

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: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

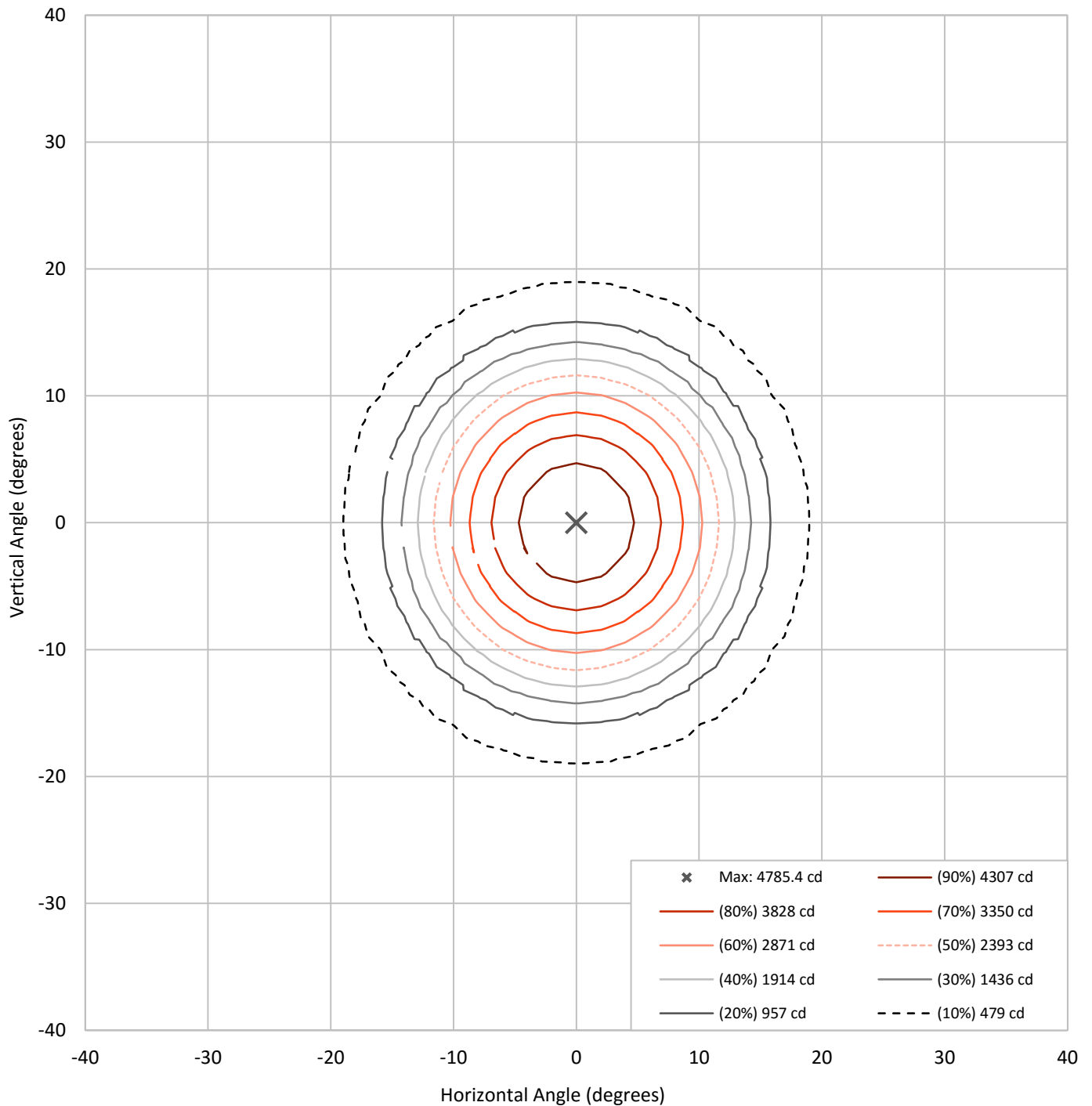
Test Method: LM-79-08
Report Number: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29410)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD 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:	854.3 lumens	Max Intensity:	4785.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	85.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	23.3°H x 23.3°V	Field Angle (10%):	37.5°H x 37.5°V
Beam Lumens:	457.6 lumens	Field Lumens:	692.4 lumens
Beam Efficiency:	53.6%	Field Efficiency:	81.0%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





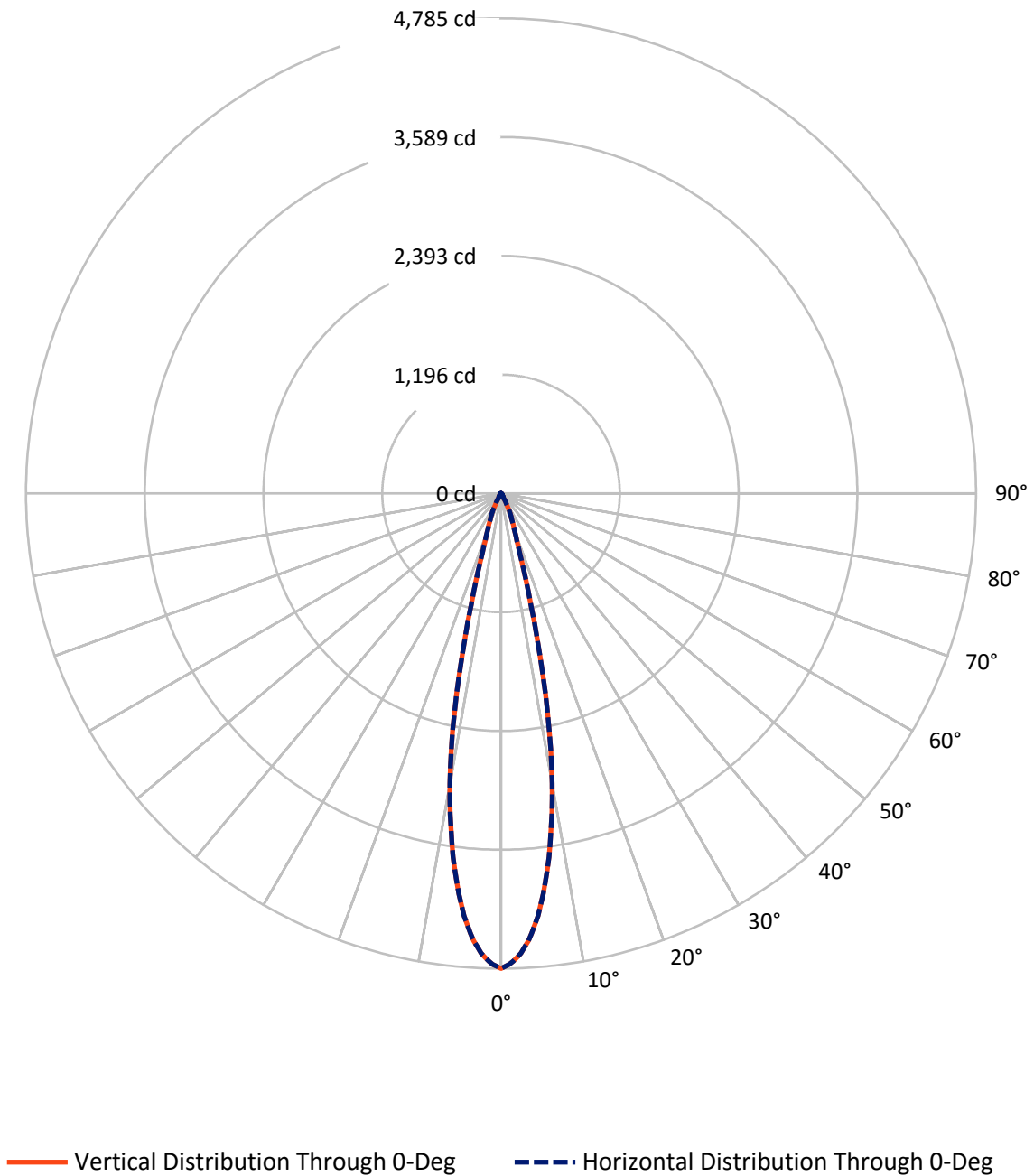
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Lumen Table

90	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.1	0.0									
80	0.0	0.1	0.3	0.4	0.4	0.4	0.4	0.3	0.1	0.0									
70	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0			
60		0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1				
50	0.1	0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.1			
40		0.1	0.2	0.3	0.3	0.5	0.6	0.8	0.8	0.6	0.5	0.3	0.3	0.2	0.1				
30	0.1	0.1	0.2	0.3	0.4	0.8	2.6	5.5	5.5	2.6	0.8	0.4	0.3	0.2	0.1	0.1			
20		0.1	0.2	0.3	0.5	2.5	11.3	33.6	33.6	11.3	2.5	0.5	0.3	0.2	0.1				
10	0.1	0.1	0.2	0.3	0.7	5.0	32.7	107.4	107.4	32.7	5.0	0.7	0.3	0.2	0.1	0.1			
0		0.1	0.2	0.3	0.7	5.0	32.7	107.4	107.4	32.7	5.0	0.7	0.3	0.2	0.1				
-10	0.1	0.1	0.2	0.3	0.5	2.5	11.3	33.6	33.6	11.3	2.5	0.5	0.3	0.2	0.1	0.1			
-20		0.1	0.2	0.3	0.4	0.8	2.6	5.5	5.5	2.6	0.8	0.4	0.3	0.2	0.1				
-30	0.1	0.1	0.2	0.3	0.3	0.5	0.6	0.8	0.8	0.6	0.5	0.3	0.3	0.2	0.1	0.1			
-40		0.1	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1				
-50	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1	0.0			
-60		0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	0.1		0.0		
-70	0.0	0.1	0.3	0.4	0.4	0.4	0.3	0.1	0.0						0.0				
-80		0.1	0.3	0.4	0.4	0.4	0.3	0.1	0.0										
-90	0.0	0.1	0.3	0.4	0.4	0.4	0.3	0.1	0.0						0.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

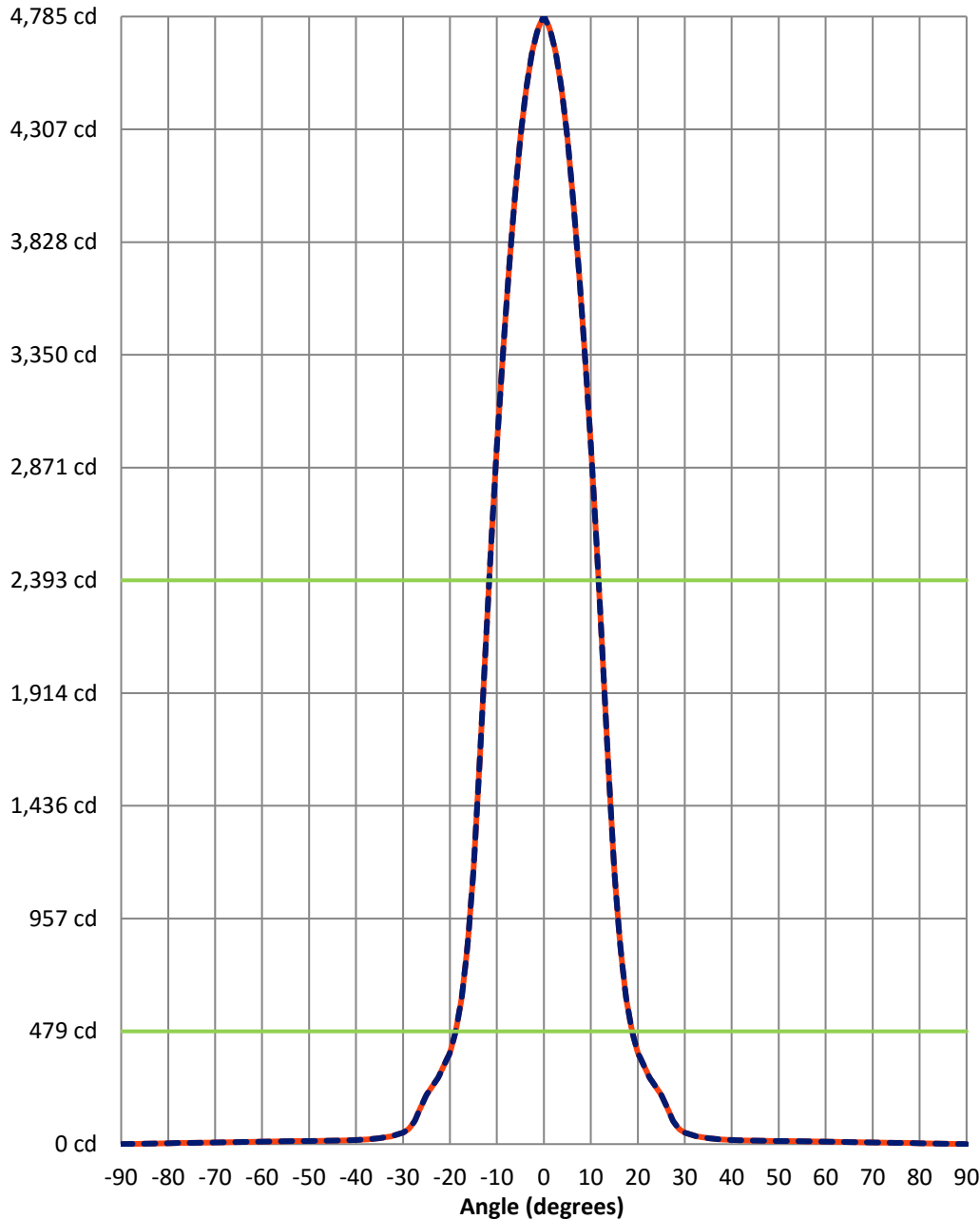
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.3°
 V Angle: 23.3°
 Lumens: 457.6
 Efficiency: 53.6%

Field:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 692.4
 Efficiency: 81.0%

Spill:
 Lumens: 162
 Efficiency: 19.0%

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



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.9	3.3	3.7
32.5°	0.0	0.4	0.8	1.1	1.4	1.8	2.2	2.6	2.9	3.3	3.9
31.25°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	4.0
30°	0.0	0.4	0.8	1.1	1.5	1.8	2.2	2.6	3.0	3.4	4.0
28.75°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.4	4.1
27.5°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	4.2
26.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.6	4.3
25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.8	3.2	3.6	4.4
23.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.7	4.5
22.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.8	4.5
21.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.8	4.6
20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.3	3.9	4.7
18.75°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.9	4.7
17.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	4.0	4.8
16.25°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	4.0	4.9
15°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	4.1	4.9
13.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.1	5.0
12.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.2	5.0
11.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.2	5.0
10°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	4.2	5.1
8.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
7.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
6.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
3.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
2.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
1.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
0°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	4.4	5.2
-1.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
-2.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
-3.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
-5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.2
-6.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
-7.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
-8.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.5	4.3	5.1
-10°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.4	4.2	5.1
-11.25°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.2	5.0
-12.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.2	5.0
-13.75°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	3.0	3.4	4.1	5.0
-15°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	4.1	4.9
-16.25°	0.0	0.4	0.9	1.3	1.6	2.1	2.5	2.9	3.4	4.0	4.9
-17.5°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	4.0	4.8
-18.75°	0.0	0.4	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.9	4.7
-20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.9	3.3	3.9	4.7
-21.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	3.8	4.6



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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	4.5	5.2	5.2	5.2	5.4	5.7	6.1	6.4	6.8	7.1	7.5
32.5°	4.6	5.2	5.2	5.2	5.5	5.8	6.2	6.5	6.9	7.2	7.6
31.25°	4.7	5.2	5.2	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7
30°	4.8	5.2	5.2	5.2	5.6	6.0	6.4	6.7	7.0	7.4	7.8
28.75°	4.9	5.2	5.2	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.9
27.5°	5.0	5.2	5.2	5.4	5.8	6.2	6.5	6.8	7.2	7.6	8.0
26.25°	5.1	5.2	5.2	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
25°	5.2	5.2	5.2	5.5	5.9	6.3	6.6	7.0	7.4	7.8	8.2
23.75°	5.2	5.2	5.2	5.6	6.0	6.3	6.7	7.1	7.5	7.9	8.3
22.5°	5.2	5.2	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
21.25°	5.2	5.2	5.2	5.7	6.1	6.4	6.8	7.2	7.6	8.1	8.5
20°	5.2	5.2	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
18.75°	5.2	5.2	5.3	5.8	6.2	6.5	6.9	7.3	7.8	8.2	8.6
17.5°	5.2	5.2	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.3	8.7
16.25°	5.2	5.2	5.4	5.8	6.3	6.6	7.0	7.5	7.9	8.3	8.7
15°	5.2	5.2	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.4	8.8
13.75°	5.2	5.2	5.5	5.9	6.3	6.7	7.1	7.6	8.0	8.4	8.9
12.5°	5.2	5.2	5.5	5.9	6.4	6.7	7.2	7.6	8.0	8.5	8.9
11.25°	5.2	5.2	5.5	6.0	6.4	6.8	7.2	7.6	8.1	8.5	9.0
10°	5.2	5.2	5.6	6.0	6.4	6.8	7.2	7.7	8.1	8.6	9.0
8.75°	5.2	5.2	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.6	9.0
7.5°	5.2	5.2	5.6	6.0	6.4	6.8	7.3	7.7	8.2	8.6	9.1
6.25°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.2	8.6	9.1
5°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
3.75°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
2.5°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
1.25°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
0°	5.2	5.2	5.7	6.1	6.5	6.9	7.4	7.8	8.3	8.7	9.2
-1.25°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
-2.5°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
-3.75°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
-5°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.8	8.2	8.7	9.1
-6.25°	5.2	5.2	5.6	6.1	6.5	6.9	7.3	7.7	8.2	8.6	9.1
-7.5°	5.2	5.2	5.6	6.0	6.4	6.8	7.3	7.7	8.2	8.6	9.1
-8.75°	5.2	5.2	5.6	6.0	6.4	6.8	7.3	7.7	8.1	8.6	9.0
-10°	5.2	5.2	5.6	6.0	6.4	6.8	7.2	7.7	8.1	8.6	9.0
-11.25°	5.2	5.2	5.5	6.0	6.4	6.8	7.2	7.6	8.1	8.5	9.0
-12.5°	5.2	5.2	5.5	5.9	6.4	6.7	7.2	7.6	8.0	8.5	8.9
-13.75°	5.2	5.2	5.5	5.9	6.3	6.7	7.1	7.6	8.0	8.4	8.9
-15°	5.2	5.2	5.4	5.9	6.3	6.7	7.1	7.5	7.9	8.4	8.8
-16.25°	5.2	5.2	5.4	5.8	6.3	6.6	7.0	7.5	7.9	8.3	8.7
-17.5°	5.2	5.2	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.3	8.7
-18.75°	5.2	5.2	5.3	5.8	6.2	6.5	6.9	7.3	7.8	8.2	8.6
-20°	5.2	5.2	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5
-21.25°	5.2	5.2	5.2	5.7	6.1	6.4	6.8	7.2	7.6	8.1	8.5



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	5.2	5.2	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4
-23.75°	5.2	5.2	5.2	5.6	6.0	6.3	6.7	7.1	7.5	7.9	8.3
-25°	5.2	5.2	5.2	5.5	5.9	6.3	6.6	7.0	7.4	7.8	8.2
-26.25°	5.1	5.2	5.2	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.1
-27.5°	5.0	5.2	5.2	5.4	5.8	6.2	6.5	6.8	7.2	7.6	8.0
-28.75°	4.9	5.2	5.2	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.9
-30°	4.8	5.2	5.2	5.2	5.6	6.0	6.4	6.7	7.0	7.4	7.8
-31.25°	4.7	5.2	5.2	5.2	5.5	5.9	6.3	6.6	7.0	7.3	7.7
-32.5°	4.6	5.2	5.2	5.2	5.5	5.8	6.2	6.5	6.9	7.2	7.6
-33.75°	4.5	5.2	5.2	5.2	5.4	5.7	6.1	6.4	6.8	7.1	7.5
-35°	4.3	5.0	5.2	5.2	5.3	5.7	6.0	6.3	6.7	7.0	7.3
-36.25°	4.2	4.9	5.2	5.2	5.2	5.6	5.9	6.3	6.6	6.9	7.2
-37.5°	4.1	4.8	5.2	5.2	5.2	5.5	5.8	6.2	6.5	6.8	7.1
-38.75°	4.0	4.6	5.2	5.2	5.2	5.4	5.7	6.1	6.4	6.7	7.0
-40°	3.8	4.5	5.1	5.2	5.2	5.3	5.6	5.9	6.3	6.5	6.8
-41.25°	3.7	4.3	5.0	5.2	5.2	5.2	5.5	5.8	6.1	6.4	6.7
-42.5°	3.6	4.2	4.8	5.2	5.2	5.2	5.4	5.7	6.0	6.3	6.6
-43.75°	3.5	4.0	4.6	5.2	5.2	5.2	5.3	5.6	5.9	6.2	6.5
-45°	3.4	3.9	4.5	5.0	5.2	5.2	5.2	5.5	5.8	6.1	6.3
-46.25°	3.3	3.7	4.3	4.9	5.2	5.2	5.2	5.3	5.6	5.9	6.2
-47.5°	3.2	3.5	4.1	4.7	5.2	5.2	5.2	5.2	5.5	5.8	6.1
-48.75°	3.1	3.4	3.9	4.5	5.0	5.2	5.2	5.2	5.3	5.6	5.9
-50°	3.1	3.3	3.7	4.3	4.8	5.2	5.2	5.2	5.2	5.5	5.7
-51.25°	3.0	3.3	3.6	4.1	4.6	5.1	5.2	5.2	5.2	5.3	5.6
-52.5°	2.9	3.2	3.4	3.9	4.4	4.9	5.2	5.2	5.2	5.2	5.4
-53.75°	2.8	3.1	3.3	3.7	4.2	4.6	5.1	5.2	5.2	5.2	5.3
-55°	2.7	3.0	3.2	3.5	3.9	4.4	4.9	5.2	5.2	5.2	5.2
-56.25°	2.6	2.9	3.1	3.4	3.7	4.1	4.6	5.0	5.2	5.2	5.2
-57.5°	2.5	2.8	3.0	3.2	3.5	3.9	4.3	4.8	5.2	5.2	5.2
-58.75°	2.4	2.7	2.9	3.1	3.4	3.6	4.1	4.5	4.9	5.2	5.2
-60°	2.4	2.6	2.8	3.0	3.2	3.4	3.8	4.2	4.6	5.0	5.2
-61.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.9	4.3	4.7	5.1
-62.5°	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	4.0	4.4	4.7
-63.75°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.7	4.0	4.4
-65°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.3	3.4	3.7	4.0
-66.25°	1.9	2.1	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.4	3.7
-67.5°	1.8	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.3	3.4
-68.75°	1.7	1.8	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2
-70°	1.6	1.7	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.0
-71.25°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8
-72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.5	2.7
-73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.5
-75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.1	2.2	2.3
-76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-77.5°	1.0	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
86.25°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
85°	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1
83.75°	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
82.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6
81.25°	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9
80°	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2
78.75°	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5
77.5°	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8
76.25°	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.3
73.75°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7
72.5°	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.7	3.9	4.1	4.3
71.25°	3.0	3.1	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	4.8
70°	3.2	3.3	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.2
68.75°	3.4	3.5	3.8	4.1	4.3	4.6	4.9	5.1	5.2	5.2	5.2
67.5°	3.6	3.9	4.2	4.5	4.8	5.0	5.2	5.2	5.2	5.2	5.2
66.25°	4.0	4.3	4.6	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
65°	4.4	4.7	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.5
63.75°	4.7	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.6	5.7
62.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.5	5.7	5.8	6.0
61.25°	5.2	5.2	5.2	5.2	5.2	5.4	5.6	5.7	5.9	6.1	6.3
60°	5.2	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5
58.75°	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.7
57.5°	5.2	5.2	5.4	5.6	5.8	6.1	6.2	6.4	6.6	6.8	7.0
56.25°	5.2	5.4	5.6	5.8	6.1	6.3	6.4	6.6	6.8	7.0	7.2
55°	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5
53.75°	5.5	5.7	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.7
52.5°	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.8	8.0
51.25°	5.8	6.1	6.3	6.6	6.8	7.0	7.3	7.5	7.8	8.0	8.2
50°	6.0	6.3	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.5
48.75°	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.7
47.5°	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.7	9.0
46.25°	6.5	6.7	7.0	7.3	7.6	7.8	8.1	8.4	8.7	8.9	9.2
45°	6.6	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.4
43.75°	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7
42.5°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
41.25°	7.0	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.0
40°	7.2	7.5	7.8	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.2
38.75°	7.3	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.4
37.5°	7.4	7.8	8.1	8.4	8.8	9.1	9.4	9.8	10.0	10.3	10.6
36.25°	7.6	7.9	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5	10.8
35°	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.1	10.4	10.7	11.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	7.8	8.2	8.5	8.9	9.3	9.6	9.9	10.2	10.5	10.9	11.2
32.5°	8.0	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.1	11.4
31.25°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.5	10.9	11.2	11.6
30°	8.2	8.6	8.9	9.3	9.7	10.0	10.3	10.7	11.1	11.4	11.8
28.75°	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.6	11.9
27.5°	8.4	8.8	9.2	9.6	9.9	10.2	10.6	11.0	11.4	11.7	12.1
26.25°	8.5	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
25°	8.6	9.0	9.4	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4
23.75°	8.7	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.5
22.5°	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7
21.25°	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8
20°	9.0	9.4	9.8	10.1	10.5	10.9	11.3	11.8	12.2	12.5	12.9
18.75°	9.0	9.5	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.6	13.0
17.5°	9.1	9.5	9.9	10.3	10.7	11.1	11.5	12.0	12.4	12.7	13.0
16.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.4	12.8	13.0
15°	9.2	9.7	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.9	13.0
13.75°	9.3	9.7	10.1	10.5	10.9	11.4	11.8	12.2	12.6	13.0	13.0
12.5°	9.3	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.7	13.0	13.0
11.25°	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.0	13.0
10°	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	13.0	13.0
8.75°	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.8	13.0	13.0
7.5°	9.5	9.9	10.3	10.7	11.2	11.6	12.1	12.5	12.9	13.0	13.0
6.25°	9.5	9.9	10.3	10.8	11.2	11.7	12.1	12.5	12.9	13.0	13.0
5°	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.9	13.0	13.0
3.75°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
2.5°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
1.25°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
0°	9.6	10.0	10.4	10.9	11.3	11.8	12.2	12.6	13.0	13.0	13.0
-1.25°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
-2.5°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
-3.75°	9.6	10.0	10.4	10.8	11.3	11.7	12.2	12.6	13.0	13.0	13.0
-5°	9.6	10.0	10.4	10.8	11.3	11.7	12.1	12.5	12.9	13.0	13.0
-6.25°	9.5	9.9	10.3	10.8	11.2	11.7	12.1	12.5	12.9	13.0	13.0
-7.5°	9.5	9.9	10.3	10.7	11.2	11.6	12.1	12.5	12.9	13.0	13.0
-8.75°	9.5	9.9	10.3	10.7	11.1	11.6	12.0	12.4	12.8	13.0	13.0
-10°	9.4	9.8	10.2	10.7	11.1	11.5	12.0	12.4	12.8	13.0	13.0
-11.25°	9.4	9.8	10.2	10.6	11.0	11.5	11.9	12.3	12.7	13.0	13.0
-12.5°	9.3	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.7	13.0	13.0
-13.75°	9.3	9.7	10.1	10.5	10.9	11.4	11.8	12.2	12.6	13.0	13.0
-15°	9.2	9.7	10.0	10.4	10.9	11.3	11.7	12.1	12.5	12.9	13.0
-16.25°	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.1	12.4	12.8	13.0
-17.5°	9.1	9.5	9.9	10.3	10.7	11.1	11.5	12.0	12.4	12.7	13.0
-18.75°	9.0	9.5	9.8	10.2	10.6	11.0	11.4	11.9	12.3	12.6	13.0
-20°	9.0	9.4	9.8	10.1	10.5	10.9	11.3	11.8	12.2	12.5	12.9
-21.25°	8.9	9.3	9.7	10.1	10.4	10.8	11.2	11.6	12.0	12.4	12.8



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.5	11.9	12.3	12.7
-23.75°	8.7	9.1	9.5	9.9	10.2	10.6	11.0	11.4	11.8	12.2	12.5
-25°	8.6	9.0	9.4	9.8	10.1	10.5	10.9	11.3	11.7	12.0	12.4
-26.25°	8.5	8.9	9.3	9.7	10.0	10.4	10.7	11.1	11.5	11.9	12.3
-27.5°	8.4	8.8	9.2	9.6	9.9	10.2	10.6	11.0	11.4	11.7	12.1
-28.75°	8.3	8.7	9.1	9.4	9.8	10.1	10.5	10.8	11.2	11.6	11.9
-30°	8.2	8.6	8.9	9.3	9.7	10.0	10.3	10.7	11.1	11.4	11.8
-31.25°	8.1	8.4	8.8	9.2	9.5	9.9	10.2	10.5	10.9	11.2	11.6
-32.5°	8.0	8.3	8.7	9.0	9.4	9.7	10.1	10.4	10.7	11.1	11.4
-33.75°	7.8	8.2	8.5	8.9	9.3	9.6	9.9	10.2	10.5	10.9	11.2
-35°	7.7	8.1	8.4	8.8	9.1	9.4	9.8	10.1	10.4	10.7	11.0
-36.25°	7.6	7.9	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.5	10.8
-37.5°	7.4	7.8	8.1	8.4	8.8	9.1	9.4	9.8	10.0	10.3	10.6
-38.75°	7.3	7.6	8.0	8.3	8.6	8.9	9.3	9.6	9.9	10.2	10.4
-40°	7.2	7.5	7.8	8.1	8.4	8.8	9.1	9.4	9.7	10.0	10.2
-41.25°	7.0	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.0
-42.5°	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9
-43.75°	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7
-45°	6.6	6.9	7.2	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.4
-46.25°	6.5	6.7	7.0	7.3	7.6	7.8	8.1	8.4	8.7	8.9	9.2
-47.5°	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.2	8.4	8.7	9.0
-48.75°	6.2	6.4	6.7	6.9	7.2	7.4	7.7	8.0	8.2	8.5	8.7
-50°	6.0	6.3	6.5	6.7	7.0	7.2	7.5	7.7	8.0	8.2	8.5
-51.25°	5.8	6.1	6.3	6.6	6.8	7.0	7.3	7.5	7.8	8.0	8.2
-52.5°	5.7	5.9	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.8	8.0
-53.75°	5.5	5.7	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5	7.7
-55°	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	7.3	7.5
-56.25°	5.2	5.4	5.6	5.8	6.1	6.3	6.4	6.6	6.8	7.0	7.2
-57.5°	5.2	5.2	5.4	5.6	5.8	6.1	6.2	6.4	6.6	6.8	7.0
-58.75°	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.7
-60°	5.2	5.2	5.2	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5
-61.25°	5.2	5.2	5.2	5.2	5.2	5.4	5.6	5.7	5.9	6.1	6.3
-62.5°	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.5	5.7	5.8	6.0
-63.75°	4.7	5.1	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.6	5.7
-65°	4.4	4.7	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.5
-66.25°	4.0	4.3	4.6	4.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-67.5°	3.6	3.9	4.2	4.5	4.8	5.0	5.2	5.2	5.2	5.2	5.2
-68.75°	3.4	3.5	3.8	4.1	4.3	4.6	4.9	5.1	5.2	5.2	5.2
-70°	3.2	3.3	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.1	5.2
-71.25°	3.0	3.1	3.2	3.4	3.5	3.7	3.9	4.2	4.4	4.6	4.8
-72.5°	2.8	2.9	3.0	3.1	3.2	3.4	3.5	3.7	3.9	4.1	4.3
-73.75°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.6	3.7
-75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.3
-76.25°	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1
-77.5°	2.0	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5
-80°	1.6	1.6	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2
-81.25°	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9
-82.5°	1.2	1.3	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.6
-83.75°	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4
-85°	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1
-86.25°	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1
85°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4
83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
81.25°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
80°	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8
78.75°	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2
77.5°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5
76.25°	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2
75°	3.4	3.5	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9
73.75°	3.9	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.2	5.2	5.2
72.5°	4.5	4.7	4.9	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2
71.25°	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.5	5.6
68.75°	5.2	5.2	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
67.5°	5.2	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
66.25°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.3	6.4	6.5	6.6
65°	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.7	6.8	6.9
63.75°	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	7.0	7.1	7.2
62.5°	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6
61.25°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9
60°	6.7	6.8	7.0	7.2	7.3	7.5	7.6	7.8	8.0	8.1	8.3
58.75°	6.9	7.1	7.3	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.6
57.5°	7.2	7.4	7.6	7.7	7.9	8.1	8.3	8.4	8.6	8.8	8.9
56.25°	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.3
55°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6
53.75°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	9.9
52.5°	8.2	8.4	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.2
51.25°	8.5	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5
50°	8.7	9.0	9.2	9.4	9.7	9.9	10.0	10.2	10.4	10.6	10.8
48.75°	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.7	11.0	11.2
47.5°	9.2	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.3	11.5
46.25°	9.5	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8
45°	9.7	9.9	10.2	10.4	10.7	10.9	11.2	11.4	11.6	11.9	12.1
43.75°	9.9	10.1	10.4	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
42.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.2	12.5	12.7
41.25°	10.3	10.6	10.9	11.2	11.4	11.7	12.0	12.3	12.5	12.7	12.9
40°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.7	13.0	13.0
38.75°	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.0	13.0
37.5°	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.0	13.0	13.0
36.25°	11.2	11.5	11.8	12.1	12.4	12.7	12.9	13.0	13.0	13.0	13.2
35°	11.4	11.7	12.0	12.3	12.6	12.9	13.0	13.0	13.0	13.2	13.5



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	11.6	11.9	12.2	12.5	12.8	13.0	13.0	13.0	13.2	13.5	13.8
32.5°	11.8	12.1	12.4	12.7	13.0	13.0	13.0	13.1	13.4	13.7	14.0
31.25°	12.0	12.3	12.6	12.9	13.0	13.0	13.0	13.3	13.7	14.0	14.3
30°	12.1	12.5	12.8	13.0	13.0	13.0	13.2	13.6	13.9	14.2	14.5
28.75°	12.3	12.6	12.9	13.0	13.0	13.1	13.4	13.8	14.1	14.5	14.8
27.5°	12.5	12.8	13.0	13.0	13.0	13.3	13.7	14.0	14.4	14.7	15.0
26.25°	12.6	12.9	13.0	13.0	13.1	13.5	13.9	14.2	14.6	14.9	15.2
25°	12.7	13.0	13.0	13.0	13.3	13.7	14.1	14.4	14.8	15.1	15.4
23.75°	12.9	13.0	13.0	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.7
22.5°	13.0	13.0	13.0	13.3	13.7	14.1	14.4	14.8	15.2	15.5	16.1
21.25°	13.0	13.0	13.0	13.4	13.8	14.2	14.6	15.0	15.3	15.7	16.5
20°	13.0	13.0	13.2	13.6	14.0	14.4	14.8	15.1	15.5	16.1	16.9
18.75°	13.0	13.0	13.3	13.7	14.1	14.5	14.9	15.3	15.7	16.5	17.2
17.5°	13.0	13.0	13.5	13.9	14.3	14.7	15.1	15.4	16.0	16.8	17.7
16.25°	13.0	13.2	13.6	14.0	14.4	14.8	15.2	15.6	16.3	17.1	18.2
15°	13.0	13.3	13.7	14.1	14.5	14.9	15.3	15.8	16.6	17.4	18.6
13.75°	13.0	13.4	13.8	14.2	14.6	15.0	15.4	16.0	16.9	17.8	19.0
12.5°	13.0	13.5	13.9	14.3	14.7	15.1	15.5	16.3	17.1	18.2	19.4
11.25°	13.1	13.5	14.0	14.4	14.8	15.2	15.6	16.5	17.3	18.5	19.8
10°	13.2	13.6	14.1	14.5	14.9	15.3	15.8	16.7	17.6	18.8	20.2
8.75°	13.2	13.7	14.1	14.6	15.0	15.4	16.0	16.8	17.8	19.1	20.7
7.5°	13.3	13.7	14.2	14.6	15.0	15.4	16.1	17.0	18.1	19.3	21.2
6.25°	13.3	13.8	14.2	14.7	15.1	15.5	16.2	17.1	18.3	19.5	21.6
5°	13.4	13.8	14.3	14.7	15.1	15.5	16.3	17.2	18.4	19.7	22.0
3.75°	13.4	13.9	14.3	14.8	15.2	15.6	16.4	17.3	18.5	19.8	22.3
2.5°	13.4	13.9	14.3	14.8	15.2	15.6	16.5	17.4	18.6	19.9	22.4
1.25°	13.4	13.9	14.3	14.8	15.2	15.6	16.5	17.4	18.7	20.0	22.6
0°	13.5	13.9	14.4	14.8	15.2	15.6	16.5	17.4	18.7	20.0	22.6
-1.25°	13.4	13.9	14.3	14.8	15.2	15.6	16.5	17.4	18.7	20.0	22.6
-2.5°	13.4	13.9	14.3	14.8	15.2	15.6	16.5	17.4	18.6	19.9	22.4
-3.75°	13.4	13.9	14.3	14.8	15.2	15.6	16.4	17.3	18.5	19.8	22.3
-5°	13.4	13.8	14.3	14.7	15.1	15.5	16.3	17.2	18.4	19.7	22.0
-6.25°	13.3	13.8	14.2	14.7	15.1	15.5	16.2	17.1	18.3	19.5	21.6
-7.5°	13.3	13.7	14.2	14.6	15.0	15.4	16.1	17.0	18.1	19.3	21.2
-8.75°	13.2	13.7	14.1	14.6	15.0	15.4	16.0	16.8	17.8	19.1	20.7
-10°	13.2	13.6	14.1	14.5	14.9	15.3	15.8	16.7	17.6	18.8	20.2
-11.25°	13.1	13.5	14.0	14.4	14.8	15.2	15.6	16.5	17.3	18.5	19.8
-12.5°	13.0	13.5	13.9	14.3	14.7	15.1	15.5	16.3	17.1	18.2	19.4
-13.75°	13.0	13.4	13.8	14.2	14.6	15.0	15.4	16.0	16.9	17.8	19.0
-15°	13.0	13.3	13.7	14.1	14.5	14.9	15.3	15.8	16.6	17.4	18.6
-16.25°	13.0	13.2	13.6	14.0	14.4	14.8	15.2	15.6	16.3	17.1	18.2
-17.5°	13.0	13.0	13.5	13.9	14.3	14.7	15.1	15.4	16.0	16.8	17.7
-18.75°	13.0	13.0	13.3	13.7	14.1	14.5	14.9	15.3	15.7	16.5	17.2
-20°	13.0	13.0	13.2	13.6	14.0	14.4	14.8	15.1	15.5	16.1	16.9
-21.25°	13.0	13.0	13.0	13.4	13.8	14.2	14.6	15.0	15.3	15.7	16.5



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	13.0	13.0	13.0	13.3	13.7	14.1	14.4	14.8	15.2	15.5	16.1
-23.75°	12.9	13.0	13.0	13.1	13.5	13.9	14.3	14.6	15.0	15.3	15.7
-25°	12.7	13.0	13.0	13.0	13.3	13.7	14.1	14.4	14.8	15.1	15.4
-26.25°	12.6	12.9	13.0	13.0	13.1	13.5	13.9	14.2	14.6	14.9	15.2
-27.5°	12.5	12.8	13.0	13.0	13.0	13.3	13.7	14.0	14.4	14.7	15.0
-28.75°	12.3	12.6	12.9	13.0	13.0	13.1	13.4	13.8	14.1	14.5	14.8
-30°	12.1	12.5	12.8	13.0	13.0	13.0	13.2	13.6	13.9	14.2	14.5
-31.25°	12.0	12.3	12.6	12.9	13.0	13.0	13.0	13.3	13.7	14.0	14.3
-32.5°	11.8	12.1	12.4	12.7	13.0	13.0	13.0	13.1	13.4	13.7	14.0
-33.75°	11.6	11.9	12.2	12.5	12.8	13.0	13.0	13.0	13.2	13.5	13.8
-35°	11.4	11.7	12.0	12.3	12.6	12.9	13.0	13.0	13.0	13.2	13.5
-36.25°	11.2	11.5	11.8	12.1	12.4	12.7	12.9	13.0	13.0	13.0	13.2
-37.5°	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.0	13.0	13.0
-38.75°	10.7	11.0	11.3	11.6	11.9	12.2	12.5	12.7	13.0	13.0	13.0
-40°	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.5	12.7	13.0	13.0
-41.25°	10.3	10.6	10.9	11.2	11.4	11.7	12.0	12.3	12.5	12.7	12.9
-42.5°	10.1	10.4	10.6	10.9	11.2	11.5	11.7	12.0	12.2	12.5	12.7
-43.75°	9.9	10.1	10.4	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
-45°	9.7	9.9	10.2	10.4	10.7	10.9	11.2	11.4	11.6	11.9	12.1
-46.25°	9.5	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8
-47.5°	9.2	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.3	11.5
-48.75°	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.7	11.0	11.2
-50°	8.7	9.0	9.2	9.4	9.7	9.9	10.0	10.2	10.4	10.6	10.8
-51.25°	8.5	8.7	8.9	9.2	9.4	9.6	9.8	10.0	10.2	10.3	10.5
-52.5°	8.2	8.4	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.2
-53.75°	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	9.9
-55°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.4	9.6
-56.25°	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	8.9	9.1	9.3
-57.5°	7.2	7.4	7.6	7.7	7.9	8.1	8.3	8.4	8.6	8.8	8.9
-58.75°	6.9	7.1	7.3	7.4	7.6	7.8	8.0	8.1	8.3	8.4	8.6
-60°	6.7	6.8	7.0	7.2	7.3	7.5	7.6	7.8	8.0	8.1	8.3
-61.25°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.5	7.6	7.8	7.9
-62.5°	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6
-63.75°	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8	7.0	7.1	7.2
-65°	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.7	6.8	6.9
-66.25°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.3	6.4	6.5	6.6
-67.5°	5.2	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
-68.75°	5.2	5.2	5.2	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9
-70°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.5	5.6
-71.25°	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-72.5°	4.5	4.7	4.9	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-73.75°	3.9	4.1	4.3	4.5	4.6	4.8	5.0	5.1	5.2	5.2	5.2
-75°	3.4	3.5	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.8	4.9
-76.25°	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1	4.2
-77.5°	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2
-80°	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.8
-81.25°	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4
-82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1
-83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
-85°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.4	1.4
-86.25°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.1	1.1
-87.5°	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
82.5°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
81.25°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
78.75°	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.6	3.6	3.7	3.8
77.5°	3.6	3.7	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.5	4.5
76.25°	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.2
75°	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6
71.25°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.0
70°	5.7	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4
68.75°	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.6	6.7	6.8
67.5°	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.2
66.25°	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.6
65°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
63.75°	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
62.5°	7.7	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
61.25°	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	9.0	9.1	9.2
60°	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6
58.75°	8.8	8.9	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0
57.5°	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3
56.25°	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7
55°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.7	10.9	11.0	11.1
53.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5
52.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
51.25°	10.7	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.2	12.3
50°	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.3	12.4	12.5	12.7
48.75°	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.6	12.7	12.9	13.0
47.5°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.0	13.0
46.25°	12.0	12.2	12.4	12.6	12.8	12.9	13.0	13.0	13.0	13.0	13.0
45°	12.3	12.5	12.7	12.9	13.0	13.0	13.0	13.0	13.0	13.1	13.3
43.75°	12.6	12.8	13.0	13.0	13.0	13.0	13.0	13.1	13.3	13.5	13.7
42.5°	12.9	13.0	13.0	13.0	13.0	13.1	13.3	13.5	13.7	13.9	14.1
41.25°	13.0	13.0	13.0	13.0	13.2	13.4	13.7	13.9	14.1	14.3	14.4
40°	13.0	13.0	13.1	13.3	13.6	13.8	14.0	14.2	14.4	14.6	14.8
38.75°	13.0	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.2
37.5°	13.2	13.5	13.7	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5
36.25°	13.5	13.8	14.0	14.3	14.5	14.8	15.0	15.2	15.4	15.7	16.1
35°	13.8	14.1	14.3	14.6	14.9	15.1	15.3	15.5	15.9	16.4	16.8



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	14.1	14.3	14.6	14.9	15.1	15.4	15.6	16.1	16.6	17.1	17.6
32.5°	14.3	14.6	14.9	15.2	15.4	15.7	16.3	16.8	17.3	18.0	18.6
31.25°	14.6	14.9	15.2	15.4	15.8	16.4	16.9	17.5	18.2	19.0	19.7
30°	14.9	15.1	15.4	15.8	16.4	17.0	17.6	18.4	19.2	19.9	21.3
28.75°	15.1	15.4	15.7	16.4	17.0	17.6	18.5	19.3	20.2	21.8	23.3
27.5°	15.3	15.6	16.3	16.9	17.6	18.5	19.4	20.4	22.1	23.7	25.3
26.25°	15.5	16.1	16.8	17.5	18.4	19.3	20.4	22.2	23.9	25.8	28.2
25°	15.9	16.6	17.3	18.2	19.2	20.2	22.1	23.9	25.9	28.5	31.0
23.75°	16.4	17.1	18.0	19.0	19.9	21.8	23.7	25.8	28.5	31.2	34.5
22.5°	16.8	17.6	18.6	19.7	21.3	23.3	25.3	28.2	31.0	34.5	39.9
21.25°	17.2	18.2	19.3	20.7	22.7	24.8	27.6	30.5	33.9	39.5	45.1
20°	17.7	18.8	19.9	22.0	24.1	26.7	29.8	32.8	38.6	44.4	51.2
18.75°	18.3	19.4	21.0	23.2	25.5	28.7	31.9	36.9	43.1	49.5	59.6
17.5°	18.8	20.0	22.2	24.4	27.3	30.6	34.7	41.1	47.4	57.0	74.6
16.25°	19.3	21.0	23.3	25.7	29.1	32.4	38.5	45.1	53.5	68.9	98.4
15°	19.8	21.9	24.3	27.3	30.7	35.3	42.1	48.9	61.0	84.6	126.8
13.75°	20.5	22.8	25.2	28.8	32.3	38.5	45.5	54.8	72.7	108.6	158.6
12.5°	21.3	23.7	26.5	30.1	34.4	41.5	48.6	61.4	88.0	134.5	184.8
11.25°	22.0	24.4	27.7	31.4	37.0	44.3	53.4	71.0	107.7	160.7	207.5
10°	22.7	25.1	28.8	32.5	39.4	46.7	57.8	80.4	127.7	181.6	222.8
8.75°	23.2	26.0	29.8	34.0	41.5	49.2	64.0	95.8	148.1	199.4	236.3
7.5°	23.8	26.8	30.6	35.8	43.4	52.5	70.5	109.2	166.0	213.2	248.2
6.25°	24.2	27.5	31.3	37.3	45.0	55.3	76.1	121.4	179.0	222.9	258.4
5°	24.6	28.1	31.9	38.6	46.3	57.6	82.3	133.5	189.5	230.9	266.9
3.75°	24.8	28.5	32.4	39.5	47.3	59.6	89.4	143.0	197.8	237.2	273.6
2.5°	25.0	28.8	32.7	40.2	48.0	62.1	94.5	149.8	203.7	241.8	278.4
1.25°	25.2	29.0	32.9	40.7	48.5	63.6	97.5	153.9	207.3	244.5	281.3
0°	25.2	29.1	33.0	40.8	48.6	64.1	98.6	155.2	208.5	245.4	282.3
-1.25°	25.2	29.0	32.9	40.7	48.5	63.6	97.5	153.9	207.3	244.5	281.3
-2.5°	25.0	28.8	32.7	40.2	48.0	62.1	94.5	149.8	203.7	241.8	278.4
-3.75°	24.8	28.5	32.4	39.5	47.3	59.6	89.4	143.0	197.8	237.2	273.6
-5°	24.6	28.1	31.9	38.6	46.3	57.6	82.3	133.5	189.5	230.9	266.9
-6.25°	24.2	27.5	31.3	37.3	45.0	55.3	76.1	121.4	179.0	222.9	258.4
-7.5°	23.8	26.8	30.6	35.8	43.4	52.5	70.5	109.2	166.0	213.2	248.2
-8.75°	23.2	26.0	29.8	34.0	41.5	49.2	64.0	95.8	148.1	199.4	236.3
-10°	22.7	25.1	28.8	32.5	39.4	46.7	57.8	80.4	127.7	181.6	222.8
-11.25°	22.0	24.4	27.7	31.4	37.0	44.3	53.4	71.0	107.7	160.7	207.5
-12.5°	21.3	23.7	26.5	30.1	34.4	41.5	48.6	61.4	88.0	134.5	184.8
-13.75°	20.5	22.8	25.2	28.8	32.3	38.5	45.5	54.8	72.7	108.6	158.6
-15°	19.8	21.9	24.3	27.3	30.7	35.3	42.1	48.9	61.0	84.6	126.8
-16.25°	19.3	21.0	23.3	25.7	29.1	32.4	38.5	45.1	53.5	68.9	98.4
-17.5°	18.8	20.0	22.2	24.4	27.3	30.6	34.7	41.1	47.4	57.0	74.6
-18.75°	18.3	19.4	21.0	23.2	25.5	28.7	31.9	36.9	43.1	49.5	59.6
-20°	17.7	18.8	19.9	22.0	24.1	26.7	29.8	32.8	38.6	44.4	51.2
-21.25°	17.2	18.2	19.3	20.7	22.7	24.8	27.6	30.5	33.9	39.5	45.1



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	16.8	17.6	18.6	19.7	21.3	23.3	25.3	28.2	31.0	34.5	39.9
-23.75°	16.4	17.1	18.0	19.0	19.9	21.8	23.7	25.8	28.5	31.2	34.5
-25°	15.9	16.6	17.3	18.2	19.2	20.2	22.1	23.9	25.9	28.5	31.0
-26.25°	15.5	16.1	16.8	17.5	18.4	19.3	20.4	22.2	23.9	25.8	28.2
-27.5°	15.3	15.6	16.3	16.9	17.6	18.5	19.4	20.4	22.1	23.7	25.3
-28.75°	15.1	15.4	15.7	16.4	17.0	17.6	18.5	19.3	20.2	21.8	23.3
-30°	14.9	15.1	15.4	15.8	16.4	17.0	17.6	18.4	19.2	19.9	21.3
-31.25°	14.6	14.9	15.2	15.4	15.8	16.4	16.9	17.5	18.2	19.0	19.7
-32.5°	14.3	14.6	14.9	15.2	15.4	15.7	16.3	16.8	17.3	18.0	18.6
-33.75°	14.1	14.3	14.6	14.9	15.1	15.4	15.6	16.1	16.6	17.1	17.6
-35°	13.8	14.1	14.3	14.6	14.9	15.1	15.3	15.5	15.9	16.4	16.8
-36.25°	13.5	13.8	14.0	14.3	14.5	14.8	15.0	15.2	15.4	15.7	16.1
-37.5°	13.2	13.5	13.7	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5
-38.75°	13.0	13.2	13.4	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.2
-40°	13.0	13.0	13.1	13.3	13.6	13.8	14.0	14.2	14.4	14.6	14.8
-41.25°	13.0	13.0	13.0	13.0	13.2	13.4	13.7	13.9	14.1	14.3	14.4
-42.5°	12.9	13.0	13.0	13.0	13.0	13.1	13.3	13.5	13.7	13.9	14.1
-43.75°	12.6	12.8	13.0	13.0	13.0	13.0	13.0	13.1	13.3	13.5	13.7
-45°	12.3	12.5	12.7	12.9	13.0	13.0	13.0	13.0	13.0	13.1	13.3
-46.25°	12.0	12.2	12.4	12.6	12.8	12.9	13.0	13.0	13.0	13.0	13.0
-47.5°	11.7	11.9	12.1	12.3	12.5	12.6	12.8	12.9	13.0	13.0	13.0
-48.75°	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.6	12.7	12.9	13.0
-50°	11.0	11.2	11.4	11.6	11.8	11.9	12.1	12.3	12.4	12.5	12.7
-51.25°	10.7	10.9	11.1	11.2	11.4	11.6	11.7	11.9	12.0	12.2	12.3
-52.5°	10.4	10.5	10.7	10.9	11.1	11.2	11.4	11.5	11.7	11.8	11.9
-53.75°	10.1	10.2	10.4	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.5
-55°	9.8	9.9	10.1	10.2	10.3	10.5	10.6	10.7	10.9	11.0	11.1
-56.25°	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.4	10.5	10.6	10.7
-57.5°	9.1	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3
-58.75°	8.8	8.9	9.0	9.2	9.3	9.4	9.6	9.7	9.8	9.9	10.0
-60°	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.3	9.4	9.5	9.6
-61.25°	8.1	8.2	8.3	8.4	8.6	8.7	8.8	8.9	9.0	9.1	9.2
-62.5°	7.7	7.8	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-63.75°	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-65°	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-66.25°	6.7	6.8	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.6
-67.5°	6.3	6.4	6.5	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.2
-68.75°	6.0	6.1	6.2	6.3	6.4	6.4	6.5	6.6	6.6	6.7	6.8
-70°	5.7	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.3	6.4
-71.25°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.0
-72.5°	5.2	5.2	5.2	5.2	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-73.75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	5.0	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	4.3	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.2	5.2
-77.5°	3.6	3.7	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.5	4.5



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.2	3.3	3.3	3.4	3.4	3.4	3.5	3.6	3.6	3.7	3.8
-80°	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2
-81.25°	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8
-82.5°	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.4	2.4
-83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0	2.0
-85°	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6
-86.25°	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
83.75°	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
81.25°	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
80°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
78.75°	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3
77.5°	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1
76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
72.5°	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0
71.25°	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4
70°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
68.75°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3
67.5°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7
66.25°	7.6	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.1
65°	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
63.75°	8.5	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0
62.5°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5
61.25°	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.8	9.9
60°	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.2	10.3
58.75°	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7
57.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.1
56.25°	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5	11.6
55°	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0
53.75°	11.6	11.8	11.9	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4
52.5°	12.0	12.2	12.3	12.4	12.4	12.5	12.6	12.7	12.7	12.8	12.8
51.25°	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.0	13.0	13.0	13.0
50°	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
48.75°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.2	13.2
47.5°	13.0	13.0	13.0	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7
46.25°	13.0	13.2	13.3	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.1
45°	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6
43.75°	13.8	14.0	14.1	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0
42.5°	14.2	14.4	14.5	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
41.25°	14.6	14.8	14.9	15.1	15.2	15.3	15.4	15.5	15.6	15.8	16.0
40°	15.0	15.1	15.3	15.4	15.6	15.8	16.0	16.3	16.5	16.7	16.8
38.75°	15.3	15.5	15.7	16.0	16.3	16.6	16.9	17.1	17.3	17.6	17.8
37.5°	15.7	16.1	16.5	16.8	17.1	17.4	17.8	18.2	18.5	18.8	19.1
36.25°	16.5	16.9	17.2	17.7	18.2	18.6	19.0	19.4	19.8	20.2	20.7
35°	17.2	17.7	18.3	18.8	19.3	19.8	20.5	21.3	22.0	22.7	23.2



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	18.2	18.8	19.4	20.0	21.0	21.9	22.8	23.7	24.4	25.1	26.0
32.5°	19.3	19.9	21.0	22.2	23.3	24.3	25.2	26.5	27.7	28.8	29.8
31.25°	20.7	22.0	23.2	24.4	25.7	27.3	28.8	30.1	31.4	32.5	34.0
30°	22.7	24.1	25.5	27.3	29.1	30.7	32.3	34.4	37.0	39.4	41.5
28.75°	24.8	26.7	28.7	30.6	32.4	35.3	38.5	41.5	44.3	46.7	49.2
27.5°	27.6	29.8	31.9	34.7	38.5	42.1	45.5	48.6	53.4	57.8	64.0
26.25°	30.5	32.8	36.9	41.1	45.1	48.9	54.8	61.4	71.0	80.4	95.8
25°	33.9	38.6	43.1	47.4	53.5	61.0	72.7	88.0	107.7	127.7	148.1
23.75°	39.5	44.4	49.5	57.0	68.9	84.6	108.6	134.5	160.7	181.6	199.4
22.5°	45.1	51.2	59.6	74.6	98.4	126.8	158.6	184.8	207.5	222.8	236.3
21.25°	51.8	61.9	78.0	107.6	141.8	175.4	202.9	223.1	240.3	256.1	270.4
20°	61.9	79.4	112.3	150.9	185.7	214.0	234.8	254.3	272.5	292.1	313.7
18.75°	78.0	112.3	154.0	190.9	219.8	242.7	264.5	286.1	313.6	338.9	361.8
17.5°	107.6	150.9	190.9	221.7	246.7	270.6	298.3	329.3	358.3	385.0	421.9
16.25°	141.8	185.7	219.8	246.7	272.7	304.5	338.9	371.4	410.1	455.4	513.9
15°	175.4	214.0	242.7	270.6	304.5	342.1	378.1	426.7	487.6	557.5	647.7
13.75°	202.9	234.8	264.5	298.3	338.9	378.1	432.2	504.1	594.6	702.3	839.5
12.5°	223.1	254.3	286.1	329.3	371.4	426.7	504.1	607.1	739.6	900.9	1101.4
11.25°	240.3	272.5	313.6	358.3	410.1	487.6	594.6	739.6	927.9	1158.0	1424.3
10°	256.1	292.1	338.9	385.0	455.4	557.5	702.3	900.9	1158.0	1461.9	1780.4
8.75°	270.4	313.7	361.8	421.9	513.9	647.7	839.5	1101.4	1424.3	1780.4	2128.4
7.5°	283.3	332.9	382.2	456.7	572.7	744.5	990.4	1313.3	1690.6	2079.7	2445.4
6.25°	298.9	349.5	406.7	499.5	638.6	845.4	1139.1	1515.5	1936.5	2345.6	2719.2
5°	311.8	363.3	430.1	535.2	695.0	945.5	1290.5	1708.0	2148.4	2569.6	2942.9
3.75°	322.0	374.1	448.7	568.5	757.6	1038.2	1415.8	1863.0	2317.8	2741.0	3115.1
2.5°	329.4	382.0	464.7	598.0	803.1	1105.7	1508.6	1977.3	2439.7	2864.0	3243.1
1.25°	333.8	386.7	476.3	616.0	830.7	1146.7	1571.7	2047.3	2514.5	2939.9	3319.9
0°	335.3	388.3	480.1	622.0	840.0	1160.5	1592.9	2070.9	2539.7	2965.6	3345.4
-1.25°	333.8	386.7	476.3	616.0	830.7	1146.7	1571.7	2047.3	2514.5	2939.9	3319.9
-2.5°	329.4	382.0	464.7	598.0	803.1	1105.7	1508.6	1977.3	2439.7	2864.0	3243.1
-3.75°	322.0	374.1	448.7	568.5	757.6	1038.2	1415.8	1863.0	2317.8	2741.0	3115.1
-5°	311.8	363.3	430.1	535.2	695.0	945.5	1290.5	1708.0	2148.4	2569.6	2942.9
-6.25°	298.9	349.5	406.7	499.5	638.6	845.4	1139.1	1515.5	1936.5	2345.6	2719.2
-7.5°	283.3	332.9	382.2	456.7	572.7	744.5	990.4	1313.3	1690.6	2079.7	2445.4
-8.75°	270.4	313.7	361.8	421.9	513.9	647.7	839.5	1101.4	1424.3	1780.4	2128.4
-10°	256.1	292.1	338.9	385.0	455.4	557.5	702.3	900.9	1158.0	1461.9	1780.4
-11.25°	240.3	272.5	313.6	358.3	410.1	487.6	594.6	739.6	927.9	1158.0	1424.3
-12.5°	223.1	254.3	286.1	329.3	371.4	426.7	504.1	607.1	739.6	900.9	1101.4
-13.75°	202.9	234.8	264.5	298.3	338.9	378.1	432.2	504.1	594.6	702.3	839.5
-15°	175.4	214.0	242.7	270.6	304.5	342.1	378.1	426.7	487.6	557.5	647.7
-16.25°	141.8	185.7	219.8	246.7	272.7	304.5	338.9	371.4	410.1	455.4	513.9
-17.5°	107.6	150.9	190.9	221.7	246.7	270.6	298.3	329.3	358.3	385.0	421.9
-18.75°	78.0	112.3	154.0	190.9	219.8	242.7	264.5	286.1	313.6	338.9	361.8
-20°	61.9	79.4	112.3	150.9	185.7	214.0	234.8	254.3	272.5	292.1	313.7
-21.25°	51.8	61.9	78.0	107.6	141.8	175.4	202.9	223.1	240.3	256.1	270.4



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	45.1	51.2	59.6	74.6	98.4	126.8	158.6	184.8	207.5	222.8	236.3
-23.75°	39.5	44.4	49.5	57.0	68.9	84.6	108.6	134.5	160.7	181.6	199.4
-25°	33.9	38.6	43.1	47.4	53.5	61.0	72.7	88.0	107.7	127.7	148.1
-26.25°	30.5	32.8	36.9	41.1	45.1	48.9	54.8	61.4	71.0	80.4	95.8
-27.5°	27.6	29.8	31.9	34.7	38.5	42.1	45.5	48.6	53.4	57.8	64.0
-28.75°	24.8	26.7	28.7	30.6	32.4	35.3	38.5	41.5	44.3	46.7	49.2
-30°	22.7	24.1	25.5	27.3	29.1	30.7	32.3	34.4	37.0	39.4	41.5
-31.25°	20.7	22.0	23.2	24.4	25.7	27.3	28.8	30.1	31.4	32.5	34.0
-32.5°	19.3	19.9	21.0	22.2	23.3	24.3	25.2	26.5	27.7	28.8	29.8
-33.75°	18.2	18.8	19.4	20.0	21.0	21.9	22.8	23.7	24.4	25.1	26.0
-35°	17.2	17.7	18.3	18.8	19.3	19.8	20.5	21.3	22.0	22.7	23.2
-36.25°	16.5	16.9	17.2	17.7	18.2	18.6	19.0	19.4	19.8	20.2	20.7
-37.5°	15.7	16.1	16.5	16.8	17.1	17.4	17.8	18.2	18.5	18.8	19.1
-38.75°	15.3	15.5	15.7	16.0	16.3	16.6	16.9	17.1	17.3	17.6	17.8
-40°	15.0	15.1	15.3	15.4	15.6	15.8	16.0	16.3	16.5	16.7	16.8
-41.25°	14.6	14.8	14.9	15.1	15.2	15.3	15.4	15.5	15.6	15.8	16.0
-42.5°	14.2	14.4	14.5	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4
-43.75°	13.8	14.0	14.1	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0
-45°	13.4	13.6	13.7	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6
-46.25°	13.0	13.2	13.3	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.1
-47.5°	13.0	13.0	13.0	13.0	13.2	13.3	13.4	13.5	13.5	13.6	13.7
-48.75°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.2	13.2
-50°	12.8	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-51.25°	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.0	13.0	13.0	13.0
-52.5°	12.0	12.2	12.3	12.4	12.4	12.5	12.6	12.7	12.7	12.8	12.8
-53.75°	11.6	11.8	11.9	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4
-55°	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9	12.0	12.0
-56.25°	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.4	11.5	11.5	11.6
-57.5°	10.4	10.5	10.6	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.1
-58.75°	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7	10.7
-60°	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.2	10.3
-61.25°	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.8	9.9
-62.5°	8.9	9.0	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4	9.5
-63.75°	8.5	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0
-65°	8.1	8.1	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
-66.25°	7.6	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.1	8.1
-67.5°	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7
-68.75°	6.8	6.9	6.9	7.0	7.0	7.1	7.1	7.2	7.2	7.2	7.3
-70°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
-71.25°	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4
-72.5°	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0
-73.75°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
-75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-77.5°	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.3
-80°	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
-81.25°	2.8	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
-82.5°	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6
-83.75°	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-87.5°	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
78.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
77.5°	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
72.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
71.25°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
70°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
68.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
67.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
66.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
65°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
63.75°	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
62.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
61.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
60°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
58.75°	10.7	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.8
57.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
56.25°	11.6	11.7	11.7	11.7	11.7	11.7	11.8	11.7	11.7	11.7	11.7
55°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
53.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
52.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
51.25°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
50°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
48.75°	13.3	13.3	13.4	13.4	13.4	13.4	13.5	13.4	13.4	13.4	13.4
47.5°	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8
46.25°	14.2	14.2	14.3	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.3
45°	14.6	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.7
43.75°	15.0	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.1
42.5°	15.4	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.5
41.25°	16.1	16.2	16.3	16.4	16.5	16.5	16.5	16.5	16.5	16.4	16.3
40°	17.0	17.1	17.2	17.3	17.4	17.4	17.4	17.4	17.4	17.3	17.2
38.75°	18.1	18.3	18.4	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.4
37.5°	19.3	19.5	19.7	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.7
36.25°	21.2	21.6	22.0	22.3	22.4	22.6	22.6	22.6	22.4	22.3	22.0
35°	23.8	24.2	24.6	24.8	25.0	25.2	25.2	25.2	25.0	24.8	24.6

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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	26.8	27.5	28.1	28.5	28.8	29.0	29.1	29.0	28.8	28.5	28.1
32.5°	30.6	31.3	31.9	32.4	32.7	32.9	33.0	32.9	32.7	32.4	31.9
31.25°	35.8	37.3	38.6	39.5	40.2	40.7	40.8	40.7	40.2	39.5	38.6
30°	43.4	45.0	46.3	47.3	48.0	48.5	48.6	48.5	48.0	47.3	46.3
28.75°	52.5	55.3	57.6	59.6	62.1	63.6	64.1	63.6	62.1	59.6	57.6
27.5°	70.5	76.1	82.3	89.4	94.5	97.5	98.6	97.5	94.5	89.4	82.3
26.25°	109.2	121.4	133.5	143.0	149.8	153.9	155.2	153.9	149.8	143.0	133.5
25°	166.0	179.0	189.5	197.8	203.7	207.3	208.5	207.3	203.7	197.8	189.5
23.75°	213.2	222.9	230.9	237.2	241.8	244.5	245.4	244.5	241.8	237.2	230.9
22.5°	248.2	258.4	266.9	273.6	278.4	281.3	282.3	281.3	278.4	273.6	266.9
21.25°	283.3	298.9	311.8	322.0	329.4	333.8	335.3	333.8	329.4	322.0	311.8
20°	332.9	349.5	363.3	374.1	382.0	386.7	388.3	386.7	382.0	374.1	363.3
18.75°	382.2	406.7	430.1	448.7	464.7	476.3	480.1	476.3	464.7	448.7	430.1
17.5°	456.7	499.5	535.2	568.5	598.0	616.0	622.0	616.0	598.0	568.5	535.2
16.25°	572.7	638.6	695.0	757.6	803.1	830.7	840.0	830.7	803.1	757.6	695.0
15°	744.5	845.4	945.5	1038.2	1105.7	1146.7	1160.5	1146.7	1105.7	1038.2	945.5
13.75°	990.4	1139.1	1290.5	1415.8	1508.6	1571.7	1592.9	1571.7	1508.6	1415.8	1290.5
12.5°	1313.3	1515.5	1708.0	1863.0	1977.3	2047.3	2070.9	2047.3	1977.3	1863.0	1708.0
11.25°	1690.6	1936.5	2148.4	2317.8	2439.7	2514.5	2539.7	2514.5	2439.7	2317.8	2148.4
10°	2079.7	2345.6	2569.6	2741.0	2864.0	2939.9	2965.6	2939.9	2864.0	2741.0	2569.6
8.75°	2445.4	2719.2	2942.9	3115.1	3243.1	3319.9	3345.4	3319.9	3243.1	3115.1	2942.9
7.5°	2768.3	3042.1	3271.3	3452.3	3587.8	3667.2	3694.4	3667.2	3587.8	3452.3	3271.3
6.25°	3042.1	3322.2	3562.9	3751.2	3890.3	3974.5	4003.6	3974.5	3890.3	3751.2	3562.9
5°	3271.3	3562.9	3808.8	4004.3	4148.4	4239.2	4271.2	4239.2	4148.4	4004.3	3808.8
3.75°	3452.3	3751.2	4004.3	4208.4	4358.7	4454.9	4482.5	4454.9	4358.7	4208.4	4004.3
2.5°	3587.8	3890.3	4148.4	4358.7	4511.8	4605.0	4634.3	4605.0	4511.8	4358.7	4148.4
1.25°	3667.2	3974.5	4239.2	4454.9	4605.0	4699.7	4735.3	4699.7	4605.0	4454.9	4239.2
0°	3694.4	4003.6	4271.2	4482.5	4634.3	4735.3	4785.4	4735.3	4634.3	4482.5	4271.2
-1.25°	3667.2	3974.5	4239.2	4454.9	4605.0	4699.7	4735.3	4699.7	4605.0	4454.9	4239.2
-2.5°	3587.8	3890.3	4148.4	4358.7	4511.8	4605.0	4634.3	4605.0	4511.8	4358.7	4148.4
-3.75°	3452.3	3751.2	4004.3	4208.4	4358.7	4454.9	4482.5	4454.9	4358.7	4208.4	4004.3
-5°	3271.3	3562.9	3808.8	4004.3	4148.4	4239.2	4271.2	4239.2	4148.4	4004.3	3808.8
-6.25°	3042.1	3322.2	3562.9	3751.2	3890.3	3974.5	4003.6	3974.5	3890.3	3751.2	3562.9
-7.5°	2768.3	3042.1	3271.3	3452.3	3587.8	3667.2	3694.4	3667.2	3587.8	3452.3	3271.3
-8.75°	2445.4	2719.2	2942.9	3115.1	3243.1	3319.9	3345.4	3319.9	3243.1	3115.1	2942.9
-10°	2079.7	2345.6	2569.6	2741.0	2864.0	2939.9	2965.6	2939.9	2864.0	2741.0	2569.6
-11.25°	1690.6	1936.5	2148.4	2317.8	2439.7	2514.5	2539.7	2514.5	2439.7	2317.8	2148.4
-12.5°	1313.3	1515.5	1708.0	1863.0	1977.3	2047.3	2070.9	2047.3	1977.3	1863.0	1708.0
-13.75°	990.4	1139.1	1290.5	1415.8	1508.6	1571.7	1592.9	1571.7	1508.6	1415.8	1290.5
-15°	744.5	845.4	945.5	1038.2	1105.7	1146.7	1160.5	1146.7	1105.7	1038.2	945.5
-16.25°	572.7	638.6	695.0	757.6	803.1	830.7	840.0	830.7	803.1	757.6	695.0
-17.5°	456.7	499.5	535.2	568.5	598.0	616.0	622.0	616.0	598.0	568.5	535.2
-18.75°	382.2	406.7	430.1	448.7	464.7	476.3	480.1	476.3	464.7	448.7	430.1
-20°	332.9	349.5	363.3	374.1	382.0	386.7	388.3	386.7	382.0	374.1	363.3
-21.25°	283.3	298.9	311.8	322.0	329.4	333.8	335.3	333.8	329.4	322.0	311.8



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	248.2	258.4	266.9	273.6	278.4	281.3	282.3	281.3	278.4	273.6	266.9
-23.75°	213.2	222.9	230.9	237.2	241.8	244.5	245.4	244.5	241.8	237.2	230.9
-25°	166.0	179.0	189.5	197.8	203.7	207.3	208.5	207.3	203.7	197.8	189.5
-26.25°	109.2	121.4	133.5	143.0	149.8	153.9	155.2	153.9	149.8	143.0	133.5
-27.5°	70.5	76.1	82.3	89.4	94.5	97.5	98.6	97.5	94.5	89.4	82.3
-28.75°	52.5	55.3	57.6	59.6	62.1	63.6	64.1	63.6	62.1	59.6	57.6
-30°	43.4	45.0	46.3	47.3	48.0	48.5	48.6	48.5	48.0	47.3	46.3
-31.25°	35.8	37.3	38.6	39.5	40.2	40.7	40.8	40.7	40.2	39.5	38.6
-32.5°	30.6	31.3	31.9	32.4	32.7	32.9	33.0	32.9	32.7	32.4	31.9
-33.75°	26.8	27.5	28.1	28.5	28.8	29.0	29.1	29.0	28.8	28.5	28.1
-35°	23.8	24.2	24.6	24.8	25.0	25.2	25.2	25.2	25.0	24.8	24.6
-36.25°	21.2	21.6	22.0	22.3	22.4	22.6	22.6	22.6	22.4	22.3	22.0
-37.5°	19.3	19.5	19.7	19.8	19.9	20.0	20.0	20.0	19.9	19.8	19.7
-38.75°	18.1	18.3	18.4	18.5	18.6	18.7	18.7	18.7	18.6	18.5	18.4
-40°	17.0	17.1	17.2	17.3	17.4	17.4	17.4	17.4	17.4	17.3	17.2
-41.25°	16.1	16.2	16.3	16.4	16.5	16.5	16.5	16.5	16.5	16.4	16.3
-42.5°	15.4	15.5	15.5	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.5
-43.75°	15.0	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.1
-45°	14.6	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.7
-46.25°	14.2	14.2	14.3	14.3	14.3	14.3	14.4	14.3	14.3	14.3	14.3
-47.5°	13.7	13.8	13.8	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.8
-48.75°	13.3	13.3	13.4	13.4	13.4	13.4	13.5	13.4	13.4	13.4	13.4
-50°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-51.25°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-52.5°	12.9	12.9	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9
-53.75°	12.5	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-55°	12.1	12.1	12.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.1
-56.25°	11.6	11.7	11.7	11.7	11.7	11.7	11.8	11.7	11.7	11.7	11.7
-57.5°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-58.75°	10.7	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.8
-60°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-61.25°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-62.5°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-63.75°	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1
-65°	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-66.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
-67.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
-68.75°	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.3	7.3	7.3
-70°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-71.25°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-72.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
-73.75°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
-75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-77.5°	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
-80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0
-82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
82.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
80°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
78.75°	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9
77.5°	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.7
76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
72.5°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8
71.25°	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2
70°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
68.75°	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
67.5°	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.3
66.25°	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.8
65°	8.6	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
63.75°	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6
62.5°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0
61.25°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.5
60°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.8
58.75°	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2
57.5°	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6
56.25°	11.7	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0
55°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4
53.75°	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.0	11.9
52.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.4	12.3
51.25°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.7	12.6
50°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
48.75°	13.3	13.3	13.2	13.2	13.1	13.0	13.0	13.0	13.0	13.0	13.0
47.5°	13.8	13.7	13.7	13.6	13.5	13.5	13.4	13.3	13.2	13.0	13.0
46.25°	14.2	14.2	14.1	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.3
45°	14.7	14.6	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.7
43.75°	15.1	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.1
42.5°	15.5	15.4	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.5
41.25°	16.2	16.1	16.0	15.8	15.6	15.5	15.4	15.3	15.2	15.1	14.9
40°	17.1	17.0	16.8	16.7	16.5	16.3	16.0	15.8	15.6	15.4	15.3
38.75°	18.3	18.1	17.8	17.6	17.3	17.1	16.9	16.6	16.3	16.0	15.7
37.5°	19.5	19.3	19.1	18.8	18.5	18.2	17.8	17.4	17.1	16.8	16.5
36.25°	21.6	21.2	20.7	20.2	19.8	19.4	19.0	18.6	18.2	17.7	17.2
35°	24.2	23.8	23.2	22.7	22.0	21.3	20.5	19.8	19.3	18.8	18.3



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	27.5	26.8	26.0	25.1	24.4	23.7	22.8	21.9	21.0	20.0	19.4
32.5°	31.3	30.6	29.8	28.8	27.7	26.5	25.2	24.3	23.3	22.2	21.0
31.25°	37.3	35.8	34.0	32.5	31.4	30.1	28.8	27.3	25.7	24.4	23.2
30°	45.0	43.4	41.5	39.4	37.0	34.4	32.3	30.7	29.1	27.3	25.5
28.75°	55.3	52.5	49.2	46.7	44.3	41.5	38.5	35.3	32.4	30.6	28.7
27.5°	76.1	70.5	64.0	57.8	53.4	48.6	45.5	42.1	38.5	34.7	31.9
26.25°	121.4	109.2	95.8	80.4	71.0	61.4	54.8	48.9	45.1	41.1	36.9
25°	179.0	166.0	148.1	127.7	107.7	88.0	72.7	61.0	53.5	47.4	43.1
23.75°	222.9	213.2	199.4	181.6	160.7	134.5	108.6	84.6	68.9	57.0	49.5
22.5°	258.4	248.2	236.3	222.8	207.5	184.8	158.6	126.8	98.4	74.6	59.6
21.25°	298.9	283.3	270.4	256.1	240.3	223.1	202.9	175.4	141.8	107.6	78.0
20°	349.5	332.9	313.7	292.1	272.5	254.3	234.8	214.0	185.7	150.9	112.3
18.75°	406.7	382.2	361.8	338.9	313.6	286.1	264.5	242.7	219.8	190.9	154.0
17.5°	499.5	456.7	421.9	385.0	358.3	329.3	298.3	270.6	246.7	221.7	190.9
16.25°	638.6	572.7	513.9	455.4	410.1	371.4	338.9	304.5	272.7	246.7	219.8
15°	845.4	744.5	647.7	557.5	487.6	426.7	378.1	342.1	304.5	270.6	242.7
13.75°	1139.1	990.4	839.5	702.3	594.6	504.1	432.2	378.1	338.9	298.3	264.5
12.5°	1515.5	1313.3	1101.4	900.9	739.6	607.1	504.1	426.7	371.4	329.3	286.1
11.25°	1936.5	1690.6	1424.3	1158.0	927.9	739.6	594.6	487.6	410.1	358.3	313.6
10°	2345.6	2079.7	1780.4	1461.9	1158.0	900.9	702.3	557.5	455.4	385.0	338.9
8.75°	2719.2	2445.4	2128.4	1780.4	1424.3	1101.4	839.5	647.7	513.9	421.9	361.8
7.5°	3042.1	2768.3	2445.4	2079.7	1690.6	1313.3	990.4	744.5	572.7	456.7	382.2
6.25°	3322.2	3042.1	2719.2	2345.6	1936.5	1515.5	1139.1	845.4	638.6	499.5	406.7
5°	3562.9	3271.3	2942.9	2569.6	2148.4	1708.0	1290.5	945.5	695.0	535.2	430.1
3.75°	3751.2	3452.3	3115.1	2741.0	2317.8	1863.0	1415.8	1038.2	757.6	568.5	448.7
2.5°	3890.3	3587.8	3243.1	2864.0	2439.7	1977.3	1508.6	1105.7	803.1	598.0	464.7
1.25°	3974.5	3667.2	3319.9	2939.9	2514.5	2047.3	1571.7	1146.7	830.7	616.0	476.3
0°	4003.6	3694.4	3345.4	2965.6	2539.7	2070.9	1592.9	1160.5	840.0	622.0	480.1
-1.25°	3974.5	3667.2	3319.9	2939.9	2514.5	2047.3	1571.7	1146.7	830.7	616.0	476.3
-2.5°	3890.3	3587.8	3243.1	2864.0	2439.7	1977.3	1508.6	1105.7	803.1	598.0	464.7
-3.75°	3751.2	3452.3	3115.1	2741.0	2317.8	1863.0	1415.8	1038.2	757.6	568.5	448.7
-5°	3562.9	3271.3	2942.9	2569.6	2148.4	1708.0	1290.5	945.5	695.0	535.2	430.1
-6.25°	3322.2	3042.1	2719.2	2345.6	1936.5	1515.5	1139.1	845.4	638.6	499.5	406.7
-7.5°	3042.1	2768.3	2445.4	2079.7	1690.6	1313.3	990.4	744.5	572.7	456.7	382.2
-8.75°	2719.2	2445.4	2128.4	1780.4	1424.3	1101.4	839.5	647.7	513.9	421.9	361.8
-10°	2345.6	2079.7	1780.4	1461.9	1158.0	900.9	702.3	557.5	455.4	385.0	338.9
-11.25°	1936.5	1690.6	1424.3	1158.0	927.9	739.6	594.6	487.6	410.1	358.3	313.6
-12.5°	1515.5	1313.3	1101.4	900.9	739.6	607.1	504.1	426.7	371.4	329.3	286.1
-13.75°	1139.1	990.4	839.5	702.3	594.6	504.1	432.2	378.1	338.9	298.3	264.5
-15°	845.4	744.5	647.7	557.5	487.6	426.7	378.1	342.1	304.5	270.6	242.7
-16.25°	638.6	572.7	513.9	455.4	410.1	371.4	338.9	304.5	272.7	246.7	219.8
-17.5°	499.5	456.7	421.9	385.0	358.3	329.3	298.3	270.6	246.7	221.7	190.9
-18.75°	406.7	382.2	361.8	338.9	313.6	286.1	264.5	242.7	219.8	190.9	154.0
-20°	349.5	332.9	313.7	292.1	272.5	254.3	234.8	214.0	185.7	150.9	112.3
-21.25°	298.9	283.3	270.4	256.1	240.3	223.1	202.9	175.4	141.8	107.6	78.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	258.4	248.2	236.3	222.8	207.5	184.8	158.6	126.8	98.4	74.6	59.6
-23.75°	222.9	213.2	199.4	181.6	160.7	134.5	108.6	84.6	68.9	57.0	49.5
-25°	179.0	166.0	148.1	127.7	107.7	88.0	72.7	61.0	53.5	47.4	43.1
-26.25°	121.4	109.2	95.8	80.4	71.0	61.4	54.8	48.9	45.1	41.1	36.9
-27.5°	76.1	70.5	64.0	57.8	53.4	48.6	45.5	42.1	38.5	34.7	31.9
-28.75°	55.3	52.5	49.2	46.7	44.3	41.5	38.5	35.3	32.4	30.6	28.7
-30°	45.0	43.4	41.5	39.4	37.0	34.4	32.3	30.7	29.1	27.3	25.5
-31.25°	37.3	35.8	34.0	32.5	31.4	30.1	28.8	27.3	25.7	24.4	23.2
-32.5°	31.3	30.6	29.8	28.8	27.7	26.5	25.2	24.3	23.3	22.2	21.0
-33.75°	27.5	26.8	26.0	25.1	24.4	23.7	22.8	21.9	21.0	20.0	19.4
-35°	24.2	23.8	23.2	22.7	22.0	21.3	20.5	19.8	19.3	18.8	18.3
-36.25°	21.6	21.2	20.7	20.2	19.8	19.4	19.0	18.6	18.2	17.7	17.2
-37.5°	19.5	19.3	19.1	18.8	18.5	18.2	17.8	17.4	17.1	16.8	16.5
-38.75°	18.3	18.1	17.8	17.6	17.3	17.1	16.9	16.6	16.3	16.0	15.7
-40°	17.1	17.0	16.8	16.7	16.5	16.3	16.0	15.8	15.6	15.4	15.3
-41.25°	16.2	16.1	16.0	15.8	15.6	15.5	15.4	15.3	15.2	15.1	14.9
-42.5°	15.5	15.4	15.4	15.3	15.2	15.1	15.0	14.9	14.8	14.7	14.5
-43.75°	15.1	15.0	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.1
-45°	14.7	14.6	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.9	13.7
-46.25°	14.2	14.2	14.1	14.1	14.0	13.9	13.8	13.7	13.6	13.5	13.3
-47.5°	13.8	13.7	13.7	13.6	13.5	13.5	13.4	13.3	13.2	13.0	13.0
-48.75°	13.3	13.3	13.2	13.2	13.1	13.0	13.0	13.0	13.0	13.0	13.0
-50°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
-51.25°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.7	12.6
-52.5°	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5	12.4	12.4	12.3
-53.75°	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1	12.1	12.0	11.9
-55°	12.1	12.1	12.0	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4
-56.25°	11.7	11.6	11.6	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.0
-57.5°	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.9	10.8	10.7	10.6
-58.75°	10.8	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2
-60°	10.3	10.3	10.3	10.2	10.2	10.2	10.1	10.0	10.0	9.9	9.8
-61.25°	9.9	9.9	9.9	9.8	9.8	9.8	9.7	9.7	9.6	9.5	9.5
-62.5°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0
-63.75°	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6
-65°	8.6	8.6	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
-66.25°	8.2	8.2	8.1	8.1	8.1	8.0	8.0	7.9	7.9	7.8	7.8
-67.5°	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4	7.3
-68.75°	7.3	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	7.0	6.9
-70°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
-71.25°	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2
-72.5°	6.1	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8
-73.75°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
-75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-77.5°	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.8	4.7



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9
-80°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3
-81.25°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9
-82.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
-86.25°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
-87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
85°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
83.75°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
82.5°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
81.25°	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
80°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
78.75°	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.4	3.4	3.4	3.3
77.5°	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0	4.0	3.9
76.25°	5.2	5.2	5.2	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
73.75°	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
72.5°	5.7	5.7	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.2	5.2
71.25°	6.1	6.1	6.0	6.0	5.9	5.8	5.8	5.7	5.6	5.5	5.5
70°	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	5.9	5.8
68.75°	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2
67.5°	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.5
66.25°	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0	7.0	6.9
65°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2
63.75°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
62.5°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
61.25°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.4	8.3
60°	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	8.9	8.8	8.7
58.75°	10.1	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.0
57.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4
56.25°	10.9	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7
55°	11.3	11.2	11.1	11.0	10.9	10.7	10.6	10.5	10.3	10.2	10.1
53.75°	11.8	11.6	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5	10.4
52.5°	12.2	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7
51.25°	12.5	12.4	12.3	12.2	12.0	11.9	11.7	11.6	11.4	11.2	11.1
50°	12.9	12.8	12.7	12.5	12.4	12.3	12.1	11.9	11.8	11.6	11.4
48.75°	13.0	13.0	13.0	12.9	12.7	12.6	12.5	12.3	12.1	12.0	11.8
47.5°	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.6	12.5	12.3	12.1
46.25°	13.2	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.6	12.4
45°	13.6	13.4	13.3	13.1	13.0	13.0	13.0	13.0	13.0	12.9	12.7
43.75°	14.0	13.8	13.7	13.5	13.3	13.1	13.0	13.0	13.0	13.0	13.0
42.5°	14.4	14.2	14.1	13.9	13.7	13.5	13.3	13.1	13.0	13.0	13.0
41.25°	14.8	14.6	14.4	14.3	14.1	13.9	13.7	13.4	13.2	13.0	13.0
40°	15.1	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.6	13.3	13.1
38.75°	15.5	15.3	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.7	13.4
37.5°	16.1	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0	13.7
36.25°	16.9	16.5	16.1	15.7	15.4	15.2	15.0	14.8	14.5	14.3	14.0
35°	17.7	17.2	16.8	16.4	15.9	15.5	15.3	15.1	14.9	14.6	14.3



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	18.8	18.2	17.6	17.1	16.6	16.1	15.6	15.4	15.1	14.9	14.6
32.5°	19.9	19.3	18.6	18.0	17.3	16.8	16.3	15.7	15.4	15.2	14.9
31.25°	22.0	20.7	19.7	19.0	18.2	17.5	16.9	16.4	15.8	15.4	15.2
30°	24.1	22.7	21.3	19.9	19.2	18.4	17.6	17.0	16.4	15.8	15.4
28.75°	26.7	24.8	23.3	21.8	20.2	19.3	18.5	17.6	17.0	16.4	15.7
27.5°	29.8	27.6	25.3	23.7	22.1	20.4	19.4	18.5	17.6	16.9	16.3
26.25°	32.8	30.5	28.2	25.8	23.9	22.2	20.4	19.3	18.4	17.5	16.8
25°	38.6	33.9	31.0	28.5	25.9	23.9	22.1	20.2	19.2	18.2	17.3
23.75°	44.4	39.5	34.5	31.2	28.5	25.8	23.7	21.8	19.9	19.0	18.0
22.5°	51.2	45.1	39.9	34.5	31.0	28.2	25.3	23.3	21.3	19.7	18.6
21.25°	61.9	51.8	45.1	39.5	33.9	30.5	27.6	24.8	22.7	20.7	19.3
20°	79.4	61.9	51.2	44.4	38.6	32.8	29.8	26.7	24.1	22.0	19.9
18.75°	112.3	78.0	59.6	49.5	43.1	36.9	31.9	28.7	25.5	23.2	21.0
17.5°	150.9	107.6	74.6	57.0	47.4	41.1	34.7	30.6	27.3	24.4	22.2
16.25°	185.7	141.8	98.4	68.9	53.5	45.1	38.5	32.4	29.1	25.7	23.3
15°	214.0	175.4	126.8	84.6	61.0	48.9	42.1	35.3	30.7	27.3	24.3
13.75°	234.8	202.9	158.6	108.6	72.7	54.8	45.5	38.5	32.3	28.8	25.2
12.5°	254.3	223.1	184.8	134.5	88.0	61.4	48.6	41.5	34.4	30.1	26.5
11.25°	272.5	240.3	207.5	160.7	107.7	71.0	53.4	44.3	37.0	31.4	27.7
10°	292.1	256.1	222.8	181.6	127.7	80.4	57.8	46.7	39.4	32.5	28.8
8.75°	313.7	270.4	236.3	199.4	148.1	95.8	64.0	49.2	41.5	34.0	29.8
7.5°	332.9	283.3	248.2	213.2	166.0	109.2	70.5	52.5	43.4	35.8	30.6
6.25°	349.5	298.9	258.4	222.9	179.0	121.4	76.1	55.3	45.0	37.3	31.3
5°	363.3	311.8	266.9	230.9	189.5	133.5	82.3	57.6	46.3	38.6	31.9
3.75°	374.1	322.0	273.6	237.2	197.8	143.0	89.4	59.6	47.3	39.5	32.4
2.5°	382.0	329.4	278.4	241.8	203.7	149.8	94.5	62.1	48.0	40.2	32.7
1.25°	386.7	333.8	281.3	244.5	207.3	153.9	97.5	63.6	48.5	40.7	32.9
0°	388.3	335.3	282.3	245.4	208.5	155.2	98.6	64.1	48.6	40.8	33.0
-1.25°	386.7	333.8	281.3	244.5	207.3	153.9	97.5	63.6	48.5	40.7	32.9
-2.5°	382.0	329.4	278.4	241.8	203.7	149.8	94.5	62.1	48.0	40.2	32.7
-3.75°	374.1	322.0	273.6	237.2	197.8	143.0	89.4	59.6	47.3	39.5	32.4
-5°	363.3	311.8	266.9	230.9	189.5	133.5	82.3	57.6	46.3	38.6	31.9
-6.25°	349.5	298.9	258.4	222.9	179.0	121.4	76.1	55.3	45.0	37.3	31.3
-7.5°	332.9	283.3	248.2	213.2	166.0	109.2	70.5	52.5	43.4	35.8	30.6
-8.75°	313.7	270.4	236.3	199.4	148.1	95.8	64.0	49.2	41.5	34.0	29.8
-10°	292.1	256.1	222.8	181.6	127.7	80.4	57.8	46.7	39.4	32.5	28.8
-11.25°	272.5	240.3	207.5	160.7	107.7	71.0	53.4	44.3	37.0	31.4	27.7
-12.5°	254.3	223.1	184.8	134.5	88.0	61.4	48.6	41.5	34.4	30.1	26.5
-13.75°	234.8	202.9	158.6	108.6	72.7	54.8	45.5	38.5	32.3	28.8	25.2
-15°	214.0	175.4	126.8	84.6	61.0	48.9	42.1	35.3	30.7	27.3	24.3
-16.25°	185.7	141.8	98.4	68.9	53.5	45.1	38.5	32.4	29.1	25.7	23.3
-17.5°	150.9	107.6	74.6	57.0	47.4	41.1	34.7	30.6	27.3	24.4	22.2
-18.75°	112.3	78.0	59.6	49.5	43.1	36.9	31.9	28.7	25.5	23.2	21.0
-20°	79.4	61.9	51.2	44.4	38.6	32.8	29.8	26.7	24.1	22.0	19.9
-21.25°	61.9	51.8	45.1	39.5	33.9	30.5	27.6	24.8	22.7	20.7	19.3



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	51.2	45.1	39.9	34.5	31.0	28.2	25.3	23.3	21.3	19.7	18.6
-23.75°	44.4	39.5	34.5	31.2	28.5	25.8	23.7	21.8	19.9	19.0	18.0
-25°	38.6	33.9	31.0	28.5	25.9	23.9	22.1	20.2	19.2	18.2	17.3
-26.25°	32.8	30.5	28.2	25.8	23.9	22.2	20.4	19.3	18.4	17.5	16.8
-27.5°	29.8	27.6	25.3	23.7	22.1	20.4	19.4	18.5	17.6	16.9	16.3
-28.75°	26.7	24.8	23.3	21.8	20.2	19.3	18.5	17.6	17.0	16.4	15.7
-30°	24.1	22.7	21.3	19.9	19.2	18.4	17.6	17.0	16.4	15.8	15.4
-31.25°	22.0	20.7	19.7	19.0	18.2	17.5	16.9	16.4	15.8	15.4	15.2
-32.5°	19.9	19.3	18.6	18.0	17.3	16.8	16.3	15.7	15.4	15.2	14.9
-33.75°	18.8	18.2	17.6	17.1	16.6	16.1	15.6	15.4	15.1	14.9	14.6
-35°	17.7	17.2	16.8	16.4	15.9	15.5	15.3	15.1	14.9	14.6	14.3
-36.25°	16.9	16.5	16.1	15.7	15.4	15.2	15.0	14.8	14.5	14.3	14.0
-37.5°	16.1	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0	13.7
-38.75°	15.5	15.3	15.2	15.0	14.8	14.6	14.4	14.1	13.9	13.7	13.4
-40°	15.1	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.6	13.3	13.1
-41.25°	14.8	14.6	14.4	14.3	14.1	13.9	13.7	13.4	13.2	13.0	13.0
-42.5°	14.4	14.2	14.1	13.9	13.7	13.5	13.3	13.1	13.0	13.0	13.0
-43.75°	14.0	13.8	13.7	13.5	13.3	13.1	13.0	13.0	13.0	13.0	13.0
-45°	13.6	13.4	13.3	13.1	13.0	13.0	13.0	13.0	13.0	12.9	12.7
-46.25°	13.2	13.0	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.6	12.4
-47.5°	13.0	13.0	13.0	13.0	13.0	12.9	12.8	12.6	12.5	12.3	12.1
-48.75°	13.0	13.0	13.0	12.9	12.7	12.6	12.5	12.3	12.1	12.0	11.8
-50°	12.9	12.8	12.7	12.5	12.4	12.3	12.1	11.9	11.8	11.6	11.4
-51.25°	12.5	12.4	12.3	12.2	12.0	11.9	11.7	11.6	11.4	11.2	11.1
-52.5°	12.2	12.0	11.9	11.8	11.7	11.5	11.4	11.2	11.1	10.9	10.7
-53.75°	11.8	11.6	11.5	11.4	11.3	11.1	11.0	10.8	10.7	10.5	10.4
-55°	11.3	11.2	11.1	11.0	10.9	10.7	10.6	10.5	10.3	10.2	10.1
-56.25°	10.9	10.8	10.7	10.6	10.5	10.4	10.2	10.1	10.0	9.9	9.7
-57.5°	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5	9.4
-58.75°	10.1	10.1	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.0
-60°	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	8.9	8.8	8.7
-61.25°	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.4	8.3
-62.5°	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
-63.75°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6
-65°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2
-66.25°	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0	7.0	6.9
-67.5°	7.3	7.2	7.2	7.1	7.0	6.9	6.8	6.8	6.7	6.6	6.5
-68.75°	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2
-70°	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.0	5.9	5.8
-71.25°	6.1	6.1	6.0	6.0	5.9	5.8	5.8	5.7	5.6	5.5	5.5
-72.5°	5.7	5.7	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.2	5.2
-73.75°	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-76.25°	5.2	5.2	5.2	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6
-77.5°	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0	4.0	3.9



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.4	3.4	3.4	3.3
-80°	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
-81.25°	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6
-82.5°	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
-83.75°	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8
-85°	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
86.25°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9
85°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2
83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
82.5°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
81.25°	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1
80°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4
78.75°	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8	2.7
77.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0
76.25°	4.5	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.4	3.3
75°	5.2	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.0	3.9	3.7
73.75°	5.2	5.2	5.2	5.2	5.2	5.1	5.0	4.8	4.6	4.5	4.3
72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.9
71.25°	5.4	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.2	5.2	5.2
68.75°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2
67.5°	6.4	6.3	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.3
66.25°	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.6
65°	7.1	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.1	5.9
63.75°	7.5	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.5	6.3	6.2
62.5°	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.5
61.25°	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.7
60°	8.5	8.4	8.3	8.1	8.0	7.8	7.6	7.5	7.3	7.2	7.0
58.75°	8.9	8.8	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4	7.3
57.5°	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.7	7.6
56.25°	9.6	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.2	8.0	7.8
55°	9.9	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1
53.75°	10.2	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4
52.5°	10.5	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7
51.25°	10.9	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.2	8.9
50°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.4	9.2
48.75°	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.1	9.9	9.7	9.5
47.5°	11.9	11.7	11.5	11.3	11.0	10.8	10.6	10.4	10.1	9.9	9.7
46.25°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	9.9
45°	12.5	12.3	12.1	11.9	11.6	11.4	11.2	10.9	10.7	10.4	10.2
43.75°	12.8	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9	10.7	10.4
42.5°	13.0	12.9	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.9	10.6
41.25°	13.0	13.0	12.9	12.7	12.5	12.3	12.0	11.7	11.4	11.2	10.9
40°	13.0	13.0	13.0	13.0	12.7	12.5	12.3	12.0	11.7	11.4	11.1
38.75°	13.2	13.0	13.0	13.0	13.0	12.7	12.5	12.2	11.9	11.6	11.3
37.5°	13.5	13.2	13.0	13.0	13.0	13.0	12.7	12.5	12.2	11.9	11.6
36.25°	13.8	13.5	13.2	13.0	13.0	13.0	12.9	12.7	12.4	12.1	11.8
35°	14.1	13.8	13.5	13.2	13.0	13.0	13.0	12.9	12.6	12.3	12.0



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	14.3	14.1	13.8	13.5	13.2	13.0	13.0	13.0	12.8	12.5	12.2
32.5°	14.6	14.3	14.0	13.7	13.4	13.1	13.0	13.0	13.0	12.7	12.4
31.25°	14.9	14.6	14.3	14.0	13.7	13.3	13.0	13.0	13.0	12.9	12.6
30°	15.1	14.9	14.5	14.2	13.9	13.6	13.2	13.0	13.0	13.0	12.8
28.75°	15.4	15.1	14.8	14.5	14.1	13.8	13.4	13.1	13.0	13.0	12.9
27.5°	15.6	15.3	15.0	14.7	14.4	14.0	13.7	13.3	13.0	13.0	13.0
26.25°	16.1	15.5	15.2	14.9	14.6	14.2	13.9	13.5	13.1	13.0	13.0
25°	16.6	15.9	15.4	15.1	14.8	14.4	14.1	13.7	13.3	13.0	13.0
23.75°	17.1	16.4	15.7	15.3	15.0	14.6	14.3	13.9	13.5	13.1	13.0
22.5°	17.6	16.8	16.1	15.5	15.2	14.8	14.4	14.1	13.7	13.3	13.0
21.25°	18.2	17.2	16.5	15.7	15.3	15.0	14.6	14.2	13.8	13.4	13.0
20°	18.8	17.7	16.9	16.1	15.5	15.1	14.8	14.4	14.0	13.6	13.2
18.75°	19.4	18.3	17.2	16.5	15.7	15.3	14.9	14.5	14.1	13.7	13.3
17.5°	20.0	18.8	17.7	16.8	16.0	15.4	15.1	14.7	14.3	13.9	13.5
16.25°	21.0	19.3	18.2	17.1	16.3	15.6	15.2	14.8	14.4	14.0	13.6
15°	21.9	19.8	18.6	17.4	16.6	15.8	15.3	14.9	14.5	14.1	13.7
13.75°	22.8	20.5	19.0	17.8	16.9	16.0	15.4	15.0	14.6	14.2	13.8
12.5°	23.7	21.3	19.4	18.2	17.1	16.3	15.5	15.1	14.7	14.3	13.9
11.25°	24.4	22.0	19.8	18.5	17.3	16.5	15.6	15.2	14.8	14.4	14.0
10°	25.1	22.7	20.2	18.8	17.6	16.7	15.8	15.3	14.9	14.5	14.1
8.75°	26.0	23.2	20.7	19.1	17.8	16.8	16.0	15.4	15.0	14.6	14.1
7.5°	26.8	23.8	21.2	19.3	18.1	17.0	16.1	15.4	15.0	14.6	14.2
6.25°	27.5	24.2	21.6	19.5	18.3	17.1	16.2	15.5	15.1	14.7	14.2
5°	28.1	24.6	22.0	19.7	18.4	17.2	16.3	15.5	15.1	14.7	14.3
3.75°	28.5	24.8	22.3	19.8	18.5	17.3	16.4	15.6	15.2	14.8	14.3
2.5°	28.8	25.0	22.4	19.9	18.6	17.4	16.5	15.6	15.2	14.8	14.3
1.25°	29.0	25.2	22.6	20.0	18.7	17.4	16.5	15.6	15.2	14.8	14.3
0°	29.1	25.2	22.6	20.0	18.7	17.4	16.5	15.6	15.2	14.8	14.4
-1.25°	29.0	25.2	22.6	20.0	18.7	17.4	16.5	15.6	15.2	14.8	14.3
-2.5°	28.8	25.0	22.4	19.9	18.6	17.4	16.5	15.6	15.2	14.8	14.3
-3.75°	28.5	24.8	22.3	19.8	18.5	17.3	16.4	15.6	15.2	14.8	14.3
-5°	28.1	24.6	22.0	19.7	18.4	17.2	16.3	15.5	15.1	14.7	14.3
-6.25°	27.5	24.2	21.6	19.5	18.3	17.1	16.2	15.5	15.1	14.7	14.2
-7.5°	26.8	23.8	21.2	19.3	18.1	17.0	16.1	15.4	15.0	14.6	14.2
-8.75°	26.0	23.2	20.7	19.1	17.8	16.8	16.0	15.4	15.0	14.6	14.1
-10°	25.1	22.7	20.2	18.8	17.6	16.7	15.8	15.3	14.9	14.5	14.1
-11.25°	24.4	22.0	19.8	18.5	17.3	16.5	15.6	15.2	14.8	14.4	14.0
-12.5°	23.7	21.3	19.4	18.2	17.1	16.3	15.5	15.1	14.7	14.3	13.9
-13.75°	22.8	20.5	19.0	17.8	16.9	16.0	15.4	15.0	14.6	14.2	13.8
-15°	21.9	19.8	18.6	17.4	16.6	15.8	15.3	14.9	14.5	14.1	13.7
-16.25°	21.0	19.3	18.2	17.1	16.3	15.6	15.2	14.8	14.4	14.0	13.6
-17.5°	20.0	18.8	17.7	16.8	16.0	15.4	15.1	14.7	14.3	13.9	13.5
-18.75°	19.4	18.3	17.2	16.5	15.7	15.3	14.9	14.5	14.1	13.7	13.3
-20°	18.8	17.7	16.9	16.1	15.5	15.1	14.8	14.4	14.0	13.6	13.2
-21.25°	18.2	17.2	16.5	15.7	15.3	15.0	14.6	14.2	13.8	13.4	13.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	17.6	16.8	16.1	15.5	15.2	14.8	14.4	14.1	13.7	13.3	13.0
-23.75°	17.1	16.4	15.7	15.3	15.0	14.6	14.3	13.9	13.5	13.1	13.0
-25°	16.6	15.9	15.4	15.1	14.8	14.4	14.1	13.7	13.3	13.0	13.0
-26.25°	16.1	15.5	15.2	14.9	14.6	14.2	13.9	13.5	13.1	13.0	13.0
-27.5°	15.6	15.3	15.0	14.7	14.4	14.0	13.7	13.3	13.0	13.0	13.0
-28.75°	15.4	15.1	14.8	14.5	14.1	13.8	13.4	13.1	13.0	13.0	12.9
-30°	15.1	14.9	14.5	14.2	13.9	13.6	13.2	13.0	13.0	13.0	12.8
-31.25°	14.9	14.6	14.3	14.0	13.7	13.3	13.0	13.0	13.0	12.9	12.6
-32.5°	14.6	14.3	14.0	13.7	13.4	13.1	13.0	13.0	13.0	12.7	12.4
-33.75°	14.3	14.1	13.8	13.5	13.2	13.0	13.0	13.0	12.8	12.5	12.2
-35°	14.1	13.8	13.5	13.2	13.0	13.0	13.0	12.9	12.6	12.3	12.0
-36.25°	13.8	13.5	13.2	13.0	13.0	13.0	12.9	12.7	12.4	12.1	11.8
-37.5°	13.5	13.2	13.0	13.0	13.0	13.0	12.7	12.5	12.2	11.9	11.6
-38.75°	13.2	13.0	13.0	13.0	13.0	12.7	12.5	12.2	11.9	11.6	11.3
-40°	13.0	13.0	13.0	13.0	12.7	12.5	12.3	12.0	11.7	11.4	11.1
-41.25°	13.0	13.0	12.9	12.7	12.5	12.3	12.0	11.7	11.4	11.2	10.9
-42.5°	13.0	12.9	12.7	12.5	12.2	12.0	11.7	11.5	11.2	10.9	10.6
-43.75°	12.8	12.6	12.4	12.2	11.9	11.7	11.4	11.2	10.9	10.7	10.4
-45°	12.5	12.3	12.1	11.9	11.6	11.4	11.2	10.9	10.7	10.4	10.2
-46.25°	12.2	12.0	11.8	11.6	11.3	11.1	10.9	10.6	10.4	10.2	9.9
-47.5°	11.9	11.7	11.5	11.3	11.0	10.8	10.6	10.4	10.1	9.9	9.7
-48.75°	11.6	11.4	11.2	11.0	10.7	10.5	10.3	10.1	9.9	9.7	9.5
-50°	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.9	9.7	9.4	9.2
-51.25°	10.9	10.7	10.5	10.3	10.2	10.0	9.8	9.6	9.4	9.2	8.9
-52.5°	10.5	10.4	10.2	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7
-53.75°	10.2	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.8	8.6	8.4
-55°	9.9	9.8	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.1
-56.25°	9.6	9.4	9.3	9.1	8.9	8.8	8.6	8.4	8.2	8.0	7.8
-57.5°	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.1	7.9	7.7	7.6
-58.75°	8.9	8.8	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.4	7.3
-60°	8.5	8.4	8.3	8.1	8.0	7.8	7.6	7.5	7.3	7.2	7.0
-61.25°	8.2	8.1	7.9	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.7
-62.5°	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7	6.6	6.5
-63.75°	7.5	7.3	7.2	7.1	7.0	6.8	6.7	6.6	6.5	6.3	6.2
-65°	7.1	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.2	6.1	5.9
-66.25°	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.8	5.6
-67.5°	6.4	6.3	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.3
-68.75°	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.2
-70°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.2	5.2	5.2	5.2
-71.25°	5.4	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-72.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.9
-73.75°	5.2	5.2	5.2	5.2	5.2	5.1	5.0	4.8	4.6	4.5	4.3
-75°	5.2	5.0	4.9	4.8	4.6	4.5	4.3	4.2	4.0	3.9	3.7
-76.25°	4.5	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.4	3.3
-77.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8	2.7
-80°	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.4
-81.25°	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1	2.1
-82.5°	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8	1.8
-83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
-85°	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	1.2
-86.25°	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	0.9	0.9
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
-88.75°	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
85°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9
83.75°	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1	1.1
82.5°	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
81.25°	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5
80°	2.3	2.3	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
78.75°	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0	1.9
77.5°	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
76.25°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4
75°	3.5	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
73.75°	4.1	3.9	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.9	2.8
72.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.2	3.1	3.0
71.25°	5.2	5.0	4.8	4.6	4.4	4.2	3.9	3.7	3.5	3.4	3.2
70°	5.2	5.2	5.2	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4
68.75°	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.6	4.3	4.1	3.8
67.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.8	4.5	4.2
66.25°	5.5	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.9	4.6
65°	5.8	5.6	5.5	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.0
63.75°	6.1	5.9	5.7	5.6	5.4	5.3	5.2	5.2	5.2	5.2	5.2
62.5°	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.2	5.2	5.2	5.2
61.25°	6.6	6.4	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.2	5.2
60°	6.8	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2	5.2
58.75°	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
57.5°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.8	5.6	5.4
56.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.1	5.8	5.6
55°	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	6.0	5.8
53.75°	8.2	8.0	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	6.0
52.5°	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.4	6.2
51.25°	8.7	8.5	8.2	8.0	7.8	7.5	7.3	7.0	6.8	6.6	6.3
50°	9.0	8.7	8.5	8.2	8.0	7.7	7.5	7.2	7.0	6.7	6.5
48.75°	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.2	6.9	6.7
47.5°	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.8
46.25°	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.8	7.6	7.3	7.0
45°	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.4	7.2
43.75°	10.1	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3
42.5°	10.4	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
41.25°	10.6	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.6
40°	10.8	10.5	10.2	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.8
38.75°	11.0	10.7	10.4	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
37.5°	11.3	11.0	10.6	10.3	10.0	9.8	9.4	9.1	8.8	8.4	8.1
36.25°	11.5	11.2	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3
35°	11.7	11.4	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.8	8.4



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	11.9	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.3	8.9	8.5
32.5°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.0	8.7
31.25°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.9	9.5	9.2	8.8
30°	12.5	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.7	9.3	8.9
28.75°	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.8	9.4	9.1
27.5°	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.2	9.9	9.6	9.2
26.25°	12.9	12.6	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3
25°	13.0	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.8	9.4
23.75°	13.0	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.9	9.5
22.5°	13.0	13.0	12.7	12.3	11.9	11.5	11.1	10.7	10.3	10.0	9.6
21.25°	13.0	13.0	12.8	12.4	12.0	11.6	11.2	10.8	10.4	10.1	9.7
20°	13.0	13.0	12.9	12.5	12.2	11.8	11.3	10.9	10.5	10.1	9.8
18.75°	13.0	13.0	13.0	12.6	12.3	11.9	11.4	11.0	10.6	10.2	9.8
17.5°	13.0	13.0	13.0	12.7	12.4	12.0	11.5	11.1	10.7	10.3	9.9
16.25°	13.2	13.0	13.0	12.8	12.4	12.1	11.6	11.2	10.8	10.4	10.0
15°	13.3	13.0	13.0	12.9	12.5	12.1	11.7	11.3	10.9	10.4	10.0
13.75°	13.4	13.0	13.0	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.1
12.5°	13.5	13.0	13.0	13.0	12.7	12.3	11.9	11.4	11.0	10.6	10.2
11.25°	13.5	13.1	13.0	13.0	12.7	12.3	11.9	11.5	11.0	10.6	10.2
10°	13.6	13.2	13.0	13.0	12.8	12.4	12.0	11.5	11.1	10.7	10.2
8.75°	13.7	13.2	13.0	13.0	12.8	12.4	12.0	11.6	11.1	10.7	10.3
7.5°	13.7	13.3	13.0	13.0	12.9	12.5	12.1	11.6	11.2	10.7	10.3
6.25°	13.8	13.3	13.0	13.0	12.9	12.5	12.1	11.7	11.2	10.8	10.3
5°	13.8	13.4	13.0	13.0	12.9	12.5	12.1	11.7	11.3	10.8	10.4
3.75°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
2.5°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
1.25°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
0°	13.9	13.5	13.0	13.0	13.0	12.6	12.2	11.8	11.3	10.9	10.4
-1.25°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-2.5°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-3.75°	13.9	13.4	13.0	13.0	13.0	12.6	12.2	11.7	11.3	10.8	10.4
-5°	13.8	13.4	13.0	13.0	12.9	12.5	12.1	11.7	11.3	10.8	10.4
-6.25°	13.8	13.3	13.0	13.0	12.9	12.5	12.1	11.7	11.2	10.8	10.3
-7.5°	13.7	13.3	13.0	13.0	12.9	12.5	12.1	11.6	11.2	10.7	10.3
-8.75°	13.7	13.2	13.0	13.0	12.8	12.4	12.0	11.6	11.1	10.7	10.3
-10°	13.6	13.2	13.0	13.0	12.8	12.4	12.0	11.5	11.1	10.7	10.2
-11.25°	13.5	13.1	13.0	13.0	12.7	12.3	11.9	11.5	11.0	10.6	10.2
-12.5°	13.5	13.0	13.0	13.0	12.7	12.3	11.9	11.4	11.0	10.6	10.2
-13.75°	13.4	13.0	13.0	13.0	12.6	12.2	11.8	11.4	10.9	10.5	10.1
-15°	13.3	13.0	13.0	12.9	12.5	12.1	11.7	11.3	10.9	10.4	10.0
-16.25°	13.2	13.0	13.0	12.8	12.4	12.1	11.6	11.2	10.8	10.4	10.0
-17.5°	13.0	13.0	13.0	12.7	12.4	12.0	11.5	11.1	10.7	10.3	9.9
-18.75°	13.0	13.0	13.0	12.6	12.3	11.9	11.4	11.0	10.6	10.2	9.8
-20°	13.0	13.0	12.9	12.5	12.2	11.8	11.3	10.9	10.5	10.1	9.8
-21.25°	13.0	13.0	12.8	12.4	12.0	11.6	11.2	10.8	10.4	10.1	9.7



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	13.0	13.0	12.7	12.3	11.9	11.5	11.1	10.7	10.3	10.0	9.6
-23.75°	13.0	12.9	12.5	12.2	11.8	11.4	11.0	10.6	10.2	9.9	9.5
-25°	13.0	12.7	12.4	12.0	11.7	11.3	10.9	10.5	10.1	9.8	9.4
-26.25°	12.9	12.6	12.3	11.9	11.5	11.1	10.7	10.4	10.0	9.7	9.3
-27.5°	12.8	12.5	12.1	11.7	11.4	11.0	10.6	10.2	9.9	9.6	9.2
-28.75°	12.6	12.3	11.9	11.6	11.2	10.8	10.5	10.1	9.8	9.4	9.1
-30°	12.5	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.7	9.3	8.9
-31.25°	12.3	12.0	11.6	11.2	10.9	10.5	10.2	9.9	9.5	9.2	8.8
-32.5°	12.1	11.8	11.4	11.1	10.7	10.4	10.1	9.7	9.4	9.0	8.7
-33.75°	11.9	11.6	11.2	10.9	10.5	10.2	9.9	9.6	9.3	8.9	8.5
-35°	11.7	11.4	11.0	10.7	10.4	10.1	9.8	9.4	9.1	8.8	8.4
-36.25°	11.5	11.2	10.8	10.5	10.2	9.9	9.6	9.3	8.9	8.6	8.3
-37.5°	11.3	11.0	10.6	10.3	10.0	9.8	9.4	9.1	8.8	8.4	8.1
-38.75°	11.0	10.7	10.4	10.2	9.9	9.6	9.3	8.9	8.6	8.3	8.0
-40°	10.8	10.5	10.2	10.0	9.7	9.4	9.1	8.8	8.4	8.1	7.8
-41.25°	10.6	10.3	10.0	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.6
-42.5°	10.4	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.5
-43.75°	10.1	9.9	9.7	9.4	9.1	8.8	8.5	8.2	7.9	7.6	7.3
-45°	9.9	9.7	9.4	9.2	8.9	8.6	8.3	8.0	7.7	7.4	7.2
-46.25°	9.7	9.5	9.2	8.9	8.7	8.4	8.1	7.8	7.6	7.3	7.0
-47.5°	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.4	7.1	6.8
-48.75°	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.4	7.2	6.9	6.7
-50°	9.0	8.7	8.5	8.2	8.0	7.7	7.5	7.2	7.0	6.7	6.5
-51.25°	8.7	8.5	8.2	8.0	7.8	7.5	7.3	7.0	6.8	6.6	6.3
-52.5°	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.6	6.4	6.2
-53.75°	8.2	8.0	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	6.0
-55°	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.2	6.0	5.8
-56.25°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.3	6.1	5.8	5.6
-57.5°	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.1	5.8	5.6	5.4
-58.75°	7.1	6.9	6.7	6.6	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-60°	6.8	6.7	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2	5.2
-61.25°	6.6	6.4	6.3	6.1	5.9	5.7	5.6	5.4	5.2	5.2	5.2
-62.5°	6.3	6.2	6.0	5.8	5.7	5.5	5.3	5.2	5.2	5.2	5.2
-63.75°	6.1	5.9	5.7	5.6	5.4	5.3	5.2	5.2	5.2	5.2	5.2
-65°	5.8	5.6	5.5	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.0
-66.25°	5.5	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.9	4.6
-67.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0	4.8	4.5	4.2
-68.75°	5.2	5.2	5.2	5.2	5.2	5.1	4.9	4.6	4.3	4.1	3.8
-70°	5.2	5.2	5.2	5.1	4.9	4.6	4.4	4.1	3.9	3.6	3.4
-71.25°	5.2	5.0	4.8	4.6	4.4	4.2	3.9	3.7	3.5	3.4	3.2
-72.5°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.4	3.2	3.1	3.0
-73.75°	4.1	3.9	3.7	3.6	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-75°	3.5	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-76.25°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.4
-77.5°	2.9	2.9	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0	1.9
-80°	2.3	2.3	2.2	2.1	2.1	2.0	2.0	1.9	1.8	1.8	1.7
-81.25°	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5
-82.5°	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3
-83.75°	1.4	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1	1.1
-85°	1.2	1.2	1.1	1.1	1.1	1.0	1.0	1.0	1.0	0.9	0.9
-86.25°	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7
-87.5°	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.4	5.2	5.2
32.5°	8.3	8.0	7.6	7.2	6.9	6.5	6.2	5.8	5.5	5.2	5.2
31.25°	8.4	8.1	7.7	7.3	7.0	6.6	6.3	5.9	5.5	5.2	5.2
30°	8.6	8.2	7.8	7.4	7.0	6.7	6.4	6.0	5.6	5.2	5.2
28.75°	8.7	8.3	7.9	7.5	7.1	6.8	6.4	6.1	5.7	5.3	5.2
27.5°	8.8	8.4	8.0	7.6	7.2	6.8	6.5	6.2	5.8	5.4	5.2
26.25°	8.9	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.2
25°	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.3	5.9	5.5	5.2
23.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	6.0	5.6	5.2
22.5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
21.25°	9.3	8.9	8.5	8.1	7.6	7.2	6.8	6.4	6.1	5.7	5.2
20°	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
18.75°	9.5	9.0	8.6	8.2	7.8	7.3	6.9	6.5	6.2	5.8	5.3
17.5°	9.5	9.1	8.7	8.3	7.8	7.4	7.0	6.6	6.2	5.8	5.4
16.25°	9.6	9.2	8.7	8.3	7.9	7.5	7.0	6.6	6.3	5.8	5.4
15°	9.7	9.2	8.8	8.4	7.9	7.5	7.1	6.7	6.3	5.9	5.4
13.75°	9.7	9.3	8.9	8.4	8.0	7.6	7.1	6.7	6.3	5.9	5.5
12.5°	9.8	9.3	8.9	8.5	8.0	7.6	7.2	6.7	6.4	5.9	5.5
11.25°	9.8	9.4	9.0	8.5	8.1	7.6	7.2	6.8	6.4	6.0	5.5
10°	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.8	6.4	6.0	5.6
8.75°	9.9	9.5	9.0	8.6	8.1	7.7	7.3	6.8	6.4	6.0	5.6
7.5°	9.9	9.5	9.1	8.6	8.2	7.7	7.3	6.8	6.4	6.0	5.6
6.25°	9.9	9.5	9.1	8.6	8.2	7.7	7.3	6.9	6.5	6.1	5.6
5°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
3.75°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
2.5°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
1.25°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
0°	10.0	9.6	9.2	8.7	8.3	7.8	7.4	6.9	6.5	6.1	5.7
-1.25°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
-2.5°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
-3.75°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
-5°	10.0	9.6	9.1	8.7	8.2	7.8	7.3	6.9	6.5	6.1	5.6
-6.25°	9.9	9.5	9.1	8.6	8.2	7.7	7.3	6.9	6.5	6.1	5.6
-7.5°	9.9	9.5	9.1	8.6	8.2	7.7	7.3	6.8	6.4	6.0	5.6
-8.75°	9.9	9.5	9.0	8.6	8.1	7.7	7.3	6.8	6.4	6.0	5.6
-10°	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.8	6.4	6.0	5.6
-11.25°	9.8	9.4	9.0	8.5	8.1	7.6	7.2	6.8	6.4	6.0	5.5
-12.5°	9.8	9.3	8.9	8.5	8.0	7.6	7.2	6.7	6.4	5.9	5.5
-13.75°	9.7	9.3	8.9	8.4	8.0	7.6	7.1	6.7	6.3	5.9	5.5
-15°	9.7	9.2	8.8	8.4	7.9	7.5	7.1	6.7	6.3	5.9	5.4
-16.25°	9.6	9.2	8.7	8.3	7.9	7.5	7.0	6.6	6.3	5.8	5.4
-17.5°	9.5	9.1	8.7	8.3	7.8	7.4	7.0	6.6	6.2	5.8	5.4
-18.75°	9.5	9.0	8.6	8.2	7.8	7.3	6.9	6.5	6.2	5.8	5.3
-20°	9.4	9.0	8.5	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3
-21.25°	9.3	8.9	8.5	8.1	7.6	7.2	6.8	6.4	6.1	5.7	5.2



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	9.2	8.8	8.4	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2
-23.75°	9.1	8.7	8.3	7.9	7.5	7.1	6.7	6.3	6.0	5.6	5.2
-25°	9.0	8.6	8.2	7.8	7.4	7.0	6.6	6.3	5.9	5.5	5.2
-26.25°	8.9	8.5	8.1	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.2
-27.5°	8.8	8.4	8.0	7.6	7.2	6.8	6.5	6.2	5.8	5.4	5.2
-28.75°	8.7	8.3	7.9	7.5	7.1	6.8	6.4	6.1	5.7	5.3	5.2
-30°	8.6	8.2	7.8	7.4	7.0	6.7	6.4	6.0	5.6	5.2	5.2
-31.25°	8.4	8.1	7.7	7.3	7.0	6.6	6.3	5.9	5.5	5.2	5.2
-32.5°	8.3	8.0	7.6	7.2	6.9	6.5	6.2	5.8	5.5	5.2	5.2
-33.75°	8.2	7.8	7.5	7.1	6.8	6.4	6.1	5.7	5.4	5.2	5.2
-35°	8.1	7.7	7.3	7.0	6.7	6.3	6.0	5.7	5.3	5.2	5.2
-36.25°	7.9	7.6	7.2	6.9	6.6	6.3	5.9	5.6	5.2	5.2	5.2
-37.5°	7.8	7.4	7.1	6.8	6.5	6.2	5.8	5.5	5.2	5.2	5.2
-38.75°	7.6	7.3	7.0	6.7	6.4	6.1	5.7	5.4	5.2	5.2	5.2
-40°	7.5	7.2	6.8	6.5	6.3	5.9	5.6	5.3	5.2	5.2	5.1
-41.25°	7.3	7.0	6.7	6.4	6.1	5.8	5.5	5.2	5.2	5.2	5.0
-42.5°	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.2	5.2	5.2	4.8
-43.75°	7.0	6.7	6.5	6.2	5.9	5.6	5.3	5.2	5.2	5.2	4.6
-45°	6.9	6.6	6.3	6.1	5.8	5.5	5.2	5.2	5.2	5.0	4.5
-46.25°	6.7	6.5	6.2	5.9	5.6	5.3	5.2	5.2	5.2	4.9	4.3
-47.5°	6.6	6.3	6.1	5.8	5.5	5.2	5.2	5.2	5.2	4.7	4.1
-48.75°	6.4	6.2	5.9	5.6	5.3	5.2	5.2	5.2	5.0	4.5	3.9
-50°	6.3	6.0	5.7	5.5	5.2	5.2	5.2	5.2	4.8	4.3	3.7
-51.25°	6.1	5.8	5.6	5.3	5.2	5.2	5.2	5.1	4.6	4.1	3.6
-52.5°	5.9	5.7	5.4	5.2	5.2	5.2	5.2	4.9	4.4	3.9	3.4
-53.75°	5.7	5.5	5.3	5.2	5.2	5.2	5.1	4.6	4.2	3.7	3.3
-55°	5.6	5.3	5.2	5.2	5.2	5.2	4.9	4.4	3.9	3.5	3.2
-56.25°	5.4	5.2	5.2	5.2	5.2	5.0	4.6	4.1	3.7	3.4	3.1
-57.5°	5.2	5.2	5.2	5.2	5.2	4.8	4.3	3.9	3.5	3.2	3.0
-58.75°	5.2	5.2	5.2	5.2	4.9	4.5	4.1	3.6	3.4	3.1	2.9
-60°	5.2	5.2	5.2	5.0	4.6	4.2	3.8	3.4	3.2	3.0	2.8
-61.25°	5.2	5.2	5.1	4.7	4.3	3.9	3.5	3.3	3.1	2.9	2.7
-62.5°	5.2	5.1	4.7	4.4	4.0	3.6	3.4	3.2	3.0	2.8	2.6
-63.75°	5.1	4.7	4.4	4.0	3.7	3.4	3.2	3.0	2.8	2.7	2.5
-65°	4.7	4.4	4.0	3.7	3.4	3.3	3.1	2.9	2.7	2.5	2.3
-66.25°	4.3	4.0	3.7	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.2
-67.5°	3.9	3.6	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.3	2.1
-68.75°	3.5	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.0
-70°	3.3	3.2	3.0	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9
-71.25°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8
-72.5°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.6
-73.75°	2.7	2.6	2.5	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
-75°	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.5	1.4
-76.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-77.5°	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.2



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	5.2	4.5	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
32.5°	5.2	4.6	3.9	3.3	2.9	2.6	2.2	1.8	1.4	1.1	0.8
31.25°	5.2	4.7	4.0	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
30°	5.2	4.8	4.0	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
28.75°	5.2	4.9	4.1	3.4	3.1	2.7	2.3	1.9	1.5	1.2	0.8
27.5°	5.2	5.0	4.2	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
26.25°	5.2	5.1	4.3	3.6	3.1	2.7	2.3	1.9	1.5	1.2	0.8
25°	5.2	5.2	4.4	3.6	3.2	2.8	2.3	1.9	1.5	1.2	0.8
23.75°	5.2	5.2	4.5	3.7	3.2	2.8	2.4	2.0	1.6	1.2	0.8
22.5°	5.2	5.2	4.5	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
21.25°	5.2	5.2	4.6	3.8	3.3	2.8	2.4	2.0	1.6	1.2	0.8
20°	5.2	5.2	4.7	3.9	3.3	2.9	2.4	2.0	1.6	1.2	0.8
18.75°	5.2	5.2	4.7	3.9	3.3	2.9	2.5	2.0	1.6	1.2	0.9
17.5°	5.2	5.2	4.8	4.0	3.3	2.9	2.5	2.0	1.6	1.2	0.9
16.25°	5.2	5.2	4.9	4.0	3.4	2.9	2.5	2.1	1.6	1.3	0.9
15°	5.2	5.2	4.9	4.1	3.4	2.9	2.5	2.1	1.6	1.3	0.9
13.75°	5.2	5.2	5.0	4.1	3.4	3.0	2.5	2.1	1.7	1.3	0.9
12.5°	5.2	5.2	5.0	4.2	3.4	3.0	2.5	2.1	1.7	1.3	0.9
11.25°	5.2	5.2	5.0	4.2	3.4	3.0	2.5	2.1	1.7	1.3	0.9
10°	5.2	5.2	5.1	4.2	3.4	3.0	2.6	2.1	1.7	1.3	0.9
8.75°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
7.5°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
6.25°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
5°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
3.75°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
2.5°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
1.25°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
0°	5.2	5.2	5.2	4.4	3.5	3.1	2.6	2.2	1.7	1.3	0.9
-1.25°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-2.5°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-3.75°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-5°	5.2	5.2	5.2	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-6.25°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-7.5°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-8.75°	5.2	5.2	5.1	4.3	3.5	3.0	2.6	2.1	1.7	1.3	0.9
-10°	5.2	5.2	5.1	4.2	3.4	3.0	2.6	2.1	1.7	1.3	0.9
-11.25°	5.2	5.2	5.0	4.2	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-12.5°	5.2	5.2	5.0	4.2	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-13.75°	5.2	5.2	5.0	4.1	3.4	3.0	2.5	2.1	1.7	1.3	0.9
-15°	5.2	5.2	4.9	4.1	3.4	2.9	2.5	2.1	1.6	1.3	0.9
-16.25°	5.2	5.2	4.9	4.0	3.4	2.9	2.5	2.1	1.6	1.3	0.9
-17.5°	5.2	5.2	4.8	4.0	3.3	2.9	2.5	2.0	1.6	1.2	0.9
-18.75°	5.2	5.2	4.7	3.9	3.3	2.9	2.5	2.0	1.6	1.2	0.9
-20°	5.2	5.2	4.7	3.9	3.3	2.9	2.4	2.0	1.6	1.2	0.8
-21.25°	5.2	5.2	4.6	3.8	3.3	2.8	2.4	2.0	1.6	1.2	0.8



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-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°	5.2	5.2	4.5	3.8	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-23.75°	5.2	5.2	4.5	3.7	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-25°	5.2	5.2	4.4	3.6	3.2	2.8	2.3	1.9	1.5	1.2	0.8
-26.25°	5.2	5.1	4.3	3.6	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-27.5°	5.2	5.0	4.2	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-28.75°	5.2	4.9	4.1	3.4	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-30°	5.2	4.8	4.0	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
-31.25°	5.2	4.7	4.0	3.4	3.0	2.6	2.2	1.8	1.5	1.1	0.8
-32.5°	5.2	4.6	3.9	3.3	2.9	2.6	2.2	1.8	1.4	1.1	0.8
-33.75°	5.2	4.5	3.7	3.3	2.9	2.5	2.1	1.8	1.4	1.1	0.7
-35°	5.0	4.3	3.6	3.2	2.8	2.5	2.1	1.7	1.4	1.1	0.7
-36.25°	4.9	4.2	3.5	3.2	2.8	2.4	2.1	1.7	1.4	1.1	0.7
-37.5°	4.8	4.1	3.5	3.1	2.8	2.4	2.0	1.7	1.4	1.1	0.7
-38.75°	4.6	4.0	3.4	3.1	2.7	2.4	2.0	1.7	1.3	1.0	0.7
-40°	4.5	3.8	3.3	3.0	2.7	2.3	2.0	1.6	1.3	1.0	0.7
-41.25°	4.3	3.7	3.3	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.7
-42.5°	4.2	3.6	3.2	2.9	2.5	2.2	1.9	1.6	1.3	1.0	0.7
-43.75°	4.0	3.5	3.1	2.8	2.5	2.2	1.8	1.5	1.3	1.0	0.7
-45°	3.9	3.4	3.1	2.8	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-46.25°	3.7	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-47.5°	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-48.75°	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-50°	3.3	3.1	2.8	2.5	2.2	1.9	1.6	1.4	1.1	0.9	0.6
-51.25°	3.3	3.0	2.7	2.4	2.1	1.9	1.6	1.4	1.1	0.8	0.6
-52.5°	3.2	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
-53.75°	3.1	2.8	2.5	2.3	2.0	1.8	1.5	1.3	1.0	0.8	0.5
-55°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.2	1.0	0.8	0.5
-56.25°	2.9	2.6	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5
-57.5°	2.8	2.5	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.7	0.5
-58.75°	2.7	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.5
-60°	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
-61.25°	2.5	2.3	2.1	1.8	1.6	1.4	1.3	1.1	0.9	0.6	0.4
-62.5°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-63.75°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
-65°	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.6	0.4
-66.25°	2.1	1.9	1.7	1.5	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-67.5°	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.5	0.3
-68.75°	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.5	0.3
-70°	1.7	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-71.25°	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
-72.5°	1.5	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
-73.75°	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-76.25°	1.2	1.1	1.0	1.0	0.9	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.1	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2



REPORT NUMBER: P220315 (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°
-78.75°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.2
-80°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-81.25°	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-82.5°	0.7	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-83.75°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.5	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1
-86.25°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220315 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3590-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)