4	29.4	29.4	29.0	28.5	27.4	26.2	25.2	24.2
-21.25°	29.4	29.4	29.4	29.4	29.2	28.8	28.3	27.1	26.0	24.9	23.9



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	29.4	29.4	29.4	29.4	29.1	28.7	28.0	26.8	25.7	24.7	23.7
-23.75°	29.4	29.4	29.4	29.4	29.0	28.6	27.6	26.5	25.4	24.4	23.3
-25°	29.4	29.4	29.4	29.2	28.9	28.4	27.3	26.1	25.1	24.2	22.9
-26.25°	29.4	29.4	29.4	29.1	28.7	28.0	26.9	25.8	24.9	23.9	22.5
-27.5°	29.4	29.4	29.3	28.9	28.6	27.6	26.5	25.5	24.5	23.6	22.1
-28.75°	29.4	29.4	29.1	28.8	28.2	27.2	26.1	25.2	24.2	23.1	21.6
-30°	29.4	29.3	29.0	28.6	27.8	26.7	25.7	24.8	23.9	22.6	21.1
-31.25°	29.4	29.2	28.8	28.3	27.3	26.3	25.3	24.5	23.5	22.1	20.6
-32.5°	29.3	29.0	28.6	27.8	26.8	25.8	25.0	24.1	22.9	21.5	20.1
-33.75°	29.1	28.8	28.3	27.3	26.3	25.4	24.6	23.7	22.3	21.0	19.6
-35°	28.9	28.6	27.7	26.8	25.8	25.0	24.2	23.1	21.8	20.4	19.0
-36.25°	28.7	28.1	27.2	26.2	25.4	24.6	23.7	22.5	21.1	19.8	18.5
-37.5°	28.4	27.5	26.6	25.7	24.9	24.1	23.1	21.8	20.5	19.2	17.9
-38.75°	27.8	26.9	26.0	25.2	24.4	23.6	22.4	21.1	19.9	18.6	17.3
-40°	27.1	26.3	25.5	24.7	24.0	22.9	21.7	20.5	19.2	18.0	16.7
-41.25°	26.4	25.7	24.9	24.2	23.3	22.2	21.0	19.8	18.6	17.3	16.2
-42.5°	25.8	25.1	24.4	23.7	22.5	21.4	20.2	19.1	17.9	16.7	15.6
-43.75°	25.2	24.5	23.8	22.8	21.7	20.6	19.5	18.3	17.2	16.1	15.1
-45°	24.6	24.0	23.0	22.0	20.9	19.8	18.7	17.6	16.5	15.5	14.5
-46.25°	24.0	23.2	22.1	21.1	20.1	19.0	17.9	16.8	15.8	14.9	13.9
-47.5°	23.2	22.2	21.2	20.2	19.2	18.2	17.1	16.1	15.2	14.2	13.3
-48.75°	22.2	21.3	20.3	19.3	18.3	17.3	16.4	15.4	14.5	13.6	12.8
-50°	21.2	20.3	19.4	18.4	17.4	16.5	15.6	14.7	13.9	13.1	12.3
-51.25°	20.2	19.3	18.4	17.5	16.6	15.7	14.9	14.0	13.2	12.5	11.8
-52.5°	19.2	18.3	17.4	16.6	15.8	15.0	14.1	13.4	12.7	11.9	11.2
-53.75°	18.2	17.3	16.5	15.7	15.0	14.2	13.4	12.7	12.1	11.4	10.8
-55°	17.1	16.4	15.6	14.9	14.1	13.4	12.8	12.1	11.5	10.9	10.4
-56.25°	16.1	15.4	14.7	14.0	13.4	12.7	12.1	11.5	10.9	10.5	10.0
-57.5°	15.2	14.5	13.9	13.2	12.7	12.1	11.5	10.9	10.5	10.1	9.6
-58.75°	14.2	13.6	13.1	12.5	11.9	11.4	10.9	10.5	10.1	9.6	9.2
-60°	13.3	12.8	12.3	11.8	11.2	10.8	10.4	10.0	9.6	9.2	9.0
-61.25°	12.5	12.0	11.5	11.0	10.7	10.3	9.9	9.6	9.2	9.0	8.8
-62.5°	11.7	11.2	10.8	10.5	10.2	9.8	9.5	9.2	9.0	8.8	8.6
-63.75°	10.9	10.6	10.3	10.0	9.6	9.3	9.1	8.9	8.7	8.6	8.4
-65°	10.3	10.0	9.7	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.1
-66.25°	9.8	9.5	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	7.8
-67.5°	9.2	9.1	8.9	8.8	8.6	8.5	8.4	8.2	8.0	7.8	7.5
-68.75°	8.9	8.8	8.6	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.2
-70°	8.6	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.9
-71.25°	8.3	8.2	8.0	7.8	7.7	7.5	7.3	7.1	7.0	6.7	6.5
-72.5°	7.9	7.7	7.6	7.4	7.3	7.1	7.0	6.7	6.5	6.3	6.1
-73.75°	7.5	7.3	7.2	7.0	6.9	6.7	6.5	6.3	6.1	5.9	5.7
-75°	7.0	6.9	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.3
-76.25°	6.5	6.3	6.2	6.0	5.9	5.7	5.5	5.4	5.2	5.0	4.8
-77.5°	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.9	4.7	4.5	4.4



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	3.9
-80°	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
-81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9
-82.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
-83.75°	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.1	1.9	1.8
-85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.5	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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1
81.25°	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
80°	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.6
78.75°	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9
77.5°	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2
76.25°	4.6	4.4	4.2	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5
75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8
73.75°	5.5	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.6	3.3	3.1
72.5°	5.9	5.6	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6	3.3
71.25°	6.2	6.0	5.8	5.5	5.3	5.0	4.7	4.4	4.2	3.9	3.6
70°	6.6	6.4	6.1	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9
68.75°	7.0	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.1
67.5°	7.3	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.3
66.25°	7.6	7.4	7.1	6.9	6.5	6.2	5.9	5.6	5.3	4.9	4.6
65°	7.9	7.7	7.4	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.8
63.75°	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.8	5.4	5.0
62.5°	8.4	8.2	7.9	7.7	7.4	7.1	6.8	6.4	6.0	5.6	5.2
61.25°	8.6	8.4	8.2	7.9	7.6	7.3	7.0	6.6	6.2	5.9	5.5
60°	8.8	8.6	8.4	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.7
58.75°	9.0	8.8	8.6	8.4	8.1	7.8	7.4	7.1	6.7	6.3	5.9
57.5°	9.2	9.0	8.7	8.5	8.3	8.0	7.6	7.3	7.0	6.5	6.1
56.25°	9.6	9.2	8.9	8.7	8.5	8.2	7.8	7.5	7.1	6.7	6.3
55°	9.9	9.5	9.1	8.9	8.6	8.4	8.0	7.7	7.3	7.0	6.5
53.75°	10.3	9.8	9.3	9.0	8.8	8.5	8.2	7.9	7.5	7.1	6.7
52.5°	10.7	10.2	9.6	9.2	8.9	8.6	8.4	8.0	7.7	7.3	6.9
51.25°	11.0	10.5	10.0	9.4	9.1	8.8	8.5	8.2	7.8	7.4	7.0
50°	11.5	10.8	10.3	9.7	9.2	8.9	8.6	8.4	8.0	7.6	7.2
48.75°	12.0	11.2	10.6	10.0	9.5	9.1	8.8	8.5	8.2	7.7	7.3
47.5°	12.5	11.7	10.9	10.3	9.8	9.2	8.9	8.6	8.3	7.9	7.5
46.25°	13.0	12.2	11.3	10.6	10.0	9.4	9.0	8.7	8.4	8.0	7.6
45°	13.5	12.6	11.8	10.9	10.3	9.7	9.1	8.8	8.5	8.2	7.7
43.75°	14.0	13.1	12.2	11.3	10.6	10.0	9.3	8.9	8.6	8.3	7.9
42.5°	14.6	13.5	12.6	11.7	10.8	10.2	9.6	9.1	8.7	8.4	8.0
41.25°	15.1	14.0	13.0	12.1	11.1	10.4	9.8	9.2	8.8	8.5	8.1
40°	15.6	14.5	13.4	12.4	11.5	10.7	10.0	9.3	8.9	8.6	8.2
38.75°	16.1	15.0	13.8	12.8	11.8	10.9	10.2	9.5	9.0	8.7	8.3
37.5°	16.6	15.4	14.3	13.2	12.2	11.2	10.4	9.7	9.1	8.8	8.4
36.25°	17.2	15.9	14.7	13.5	12.5	11.5	10.6	9.9	9.2	8.9	8.5
35°	17.7	16.4	15.1	13.9	12.8	11.8	10.8	10.1	9.4	8.9	8.6



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	18.2	16.8	15.6	14.3	13.1	12.1	11.0	10.3	9.6	9.0	8.6
32.5°	18.7	17.3	16.0	14.7	13.5	12.4	11.3	10.5	9.7	9.1	8.7
31.25°	19.2	17.8	16.3	15.1	13.8	12.7	11.6	10.6	9.9	9.2	8.8
30°	19.7	18.2	16.7	15.4	14.1	12.9	11.8	10.8	10.0	9.3	8.8
28.75°	20.1	18.6	17.1	15.8	14.4	13.2	12.1	11.0	10.2	9.4	8.9
27.5°	20.6	19.0	17.5	16.1	14.8	13.4	12.3	11.2	10.3	9.5	9.0
26.25°	21.0	19.5	17.9	16.4	15.1	13.7	12.5	11.4	10.5	9.7	9.0
25°	21.4	19.8	18.3	16.7	15.3	14.0	12.7	11.6	10.6	9.8	9.1
23.75°	21.8	20.2	18.6	17.1	15.6	14.2	12.9	11.8	10.7	9.9	9.1
22.5°	22.1	20.6	19.0	17.4	15.9	14.5	13.1	12.0	10.8	10.0	9.2
21.25°	22.5	20.9	19.3	17.7	16.1	14.7	13.3	12.1	11.0	10.1	9.3
20°	22.8	21.2	19.6	18.0	16.4	14.9	13.5	12.3	11.1	10.2	9.4
18.75°	23.1	21.5	19.9	18.2	16.6	15.1	13.7	12.5	11.2	10.3	9.5
17.5°	23.4	21.8	20.1	18.5	16.8	15.3	13.9	12.6	11.4	10.4	9.5
16.25°	23.7	22.0	20.4	18.7	17.0	15.5	14.0	12.7	11.5	10.5	9.6
15°	23.9	22.3	20.6	18.9	17.3	15.7	14.2	12.9	11.6	10.6	9.7
13.75°	24.0	22.5	20.8	19.1	17.4	15.9	14.4	13.0	11.7	10.6	9.8
12.5°	24.1	22.7	21.0	19.3	17.6	16.0	14.5	13.1	11.8	10.7	9.8
11.25°	24.3	22.9	21.2	19.5	17.8	16.1	14.6	13.2	11.9	10.8	9.9
10°	24.4	23.1	21.4	19.6	17.9	16.3	14.7	13.3	12.0	10.8	9.9
8.75°	24.5	23.2	21.5	19.8	18.0	16.4	14.8	13.3	12.1	10.8	10.0
7.5°	24.6	23.3	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.9	10.0
6.25°	24.6	23.5	21.7	20.0	18.2	16.5	15.0	13.5	12.2	10.9	10.0
5°	24.7	23.5	21.8	20.1	18.3	16.6	15.0	13.5	12.2	11.0	10.1
3.75°	24.7	23.6	21.9	20.1	18.4	16.6	15.1	13.6	12.3	11.0	10.1
2.5°	24.8	23.7	21.9	20.2	18.4	16.7	15.1	13.6	12.3	11.0	10.1
1.25°	24.8	23.7	21.9	20.2	18.4	16.7	15.1	13.6	12.3	11.0	10.1
0°	24.8	23.7	22.0	20.2	18.5	16.7	15.2	13.6	12.3	11.0	10.1
-1.25°	24.8	23.7	21.9	20.2	18.4	16.7	15.1	13.6	12.3	11.0	10.1
-2.5°	24.8	23.7	21.9	20.2	18.4	16.7	15.1	13.6	12.3	11.0	10.1
-3.75°	24.7	23.6	21.9	20.1	18.4	16.6	15.1	13.6	12.3	11.0	10.1
-5°	24.7	23.5	21.8	20.1	18.3	16.6	15.0	13.5	12.2	11.0	10.1
-6.25°	24.6	23.5	21.7	20.0	18.2	16.5	15.0	13.5	12.2	10.9	10.0
-7.5°	24.6	23.3	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.9	10.0
-8.75°	24.5	23.2	21.5	19.8	18.0	16.4	14.8	13.3	12.1	10.8	10.0
-10°	24.4	23.1	21.4	19.6	17.9	16.3	14.7	13.3	12.0	10.8	9.9
-11.25°	24.3	22.9	21.2	19.5	17.8	16.1	14.6	13.2	11.9	10.8	9.9
-12.5°	24.1	22.7	21.0	19.3	17.6	16.0	14.5	13.1	11.8	10.7	9.8
-13.75°	24.0	22.5	20.8	19.1	17.4	15.9	14.4	13.0	11.7	10.6	9.8
-15°	23.9	22.3	20.6	18.9	17.3	15.7	14.2	12.9	11.6	10.6	9.7
-16.25°	23.7	22.0	20.4	18.7	17.0	15.5	14.0	12.7	11.5	10.5	9.6
-17.5°	23.4	21.8	20.1	18.5	16.8	15.3	13.9	12.6	11.4	10.4	9.5
-18.75°	23.1	21.5	19.9	18.2	16.6	15.1	13.7	12.5	11.2	10.3	9.5
-20°	22.8	21.2	19.6	18.0	16.4	14.9	13.5	12.3	11.1	10.2	9.4
-21.25°	22.5	20.9	19.3	17.7	16.1	14.7	13.3	12.1	11.0	10.1	9.3



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	22.1	20.6	19.0	17.4	15.9	14.5	13.1	12.0	10.8	10.0	9.2
-23.75°	21.8	20.2	18.6	17.1	15.6	14.2	12.9	11.8	10.7	9.9	9.1
-25°	21.4	19.8	18.3	16.7	15.3	14.0	12.7	11.6	10.6	9.8	9.1
-26.25°	21.0	19.5	17.9	16.4	15.1	13.7	12.5	11.4	10.5	9.7	9.0
-27.5°	20.6	19.0	17.5	16.1	14.8	13.4	12.3	11.2	10.3	9.5	9.0
-28.75°	20.1	18.6	17.1	15.8	14.4	13.2	12.1	11.0	10.2	9.4	8.9
-30°	19.7	18.2	16.7	15.4	14.1	12.9	11.8	10.8	10.0	9.3	8.8
-31.25°	19.2	17.8	16.3	15.1	13.8	12.7	11.6	10.6	9.9	9.2	8.8
-32.5°	18.7	17.3	16.0	14.7	13.5	12.4	11.3	10.5	9.7	9.1	8.7
-33.75°	18.2	16.8	15.6	14.3	13.1	12.1	11.0	10.3	9.6	9.0	8.6
-35°	17.7	16.4	15.1	13.9	12.8	11.8	10.8	10.1	9.4	8.9	8.6
-36.25°	17.2	15.9	14.7	13.5	12.5	11.5	10.6	9.9	9.2	8.9	8.5
-37.5°	16.6	15.4	14.3	13.2	12.2	11.2	10.4	9.7	9.1	8.8	8.4
-38.75°	16.1	15.0	13.8	12.8	11.8	10.9	10.2	9.5	9.0	8.7	8.3
-40°	15.6	14.5	13.4	12.4	11.5	10.7	10.0	9.3	8.9	8.6	8.2
-41.25°	15.1	14.0	13.0	12.1	11.1	10.4	9.8	9.2	8.8	8.5	8.1
-42.5°	14.6	13.5	12.6	11.7	10.8	10.2	9.6	9.1	8.7	8.4	8.0
-43.75°	14.0	13.1	12.2	11.3	10.6	10.0	9.3	8.9	8.6	8.3	7.9
-45°	13.5	12.6	11.8	10.9	10.3	9.7	9.1	8.8	8.5	8.2	7.7
-46.25°	13.0	12.2	11.3	10.6	10.0	9.4	9.0	8.7	8.4	8.0	7.6
-47.5°	12.5	11.7	10.9	10.3	9.8	9.2	8.9	8.6	8.3	7.9	7.5
-48.75°	12.0	11.2	10.6	10.0	9.5	9.1	8.8	8.5	8.2	7.7	7.3
-50°	11.5	10.8	10.3	9.7	9.2	8.9	8.6	8.4	8.0	7.6	7.2
-51.25°	11.0	10.5	10.0	9.4	9.1	8.8	8.5	8.2	7.8	7.4	7.0
-52.5°	10.7	10.2	9.6	9.2	8.9	8.6	8.4	8.0	7.7	7.3	6.9
-53.75°	10.3	9.8	9.3	9.0	8.8	8.5	8.2	7.9	7.5	7.1	6.7
-55°	9.9	9.5	9.1	8.9	8.6	8.4	8.0	7.7	7.3	7.0	6.5
-56.25°	9.6	9.2	8.9	8.7	8.5	8.2	7.8	7.5	7.1	6.7	6.3
-57.5°	9.2	9.0	8.7	8.5	8.3	8.0	7.6	7.3	7.0	6.5	6.1
-58.75°	9.0	8.8	8.6	8.4	8.1	7.8	7.4	7.1	6.7	6.3	5.9
-60°	8.8	8.6	8.4	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.7
-61.25°	8.6	8.4	8.2	7.9	7.6	7.3	7.0	6.6	6.2	5.9	5.5
-62.5°	8.4	8.2	7.9	7.7	7.4	7.1	6.8	6.4	6.0	5.6	5.2
-63.75°	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.8	5.4	5.0
-65°	7.9	7.7	7.4	7.2	6.9	6.5	6.2	5.9	5.5	5.2	4.8
-66.25°	7.6	7.4	7.1	6.9	6.5	6.2	5.9	5.6	5.3	4.9	4.6
-67.5°	7.3	7.1	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.3
-68.75°	7.0	6.8	6.5	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.1
-70°	6.6	6.4	6.1	5.9	5.6	5.3	5.0	4.7	4.4	4.2	3.9
-71.25°	6.2	6.0	5.8	5.5	5.3	5.0	4.7	4.4	4.2	3.9	3.6
-72.5°	5.9	5.6	5.4	5.2	4.9	4.7	4.4	4.2	3.9	3.6	3.3
-73.75°	5.5	5.2	5.0	4.8	4.6	4.3	4.1	3.9	3.6	3.3	3.1
-75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8
-76.25°	4.6	4.4	4.2	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5
-77.5°	4.2	4.0	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9
-80°	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.6
-81.25°	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
-82.5°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	8.3	7.7	7.2	6.5	5.8	5.1	4.4	3.6	2.8	1.8	1.1
32.5°	8.3	7.8	7.3	6.6	5.9	5.2	4.5	3.7	2.8	1.9	1.1
31.25°	8.4	7.9	7.3	6.7	6.0	5.3	4.5	3.7	2.9	1.9	1.1
30°	8.5	8.0	7.4	6.8	6.1	5.3	4.6	3.8	2.9	2.0	1.1
28.75°	8.5	8.1	7.5	6.9	6.2	5.4	4.6	3.8	3.0	2.0	1.1
27.5°	8.6	8.1	7.6	7.0	6.2	5.5	4.7	3.9	3.0	2.0	1.2
26.25°	8.6	8.2	7.6	7.0	6.3	5.5	4.7	3.9	3.0	2.1	1.2
25°	8.7	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2
23.75°	8.7	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2
22.5°	8.8	8.4	7.8	7.2	6.5	5.7	4.9	4.1	3.2	2.1	1.2
21.25°	8.8	8.4	7.9	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2
20°	8.9	8.4	7.9	7.3	6.6	5.8	5.0	4.1	3.2	2.2	1.2
18.75°	8.9	8.5	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.2	1.2
17.5°	8.9	8.5	8.0	7.4	6.7	5.9	5.0	4.2	3.3	2.2	1.2
16.25°	9.0	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.3	2.3	1.2
15°	9.0	8.6	8.1	7.4	6.8	5.9	5.1	4.2	3.3	2.3	1.3
13.75°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.3	1.3
12.5°	9.1	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.4	2.3	1.3
11.25°	9.1	8.7	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
10°	9.1	8.7	8.2	7.6	6.9	6.1	5.2	4.3	3.4	2.3	1.3
8.75°	9.1	8.7	8.2	7.6	6.9	6.1	5.2	4.3	3.4	2.4	1.3
7.5°	9.2	8.7	8.2	7.6	6.9	6.1	5.3	4.4	3.5	2.4	1.3
6.25°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
5°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
3.75°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
2.5°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
1.25°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
0°	9.2	8.8	8.3	7.7	7.0	6.2	5.3	4.4	3.5	2.4	1.3
-1.25°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
-2.5°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
-3.75°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
-5°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
-6.25°	9.2	8.7	8.3	7.6	7.0	6.1	5.3	4.4	3.5	2.4	1.3
-7.5°	9.2	8.7	8.2	7.6	6.9	6.1	5.3	4.4	3.5	2.4	1.3
-8.75°	9.1	8.7	8.2	7.6	6.9	6.1	5.2	4.3	3.4	2.4	1.3
-10°	9.1	8.7	8.2	7.6	6.9	6.1	5.2	4.3	3.4	2.3	1.3
-11.25°	9.1	8.7	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-12.5°	9.1	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.4	2.3	1.3
-13.75°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.3	1.3
-15°	9.0	8.6	8.1	7.4	6.8	5.9	5.1	4.2	3.3	2.3	1.3
-16.25°	9.0	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.3	2.3	1.2
-17.5°	8.9	8.5	8.0	7.4	6.7	5.9	5.0	4.2	3.3	2.2	1.2
-18.75°	8.9	8.5	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.2	1.2
-20°	8.9	8.4	7.9	7.3	6.6	5.8	5.0	4.1	3.2	2.2	1.2
-21.25°	8.8	8.4	7.9	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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: P220435 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-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)