

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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

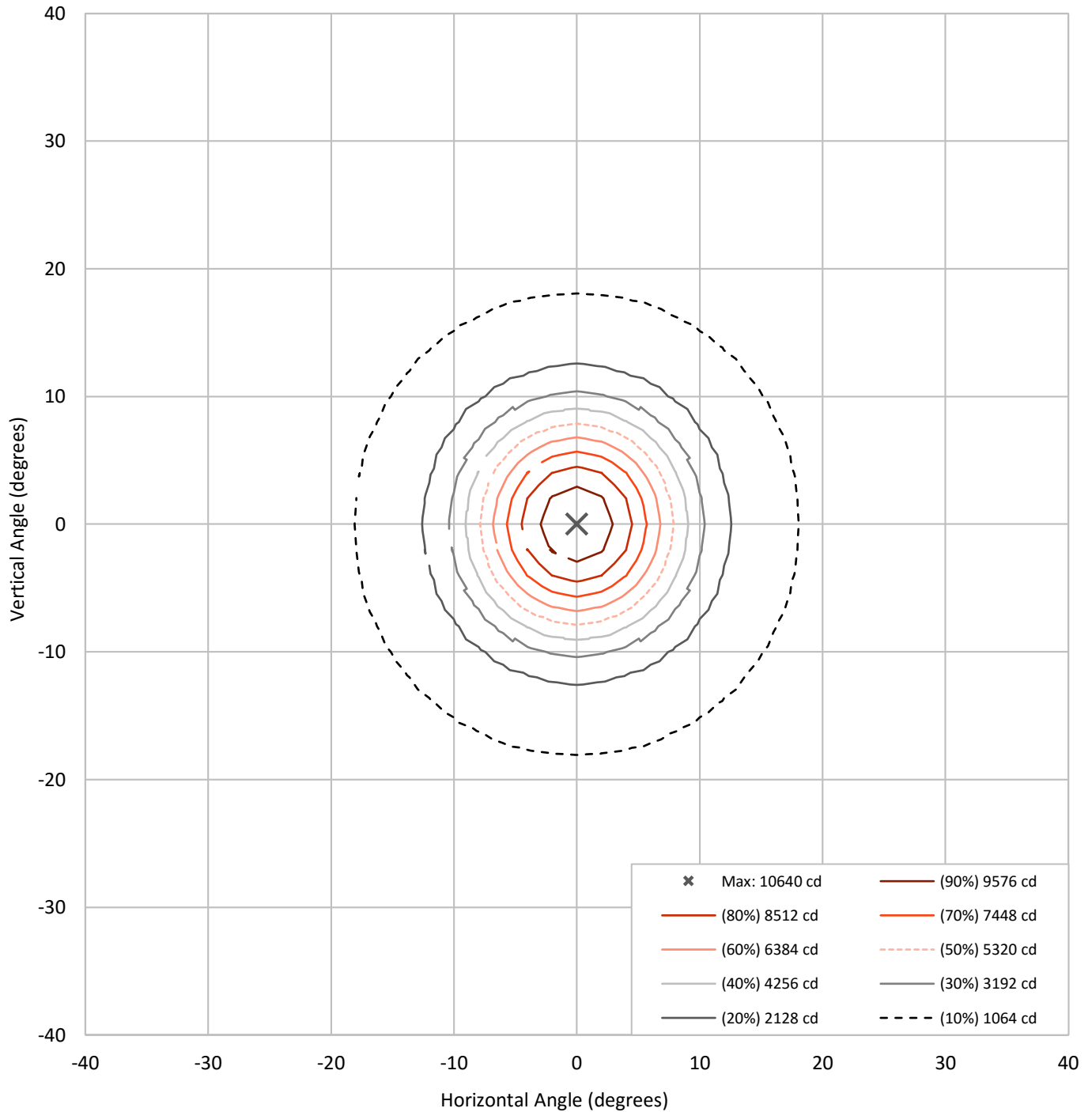
Test Method: LM-79-08
Report Number: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1451.2 lumens	Max Intensity:	10640 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	72.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	442.8 lumens	Field Lumens:	977.1 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
Input Watts (W):	20.1		
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





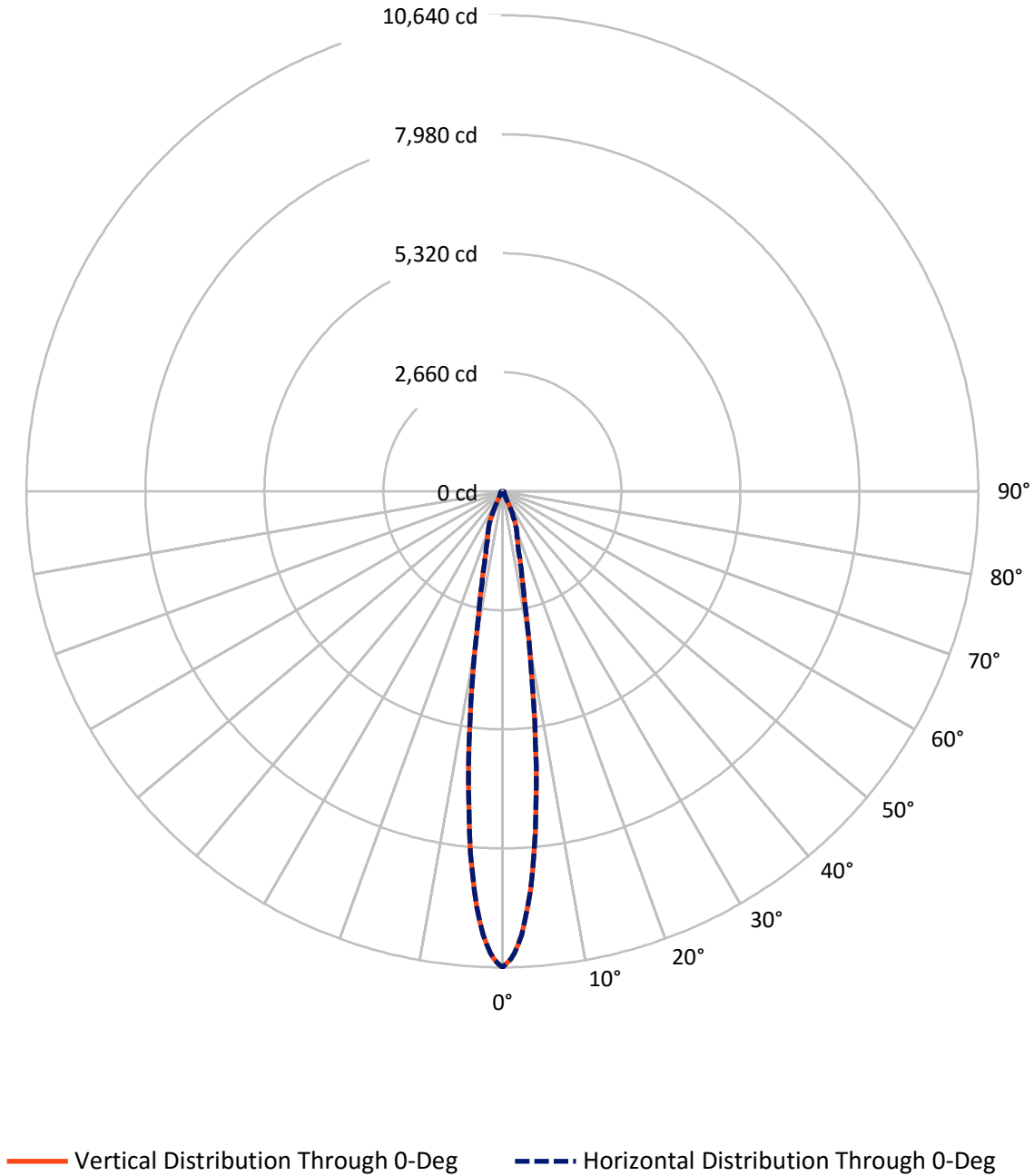
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Lumen Table

90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
80	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
70	0.2	0.2	0.3	0.4	0.6	0.9	1.0	1.1	1.1	1.0	0.9	0.6	0.4	0.3	0.2	0.2			
60		0.2	0.4	0.7	1.1	1.4	1.5	1.6	1.6	1.5	1.4	1.1	0.7	0.4	0.2				
50	0.3	0.3	0.6	1.0	1.3	1.5	1.7	1.8	1.8	1.7	1.5	1.3	1.0	0.6	0.3	0.3			
40		0.3	0.8	1.2	1.4	1.7	2.0	2.2	2.2	2.0	1.7	1.4	1.2	0.8	0.3				
30	0.3	0.4	0.9	1.2	1.5	2.1	5.4	12.3	12.3	5.4	2.1	1.5	1.2	0.9	0.4	0.3			
20		0.5	0.9	1.2	1.7	5.1	23.7	43.8	43.8	23.7	5.1	1.7	1.2	0.9	0.5				
10	0.3	0.5	0.9	1.3	1.8	11.4	42.6	170.2	170.2	42.6	11.4	1.8	1.3	0.9	0.5	0.3			
0		0.5	0.9	1.3	1.8	11.4	42.6	170.2	170.2	42.6	11.4	1.8	1.3	0.9	0.5				
-10	0.3	0.5	0.9	1.2	1.7	5.1	23.7	43.8	43.8	23.7	5.1	1.7	1.2	0.9	0.5	0.3			
-20		0.4	0.9	1.2	1.5	2.1	5.4	12.3	12.3	5.4	2.1	1.5	1.2	0.9	0.4				
-30	0.3	0.3	0.8	1.2	1.4	1.7	2.0	2.2	2.2	2.0	1.7	1.4	1.2	0.8	0.3	0.3			
-40		0.3	0.6	1.0	1.3	1.5	1.7	1.8	1.8	1.7	1.5	1.3	1.0	0.6	0.3				
-50	0.2	0.2	0.4	0.7	1.1	1.4	1.5	1.6	1.6	1.5	1.4	1.1	0.7	0.4	0.2	0.2			
-60		0.2	0.3	0.4	0.6	0.9	1.0	1.1	1.1	1.0	0.9	0.6	0.4	0.3	0.2				
-70	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1						0.1				
-80		0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
-90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1						0.1				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

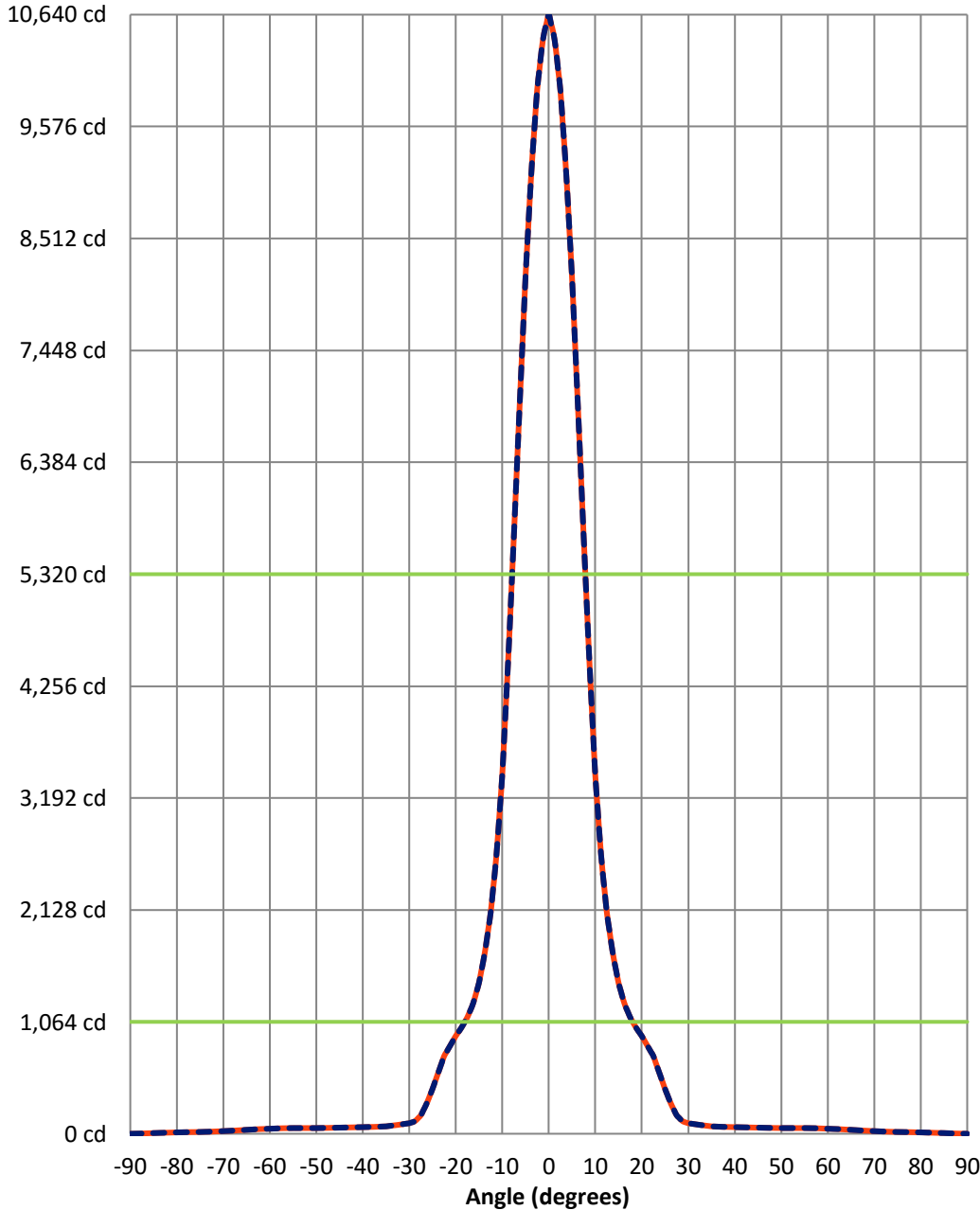
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 15.8°
 V Angle: 15.8°
 Lumens: 442.8
 Efficiency: 30.5%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 977.1
 Efficiency: 67.3%

Spill:
 Lumens: 474.2
 Efficiency: 32.7%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.7
76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.7	3.1
75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	3.0	3.6
73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.9	3.4	4.0
72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.2	3.8	4.4
71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.9	3.5	4.2	4.8
70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.2	3.9	4.6	5.3
68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.5	4.2	4.9	5.7
67.5°	0.0	0.5	0.9	1.4	1.8	2.3	3.0	3.8	4.5	5.3	6.1
66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.2	4.1	4.9	5.7	6.5
65°	0.0	0.5	1.0	1.5	2.0	2.6	3.5	4.3	5.2	6.1	6.8
63.75°	0.0	0.5	1.1	1.6	2.1	2.8	3.7	4.6	5.5	6.4	7.1
62.5°	0.0	0.6	1.1	1.7	2.2	3.0	4.0	4.9	5.8	6.7	7.4
61.25°	0.0	0.6	1.2	1.7	2.3	3.2	4.2	5.2	6.2	7.0	7.7
60°	0.0	0.6	1.2	1.8	2.4	3.4	4.4	5.5	6.5	7.3	8.1
58.75°	0.0	0.6	1.2	1.9	2.5	3.6	4.7	5.7	6.7	7.5	8.4
57.5°	0.0	0.6	1.3	1.9	2.7	3.8	4.9	6.0	7.0	7.8	8.6
56.25°	0.0	0.7	1.3	2.0	2.9	4.0	5.1	6.3	7.2	8.1	8.9
55°	0.0	0.7	1.4	2.1	3.0	4.2	5.3	6.5	7.4	8.3	9.2
53.75°	0.0	0.7	1.4	2.1	3.1	4.4	5.6	6.7	7.6	8.6	9.5
52.5°	0.0	0.7	1.5	2.2	3.3	4.5	5.8	6.9	7.9	8.8	9.8
51.25°	0.0	0.8	1.5	2.3	3.4	4.7	6.0	7.1	8.1	9.1	10.1
50°	0.0	0.8	1.5	2.3	3.6	4.9	6.2	7.3	8.3	9.3	10.3
48.75°	0.0	0.8	1.6	2.4	3.7	5.1	6.4	7.5	8.5	9.6	10.6
47.5°	0.0	0.8	1.6	2.5	3.8	5.2	6.6	7.7	8.7	9.8	10.9
46.25°	0.0	0.8	1.7	2.6	4.0	5.4	6.7	7.8	8.9	10.0	11.1
45°	0.0	0.8	1.7	2.6	4.1	5.5	6.9	8.0	9.1	10.2	11.4
43.75°	0.0	0.9	1.7	2.7	4.2	5.7	7.0	8.2	9.3	10.5	11.6
42.5°	0.0	0.9	1.8	2.8	4.3	5.9	7.2	8.3	9.5	10.7	11.9
41.25°	0.0	0.9	1.8	2.9	4.5	6.0	7.3	8.5	9.7	10.9	12.1
40°	0.0	0.9	1.8	3.0	4.6	6.1	7.4	8.7	9.9	11.1	12.3
38.75°	0.0	0.9	1.9	3.1	4.7	6.3	7.6	8.8	10.1	11.3	12.5
37.5°	0.0	1.0	1.9	3.2	4.8	6.4	7.7	9.0	10.2	11.5	12.8
36.25°	0.0	1.0	1.9	3.3	4.9	6.5	7.8	9.1	10.4	11.7	13.0
35°	0.0	1.0	2.0	3.3	5.0	6.6	8.0	9.3	10.6	11.9	13.1



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.0	2.0	3.4	5.1	6.7	8.1	9.4	10.7	12.0	13.3
32.5°	0.0	1.0	2.0	3.5	5.2	6.8	8.2	9.5	10.9	12.2	13.4
31.25°	0.0	1.0	2.1	3.6	5.3	6.9	8.3	9.7	11.0	12.4	13.6
30°	0.0	1.0	2.1	3.6	5.4	7.0	8.4	9.8	11.2	12.6	13.7
28.75°	0.0	1.1	2.1	3.7	5.5	7.1	8.5	9.9	11.3	12.7	13.8
27.5°	0.0	1.1	2.1	3.8	5.6	7.2	8.6	10.0	11.4	12.9	14.0
26.25°	0.0	1.1	2.2	3.8	5.7	7.3	8.7	10.1	11.6	13.0	14.1
25°	0.0	1.1	2.2	3.9	5.7	7.3	8.8	10.2	11.7	13.1	14.2
23.75°	0.0	1.1	2.2	3.9	5.8	7.4	8.9	10.3	11.8	13.2	14.3
22.5°	0.0	1.1	2.2	4.0	5.9	7.5	9.0	10.4	11.9	13.3	14.4
21.25°	0.0	1.1	2.2	4.0	5.9	7.6	9.0	10.5	12.0	13.4	14.5
20°	0.0	1.1	2.3	4.1	6.0	7.6	9.1	10.6	12.1	13.5	14.6
18.75°	0.0	1.1	2.3	4.1	6.1	7.7	9.2	10.7	12.2	13.5	14.7
17.5°	0.0	1.1	2.3	4.2	6.1	7.7	9.3	10.8	12.3	13.6	14.8
16.25°	0.0	1.2	2.3	4.2	6.2	7.8	9.3	10.8	12.4	13.7	14.9
15°	0.0	1.2	2.3	4.2	6.2	7.8	9.4	10.9	12.5	13.8	15.0
13.75°	0.0	1.2	2.3	4.3	6.3	7.9	9.4	11.0	12.5	13.8	15.0
12.5°	0.0	1.2	2.3	4.3	6.3	7.9	9.5	11.0	12.6	13.9	15.1
11.25°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.7	13.9	15.2
10°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.1	12.7	14.0	15.2
8.75°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.7	14.0	15.3
7.5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.1	15.3
6.25°	0.0	1.2	2.4	4.4	6.5	8.1	9.6	11.2	12.8	14.1	15.3
5°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
3.75°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
2.5°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
1.25°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
0°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
-1.25°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
-2.5°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
-3.75°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
-5°	0.0	1.2	2.4	4.4	6.5	8.1	9.7	11.3	12.9	14.1	15.4
-6.25°	0.0	1.2	2.4	4.4	6.5	8.1	9.6	11.2	12.8	14.1	15.3
-7.5°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.8	14.1	15.3
-8.75°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.2	12.7	14.0	15.3
-10°	0.0	1.2	2.4	4.4	6.4	8.0	9.6	11.1	12.7	14.0	15.2
-11.25°	0.0	1.2	2.4	4.3	6.3	7.9	9.5	11.1	12.7	13.9	15.2
-12.5°	0.0	1.2	2.3	4.3	6.3	7.9	9.5	11.0	12.6	13.9	15.1
-13.75°	0.0	1.2	2.3	4.3	6.3	7.9	9.4	11.0	12.5	13.8	15.0
-15°	0.0	1.2	2.3	4.2	6.2	7.8	9.4	10.9	12.5	13.8	15.0
-16.25°	0.0	1.2	2.3	4.2	6.2	7.8	9.3	10.8	12.4	13.7	14.9
-17.5°	0.0	1.1	2.3	4.2	6.1	7.7	9.3	10.8	12.3	13.6	14.8
-18.75°	0.0	1.1	2.3	4.1	6.1	7.7	9.2	10.7	12.2	13.5	14.7
-20°	0.0	1.1	2.3	4.1	6.0	7.6	9.1	10.6	12.1	13.5	14.6
-21.25°	0.0	1.1	2.2	4.0	5.9	7.6	9.0	10.5	12.0	13.4	14.5



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.1	2.2	4.0	5.9	7.5	9.0	10.4	11.9	13.3	14.4
-23.75°	0.0	1.1	2.2	3.9	5.8	7.4	8.9	10.3	11.8	13.2	14.3
-25°	0.0	1.1	2.2	3.9	5.7	7.3	8.8	10.2	11.7	13.1	14.2
-26.25°	0.0	1.1	2.2	3.8	5.7	7.3	8.7	10.1	11.6	13.0	14.1
-27.5°	0.0	1.1	2.1	3.8	5.6	7.2	8.6	10.0	11.4	12.9	14.0
-28.75°	0.0	1.1	2.1	3.7	5.5	7.1	8.5	9.9	11.3	12.7	13.8
-30°	0.0	1.0	2.1	3.6	5.4	7.0	8.4	9.8	11.2	12.6	13.7
-31.25°	0.0	1.0	2.1	3.6	5.3	6.9	8.3	9.7	11.0	12.4	13.6
-32.5°	0.0	1.0	2.0	3.5	5.2	6.8	8.2	9.5	10.9	12.2	13.4
-33.75°	0.0	1.0	2.0	3.4	5.1	6.7	8.1	9.4	10.7	12.0	13.3
-35°	0.0	1.0	2.0	3.3	5.0	6.6	8.0	9.3	10.6	11.9	13.1
-36.25°	0.0	1.0	1.9	3.3	4.9	6.5	7.8	9.1	10.4	11.7	13.0
-37.5°	0.0	1.0	1.9	3.2	4.8	6.4	7.7	9.0	10.2	11.5	12.8
-38.75°	0.0	0.9	1.9	3.1	4.7	6.3	7.6	8.8	10.1	11.3	12.5
-40°	0.0	0.9	1.8	3.0	4.6	6.1	7.4	8.7	9.9	11.1	12.3
-41.25°	0.0	0.9	1.8	2.9	4.5	6.0	7.3	8.5	9.7	10.9	12.1
-42.5°	0.0	0.9	1.8	2.8	4.3	5.9	7.2	8.3	9.5	10.7	11.9
-43.75°	0.0	0.9	1.7	2.7	4.2	5.7	7.0	8.2	9.3	10.5	11.6
-45°	0.0	0.8	1.7	2.6	4.1	5.5	6.9	8.0	9.1	10.2	11.4
-46.25°	0.0	0.8	1.7	2.6	4.0	5.4	6.7	7.8	8.9	10.0	11.1
-47.5°	0.0	0.8	1.6	2.5	3.8	5.2	6.6	7.7	8.7	9.8	10.9
-48.75°	0.0	0.8	1.6	2.4	3.7	5.1	6.4	7.5	8.5	9.6	10.6
-50°	0.0	0.8	1.5	2.3	3.6	4.9	6.2	7.3	8.3	9.3	10.3
-51.25°	0.0	0.8	1.5	2.3	3.4	4.7	6.0	7.1	8.1	9.1	10.1
-52.5°	0.0	0.7	1.5	2.2	3.3	4.5	5.8	6.9	7.9	8.8	9.8
-53.75°	0.0	0.7	1.4	2.1	3.1	4.4	5.6	6.7	7.6	8.6	9.5
-55°	0.0	0.7	1.4	2.1	3.0	4.2	5.3	6.5	7.4	8.3	9.2
-56.25°	0.0	0.7	1.3	2.0	2.9	4.0	5.1	6.3	7.2	8.1	8.9
-57.5°	0.0	0.6	1.3	1.9	2.7	3.8	4.9	6.0	7.0	7.8	8.6
-58.75°	0.0	0.6	1.2	1.9	2.5	3.6	4.7	5.7	6.7	7.5	8.4
-60°	0.0	0.6	1.2	1.8	2.4	3.4	4.4	5.5	6.5	7.3	8.1
-61.25°	0.0	0.6	1.2	1.7	2.3	3.2	4.2	5.2	6.2	7.0	7.7
-62.5°	0.0	0.6	1.1	1.7	2.2	3.0	4.0	4.9	5.8	6.7	7.4
-63.75°	0.0	0.5	1.1	1.6	2.1	2.8	3.7	4.6	5.5	6.4	7.1
-65°	0.0	0.5	1.0	1.5	2.0	2.6	3.5	4.3	5.2	6.1	6.8
-66.25°	0.0	0.5	1.0	1.4	1.9	2.4	3.2	4.1	4.9	5.7	6.5
-67.5°	0.0	0.5	0.9	1.4	1.8	2.3	3.0	3.8	4.5	5.3	6.1
-68.75°	0.0	0.4	0.9	1.3	1.7	2.2	2.7	3.5	4.2	4.9	5.7
-70°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.2	3.9	4.6	5.3
-71.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.9	3.5	4.2	4.8
-72.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.2	3.8	4.4
-73.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.9	3.4	4.0
-75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	3.0	3.6
-76.25°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.7	3.1
-77.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.7



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.9	2.1	2.3
-80°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-81.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-82.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-83.75°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-86.25°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-88.75°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.8
82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	3.0	3.2	3.5	3.7
81.25°	2.0	2.2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
80°	2.3	2.5	2.9	3.2	3.5	3.9	4.2	4.5	4.9	5.2	5.5
78.75°	2.7	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.1	6.4
77.5°	3.1	3.6	4.0	4.4	4.8	5.3	5.7	6.1	6.5	6.8	7.1
76.25°	3.6	4.1	4.6	5.0	5.5	5.9	6.4	6.8	7.1	7.5	7.8
75°	4.1	4.6	5.1	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.5
73.75°	4.6	5.1	5.7	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.2
72.5°	5.0	5.6	6.2	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.9
71.25°	5.5	6.1	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.1	10.6
70°	5.9	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
68.75°	6.4	7.0	7.6	8.1	8.7	9.2	9.8	10.3	10.8	11.4	11.9
67.5°	6.8	7.4	8.0	8.6	9.1	9.7	10.3	10.9	11.4	12.0	12.6
66.25°	7.1	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2
65°	7.5	8.1	8.8	9.4	10.1	10.7	11.4	12.0	12.6	13.2	13.7
63.75°	7.8	8.5	9.2	9.9	10.6	11.2	11.9	12.6	13.2	13.7	14.2
62.5°	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.6	14.2	14.7
61.25°	8.5	9.3	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.6	15.2
60°	8.8	9.6	10.4	11.2	11.9	12.7	13.3	13.9	14.5	15.1	15.6
58.75°	9.2	10.0	10.8	11.6	12.4	13.1	13.7	14.4	15.0	15.5	15.9
57.5°	9.5	10.3	11.2	12.0	12.8	13.5	14.1	14.8	15.4	15.8	16.2
56.25°	9.8	10.7	11.5	12.4	13.2	13.9	14.5	15.2	15.7	16.1	16.5
55°	10.1	11.0	11.9	12.8	13.5	14.2	14.9	15.5	15.9	16.4	16.8
53.75°	10.4	11.4	12.3	13.1	13.9	14.6	15.3	15.8	16.2	16.7	17.2
52.5°	10.7	11.7	12.7	13.4	14.2	14.9	15.6	16.0	16.5	16.9	17.8
51.25°	11.1	12.0	13.0	13.7	14.5	15.3	15.8	16.3	16.7	17.4	18.4
50°	11.3	12.4	13.3	14.0	14.8	15.5	16.0	16.5	17.0	18.0	18.9
48.75°	11.6	12.7	13.5	14.3	15.1	15.7	16.2	16.8	17.5	18.5	19.5
47.5°	11.9	13.0	13.8	14.6	15.4	16.0	16.5	17.0	18.0	19.0	20.1
46.25°	12.2	13.2	14.1	14.9	15.6	16.2	16.7	17.4	18.5	19.6	20.8
45°	12.5	13.4	14.3	15.2	15.8	16.4	16.9	17.9	19.0	20.1	21.6
43.75°	12.8	13.7	14.6	15.4	16.0	16.6	17.2	18.3	19.4	20.7	22.4
42.5°	13.0	13.9	14.8	15.6	16.2	16.7	17.6	18.8	19.9	21.5	23.2
41.25°	13.2	14.1	15.0	15.8	16.4	16.9	18.0	19.2	20.4	22.2	24.0
40°	13.4	14.3	15.3	15.9	16.5	17.2	18.4	19.6	21.1	22.9	24.7
38.75°	13.6	14.5	15.5	16.1	16.7	17.6	18.8	20.0	21.8	23.6	25.5
37.5°	13.8	14.7	15.6	16.2	16.9	18.0	19.2	20.5	22.4	24.3	26.3
36.25°	14.0	14.9	15.7	16.4	17.0	18.3	19.6	21.1	23.0	25.0	27.1
35°	14.1	15.1	15.9	16.5	17.3	18.6	19.9	21.7	23.7	25.7	27.9



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	14.3	15.3	16.0	16.7	17.6	18.9	20.3	22.3	24.2	26.4	28.6
32.5°	14.5	15.5	16.1	16.8	17.9	19.3	20.8	22.8	24.8	27.1	29.4
31.25°	14.6	15.6	16.3	16.9	18.2	19.6	21.3	23.3	25.4	27.7	30.1
30°	14.8	15.7	16.4	17.1	18.5	19.9	21.8	23.8	26.0	28.4	30.8
28.75°	14.9	15.8	16.5	17.4	18.8	20.1	22.2	24.3	26.6	29.0	31.5
27.5°	15.1	15.9	16.6	17.6	19.0	20.5	22.7	24.8	27.2	29.6	32.3
26.25°	15.2	16.0	16.7	17.8	19.2	20.9	23.1	25.3	27.7	30.2	33.0
25°	15.3	16.1	16.8	18.0	19.5	21.3	23.5	25.8	28.3	30.8	33.6
23.75°	15.4	16.2	16.9	18.2	19.7	21.7	23.9	26.2	28.8	31.4	34.3
22.5°	15.5	16.3	17.0	18.4	19.9	22.0	24.2	26.7	29.2	32.0	34.9
21.25°	15.6	16.3	17.2	18.6	20.1	22.3	24.6	27.1	29.7	32.5	35.5
20°	15.7	16.4	17.3	18.8	20.4	22.6	24.9	27.5	30.1	33.0	36.1
18.75°	15.7	16.5	17.5	19.0	20.6	22.9	25.3	27.9	30.5	33.5	36.6
17.5°	15.8	16.5	17.6	19.1	20.9	23.2	25.6	28.2	30.9	34.0	37.1
16.25°	15.8	16.6	17.7	19.3	21.1	23.5	25.9	28.6	31.3	34.4	37.5
15°	15.9	16.7	17.9	19.4	21.4	23.7	26.2	28.9	31.7	34.8	37.9
13.75°	15.9	16.7	18.0	19.5	21.6	23.9	26.5	29.2	32.1	35.2	38.3
12.5°	16.0	16.8	18.1	19.7	21.7	24.1	26.7	29.4	32.4	35.6	38.7
11.25°	16.0	16.8	18.2	19.8	21.9	24.3	26.9	29.7	32.7	35.9	39.0
10°	16.1	16.9	18.3	19.8	22.1	24.5	27.1	29.9	33.0	36.1	39.3
8.75°	16.1	16.9	18.4	19.9	22.2	24.6	27.3	30.1	33.2	36.4	39.6
7.5°	16.1	16.9	18.4	20.0	22.3	24.8	27.5	30.2	33.4	36.6	39.8
6.25°	16.1	16.9	18.5	20.1	22.4	24.9	27.6	30.4	33.6	36.8	40.0
5°	16.2	17.0	18.5	20.1	22.5	24.9	27.7	30.5	33.7	36.9	40.1
3.75°	16.2	17.0	18.6	20.2	22.6	25.0	27.8	30.6	33.8	37.1	40.2
2.5°	16.2	17.0	18.6	20.2	22.6	25.1	27.9	30.6	33.9	37.1	40.3
1.25°	16.2	17.0	18.6	20.2	22.6	25.1	27.9	30.7	33.9	37.2	40.4
0°	16.2	17.0	18.6	20.2	22.6	25.1	27.9	30.7	33.9	37.2	40.4
-1.25°	16.2	17.0	18.6	20.2	22.6	25.1	27.9	30.7	33.9	37.2	40.4
-2.5°	16.2	17.0	18.6	20.2	22.6	25.1	27.9	30.6	33.9	37.1	40.3
-3.75°	16.2	17.0	18.6	20.2	22.6	25.0	27.8	30.6	33.8	37.1	40.2
-5°	16.2	17.0	18.5	20.1	22.5	24.9	27.7	30.5	33.7	36.9	40.1
-6.25°	16.1	16.9	18.5	20.1	22.4	24.9	27.6	30.4	33.6	36.8	40.0
-7.5°	16.1	16.9	18.4	20.0	22.3	24.8	27.5	30.2	33.4	36.6	39.8
-8.75°	16.1	16.9	18.4	19.9	22.2	24.6	27.3	30.1	33.2	36.4	39.6
-10°	16.1	16.9	18.3	19.8	22.1	24.5	27.1	29.9	33.0	36.1	39.3
-11.25°	16.0	16.8	18.2	19.8	21.9	24.3	26.9	29.7	32.7	35.9	39.0
-12.5°	16.0	16.8	18.1	19.7	21.7	24.1	26.7	29.4	32.4	35.6	38.7
-13.75°	15.9	16.7	18.0	19.5	21.6	23.9	26.5	29.2	32.1	35.2	38.3
-15°	15.9	16.7	17.9	19.4	21.4	23.7	26.2	28.9	31.7	34.8	37.9
-16.25°	15.8	16.6	17.7	19.3	21.1	23.5	25.9	28.6	31.3	34.4	37.5
-17.5°	15.8	16.5	17.6	19.1	20.9	23.2	25.6	28.2	30.9	34.0	37.1
-18.75°	15.7	16.5	17.5	19.0	20.6	22.9	25.3	27.9	30.5	33.5	36.6
-20°	15.7	16.4	17.3	18.8	20.4	22.6	24.9	27.5	30.1	33.0	36.1
-21.25°	15.6	16.3	17.2	18.6	20.1	22.3	24.6	27.1	29.7	32.5	35.5



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	15.5	16.3	17.0	18.4	19.9	22.0	24.2	26.7	29.2	32.0	34.9
-23.75°	15.4	16.2	16.9	18.2	19.7	21.7	23.9	26.2	28.8	31.4	34.3
-25°	15.3	16.1	16.8	18.0	19.5	21.3	23.5	25.8	28.3	30.8	33.6
-26.25°	15.2	16.0	16.7	17.8	19.2	20.9	23.1	25.3	27.7	30.2	33.0
-27.5°	15.1	15.9	16.6	17.6	19.0	20.5	22.7	24.8	27.2	29.6	32.3
-28.75°	14.9	15.8	16.5	17.4	18.8	20.1	22.2	24.3	26.6	29.0	31.5
-30°	14.8	15.7	16.4	17.1	18.5	19.9	21.8	23.8	26.0	28.4	30.8
-31.25°	14.6	15.6	16.3	16.9	18.2	19.6	21.3	23.3	25.4	27.7	30.1
-32.5°	14.5	15.5	16.1	16.8	17.9	19.3	20.8	22.8	24.8	27.1	29.4
-33.75°	14.3	15.3	16.0	16.7	17.6	18.9	20.3	22.3	24.2	26.4	28.6
-35°	14.1	15.1	15.9	16.5	17.3	18.6	19.9	21.7	23.7	25.7	27.9
-36.25°	14.0	14.9	15.7	16.4	17.0	18.3	19.6	21.1	23.0	25.0	27.1
-37.5°	13.8	14.7	15.6	16.2	16.9	18.0	19.2	20.5	22.4	24.3	26.3
-38.75°	13.6	14.5	15.5	16.1	16.7	17.6	18.8	20.0	21.8	23.6	25.5
-40°	13.4	14.3	15.3	15.9	16.5	17.2	18.4	19.6	21.1	22.9	24.7
-41.25°	13.2	14.1	15.0	15.8	16.4	16.9	18.0	19.2	20.4	22.2	24.0
-42.5°	13.0	13.9	14.8	15.6	16.2	16.7	17.6	18.8	19.9	21.5	23.2
-43.75°	12.8	13.7	14.6	15.4	16.0	16.6	17.2	18.3	19.4	20.7	22.4
-45°	12.5	13.4	14.3	15.2	15.8	16.4	16.9	17.9	19.0	20.1	21.6
-46.25°	12.2	13.2	14.1	14.9	15.6	16.2	16.7	17.4	18.5	19.6	20.8
-47.5°	11.9	13.0	13.8	14.6	15.4	16.0	16.5	17.0	18.0	19.0	20.1
-48.75°	11.6	12.7	13.5	14.3	15.1	15.7	16.2	16.8	17.5	18.5	19.5
-50°	11.3	12.4	13.3	14.0	14.8	15.5	16.0	16.5	17.0	18.0	18.9
-51.25°	11.1	12.0	13.0	13.7	14.5	15.3	15.8	16.3	16.7	17.4	18.4
-52.5°	10.7	11.7	12.7	13.4	14.2	14.9	15.6	16.0	16.5	16.9	17.8
-53.75°	10.4	11.4	12.3	13.1	13.9	14.6	15.3	15.8	16.2	16.7	17.2
-55°	10.1	11.0	11.9	12.8	13.5	14.2	14.9	15.5	15.9	16.4	16.8
-56.25°	9.8	10.7	11.5	12.4	13.2	13.9	14.5	15.2	15.7	16.1	16.5
-57.5°	9.5	10.3	11.2	12.0	12.8	13.5	14.1	14.8	15.4	15.8	16.2
-58.75°	9.2	10.0	10.8	11.6	12.4	13.1	13.7	14.4	15.0	15.5	15.9
-60°	8.8	9.6	10.4	11.2	11.9	12.7	13.3	13.9	14.5	15.1	15.6
-61.25°	8.5	9.3	10.0	10.7	11.5	12.2	12.9	13.5	14.1	14.6	15.2
-62.5°	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.6	14.2	14.7
-63.75°	7.8	8.5	9.2	9.9	10.6	11.2	11.9	12.6	13.2	13.7	14.2
-65°	7.5	8.1	8.8	9.4	10.1	10.7	11.4	12.0	12.6	13.2	13.7
-66.25°	7.1	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2
-67.5°	6.8	7.4	8.0	8.6	9.1	9.7	10.3	10.9	11.4	12.0	12.6
-68.75°	6.4	7.0	7.6	8.1	8.7	9.2	9.8	10.3	10.8	11.4	11.9
-70°	5.9	6.6	7.1	7.7	8.2	8.7	9.2	9.7	10.2	10.7	11.2
-71.25°	5.5	6.1	6.7	7.2	7.7	8.2	8.7	9.1	9.6	10.1	10.6
-72.5°	5.0	5.6	6.2	6.7	7.2	7.7	8.1	8.6	9.0	9.4	9.9
-73.75°	4.6	5.1	5.7	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.2
-75°	4.1	4.6	5.1	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.5
-76.25°	3.6	4.1	4.6	5.0	5.5	5.9	6.4	6.8	7.1	7.5	7.8
-77.5°	3.1	3.6	4.0	4.4	4.8	5.3	5.7	6.1	6.5	6.8	7.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.7	3.0	3.4	3.8	4.2	4.6	4.9	5.3	5.7	6.1	6.4
-80°	2.3	2.5	2.9	3.2	3.5	3.9	4.2	4.5	4.9	5.2	5.5
-81.25°	2.0	2.2	2.3	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6
-82.5°	1.7	1.9	2.0	2.2	2.3	2.5	2.7	3.0	3.2	3.5	3.7
-83.75°	1.4	1.6	1.7	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.8
-85°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-86.25°	0.9	0.9	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6
-87.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-88.75°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
85°	2.2	2.3	2.4	2.5	2.7	2.9	3.0	3.1	3.3	3.4	3.6
83.75°	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9
82.5°	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.6	5.8	6.0	6.2
81.25°	4.9	5.2	5.5	5.7	6.0	6.3	6.5	6.7	6.9	7.1	7.3
80°	5.8	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.9	8.1	8.3
78.75°	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1	9.3
77.5°	7.4	7.7	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.1	10.3
76.25°	8.2	8.5	8.8	9.2	9.5	9.8	10.1	10.4	10.7	11.1	11.3
75°	8.9	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.7	12.0	12.4
73.75°	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.3	12.7	13.0	13.3
72.5°	10.3	10.7	11.2	11.6	12.0	12.4	12.8	13.1	13.4	13.7	14.0
71.25°	11.0	11.5	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.5	14.8
70°	11.7	12.2	12.7	13.1	13.5	13.9	14.2	14.6	14.9	15.3	15.5
68.75°	12.4	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.6	15.8	16.0
67.5°	13.1	13.5	13.9	14.4	14.8	15.2	15.5	15.8	16.0	16.3	16.5
66.25°	13.6	14.1	14.5	15.0	15.4	15.7	15.9	16.2	16.5	16.7	17.0
65°	14.2	14.6	15.1	15.5	15.8	16.1	16.4	16.7	16.9	17.4	18.0
63.75°	14.7	15.2	15.6	15.9	16.2	16.5	16.8	17.2	17.8	18.4	18.9
62.5°	15.2	15.6	15.9	16.3	16.6	16.9	17.5	18.1	18.7	19.3	19.9
61.25°	15.6	16.0	16.3	16.6	17.0	17.6	18.3	19.0	19.6	20.2	21.2
60°	15.9	16.3	16.7	17.0	17.7	18.4	19.1	19.8	20.6	21.6	22.6
58.75°	16.3	16.6	17.0	17.8	18.5	19.2	20.0	20.9	22.0	23.0	24.1
57.5°	16.6	17.0	17.7	18.5	19.3	20.0	21.1	22.2	23.3	24.4	25.6
56.25°	16.9	17.6	18.4	19.2	20.0	21.1	22.3	23.5	24.6	25.9	27.2
55°	17.5	18.3	19.1	20.0	21.1	22.3	23.5	24.8	26.1	27.4	28.8
53.75°	18.1	19.0	19.8	20.9	22.2	23.5	24.8	26.1	27.6	29.0	30.3
52.5°	18.7	19.6	20.6	22.0	23.3	24.6	26.1	27.6	29.0	30.5	32.1
51.25°	19.3	20.2	21.6	23.0	24.4	25.9	27.4	29.0	30.5	32.2	33.9
50°	19.9	21.2	22.6	24.1	25.6	27.2	28.8	30.3	32.1	33.9	35.7
48.75°	20.6	22.1	23.6	25.1	26.8	28.4	30.1	31.9	33.7	35.6	37.4
47.5°	21.5	23.1	24.6	26.3	28.0	29.7	31.5	33.4	35.3	37.2	39.1
46.25°	22.4	24.0	25.6	27.4	29.2	30.9	33.0	35.0	36.9	38.9	40.8
45°	23.3	24.9	26.7	28.5	30.3	32.3	34.4	36.5	38.5	40.5	42.4
43.75°	24.1	25.8	27.7	29.6	31.6	33.7	35.8	37.9	40.0	42.0	43.9
42.5°	24.9	26.8	28.8	30.7	32.9	35.1	37.2	39.4	41.5	43.6	44.9
41.25°	25.8	27.8	29.8	31.9	34.1	36.4	38.6	40.8	42.9	44.5	45.9
40°	26.7	28.7	30.8	33.1	35.4	37.7	39.9	42.2	44.1	45.5	46.9
38.75°	27.6	29.7	31.9	34.2	36.6	38.9	41.2	43.5	45.0	46.4	47.9
37.5°	28.4	30.5	33.0	35.4	37.8	40.2	42.5	44.4	45.9	47.3	49.0
36.25°	29.3	31.5	34.0	36.5	38.9	41.3	43.7	45.2	46.7	48.3	50.0
35°	30.1	32.5	35.1	37.6	40.0	42.5	44.5	46.0	47.6	49.3	51.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	30.9	33.5	36.1	38.6	41.1	43.6	45.2	46.8	48.5	50.3	52.1
32.5°	31.8	34.4	37.0	39.6	42.2	44.3	45.9	47.6	49.4	51.3	52.7
31.25°	32.7	35.3	38.0	40.6	43.2	45.0	46.7	48.4	50.3	52.2	53.1
30°	33.5	36.2	38.9	41.5	44.0	45.7	47.3	49.2	51.2	52.7	53.4
28.75°	34.3	37.0	39.8	42.5	44.6	46.3	48.1	50.1	52.0	53.0	53.7
27.5°	35.1	37.9	40.6	43.3	45.2	46.9	48.8	50.8	52.6	53.3	54.0
26.25°	35.8	38.6	41.4	44.0	45.7	47.5	49.5	51.6	52.9	53.6	54.2
25°	36.5	39.4	42.2	44.5	46.3	48.1	50.2	52.3	53.2	53.9	54.2
23.75°	37.2	40.1	42.9	45.0	46.8	48.8	50.9	52.7	53.4	54.2	54.2
22.5°	37.8	40.7	43.6	45.5	47.3	49.4	51.5	52.9	53.7	54.2	54.2
21.25°	38.5	41.4	44.1	45.9	47.8	50.0	52.1	53.1	53.9	54.2	54.2
20°	39.0	42.0	44.5	46.3	48.3	50.5	52.6	53.4	54.1	54.2	54.2
18.75°	39.6	42.6	44.8	46.8	48.8	51.0	52.8	53.6	54.2	54.2	54.2
17.5°	40.1	43.1	45.2	47.1	49.3	51.5	53.0	53.7	54.2	54.2	54.2
16.25°	40.6	43.6	45.5	47.5	49.7	52.0	53.1	53.9	54.2	54.2	54.2
15°	41.0	43.9	45.9	47.8	50.1	52.4	53.3	54.1	54.2	54.2	54.2
13.75°	41.4	44.2	46.2	48.2	50.5	52.6	53.4	54.2	54.2	54.2	54.2
12.5°	41.8	44.4	46.4	48.5	50.8	52.7	53.6	54.2	54.2	54.2	54.2
11.25°	42.1	44.7	46.7	48.8	51.2	52.9	53.7	54.2	54.2	54.2	54.2
10°	42.4	44.9	46.9	49.1	51.4	53.0	53.8	54.2	54.2	54.2	54.2
8.75°	42.7	45.1	47.1	49.3	51.7	53.0	53.9	54.2	54.2	54.2	54.2
7.5°	42.9	45.2	47.2	49.5	51.9	53.1	54.0	54.2	54.2	54.2	54.2
6.25°	43.1	45.3	47.4	49.7	52.1	53.2	54.0	54.2	54.2	54.2	54.2
5°	43.3	45.5	47.5	49.8	52.2	53.3	54.1	54.2	54.2	54.2	54.2
3.75°	43.4	45.5	47.6	50.0	52.4	53.3	54.1	54.2	54.2	54.2	54.2
2.5°	43.5	45.6	47.6	50.0	52.4	53.3	54.2	54.2	54.2	54.2	54.2
1.25°	43.6	45.6	47.7	50.1	52.5	53.3	54.2	54.2	54.2	54.2	54.2
0°	43.6	45.7	47.7	50.1	52.5	53.4	54.2	54.2	54.2	54.2	54.2
-1.25°	43.6	45.6	47.7	50.1	52.5	53.3	54.2	54.2	54.2	54.2	54.2
-2.5°	43.5	45.6	47.6	50.0	52.4	53.3	54.2	54.2	54.2	54.2	54.2
-3.75°	43.4	45.5	47.6	50.0	52.4	53.3	54.1	54.2	54.2	54.2	54.2
-5°	43.3	45.5	47.5	49.8	52.2	53.3	54.1	54.2	54.2	54.2	54.2
-6.25°	43.1	45.3	47.4	49.7	52.1	53.2	54.0	54.2	54.2	54.2	54.2
-7.5°	42.9	45.2	47.2	49.5	51.9	53.1	54.0	54.2	54.2	54.2	54.2
-8.75°	42.7	45.1	47.1	49.3	51.7	53.0	53.9	54.2	54.2	54.2	54.2
-10°	42.4	44.9	46.9	49.1	51.4	53.0	53.8	54.2	54.2	54.2	54.2
-11.25°	42.1	44.7	46.7	48.8	51.2	52.9	53.7	54.2	54.2	54.2	54.2
-12.5°	41.8	44.4	46.4	48.5	50.8	52.7	53.6	54.2	54.2	54.2	54.2
-13.75°	41.4	44.2	46.2	48.2	50.5	52.6	53.4	54.2	54.2	54.2	54.2
-15°	41.0	43.9	45.9	47.8	50.1	52.4	53.3	54.1	54.2	54.2	54.2
-16.25°	40.6	43.6	45.5	47.5	49.7	52.0	53.1	53.9	54.2	54.2	54.2
-17.5°	40.1	43.1	45.2	47.1	49.3	51.5	53.0	53.7	54.2	54.2	54.2
-18.75°	39.6	42.6	44.8	46.8	48.8	51.0	52.8	53.6	54.2	54.2	54.2
-20°	39.0	42.0	44.5	46.3	48.3	50.5	52.6	53.4	54.1	54.2	54.2
-21.25°	38.5	41.4	44.1	45.9	47.8	50.0	52.1	53.1	53.9	54.2	54.2



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	37.8	40.7	43.6	45.5	47.3	49.4	51.5	52.9	53.7	54.2	54.2
-23.75°	37.2	40.1	42.9	45.0	46.8	48.8	50.9	52.7	53.4	54.2	54.2
-25°	36.5	39.4	42.2	44.5	46.3	48.1	50.2	52.3	53.2	53.9	54.2
-26.25°	35.8	38.6	41.4	44.0	45.7	47.5	49.5	51.6	52.9	53.6	54.2
-27.5°	35.1	37.9	40.6	43.3	45.2	46.9	48.8	50.8	52.6	53.3	54.0
-28.75°	34.3	37.0	39.8	42.5	44.6	46.3	48.1	50.1	52.0	53.0	53.7
-30°	33.5	36.2	38.9	41.5	44.0	45.7	47.3	49.2	51.2	52.7	53.4
-31.25°	32.7	35.3	38.0	40.6	43.2	45.0	46.7	48.4	50.3	52.2	53.1
-32.5°	31.8	34.4	37.0	39.6	42.2	44.3	45.9	47.6	49.4	51.3	52.7
-33.75°	30.9	33.5	36.1	38.6	41.1	43.6	45.2	46.8	48.5	50.3	52.1
-35°	30.1	32.5	35.1	37.6	40.0	42.5	44.5	46.0	47.6	49.3	51.1
-36.25°	29.3	31.5	34.0	36.5	38.9	41.3	43.7	45.2	46.7	48.3	50.0
-37.5°	28.4	30.5	33.0	35.4	37.8	40.2	42.5	44.4	45.9	47.3	49.0
-38.75°	27.6	29.7	31.9	34.2	36.6	38.9	41.2	43.5	45.0	46.4	47.9
-40°	26.7	28.7	30.8	33.1	35.4	37.7	39.9	42.2	44.1	45.5	46.9
-41.25°	25.8	27.8	29.8	31.9	34.1	36.4	38.6	40.8	42.9	44.5	45.9
-42.5°	24.9	26.8	28.8	30.7	32.9	35.1	37.2	39.4	41.5	43.6	44.9
-43.75°	24.1	25.8	27.7	29.6	31.6	33.7	35.8	37.9	40.0	42.0	43.9
-45°	23.3	24.9	26.7	28.5	30.3	32.3	34.4	36.5	38.5	40.5	42.4
-46.25°	22.4	24.0	25.6	27.4	29.2	30.9	33.0	35.0	36.9	38.9	40.8
-47.5°	21.5	23.1	24.6	26.3	28.0	29.7	31.5	33.4	35.3	37.2	39.1
-48.75°	20.6	22.1	23.6	25.1	26.8	28.4	30.1	31.9	33.7	35.6	37.4
-50°	19.9	21.2	22.6	24.1	25.6	27.2	28.8	30.3	32.1	33.9	35.7
-51.25°	19.3	20.2	21.6	23.0	24.4	25.9	27.4	29.0	30.5	32.2	33.9
-52.5°	18.7	19.6	20.6	22.0	23.3	24.6	26.1	27.6	29.0	30.5	32.1
-53.75°	18.1	19.0	19.8	20.9	22.2	23.5	24.8	26.1	27.6	29.0	30.3
-55°	17.5	18.3	19.1	20.0	21.1	22.3	23.5	24.8	26.1	27.4	28.8
-56.25°	16.9	17.6	18.4	19.2	20.0	21.1	22.3	23.5	24.6	25.9	27.2
-57.5°	16.6	17.0	17.7	18.5	19.3	20.0	21.1	22.2	23.3	24.4	25.6
-58.75°	16.3	16.6	17.0	17.8	18.5	19.2	20.0	20.9	22.0	23.0	24.1
-60°	15.9	16.3	16.7	17.0	17.7	18.4	19.1	19.8	20.6	21.6	22.6
-61.25°	15.6	16.0	16.3	16.6	17.0	17.6	18.3	19.0	19.6	20.2	21.2
-62.5°	15.2	15.6	15.9	16.3	16.6	16.9	17.5	18.1	18.7	19.3	19.9
-63.75°	14.7	15.2	15.6	15.9	16.2	16.5	16.8	17.2	17.8	18.4	18.9
-65°	14.2	14.6	15.1	15.5	15.8	16.1	16.4	16.7	16.9	17.4	18.0
-66.25°	13.6	14.1	14.5	15.0	15.4	15.7	15.9	16.2	16.5	16.7	17.0
-67.5°	13.1	13.5	13.9	14.4	14.8	15.2	15.5	15.8	16.0	16.3	16.5
-68.75°	12.4	12.9	13.3	13.7	14.1	14.5	14.9	15.3	15.6	15.8	16.0
-70°	11.7	12.2	12.7	13.1	13.5	13.9	14.2	14.6	14.9	15.3	15.5
-71.25°	11.0	11.5	11.9	12.4	12.8	13.2	13.5	13.9	14.2	14.5	14.8
-72.5°	10.3	10.7	11.2	11.6	12.0	12.4	12.8	13.1	13.4	13.7	14.0
-73.75°	9.6	10.0	10.4	10.8	11.2	11.5	11.9	12.3	12.7	13.0	13.3
-75°	8.9	9.3	9.6	10.0	10.3	10.7	11.0	11.4	11.7	12.0	12.4
-76.25°	8.2	8.5	8.8	9.2	9.5	9.8	10.1	10.4	10.7	11.1	11.3
-77.5°	7.4	7.7	8.1	8.4	8.6	8.9	9.2	9.5	9.8	10.1	10.3



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1	9.3
-80°	5.8	6.2	6.5	6.7	7.0	7.2	7.4	7.6	7.9	8.1	8.3
-81.25°	4.9	5.2	5.5	5.7	6.0	6.3	6.5	6.7	6.9	7.1	7.3
-82.5°	4.0	4.2	4.4	4.7	4.9	5.1	5.3	5.6	5.8	6.0	6.2
-83.75°	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	4.9
-85°	2.2	2.3	2.4	2.5	2.7	2.9	3.0	3.1	3.3	3.4	3.6
-86.25°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3
-87.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
86.25°	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
85°	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9
83.75°	5.1	5.2	5.4	5.5	5.7	5.9	6.0	6.1	6.3	6.4	6.5
82.5°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
81.25°	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
80°	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.2	10.4
78.75°	9.6	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.7
77.5°	10.6	10.9	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.8	13.0
76.25°	11.6	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	13.8	14.0
75°	12.7	13.0	13.2	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9
73.75°	13.5	13.8	14.1	14.3	14.6	14.8	15.0	15.3	15.5	15.6	15.7
72.5°	14.3	14.6	14.9	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4
71.25°	15.1	15.4	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.9	17.0
70°	15.7	16.0	16.2	16.4	16.6	16.7	16.9	17.2	17.6	18.0	18.3
68.75°	16.2	16.5	16.7	16.9	17.2	17.6	18.0	18.4	18.8	19.2	19.6
67.5°	16.8	17.0	17.4	17.9	18.3	18.8	19.2	19.6	20.0	20.5	21.1
66.25°	17.5	18.0	18.5	19.0	19.4	19.9	20.4	21.1	21.8	22.4	23.0
65°	18.5	19.0	19.6	20.1	20.7	21.5	22.2	22.9	23.6	24.3	25.0
63.75°	19.5	20.1	20.8	21.6	22.4	23.2	24.0	24.7	25.5	26.3	27.1
62.5°	20.6	21.5	22.4	23.3	24.1	24.9	25.8	26.7	27.6	28.4	29.3
61.25°	22.1	23.1	24.0	24.9	25.8	26.8	27.8	28.7	29.7	30.5	31.5
60°	23.6	24.6	25.6	26.7	27.7	28.8	29.8	30.8	31.9	33.0	34.0
58.75°	25.1	26.3	27.4	28.5	29.6	30.7	31.9	33.1	34.2	35.4	36.5
57.5°	26.8	28.0	29.2	30.3	31.6	32.9	34.1	35.4	36.6	37.8	38.9
56.25°	28.4	29.7	30.9	32.3	33.7	35.1	36.4	37.7	38.9	40.2	41.3
55°	30.1	31.5	33.0	34.4	35.8	37.2	38.6	39.9	41.2	42.5	43.7
53.75°	31.9	33.4	35.0	36.5	37.9	39.4	40.8	42.2	43.5	44.4	45.2
52.5°	33.7	35.3	36.9	38.5	40.0	41.5	42.9	44.1	45.0	45.9	46.7
51.25°	35.6	37.2	38.9	40.5	42.0	43.6	44.5	45.5	46.4	47.3	48.3
50°	37.4	39.1	40.8	42.4	43.9	44.9	45.9	46.9	47.9	49.0	50.0
48.75°	39.2	40.9	42.6	44.1	45.1	46.2	47.2	48.3	49.5	50.7	51.8
47.5°	40.9	42.7	44.2	45.3	46.4	47.5	48.7	49.9	51.1	52.3	52.8
46.25°	42.6	44.2	45.4	46.5	47.6	49.0	50.2	51.5	52.6	53.0	53.4
45°	44.1	45.3	46.5	47.7	49.1	50.4	51.8	52.7	53.2	53.6	54.0
43.75°	45.1	46.4	47.6	49.1	50.5	51.9	52.8	53.2	53.7	54.2	54.2
42.5°	46.2	47.5	49.0	50.4	51.9	52.8	53.3	53.8	54.2	54.2	54.2
41.25°	47.2	48.7	50.2	51.8	52.8	53.3	53.8	54.2	54.2	54.2	54.2
40°	48.3	49.9	51.5	52.7	53.2	53.8	54.2	54.2	54.2	54.2	54.2
38.75°	49.5	51.1	52.6	53.2	53.7	54.2	54.2	54.2	54.2	54.2	54.2
37.5°	50.7	52.3	53.0	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
36.25°	51.8	52.8	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.6
35°	52.6	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.5	55.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	53.0	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.5	55.0	55.5
32.5°	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.4	54.9	55.5	56.1
31.25°	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.8	55.4	56.0	56.8
30°	54.1	54.2	54.2	54.2	54.2	54.2	54.6	55.2	55.8	56.7	57.5
28.75°	54.2	54.2	54.2	54.2	54.2	54.4	55.0	55.6	56.4	57.3	58.2
27.5°	54.2	54.2	54.2	54.2	54.2	54.7	55.4	56.1	57.0	57.9	58.8
26.25°	54.2	54.2	54.2	54.2	54.4	55.1	55.7	56.7	57.6	58.5	59.5
25°	54.2	54.2	54.2	54.2	54.8	55.4	56.2	57.2	58.2	59.1	60.1
23.75°	54.2	54.2	54.2	54.4	55.1	55.8	56.7	57.7	58.7	59.7	60.7
22.5°	54.2	54.2	54.2	54.7	55.4	56.2	57.2	58.2	59.3	60.2	61.2
21.25°	54.2	54.2	54.3	55.0	55.7	56.7	57.7	58.7	59.8	60.8	61.8
20°	54.2	54.2	54.5	55.3	56.0	57.1	58.2	59.2	60.2	61.3	62.3
18.75°	54.2	54.2	54.8	55.5	56.4	57.5	58.6	59.6	60.7	61.8	62.8
17.5°	54.2	54.3	55.0	55.7	56.8	57.9	59.0	60.1	61.1	62.2	63.3
16.25°	54.2	54.5	55.2	56.0	57.2	58.3	59.4	60.5	61.5	62.6	63.7
15°	54.2	54.7	55.4	56.4	57.5	58.6	59.7	60.8	61.9	63.0	64.2
13.75°	54.2	54.8	55.6	56.6	57.8	58.9	60.0	61.2	62.3	63.4	64.6
12.5°	54.2	55.0	55.8	56.9	58.1	59.2	60.3	61.5	62.6	63.8	64.9
11.25°	54.4	55.2	56.0	57.2	58.3	59.5	60.6	61.8	62.9	64.1	65.3
10°	54.5	55.3	56.2	57.4	58.5	59.7	60.9	62.0	63.2	64.4	65.7
8.75°	54.6	55.4	56.4	57.6	58.7	59.9	61.1	62.2	63.4	64.6	66.2
7.5°	54.7	55.5	56.6	57.7	58.9	60.1	61.3	62.4	63.6	64.9	66.6
6.25°	54.8	55.6	56.7	57.9	59.1	60.2	61.4	62.6	63.8	65.1	67.0
5°	54.9	55.7	56.8	58.0	59.2	60.4	61.6	62.8	64.0	65.2	67.3
3.75°	54.9	55.7	56.9	58.1	59.3	60.5	61.7	62.9	64.1	65.3	67.6
2.5°	55.0	55.8	56.9	58.1	59.3	60.5	61.7	62.9	64.2	65.4	67.8
1.25°	55.0	55.8	57.0	58.2	59.4	60.6	61.8	63.0	64.2	65.5	67.9
0°	55.0	55.8	57.0	58.2	59.4	60.6	61.8	63.0	64.3	65.5	67.9
-1.25°	55.0	55.8	57.0	58.2	59.4	60.6	61.8	63.0	64.2	65.5	67.9
-2.5°	55.0	55.8	56.9	58.1	59.3	60.5	61.7	62.9	64.2	65.4	67.8
-3.75°	54.9	55.7	56.9	58.1	59.3	60.5	61.7	62.9	64.1	65.3	67.6
-5°	54.9	55.7	56.8	58.0	59.2	60.4	61.6	62.8	64.0	65.2	67.3
-6.25°	54.8	55.6	56.7	57.9	59.1	60.2	61.4	62.6	63.8	65.1	67.0
-7.5°	54.7	55.5	56.6	57.7	58.9	60.1	61.3	62.4	63.6	64.9	66.6
-8.75°	54.6	55.4	56.4	57.6	58.7	59.9	61.1	62.2	63.4	64.6	66.2
-10°	54.5	55.3	56.2	57.4	58.5	59.7	60.9	62.0	63.2	64.4	65.7
-11.25°	54.4	55.2	56.0	57.2	58.3	59.5	60.6	61.8	62.9	64.1	65.3
-12.5°	54.2	55.0	55.8	56.9	58.1	59.2	60.3	61.5	62.6	63.8	64.9
-13.75°	54.2	54.8	55.6	56.6	57.8	58.9	60.0	61.2	62.3	63.4	64.6
-15°	54.2	54.7	55.4	56.4	57.5	58.6	59.7	60.8	61.9	63.0	64.2
-16.25°	54.2	54.5	55.2	56.0	57.2	58.3	59.4	60.5	61.5	62.6	63.7
-17.5°	54.2	54.3	55.0	55.7	56.8	57.9	59.0	60.1	61.1	62.2	63.3
-18.75°	54.2	54.2	54.8	55.5	56.4	57.5	58.6	59.6	60.7	61.8	62.8
-20°	54.2	54.2	54.5	55.3	56.0	57.1	58.2	59.2	60.2	61.3	62.3
-21.25°	54.2	54.2	54.3	55.0	55.7	56.7	57.7	58.7	59.8	60.8	61.8



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	54.2	54.2	54.2	54.7	55.4	56.2	57.2	58.2	59.3	60.2	61.2
-23.75°	54.2	54.2	54.2	54.4	55.1	55.8	56.7	57.7	58.7	59.7	60.7
-25°	54.2	54.2	54.2	54.2	54.8	55.4	56.2	57.2	58.2	59.1	60.1
-26.25°	54.2	54.2	54.2	54.2	54.4	55.1	55.7	56.7	57.6	58.5	59.5
-27.5°	54.2	54.2	54.2	54.2	54.2	54.7	55.4	56.1	57.0	57.9	58.8
-28.75°	54.2	54.2	54.2	54.2	54.2	54.4	55.0	55.6	56.4	57.3	58.2
-30°	54.1	54.2	54.2	54.2	54.2	54.2	54.6	55.2	55.8	56.7	57.5
-31.25°	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.8	55.4	56.0	56.8
-32.5°	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.4	54.9	55.5	56.1
-33.75°	53.0	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.5	55.0	55.5
-35°	52.6	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.5	55.1
-36.25°	51.8	52.8	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.6
-37.5°	50.7	52.3	53.0	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-38.75°	49.5	51.1	52.6	53.2	53.7	54.2	54.2	54.2	54.2	54.2	54.2
-40°	48.3	49.9	51.5	52.7	53.2	53.8	54.2	54.2	54.2	54.2	54.2
-41.25°	47.2	48.7	50.2	51.8	52.8	53.3	53.8	54.2	54.2	54.2	54.2
-42.5°	46.2	47.5	49.0	50.4	51.9	52.8	53.3	53.8	54.2	54.2	54.2
-43.75°	45.1	46.4	47.6	49.1	50.5	51.9	52.8	53.2	53.7	54.2	54.2
-45°	44.1	45.3	46.5	47.7	49.1	50.4	51.8	52.7	53.2	53.6	54.0
-46.25°	42.6	44.2	45.4	46.5	47.6	49.0	50.2	51.5	52.6	53.0	53.4
-47.5°	40.9	42.7	44.2	45.3	46.4	47.5	48.7	49.9	51.1	52.3	52.8
-48.75°	39.2	40.9	42.6	44.1	45.1	46.2	47.2	48.3	49.5	50.7	51.8
-50°	37.4	39.1	40.8	42.4	43.9	44.9	45.9	46.9	47.9	49.0	50.0
-51.25°	35.6	37.2	38.9	40.5	42.0	43.6	44.5	45.5	46.4	47.3	48.3
-52.5°	33.7	35.3	36.9	38.5	40.0	41.5	42.9	44.1	45.0	45.9	46.7
-53.75°	31.9	33.4	35.0	36.5	37.9	39.4	40.8	42.2	43.5	44.4	45.2
-55°	30.1	31.5	33.0	34.4	35.8	37.2	38.6	39.9	41.2	42.5	43.7
-56.25°	28.4	29.7	30.9	32.3	33.7	35.1	36.4	37.7	38.9	40.2	41.3
-57.5°	26.8	28.0	29.2	30.3	31.6	32.9	34.1	35.4	36.6	37.8	38.9
-58.75°	25.1	26.3	27.4	28.5	29.6	30.7	31.9	33.1	34.2	35.4	36.5
-60°	23.6	24.6	25.6	26.7	27.7	28.8	29.8	30.8	31.9	33.0	34.0
-61.25°	22.1	23.1	24.0	24.9	25.8	26.8	27.8	28.7	29.7	30.5	31.5
-62.5°	20.6	21.5	22.4	23.3	24.1	24.9	25.8	26.7	27.6	28.4	29.3
-63.75°	19.5	20.1	20.8	21.6	22.4	23.2	24.0	24.7	25.5	26.3	27.1
-65°	18.5	19.0	19.6	20.1	20.7	21.5	22.2	22.9	23.6	24.3	25.0
-66.25°	17.5	18.0	18.5	19.0	19.4	19.9	20.4	21.1	21.8	22.4	23.0
-67.5°	16.8	17.0	17.4	17.9	18.3	18.8	19.2	19.6	20.0	20.5	21.1
-68.75°	16.2	16.5	16.7	16.9	17.2	17.6	18.0	18.4	18.8	19.2	19.6
-70°	15.7	16.0	16.2	16.4	16.6	16.7	16.9	17.2	17.6	18.0	18.3
-71.25°	15.1	15.4	15.6	15.8	16.0	16.2	16.4	16.5	16.7	16.9	17.0
-72.5°	14.3	14.6	14.9	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4
-73.75°	13.5	13.8	14.1	14.3	14.6	14.8	15.0	15.3	15.5	15.6	15.7
-75°	12.7	13.0	13.2	13.4	13.7	13.9	14.1	14.3	14.5	14.7	14.9
-76.25°	11.6	11.9	12.2	12.5	12.8	13.0	13.2	13.4	13.6	13.8	14.0
-77.5°	10.6	10.9	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.8	13.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	9.6	9.8	10.0	10.2	10.5	10.7	10.9	11.1	11.3	11.5	11.7
-80°	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.2	10.4
-81.25°	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
-82.5°	6.4	6.6	6.7	6.9	7.0	7.2	7.3	7.4	7.6	7.7	7.8
-83.75°	5.1	5.2	5.4	5.5	5.7	5.9	6.0	6.1	6.3	6.4	6.5
-85°	3.7	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9
-86.25°	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3
-87.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-88.75°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
86.25°	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9	4.0
85°	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9
83.75°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5
82.5°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
81.25°	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4
80°	10.6	10.7	10.9	11.0	11.2	11.3	11.4	11.6	11.7	11.8	11.9
78.75°	11.9	12.0	12.2	12.4	12.6	12.7	12.9	13.0	13.1	13.2	13.3
77.5°	13.1	13.3	13.4	13.6	13.7	13.8	14.0	14.1	14.2	14.3	14.4
76.25°	14.1	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.3	15.4	15.5
75°	15.1	15.3	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3
73.75°	15.9	16.0	16.1	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0
72.5°	16.5	16.7	16.8	16.9	17.1	17.4	17.6	17.8	18.0	18.2	18.4
71.25°	17.3	17.6	17.9	18.2	18.5	18.8	19.0	19.2	19.5	19.7	19.9
70°	18.6	18.9	19.3	19.6	19.9	20.1	20.5	20.9	21.3	21.7	22.0
68.75°	19.9	20.3	20.8	21.3	21.8	22.2	22.7	23.1	23.5	23.9	24.2
67.5°	21.7	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.2	26.7
66.25°	23.7	24.2	24.8	25.4	26.0	26.6	27.2	27.7	28.3	28.8	29.2
65°	25.7	26.4	27.1	27.7	28.4	29.0	29.6	30.2	30.8	31.4	32.0
63.75°	27.9	28.6	29.4	30.1	30.8	31.5	32.3	33.0	33.6	34.3	34.9
62.5°	30.1	30.9	31.8	32.7	33.5	34.3	35.1	35.8	36.5	37.2	37.8
61.25°	32.5	33.5	34.4	35.3	36.2	37.0	37.9	38.6	39.4	40.1	40.7
60°	35.1	36.1	37.0	38.0	38.9	39.8	40.6	41.4	42.2	42.9	43.6
58.75°	37.6	38.6	39.6	40.6	41.5	42.5	43.3	44.0	44.5	45.0	45.5
57.5°	40.0	41.1	42.2	43.2	44.0	44.6	45.2	45.7	46.3	46.8	47.3
56.25°	42.5	43.6	44.3	45.0	45.7	46.3	46.9	47.5	48.1	48.8	49.4
55°	44.5	45.2	45.9	46.7	47.3	48.1	48.8	49.5	50.2	50.9	51.5
53.75°	46.0	46.8	47.6	48.4	49.2	50.1	50.8	51.6	52.3	52.7	52.9
52.5°	47.6	48.5	49.4	50.3	51.2	52.0	52.6	52.9	53.2	53.4	53.7
51.25°	49.3	50.3	51.3	52.2	52.7	53.0	53.3	53.6	53.9	54.2	54.2
50°	51.1	52.1	52.7	53.1	53.4	53.7	54.0	54.2	54.2	54.2	54.2
48.75°	52.6	53.0	53.4	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2
47.5°	53.2	53.6	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
46.25°	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
45°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.7
43.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.8	55.1	55.4
42.5°	54.2	54.2	54.2	54.2	54.2	54.4	54.7	55.1	55.4	55.8	56.2
41.25°	54.2	54.2	54.2	54.2	54.6	55.0	55.4	55.7	56.2	56.7	57.2
40°	54.2	54.2	54.4	54.8	55.2	55.6	56.1	56.7	57.2	57.7	58.2
38.75°	54.2	54.5	54.9	55.4	55.8	56.4	57.0	57.6	58.2	58.7	59.3
37.5°	54.5	55.0	55.5	56.0	56.7	57.3	57.9	58.5	59.1	59.7	60.2
36.25°	55.1	55.5	56.1	56.8	57.5	58.2	58.8	59.5	60.1	60.7	61.2
35°	55.6	56.2	57.0	57.7	58.4	59.1	59.7	60.4	61.0	61.6	62.2



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	56.2	57.0	57.7	58.5	59.2	59.9	60.6	61.3	61.9	62.6	63.2
32.5°	57.0	57.7	58.5	59.3	60.0	60.8	61.5	62.2	62.9	63.5	64.2
31.25°	57.7	58.5	59.3	60.1	60.9	61.6	62.3	63.1	63.8	64.5	65.2
30°	58.4	59.2	60.0	60.9	61.6	62.4	63.2	64.0	64.7	65.4	66.7
28.75°	59.1	59.9	60.8	61.6	62.4	63.2	64.0	64.8	65.7	67.2	68.6
27.5°	59.7	60.6	61.5	62.3	63.2	64.0	64.9	65.9	67.4	68.9	70.5
26.25°	60.4	61.3	62.2	63.1	64.0	64.8	65.9	67.5	69.1	71.3	75.6
25°	61.0	61.9	62.9	63.8	64.7	65.7	67.4	69.1	71.5	76.1	80.6
23.75°	61.6	62.6	63.5	64.5	65.4	67.2	68.9	71.3	76.1	80.8	85.6
22.5°	62.2	63.2	64.2	65.2	66.7	68.6	70.5	75.6	80.6	85.6	91.2
21.25°	62.8	63.8	64.8	66.1	68.0	69.9	74.5	79.7	85.0	90.8	96.6
20°	63.3	64.4	65.4	67.3	69.3	72.9	78.4	83.7	89.8	95.9	102.8
18.75°	63.9	64.9	66.5	68.5	70.8	76.5	82.1	88.2	94.5	101.1	111.5
17.5°	64.4	65.5	67.5	69.6	74.1	79.9	85.9	92.5	99.0	108.6	134.0
16.25°	64.9	66.4	68.5	71.2	77.2	83.1	89.8	96.6	105.1	125.4	175.8
15°	65.3	67.3	69.4	74.0	80.1	86.5	93.5	100.5	113.6	150.8	229.3
13.75°	65.9	68.1	70.3	76.6	82.8	89.8	97.0	106.4	131.1	194.6	293.2
12.5°	66.7	68.9	72.7	79.0	85.6	92.9	100.2	114.2	157.0	244.7	359.7
11.25°	67.3	69.6	74.8	81.2	88.3	95.7	105.0	128.6	192.9	297.3	424.0
10°	67.9	70.2	76.7	83.2	90.7	98.3	109.4	143.2	231.1	350.9	487.2
8.75°	68.5	71.8	78.4	85.2	92.9	100.8	118.0	171.1	272.1	401.1	544.3
7.5°	69.0	73.2	79.9	87.0	94.8	104.1	127.8	195.6	308.1	446.7	594.6
6.25°	69.4	74.4	81.2	88.6	96.4	106.9	136.2	218.5	343.5	487.6	637.9
5°	69.7	75.4	82.2	89.8	97.8	109.2	146.6	242.7	373.2	521.6	673.8
3.75°	70.0	76.2	83.0	90.9	98.8	111.5	159.5	261.7	396.5	548.2	702.1
2.5°	70.2	76.7	83.6	91.6	99.6	115.2	168.8	275.4	413.3	567.4	722.4
1.25°	70.3	77.1	84.0	92.0	100.0	117.4	174.3	283.6	423.4	578.9	734.7
0°	70.3	77.2	84.1	92.2	100.2	118.2	176.2	286.4	426.8	582.8	738.8
-1.25°	70.3	77.1	84.0	92.0	100.0	117.4	174.3	283.6	423.4	578.9	734.7
-2.5°	70.2	76.7	83.6	91.6	99.6	115.2	168.8	275.4	413.3	567.4	722.4
-3.75°	70.0	76.2	83.0	90.9	98.8	111.5	159.5	261.7	396.5	548.2	702.1
-5°	69.7	75.4	82.2	89.8	97.8	109.2	146.6	242.7	373.2	521.6	673.8
-6.25°	69.4	74.4	81.2	88.6	96.4	106.9	136.2	218.5	343.5	487.6	637.9
-7.5°	69.0	73.2	79.9	87.0	94.8	104.1	127.8	195.6	308.1	446.7	594.6
-8.75°	68.5	71.8	78.4	85.2	92.9	100.8	118.0	171.1	272.1	401.1	544.3
-10°	67.9	70.2	76.7	83.2	90.7	98.3	109.4	143.2	231.1	350.9	487.2
-11.25°	67.3	69.6	74.8	81.2	88.3	95.7	105.0	128.6	192.9	297.3	424.0
-12.5°	66.7	68.9	72.7	79.0	85.6	92.9	100.2	114.2	157.0	244.7	359.7
-13.75°	65.9	68.1	70.3	76.6	82.8	89.8	97.0	106.4	131.1	194.6	293.2
-15°	65.3	67.3	69.4	74.0	80.1	86.5	93.5	100.5	113.6	150.8	229.3
-16.25°	64.9	66.4	68.5	71.2	77.2	83.1	89.8	96.6	105.1	125.4	175.8
-17.5°	64.4	65.5	67.5	69.6	74.1	79.9	85.9	92.5	99.0	108.6	134.0
-18.75°	63.9	64.9	66.5	68.5	70.8	76.5	82.1	88.2	94.5	101.1	111.5
-20°	63.3	64.4	65.4	67.3	69.3	72.9	78.4	83.7	89.8	95.9	102.8
-21.25°	62.8	63.8	64.8	66.1	68.0	69.9	74.5	79.7	85.0	90.8	96.6



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	62.2	63.2	64.2	65.2	66.7	68.6	70.5	75.6	80.6	85.6	91.2
-23.75°	61.6	62.6	63.5	64.5	65.4	67.2	68.9	71.3	76.1	80.8	85.6
-25°	61.0	61.9	62.9	63.8	64.7	65.7	67.4	69.1	71.5	76.1	80.6
-26.25°	60.4	61.3	62.2	63.1	64.0	64.8	65.9	67.5	69.1	71.3	75.6
-27.5°	59.7	60.6	61.5	62.3	63.2	64.0	64.9	65.9	67.4	68.9	70.5
-28.75°	59.1	59.9	60.8	61.6	62.4	63.2	64.0	64.8	65.7	67.2	68.6
-30°	58.4	59.2	60.0	60.9	61.6	62.4	63.2	64.0	64.7	65.4	66.7
-31.25°	57.7	58.5	59.3	60.1	60.9	61.6	62.3	63.1	63.8	64.5	65.2
-32.5°	57.0	57.7	58.5	59.3	60.0	60.8	61.5	62.2	62.9	63.5	64.2
-33.75°	56.2	57.0	57.7	58.5	59.2	59.9	60.6	61.3	61.9	62.6	63.2
-35°	55.6	56.2	57.0	57.7	58.4	59.1	59.7	60.4	61.0	61.6	62.2
-36.25°	55.1	55.5	56.1	56.8	57.5	58.2	58.8	59.5	60.1	60.7	61.2
-37.5°	54.5	55.0	55.5	56.0	56.7	57.3	57.9	58.5	59.1	59.7	60.2
-38.75°	54.2	54.5	54.9	55.4	55.8	56.4	57.0	57.6	58.2	58.7	59.3
-40°	54.2	54.2	54.4	54.8	55.2	55.6	56.1	56.7	57.2	57.7	58.2
-41.25°	54.2	54.2	54.2	54.2	54.6	55.0	55.4	55.7	56.2	56.7	57.2
-42.5°	54.2	54.2	54.2	54.2	54.2	54.4	54.7	55.1	55.4	55.8	56.2
-43.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.8	55.1	55.4
-45°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.7
-46.25°	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-47.5°	53.2	53.6	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-48.75°	52.6	53.0	53.4	53.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2
-50°	51.1	52.1	52.7	53.1	53.4	53.7	54.0	54.2	54.2	54.2	54.2
-51.25°	49.3	50.3	51.3	52.2	52.7	53.0	53.3	53.6	53.9	54.2	54.2
-52.5°	47.6	48.5	49.4	50.3	51.2	52.0	52.6	52.9	53.2	53.4	53.7
-53.75°	46.0	46.8	47.6	48.4	49.2	50.1	50.8	51.6	52.3	52.7	52.9
-55°	44.5	45.2	45.9	46.7	47.3	48.1	48.8	49.5	50.2	50.9	51.5
-56.25°	42.5	43.6	44.3	45.0	45.7	46.3	46.9	47.5	48.1	48.8	49.4
-57.5°	40.0	41.1	42.2	43.2	44.0	44.6	45.2	45.7	46.3	46.8	47.3
-58.75°	37.6	38.6	39.6	40.6	41.5	42.5	43.3	44.0	44.5	45.0	45.5
-60°	35.1	36.1	37.0	38.0	38.9	39.8	40.6	41.4	42.2	42.9	43.6
-61.25°	32.5	33.5	34.4	35.3	36.2	37.0	37.9	38.6	39.4	40.1	40.7
-62.5°	30.1	30.9	31.8	32.7	33.5	34.3	35.1	35.8	36.5	37.2	37.8
-63.75°	27.9	28.6	29.4	30.1	30.8	31.5	32.3	33.0	33.6	34.3	34.9
-65°	25.7	26.4	27.1	27.7	28.4	29.0	29.6	30.2	30.8	31.4	32.0
-66.25°	23.7	24.2	24.8	25.4	26.0	26.6	27.2	27.7	28.3	28.8	29.2
-67.5°	21.7	22.3	22.8	23.3	23.8	24.3	24.8	25.3	25.8	26.2	26.7
-68.75°	19.9	20.3	20.8	21.3	21.8	22.2	22.7	23.1	23.5	23.9	24.2
-70°	18.6	18.9	19.3	19.6	19.9	20.1	20.5	20.9	21.3	21.7	22.0
-71.25°	17.3	17.6	17.9	18.2	18.5	18.8	19.0	19.2	19.5	19.7	19.9
-72.5°	16.5	16.7	16.8	16.9	17.1	17.4	17.6	17.8	18.0	18.2	18.4
-73.75°	15.9	16.0	16.1	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0
-75°	15.1	15.3	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3
-76.25°	14.1	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.3	15.4	15.5
-77.5°	13.1	13.3	13.4	13.6	13.7	13.8	14.0	14.1	14.2	14.3	14.4



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	11.9	12.0	12.2	12.4	12.6	12.7	12.9	13.0	13.1	13.2	13.3
-80°	10.6	10.7	10.9	11.0	11.2	11.3	11.4	11.6	11.7	11.8	11.9
-81.25°	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4
-82.5°	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
-83.75°	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.4	7.5
-85°	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9
-86.25°	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.8	3.9	3.9	4.0
-87.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-88.75°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
86.25°	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4
85°	5.9	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4
83.75°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
82.5°	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6
81.25°	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2
80°	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.7
78.75°	13.4	13.5	13.5	13.6	13.7	13.8	13.8	13.9	13.9	14.0	14.0
77.5°	14.5	14.6	14.7	14.8	14.9	15.0	15.0	15.1	15.2	15.2	15.3
76.25°	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.1
75°	16.3	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.8	16.9	16.9
73.75°	17.2	17.3	17.5	17.6	17.7	17.9	18.0	18.1	18.2	18.3	18.4
72.5°	18.6	18.8	19.0	19.1	19.3	19.4	19.5	19.7	19.8	19.8	19.9
71.25°	20.1	20.4	20.6	20.9	21.1	21.4	21.6	21.7	21.9	22.1	22.2
70°	22.3	22.6	22.9	23.2	23.5	23.7	23.9	24.1	24.3	24.5	24.6
68.75°	24.6	24.9	25.3	25.6	25.9	26.2	26.5	26.7	26.9	27.1	27.3
67.5°	27.1	27.5	27.9	28.2	28.6	28.9	29.2	29.4	29.7	29.9	30.1
66.25°	29.7	30.1	30.5	30.9	31.3	31.7	32.1	32.4	32.7	33.0	33.2
65°	32.5	33.0	33.5	34.0	34.4	34.8	35.2	35.6	35.9	36.1	36.4
63.75°	35.5	36.1	36.6	37.1	37.5	37.9	38.3	38.7	39.0	39.3	39.6
62.5°	38.5	39.0	39.6	40.1	40.6	41.0	41.4	41.8	42.1	42.4	42.7
61.25°	41.4	42.0	42.6	43.1	43.6	43.9	44.2	44.4	44.7	44.9	45.1
60°	44.1	44.5	44.8	45.2	45.5	45.9	46.2	46.4	46.7	46.9	47.1
58.75°	45.9	46.3	46.8	47.1	47.5	47.8	48.2	48.5	48.8	49.1	49.3
57.5°	47.8	48.3	48.8	49.3	49.7	50.1	50.5	50.8	51.2	51.4	51.7
56.25°	50.0	50.5	51.0	51.5	52.0	52.4	52.6	52.7	52.9	53.0	53.0
55°	52.1	52.6	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.8	53.9
53.75°	53.1	53.4	53.6	53.7	53.9	54.1	54.2	54.2	54.2	54.2	54.2
52.5°	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
48.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.5	54.6
47.5°	54.2	54.2	54.2	54.3	54.5	54.7	54.8	55.0	55.2	55.3	55.4
46.25°	54.3	54.5	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4
45°	55.0	55.3	55.5	55.7	56.0	56.4	56.6	56.9	57.2	57.4	57.6
43.75°	55.7	56.0	56.4	56.8	57.2	57.5	57.8	58.1	58.3	58.5	58.7
42.5°	56.7	57.1	57.5	57.9	58.3	58.6	58.9	59.2	59.5	59.7	59.9
41.25°	57.7	58.2	58.6	59.0	59.4	59.7	60.0	60.3	60.6	60.9	61.1
40°	58.7	59.2	59.6	60.1	60.5	60.8	61.2	61.5	61.8	62.0	62.2
38.75°	59.8	60.2	60.7	61.1	61.5	61.9	62.3	62.6	62.9	63.2	63.4
37.5°	60.8	61.3	61.8	62.2	62.6	63.0	63.4	63.8	64.1	64.4	64.6
36.25°	61.8	62.3	62.8	63.3	63.7	64.2	64.6	64.9	65.3	65.7	66.2
35°	62.8	63.3	63.9	64.4	64.9	65.3	65.9	66.7	67.3	67.9	68.5



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	63.8	64.4	64.9	65.5	66.4	67.3	68.1	68.9	69.6	70.2	71.8
32.5°	64.8	65.4	66.5	67.5	68.5	69.4	70.3	72.7	74.8	76.7	78.4
31.25°	66.1	67.3	68.5	69.6	71.2	74.0	76.6	79.0	81.2	83.2	85.2
30°	68.0	69.3	70.8	74.1	77.2	80.1	82.8	85.6	88.3	90.7	92.9
28.75°	69.9	72.9	76.5	79.9	83.1	86.5	89.8	92.9	95.7	98.3	100.8
27.5°	74.5	78.4	82.1	85.9	89.8	93.5	97.0	100.2	105.0	109.4	118.0
26.25°	79.7	83.7	88.2	92.5	96.6	100.5	106.4	114.2	128.6	143.2	171.1
25°	85.0	89.8	94.5	99.0	105.1	113.6	131.1	157.0	192.9	231.1	272.1
23.75°	90.8	95.9	101.1	108.6	125.4	150.8	194.6	244.7	297.3	350.9	401.1
22.5°	96.6	102.8	111.5	134.0	175.8	229.3	293.2	359.7	424.0	487.2	544.3
21.25°	103.4	114.9	139.1	192.7	259.5	333.3	411.0	488.4	561.4	628.2	688.4
20°	114.9	141.2	201.2	277.7	362.3	450.0	537.9	620.4	697.2	756.4	795.4
18.75°	139.1	201.2	283.8	377.0	474.4	571.3	663.4	745.7	795.2	840.7	881.9
17.5°	192.7	277.7	377.0	482.6	588.2	689.5	767.7	823.4	875.5	923.7	960.0
16.25°	259.5	362.3	474.4	588.2	698.3	778.7	840.6	899.2	949.4	990.4	1035.6
15°	333.3	450.0	571.3	689.5	778.7	846.4	911.2	964.4	1015.4	1068.5	1124.1
13.75°	411.0	537.9	663.4	767.7	840.6	911.2	969.4	1028.1	1091.4	1157.4	1236.8
12.5°	488.4	620.4	745.7	823.4	899.2	964.4	1028.1	1099.1	1179.0	1273.0	1399.2
11.25°	561.4	697.2	795.2	875.5	949.4	1015.4	1091.4	1179.0	1289.9	1434.9	1602.1
10°	628.2	756.4	840.7	923.7	990.4	1068.5	1157.4	1273.0	1434.9	1625.7	1852.6
8.75°	688.4	795.4	881.9	960.0	1035.6	1124.1	1236.8	1399.2	1602.1	1852.6	2152.8
7.5°	740.6	829.9	918.6	991.5	1077.8	1181.8	1329.3	1532.4	1787.7	2108.1	2513.8
6.25°	768.6	859.7	946.3	1024.5	1118.5	1240.3	1422.9	1661.1	1976.7	2384.0	2927.9
5°	791.9	884.5	967.5	1052.1	1153.2	1301.1	1518.1	1800.3	2171.3	2675.3	3368.1
3.75°	810.3	904.1	984.4	1075.3	1189.4	1359.4	1596.8	1912.3	2347.9	2970.8	3813.5
2.5°	823.5	918.2	997.7	1093.5	1215.8	1401.9	1656.2	2014.2	2506.3	3212.8	4156.9
1.25°	831.5	926.7	1006.6	1104.5	1231.8	1427.7	1701.8	2078.4	2603.6	3362.2	4390.0
0°	834.2	929.6	1009.6	1108.3	1237.1	1436.4	1717.1	2100.1	2636.4	3412.8	4473.1
-1.25°	831.5	926.7	1006.6	1104.5	1231.8	1427.7	1701.8	2078.4	2603.6	3362.2	4390.0
-2.5°	823.5	918.2	997.7	1093.5	1215.8	1401.9	1656.2	2014.2	2506.3	3212.8	4156.9
-3.75°	810.3	904.1	984.4	1075.3	1189.4	1359.4	1596.8	1912.3	2347.9	2970.8	3813.5
-5°	791.9	884.5	967.5	1052.1	1153.2	1301.1	1518.1	1800.3	2171.3	2675.3	3368.1
-6.25°	768.6	859.7	946.3	1024.5	1118.5	1240.3	1422.9	1661.1	1976.7	2384.0	2927.9
-7.5°	740.6	829.9	918.6	991.5	1077.8	1181.8	1329.3	1532.4	1787.7	2108.1	2513.8
-8.75°	688.4	795.4	881.9	960.0	1035.6	1124.1	1236.8	1399.2	1602.1	1852.6	2152.8
-10°	628.2	756.4	840.7	923.7	990.4	1068.5	1157.4	1273.0	1434.9	1625.7	1852.6
-11.25°	561.4	697.2	795.2	875.5	949.4	1015.4	1091.4	1179.0	1289.9	1434.9	1602.1
-12.5°	488.4	620.4	745.7	823.4	899.2	964.4	1028.1	1099.1	1179.0	1273.0	1399.2
-13.75°	411.0	537.9	663.4	767.7	840.6	911.2	969.4	1028.1	1091.4	1157.4	1236.8
-15°	333.3	450.0	571.3	689.5	778.7	846.4	911.2	964.4	1015.4	1068.5	1124.1
-16.25°	259.5	362.3	474.4	588.2	698.3	778.7	840.6	899.2	949.4	990.4	1035.6
-17.5°	192.7	277.7	377.0	482.6	588.2	689.5	767.7	823.4	875.5	923.7	960.0
-18.75°	139.1	201.2	283.8	377.0	474.4	571.3	663.4	745.7	795.2	840.7	881.9
-20°	114.9	141.2	201.2	277.7	362.3	450.0	537.9	620.4	697.2	756.4	795.4
-21.25°	103.4	114.9	139.1	192.7	259.5	333.3	411.0	488.4	561.4	628.2	688.4



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	96.6	102.8	111.5	134.0	175.8	229.3	293.2	359.7	424.0	487.2	544.3
-23.75°	90.8	95.9	101.1	108.6	125.4	150.8	194.6	244.7	297.3	350.9	401.1
-25°	85.0	89.8	94.5	99.0	105.1	113.6	131.1	157.0	192.9	231.1	272.1
-26.25°	79.7	83.7	88.2	92.5	96.6	100.5	106.4	114.2	128.6	143.2	171.1
-27.5°	74.5	78.4	82.1	85.9	89.8	93.5	97.0	100.2	105.0	109.4	118.0
-28.75°	69.9	72.9	76.5	79.9	83.1	86.5	89.8	92.9	95.7	98.3	100.8
-30°	68.0	69.3	70.8	74.1	77.2	80.1	82.8	85.6	88.3	90.7	92.9
-31.25°	66.1	67.3	68.5	69.6	71.2	74.0	76.6	79.0	81.2	83.2	85.2
-32.5°	64.8	65.4	66.5	67.5	68.5	69.4	70.3	72.7	74.8	76.7	78.4
-33.75°	63.8	64.4	64.9	65.5	66.4	67.3	68.1	68.9	69.6	70.2	71.8
-35°	62.8	63.3	63.9	64.4	64.9	65.3	65.9	66.7	67.3	67.9	68.5
-36.25°	61.8	62.3	62.8	63.3	63.7	64.2	64.6	64.9	65.3	65.7	66.2
-37.5°	60.8	61.3	61.8	62.2	62.6	63.0	63.4	63.8	64.1	64.4	64.6
-38.75°	59.8	60.2	60.7	61.1	61.5	61.9	62.3	62.6	62.9	63.2	63.4
-40°	58.7	59.2	59.6	60.1	60.5	60.8	61.2	61.5	61.8	62.0	62.2
-41.25°	57.7	58.2	58.6	59.0	59.4	59.7	60.0	60.3	60.6	60.9	61.1
-42.5°	56.7	57.1	57.5	57.9	58.3	58.6	58.9	59.2	59.5	59.7	59.9
-43.75°	55.7	56.0	56.4	56.8	57.2	57.5	57.8	58.1	58.3	58.5	58.7
-45°	55.0	55.3	55.5	55.7	56.0	56.4	56.6	56.9	57.2	57.4	57.6
-46.25°	54.3	54.5	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4
-47.5°	54.2	54.2	54.2	54.3	54.5	54.7	54.8	55.0	55.2	55.3	55.4
-48.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	54.5	54.6
-50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-52.5°	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-53.75°	53.1	53.4	53.6	53.7	53.9	54.1	54.2	54.2	54.2	54.2	54.2
-55°	52.1	52.6	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.8	53.9
-56.25°	50.0	50.5	51.0	51.5	52.0	52.4	52.6	52.7	52.9	53.0	53.0
-57.5°	47.8	48.3	48.8	49.3	49.7	50.1	50.5	50.8	51.2	51.4	51.7
-58.75°	45.9	46.3	46.8	47.1	47.5	47.8	48.2	48.5	48.8	49.1	49.3
-60°	44.1	44.5	44.8	45.2	45.5	45.9	46.2	46.4	46.7	46.9	47.1
-61.25°	41.4	42.0	42.6	43.1	43.6	43.9	44.2	44.4	44.7	44.9	45.1
-62.5°	38.5	39.0	39.6	40.1	40.6	41.0	41.4	41.8	42.1	42.4	42.7
-63.75°	35.5	36.1	36.6	37.1	37.5	37.9	38.3	38.7	39.0	39.3	39.6
-65°	32.5	33.0	33.5	34.0	34.4	34.8	35.2	35.6	35.9	36.1	36.4
-66.25°	29.7	30.1	30.5	30.9	31.3	31.7	32.1	32.4	32.7	33.0	33.2
-67.5°	27.1	27.5	27.9	28.2	28.6	28.9	29.2	29.4	29.7	29.9	30.1
-68.75°	24.6	24.9	25.3	25.6	25.9	26.2	26.5	26.7	26.9	27.1	27.3
-70°	22.3	22.6	22.9	23.2	23.5	23.7	23.9	24.1	24.3	24.5	24.6
-71.25°	20.1	20.4	20.6	20.9	21.1	21.4	21.6	21.7	21.9	22.1	22.2
-72.5°	18.6	18.8	19.0	19.1	19.3	19.4	19.5	19.7	19.8	19.8	19.9
-73.75°	17.2	17.3	17.5	17.6	17.7	17.9	18.0	18.1	18.2	18.3	18.4
-75°	16.3	16.4	16.5	16.5	16.6	16.7	16.7	16.8	16.8	16.9	16.9
-76.25°	15.6	15.7	15.7	15.8	15.8	15.9	15.9	16.0	16.0	16.1	16.1
-77.5°	14.5	14.6	14.7	14.8	14.9	15.0	15.0	15.1	15.2	15.2	15.3



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	13.4	13.5	13.5	13.6	13.7	13.8	13.8	13.9	13.9	14.0	14.0
-80°	12.0	12.1	12.2	12.3	12.4	12.5	12.5	12.6	12.7	12.7	12.7
-81.25°	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2
-82.5°	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.6
-83.75°	7.6	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	8.0	8.0
-85°	5.9	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4
-86.25°	4.0	4.1	4.1	4.2	4.2	4.2	4.3	4.3	4.3	4.4	4.4
-87.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
86.25°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4
85°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
83.75°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
81.25°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
80°	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
78.75°	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.1	14.1
77.5°	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4
76.25°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
75°	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
73.75°	18.4	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.5
72.5°	20.0	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1
71.25°	22.3	22.4	22.5	22.6	22.6	22.6	22.7	22.6	22.6	22.6	22.5
70°	24.8	24.9	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.0	24.9
68.75°	27.5	27.6	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.7
67.5°	30.2	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.6	30.6	30.5
66.25°	33.4	33.6	33.7	33.8	33.9	33.9	34.0	33.9	33.9	33.8	33.7
65°	36.6	36.8	36.9	37.1	37.1	37.2	37.2	37.2	37.1	37.1	36.9
63.75°	39.8	40.0	40.1	40.2	40.3	40.4	40.4	40.4	40.3	40.2	40.1
62.5°	42.9	43.1	43.3	43.4	43.5	43.6	43.6	43.6	43.5	43.4	43.3
61.25°	45.2	45.3	45.5	45.5	45.6	45.6	45.7	45.6	45.6	45.5	45.5
60°	47.2	47.4	47.5	47.6	47.6	47.7	47.7	47.7	47.6	47.6	47.5
58.75°	49.5	49.7	49.8	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.8
57.5°	51.9	52.1	52.2	52.4	52.4	52.5	52.5	52.5	52.4	52.4	52.2
56.25°	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.3	53.3	53.3	53.3
55°	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.1	54.1
53.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
52.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
48.75°	54.7	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	54.9	54.9
47.5°	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.7
46.25°	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.0	56.9	56.9	56.8
45°	57.7	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.1	58.1	58.0
43.75°	58.9	59.1	59.2	59.3	59.3	59.4	59.4	59.4	59.3	59.3	59.2
42.5°	60.1	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.5	60.5	60.4
41.25°	61.3	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.7	61.7	61.6
40°	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.0	62.9	62.9	62.8
38.75°	63.6	63.8	64.0	64.1	64.2	64.2	64.3	64.2	64.2	64.1	64.0
37.5°	64.9	65.1	65.2	65.3	65.4	65.5	65.5	65.5	65.4	65.3	65.2
36.25°	66.6	67.0	67.3	67.6	67.8	67.9	67.9	67.9	67.8	67.6	67.3
35°	69.0	69.4	69.7	70.0	70.2	70.3	70.3	70.3	70.2	70.0	69.7



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	73.2	74.4	75.4	76.2	76.7	77.1	77.2	77.1	76.7	76.2	75.4
32.5°	79.9	81.2	82.2	83.0	83.6	84.0	84.1	84.0	83.6	83.0	82.2
31.25°	87.0	88.6	89.8	90.9	91.6	92.0	92.2	92.0	91.6	90.9	89.8
30°	94.8	96.4	97.8	98.8	99.6	100.0	100.2	100.0	99.6	98.8	97.8
28.75°	104.1	106.9	109.2	111.5	115.2	117.4	118.2	117.4	115.2	111.5	109.2
27.5°	127.8	136.2	146.6	159.5	168.8	174.3	176.2	174.3	168.8	159.5	146.6
26.25°	195.6	218.5	242.7	261.7	275.4	283.6	286.4	283.6	275.4	261.7	242.7
25°	308.1	343.5	373.2	396.5	413.3	423.4	426.8	423.4	413.3	396.5	373.2
23.75°	446.7	487.6	521.6	548.2	567.4	578.9	582.8	578.9	567.4	548.2	521.6
22.5°	594.6	637.9	673.8	702.1	722.4	734.7	738.8	734.7	722.4	702.1	673.8
21.25°	740.6	768.6	791.9	810.3	823.5	831.5	834.2	831.5	823.5	810.3	791.9
20°	829.9	859.7	884.5	904.1	918.2	926.7	929.6	926.7	918.2	904.1	884.5
18.75°	918.6	946.3	967.5	984.4	997.7	1006.6	1009.6	1006.6	997.7	984.4	967.5
17.5°	991.5	1024.5	1052.1	1075.3	1093.5	1104.5	1108.3	1104.5	1093.5	1075.3	1052.1
16.25°	1077.8	1118.5	1153.2	1189.4	1215.8	1231.8	1237.1	1231.8	1215.8	1189.4	1153.2
15°	1181.8	1240.3	1301.1	1359.4	1401.9	1427.7	1436.4	1427.7	1401.9	1359.4	1301.1
13.75°	1329.3	1422.9	1518.1	1596.8	1656.2	1701.8	1717.1	1701.8	1656.2	1596.8	1518.1
12.5°	1532.4	1661.1	1800.3	1912.3	2014.2	2078.4	2100.1	2078.4	2014.2	1912.3	1800.3
11.25°	1787.7	1976.7	2171.3	2347.9	2506.3	2603.6	2636.4	2603.6	2506.3	2347.9	2171.3
10°	2108.1	2384.0	2675.3	2970.8	3212.8	3362.2	3412.8	3362.2	3212.8	2970.8	2675.3
8.75°	2513.8	2927.9	3368.1	3813.5	4156.9	4390.0	4473.1	4390.0	4156.9	3813.5	3368.1
7.5°	3024.6	3617.8	4232.4	4821.7	5278.1	5581.5	5685.4	5581.5	5278.1	4821.7	4232.4
6.25°	3617.8	4397.6	5182.9	5902.6	6460.3	6816.3	6939.5	6816.3	6460.3	5902.6	5182.9
5°	4232.4	5182.9	6123.0	6942.4	7581.6	7996.7	8143.1	7996.7	7581.6	6942.4	6123.0
3.75°	4821.7	5902.6	6942.4	7855.6	8554.4	9008.4	9148.1	9008.4	8554.4	7855.6	6942.4
2.5°	5278.1	6460.3	7581.6	8554.4	9296.3	9770.3	9921.5	9770.3	9296.3	8554.4	7581.6
1.25°	5581.5	6816.3	7996.7	9008.4	9770.3	10252.8	10420.2	10252.8	9770.3	9008.4	7996.7
0°	5685.4	6939.5	8143.1	9148.1	9921.5	10420.2	10640.0	10420.2	9921.5	9148.1	8143.1
-1.25°	5581.5	6816.3	7996.7	9008.4	9770.3	10252.8	10420.2	10252.8	9770.3	9008.4	7996.7
-2.5°	5278.1	6460.3	7581.6	8554.4	9296.3	9770.3	9921.5	9770.3	9296.3	8554.4	7581.6
-3.75°	4821.7	5902.6	6942.4	7855.6	8554.4	9008.4	9148.1	9008.4	8554.4	7855.6	6942.4
-5°	4232.4	5182.9	6123.0	6942.4	7581.6	7996.7	8143.1	7996.7	7581.6	6942.4	6123.0
-6.25°	3617.8	4397.6	5182.9	5902.6	6460.3	6816.3	6939.5	6816.3	6460.3	5902.6	5182.9
-7.5°	3024.6	3617.8	4232.4	4821.7	5278.1	5581.5	5685.4	5581.5	5278.1	4821.7	4232.4
-8.75°	2513.8	2927.9	3368.1	3813.5	4156.9	4390.0	4473.1	4390.0	4156.9	3813.5	3368.1
-10°	2108.1	2384.0	2675.3	2970.8	3212.8	3362.2	3412.8	3362.2	3212.8	2970.8	2675.3
-11.25°	1787.7	1976.7	2171.3	2347.9	2506.3	2603.6	2636.4	2603.6	2506.3	2347.9	2171.3
-12.5°	1532.4	1661.1	1800.3	1912.3	2014.2	2078.4	2100.1	2078.4	2014.2	1912.3	1800.3
-13.75°	1329.3	1422.9	1518.1	1596.8	1656.2	1701.8	1717.1	1701.8	1656.2	1596.8	1518.1
-15°	1181.8	1240.3	1301.1	1359.4	1401.9	1427.7	1436.4	1427.7	1401.9	1359.4	1301.1
-16.25°	1077.8	1118.5	1153.2	1189.4	1215.8	1231.8	1237.1	1231.8	1215.8	1189.4	1153.2
-17.5°	991.5	1024.5	1052.1	1075.3	1093.5	1104.5	1108.3	1104.5	1093.5	1075.3	1052.1
-18.75°	918.6	946.3	967.5	984.4	997.7	1006.6	1009.6	1006.6	997.7	984.4	967.5
-20°	829.9	859.7	884.5	904.1	918.2	926.7	929.6	926.7	918.2	904.1	884.5
-21.25°	740.6	768.6	791.9	810.3	823.5	831.5	834.2	831.5	823.5	810.3	791.9



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	594.6	637.9	673.8	702.1	722.4	734.7	738.8	734.7	722.4	702.1	673.8
-23.75°	446.7	487.6	521.6	548.2	567.4	578.9	582.8	578.9	567.4	548.2	521.6
-25°	308.1	343.5	373.2	396.5	413.3	423.4	426.8	423.4	413.3	396.5	373.2
-26.25°	195.6	218.5	242.7	261.7	275.4	283.6	286.4	283.6	275.4	261.7	242.7
-27.5°	127.8	136.2	146.6	159.5	168.8	174.3	176.2	174.3	168.8	159.5	146.6
-28.75°	104.1	106.9	109.2	111.5	115.2	117.4	118.2	117.4	115.2	111.5	109.2
-30°	94.8	96.4	97.8	98.8	99.6	100.0	100.2	100.0	99.6	98.8	97.8
-31.25°	87.0	88.6	89.8	90.9	91.6	92.0	92.2	92.0	91.6	90.9	89.8
-32.5°	79.9	81.2	82.2	83.0	83.6	84.0	84.1	84.0	83.6	83.0	82.2
-33.75°	73.2	74.4	75.4	76.2	76.7	77.1	77.2	77.1	76.7	76.2	75.4
-35°	69.0	69.4	69.7	70.0	70.2	70.3	70.3	70.3	70.2	70.0	69.7
-36.25°	66.6	67.0	67.3	67.6	67.8	67.9	67.9	67.9	67.8	67.6	67.3
-37.5°	64.9	65.1	65.2	65.3	65.4	65.5	65.5	65.5	65.4	65.3	65.2
-38.75°	63.6	63.8	64.0	64.1	64.2	64.2	64.3	64.2	64.2	64.1	64.0
-40°	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.0	62.9	62.9	62.8
-41.25°	61.3	61.4	61.6	61.7	61.7	61.8	61.8	61.8	61.7	61.7	61.6
-42.5°	60.1	60.2	60.4	60.5	60.5	60.6	60.6	60.6	60.5	60.5	60.4
-43.75°	58.9	59.1	59.2	59.3	59.3	59.4	59.4	59.4	59.3	59.3	59.2
-45°	57.7	57.9	58.0	58.1	58.1	58.2	58.2	58.2	58.1	58.1	58.0
-46.25°	56.6	56.7	56.8	56.9	56.9	57.0	57.0	57.0	56.9	56.9	56.8
-47.5°	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.7
-48.75°	54.7	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	54.9	54.9
-50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-52.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-53.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-55°	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.1	54.1
-56.25°	53.1	53.2	53.3	53.3	53.3	53.3	53.4	53.3	53.3	53.3	53.3
-57.5°	51.9	52.1	52.2	52.4	52.4	52.5	52.5	52.5	52.4	52.4	52.2
-58.75°	49.5	49.7	49.8	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.8
-60°	47.2	47.4	47.5	47.6	47.6	47.7	47.7	47.7	47.6	47.6	47.5
-61.25°	45.2	45.3	45.5	45.5	45.6	45.6	45.7	45.6	45.6	45.5	45.5
-62.5°	42.9	43.1	43.3	43.4	43.5	43.6	43.6	43.6	43.5	43.4	43.3
-63.75°	39.8	40.0	40.1	40.2	40.3	40.4	40.4	40.4	40.3	40.2	40.1
-65°	36.6	36.8	36.9	37.1	37.1	37.2	37.2	37.2	37.1	37.1	36.9
-66.25°	33.4	33.6	33.7	33.8	33.9	33.9	34.0	33.9	33.9	33.8	33.7
-67.5°	30.2	30.4	30.5	30.6	30.6	30.7	30.7	30.7	30.6	30.6	30.5
-68.75°	27.5	27.6	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.7
-70°	24.8	24.9	24.9	25.0	25.1	25.1	25.1	25.1	25.1	25.0	24.9
-71.25°	22.3	22.4	22.5	22.6	22.6	22.6	22.7	22.6	22.6	22.6	22.5
-72.5°	20.0	20.1	20.1	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.1
-73.75°	18.4	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.5
-75°	16.9	16.9	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
-76.25°	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
-77.5°	15.3	15.3	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	14.1	14.1	14.1	14.1	14.1	14.1	14.2	14.1	14.1	14.1	14.1
-80°	12.8	12.8	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
-81.25°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-82.5°	9.6	9.6	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
-83.75°	8.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
-85°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-86.25°	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.4	4.4
-87.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
86.25°	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1
85°	6.5	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1	6.1
83.75°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
82.5°	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2
81.25°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7
80°	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.4	12.3	12.2
78.75°	14.1	14.1	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.6	13.5
77.5°	15.3	15.3	15.3	15.2	15.2	15.1	15.0	15.0	14.9	14.8	14.7
76.25°	16.1	16.1	16.1	16.1	16.0	16.0	15.9	15.9	15.8	15.8	15.7
75°	16.9	16.9	16.9	16.9	16.8	16.8	16.7	16.7	16.6	16.5	16.5
73.75°	18.5	18.4	18.4	18.3	18.2	18.1	18.0	17.9	17.7	17.6	17.5
72.5°	20.1	20.0	19.9	19.8	19.8	19.7	19.5	19.4	19.3	19.1	19.0
71.25°	22.4	22.3	22.2	22.1	21.9	21.7	21.6	21.4	21.1	20.9	20.6
70°	24.9	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	23.2	22.9
68.75°	27.6	27.5	27.3	27.1	26.9	26.7	26.5	26.2	25.9	25.6	25.3
67.5°	30.4	30.2	30.1	29.9	29.7	29.4	29.2	28.9	28.6	28.2	27.9
66.25°	33.6	33.4	33.2	33.0	32.7	32.4	32.1	31.7	31.3	30.9	30.5
65°	36.8	36.6	36.4	36.1	35.9	35.6	35.2	34.8	34.4	34.0	33.5
63.75°	40.0	39.8	39.6	39.3	39.0	38.7	38.3	37.9	37.5	37.1	36.6
62.5°	43.1	42.9	42.7	42.4	42.1	41.8	41.4	41.0	40.6	40.1	39.6
61.25°	45.3	45.2	45.1	44.9	44.7	44.4	44.2	43.9	43.6	43.1	42.6
60°	47.4	47.2	47.1	46.9	46.7	46.4	46.2	45.9	45.5	45.2	44.8
58.75°	49.7	49.5	49.3	49.1	48.8	48.5	48.2	47.8	47.5	47.1	46.8
57.5°	52.1	51.9	51.7	51.4	51.2	50.8	50.5	50.1	49.7	49.3	48.8
56.25°	53.2	53.1	53.0	53.0	52.9	52.7	52.6	52.4	52.0	51.5	51.0
55°	54.0	54.0	53.9	53.8	53.7	53.6	53.4	53.3	53.1	53.0	52.8
53.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.1	53.9	53.7	53.6
52.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
48.75°	54.8	54.7	54.6	54.5	54.4	54.2	54.2	54.2	54.2	54.2	54.2
47.5°	55.6	55.5	55.4	55.3	55.2	55.0	54.8	54.7	54.5	54.3	54.2
46.25°	56.7	56.6	56.4	56.2	56.0	55.8	55.6	55.4	55.2	55.0	54.8
45°	57.9	57.7	57.6	57.4	57.2	56.9	56.6	56.4	56.0	55.7	55.5
43.75°	59.1	58.9	58.7	58.5	58.3	58.1	57.8	57.5	57.2	56.8	56.4
42.5°	60.2	60.1	59.9	59.7	59.5	59.2	58.9	58.6	58.3	57.9	57.5
41.25°	61.4	61.3	61.1	60.9	60.6	60.3	60.0	59.7	59.4	59.0	58.6
40°	62.6	62.4	62.2	62.0	61.8	61.5	61.2	60.8	60.5	60.1	59.6
38.75°	63.8	63.6	63.4	63.2	62.9	62.6	62.3	61.9	61.5	61.1	60.7
37.5°	65.1	64.9	64.6	64.4	64.1	63.8	63.4	63.0	62.6	62.2	61.8
36.25°	67.0	66.6	66.2	65.7	65.3	64.9	64.6	64.2	63.7	63.3	62.8
35°	69.4	69.0	68.5	67.9	67.3	66.7	65.9	65.3	64.9	64.4	63.9



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	74.4	73.2	71.8	70.2	69.6	68.9	68.1	67.3	66.4	65.5	64.9
32.5°	81.2	79.9	78.4	76.7	74.8	72.7	70.3	69.4	68.5	67.5	66.5
31.25°	88.6	87.0	85.2	83.2	81.2	79.0	76.6	74.0	71.2	69.6	68.5
30°	96.4	94.8	92.9	90.7	88.3	85.6	82.8	80.1	77.2	74.1	70.8
28.75°	106.9	104.1	100.8	98.3	95.7	92.9	89.8	86.5	83.1	79.9	76.5
27.5°	136.2	127.8	118.0	109.4	105.0	100.2	97.0	93.5	89.8	85.9	82.1
26.25°	218.5	195.6	171.1	143.2	128.6	114.2	106.4	100.5	96.6	92.5	88.2
25°	343.5	308.1	272.1	231.1	192.9	157.0	131.1	113.6	105.1	99.0	94.5
23.75°	487.6	446.7	401.1	350.9	297.3	244.7	194.6	150.8	125.4	108.6	101.1
22.5°	637.9	594.6	544.3	487.2	424.0	359.7	293.2	229.3	175.8	134.0	111.5
21.25°	768.6	740.6	688.4	628.2	561.4	488.4	411.0	333.3	259.5	192.7	139.1
20°	859.7	829.9	795.4	756.4	697.2	620.4	537.9	450.0	362.3	277.7	201.2
18.75°	946.3	918.6	881.9	840.7	795.2	745.7	663.4	571.3	474.4	377.0	283.8
17.5°	1024.5	991.5	960.0	923.7	875.5	823.4	767.7	689.5	588.2	482.6	377.0
16.25°	1118.5	1077.8	1035.6	990.4	949.4	899.2	840.6	778.7	698.3	588.2	474.4
15°	1240.3	1181.8	1124.1	1068.5	1015.4	964.4	911.2	846.4	778.7	689.5	571.3
13.75°	1422.9	1329.3	1236.8	1157.4	1091.4	1028.1	969.4	911.2	840.6	767.7	663.4
12.5°	1661.1	1532.4	1399.2	1273.0	1179.0	1099.1	1028.1	964.4	899.2	823.4	745.7
11.25°	1976.7	1787.7	1602.1	1434.9	1289.9	1179.0	1091.4	1015.4	949.4	875.5	795.2
10°	2384.0	2108.1	1852.6	1625.7	1434.9	1273.0	1157.4	1068.5	990.4	923.7	840.7
8.75°	2927.9	2513.8	2152.8	1852.6	1602.1	1399.2	1236.8	1124.1	1035.6	960.0	881.9
7.5°	3617.8	3024.6	2513.8	2108.1	1787.7	1532.4	1329.3	1181.8	1077.8	991.5	918.6
6.25°	4397.6	3617.8	2927.9	2384.0	1976.7	1661.1	1422.9	1240.3	1118.5	1024.5	946.3
5°	5182.9	4232.4	3368.1	2675.3	2171.3	1800.3	1518.1	1301.1	1153.2	1052.1	967.5
3.75°	5902.6	4821.7	3813.5	2970.8	2347.9	1912.3	1596.8	1359.4	1189.4	1075.3	984.4
2.5°	6460.3	5278.1	4156.9	3212.8	2506.3	2014.2	1656.2	1401.9	1215.8	1093.5	997.7
1.25°	6816.3	5581.5	4390.0	3362.2	2603.6	2078.4	1701.8	1427.7	1231.8	1104.5	1006.6
0°	6939.5	5685.4	4473.1	3412.8	2636.4	2100.1	1717.1	1436.4	1237.1	1108.3	1009.6
-1.25°	6816.3	5581.5	4390.0	3362.2	2603.6	2078.4	1701.8	1427.7	1231.8	1104.5	1006.6
-2.5°	6460.3	5278.1	4156.9	3212.8	2506.3	2014.2	1656.2	1401.9	1215.8	1093.5	997.7
-3.75°	5902.6	4821.7	3813.5	2970.8	2347.9	1912.3	1596.8	1359.4	1189.4	1075.3	984.4
-5°	5182.9	4232.4	3368.1	2675.3	2171.3	1800.3	1518.1	1301.1	1153.2	1052.1	967.5
-6.25°	4397.6	3617.8	2927.9	2384.0	1976.7	1661.1	1422.9	1240.3	1118.5	1024.5	946.3
-7.5°	3617.8	3024.6	2513.8	2108.1	1787.7	1532.4	1329.3	1181.8	1077.8	991.5	918.6
-8.75°	2927.9	2513.8	2152.8	1852.6	1602.1	1399.2	1236.8	1124.1	1035.6	960.0	881.9
-10°	2384.0	2108.1	1852.6	1625.7	1434.9	1273.0	1157.4	1068.5	990.4	923.7	840.7
-11.25°	1976.7	1787.7	1602.1	1434.9	1289.9	1179.0	1091.4	1015.4	949.4	875.5	795.2
-12.5°	1661.1	1532.4	1399.2	1273.0	1179.0	1099.1	1028.1	964.4	899.2	823.4	745.7
-13.75°	1422.9	1329.3	1236.8	1157.4	1091.4	1028.1	969.4	911.2	840.6	767.7	663.4
-15°	1240.3	1181.8	1124.1	1068.5	1015.4	964.4	911.2	846.4	778.7	689.5	571.3
-16.25°	1118.5	1077.8	1035.6	990.4	949.4	899.2	840.6	778.7	698.3	588.2	474.4
-17.5°	1024.5	991.5	960.0	923.7	875.5	823.4	767.7	689.5	588.2	482.6	377.0
-18.75°	946.3	918.6	881.9	840.7	795.2	745.7	663.4	571.3	474.4	377.0	283.8
-20°	859.7	829.9	795.4	756.4	697.2	620.4	537.9	450.0	362.3	277.7	201.2
-21.25°	768.6	740.6	688.4	628.2	561.4	488.4	411.0	333.3	259.5	192.7	139.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	637.9	594.6	544.3	487.2	424.0	359.7	293.2	229.3	175.8	134.0	111.5
-23.75°	487.6	446.7	401.1	350.9	297.3	244.7	194.6	150.8	125.4	108.6	101.1
-25°	343.5	308.1	272.1	231.1	192.9	157.0	131.1	113.6	105.1	99.0	94.5
-26.25°	218.5	195.6	171.1	143.2	128.6	114.2	106.4	100.5	96.6	92.5	88.2
-27.5°	136.2	127.8	118.0	109.4	105.0	100.2	97.0	93.5	89.8	85.9	82.1
-28.75°	106.9	104.1	100.8	98.3	95.7	92.9	89.8	86.5	83.1	79.9	76.5
-30°	96.4	94.8	92.9	90.7	88.3	85.6	82.8	80.1	77.2	74.1	70.8
-31.25°	88.6	87.0	85.2	83.2	81.2	79.0	76.6	74.0	71.2	69.6	68.5
-32.5°	81.2	79.9	78.4	76.7	74.8	72.7	70.3	69.4	68.5	67.5	66.5
-33.75°	74.4	73.2	71.8	70.2	69.6	68.9	68.1	67.3	66.4	65.5	64.9
-35°	69.4	69.0	68.5	67.9	67.3	66.7	65.9	65.3	64.9	64.4	63.9
-36.25°	67.0	66.6	66.2	65.7	65.3	64.9	64.6	64.2	63.7	63.3	62.8
-37.5°	65.1	64.9	64.6	64.4	64.1	63.8	63.4	63.0	62.6	62.2	61.8
-38.75°	63.8	63.6	63.4	63.2	62.9	62.6	62.3	61.9	61.5	61.1	60.7
-40°	62.6	62.4	62.2	62.0	61.8	61.5	61.2	60.8	60.5	60.1	59.6
-41.25°	61.4	61.3	61.1	60.9	60.6	60.3	60.0	59.7	59.4	59.0	58.6
-42.5°	60.2	60.1	59.9	59.7	59.5	59.2	58.9	58.6	58.3	57.9	57.5
-43.75°	59.1	58.9	58.7	58.5	58.3	58.1	57.8	57.5	57.2	56.8	56.4
-45°	57.9	57.7	57.6	57.4	57.2	56.9	56.6	56.4	56.0	55.7	55.5
-46.25°	56.7	56.6	56.4	56.2	56.0	55.8	55.6	55.4	55.2	55.0	54.8
-47.5°	55.6	55.5	55.4	55.3	55.2	55.0	54.8	54.7	54.5	54.3	54.2
-48.75°	54.8	54.7	54.6	54.5	54.4	54.2	54.2	54.2	54.2	54.2	54.2
-50°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-51.25°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-52.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-53.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.1	53.9	53.7	53.6
-55°	54.0	54.0	53.9	53.8	53.7	53.6	53.4	53.3	53.1	53.0	52.8
-56.25°	53.2	53.1	53.0	53.0	52.9	52.7	52.6	52.4	52.0	51.5	51.0
-57.5°	52.1	51.9	51.7	51.4	51.2	50.8	50.5	50.1	49.7	49.3	48.8
-58.75°	49.7	49.5	49.3	49.1	48.8	48.5	48.2	47.8	47.5	47.1	46.8
-60°	47.4	47.2	47.1	46.9	46.7	46.4	46.2	45.9	45.5	45.2	44.8
-61.25°	45.3	45.2	45.1	44.9	44.7	44.4	44.2	43.9	43.6	43.1	42.6
-62.5°	43.1	42.9	42.7	42.4	42.1	41.8	41.4	41.0	40.6	40.1	39.6
-63.75°	40.0	39.8	39.6	39.3	39.0	38.7	38.3	37.9	37.5	37.1	36.6
-65°	36.8	36.6	36.4	36.1	35.9	35.6	35.2	34.8	34.4	34.0	33.5
-66.25°	33.6	33.4	33.2	33.0	32.7	32.4	32.1	31.7	31.3	30.9	30.5
-67.5°	30.4	30.2	30.1	29.9	29.7	29.4	29.2	28.9	28.6	28.2	27.9
-68.75°	27.6	27.5	27.3	27.1	26.9	26.7	26.5	26.2	25.9	25.6	25.3
-70°	24.9	24.8	24.6	24.5	24.3	24.1	23.9	23.7	23.5	23.2	22.9
-71.25°	22.4	22.3	22.2	22.1	21.9	21.7	21.6	21.4	21.1	20.9	20.6
-72.5°	20.1	20.0	19.9	19.8	19.8	19.7	19.5	19.4	19.3	19.1	19.0
-73.75°	18.5	18.4	18.4	18.3	18.2	18.1	18.0	17.9	17.7	17.6	17.5
-75°	16.9	16.9	16.9	16.9	16.8	16.8	16.7	16.7	16.6	16.5	16.5
-76.25°	16.1	16.1	16.1	16.1	16.0	16.0	15.9	15.9	15.8	15.8	15.7
-77.5°	15.3	15.3	15.3	15.2	15.2	15.1	15.0	15.0	14.9	14.8	14.7



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	14.1	14.1	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.6	13.5
-80°	12.8	12.8	12.7	12.7	12.7	12.6	12.5	12.5	12.4	12.3	12.2
-81.25°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7
-82.5°	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.4	9.3	9.3	9.2
-83.75°	8.1	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.7
-85°	6.5	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1	6.1
-86.25°	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1
-87.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-88.75°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
86.25°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5
85°	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2
83.75°	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
82.5°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2
81.25°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5
80°	12.1	12.0	11.9	11.8	11.7	11.6	11.4	11.3	11.2	11.0	10.9
78.75°	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.4	12.2
77.5°	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.6	13.4
76.25°	15.7	15.6	15.5	15.4	15.3	15.2	15.1	14.9	14.8	14.6	14.5
75°	16.4	16.3	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.5
73.75°	17.3	17.2	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.1
72.5°	18.8	18.6	18.4	18.2	18.0	17.8	17.6	17.4	17.1	16.9	16.8
71.25°	20.4	20.1	19.9	19.7	19.5	19.2	19.0	18.8	18.5	18.2	17.9
70°	22.6	22.3	22.0	21.7	21.3	20.9	20.5	20.1	19.9	19.6	19.3
68.75°	24.9	24.6	24.2	23.9	23.5	23.1	22.7	22.2	21.8	21.3	20.8
67.5°	27.5	27.1	26.7	26.2	25.8	25.3	24.8	24.3	23.8	23.3	22.8
66.25°	30.1	29.7	29.2	28.8	28.3	27.7	27.2	26.6	26.0	25.4	24.8
65°	33.0	32.5	32.0	31.4	30.8	30.2	29.6	29.0	28.4	27.7	27.1
63.75°	36.1	35.5	34.9	34.3	33.6	33.0	32.3	31.5	30.8	30.1	29.4
62.5°	39.0	38.5	37.8	37.2	36.5	35.8	35.1	34.3	33.5	32.7	31.8
61.25°	42.0	41.4	40.7	40.1	39.4	38.6	37.9	37.0	36.2	35.3	34.4
60°	44.5	44.1	43.6	42.9	42.2	41.4	40.6	39.8	38.9	38.0	37.0
58.75°	46.3	45.9	45.5	45.0	44.5	44.0	43.3	42.5	41.5	40.6	39.6
57.5°	48.3	47.8	47.3	46.8	46.3	45.7	45.2	44.6	44.0	43.2	42.2
56.25°	50.5	50.0	49.4	48.8	48.1	47.5	46.9	46.3	45.7	45.0	44.3
55°	52.6	52.1	51.5	50.9	50.2	49.5	48.8	48.1	47.3	46.7	45.9
53.75°	53.4	53.1	52.9	52.7	52.3	51.6	50.8	50.1	49.2	48.4	47.6
52.5°	54.1	53.9	53.7	53.4	53.2	52.9	52.6	52.0	51.2	50.3	49.4
51.25°	54.2	54.2	54.2	54.2	53.9	53.6	53.3	53.0	52.7	52.2	51.3
50°	54.2	54.2	54.2	54.2	54.2	54.2	54.0	53.7	53.4	53.1	52.7
48.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.1	53.7	53.4
47.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.0
46.25°	54.5	54.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
45°	55.3	55.0	54.7	54.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2
43.75°	56.0	55.7	55.4	55.1	54.8	54.4	54.2	54.2	54.2	54.2	54.2
42.5°	57.1	56.7	56.2	55.8	55.4	55.1	54.7	54.4	54.2	54.2	54.2
41.25°	58.2	57.7	57.2	56.7	56.2	55.7	55.4	55.0	54.6	54.2	54.2
40°	59.2	58.7	58.2	57.7	57.2	56.7	56.1	55.6	55.2	54.8	54.4
38.75°	60.2	59.8	59.3	58.7	58.2	57.6	57.0	56.4	55.8	55.4	54.9
37.5°	61.3	60.8	60.2	59.7	59.1	58.5	57.9	57.3	56.7	56.0	55.5
36.25°	62.3	61.8	61.2	60.7	60.1	59.5	58.8	58.2	57.5	56.8	56.1
35°	63.3	62.8	62.2	61.6	61.0	60.4	59.7	59.1	58.4	57.7	57.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	64.4	63.8	63.2	62.6	61.9	61.3	60.6	59.9	59.2	58.5	57.7
32.5°	65.4	64.8	64.2	63.5	62.9	62.2	61.5	60.8	60.0	59.3	58.5
31.25°	67.3	66.1	65.2	64.5	63.8	63.1	62.3	61.6	60.9	60.1	59.3
30°	69.3	68.0	66.7	65.4	64.7	64.0	63.2	62.4	61.6	60.9	60.0
28.75°	72.9	69.9	68.6	67.2	65.7	64.8	64.0	63.2	62.4	61.6	60.8
27.5°	78.4	74.5	70.5	68.9	67.4	65.9	64.9	64.0	63.2	62.3	61.5
26.25°	83.7	79.7	75.6	71.3	69.1	67.5	65.9	64.8	64.0	63.1	62.2
25°	89.8	85.0	80.6	76.1	71.5	69.1	67.4	65.7	64.7	63.8	62.9
23.75°	95.9	90.8	85.6	80.8	76.1	71.3	68.9	67.2	65.4	64.5	63.5
22.5°	102.8	96.6	91.2	85.6	80.6	75.6	70.5	68.6	66.7	65.2	64.2
21.25°	114.9	103.4	96.6	90.8	85.0	79.7	74.5	69.9	68.0	66.1	64.8
20°	141.2	114.9	102.8	95.9	89.8	83.7	78.4	72.9	69.3	67.3	65.4
18.75°	201.2	139.1	111.5	101.1	94.5	88.2	82.1	76.5	70.8	68.5	66.5
17.5°	277.7	192.7	134.0	108.6	99.0	92.5	85.9	79.9	74.1	69.6	67.5
16.25°	362.3	259.5	175.8	125.4	105.1	96.6	89.8	83.1	77.2	71.2	68.5
15°	450.0	333.3	229.3	150.8	113.6	100.5	93.5	86.5	80.1	74.0	69.4
13.75°	537.9	411.0	293.2	194.6	131.1	106.4	97.0	89.8	82.8	76.6	70.3
12.5°	620.4	488.4	359.7	244.7	157.0	114.2	100.2	92.9	85.6	79.0	72.7
11.25°	697.2	561.4	424.0	297.3	192.9	128.6	105.0	95.7	88.3	81.2	74.8
10°	756.4	628.2	487.2	350.9	231.1	143.2	109.4	98.3	90.7	83.2	76.7
8.75°	795.4	688.4	544.3	401.1	272.1	171.1	118.0	100.8	92.9	85.2	78.4
7.5°	829.9	740.6	594.6	446.7	308.1	195.6	127.8	104.1	94.8	87.0	79.9
6.25°	859.7	768.6	637.9	487.6	343.5	218.5	136.2	106.9	96.4	88.6	81.2
5°	884.5	791.9	673.8	521.6	373.2	242.7	146.6	109.2	97.8	89.8	82.2
3.75°	904.1	810.3	702.1	548.2	396.5	261.7	159.5	111.5	98.8	90.9	83.0
2.5°	918.2	823.5	722.4	567.4	413.3	275.4	168.8	115.2	99.6	91.6	83.6
1.25°	926.7	831.5	734.7	578.9	423.4	283.6	174.3	117.4	100.0	92.0	84.0
0°	929.6	834.2	738.8	582.8	426.8	286.4	176.2	118.2	100.2	92.2	84.1
-1.25°	926.7	831.5	734.7	578.9	423.4	283.6	174.3	117.4	100.0	92.0	84.0
-2.5°	918.2	823.5	722.4	567.4	413.3	275.4	168.8	115.2	99.6	91.6	83.6
-3.75°	904.1	810.3	702.1	548.2	396.5	261.7	159.5	111.5	98.8	90.9	83.0
-5°	884.5	791.9	673.8	521.6	373.2	242.7	146.6	109.2	97.8	89.8	82.2
-6.25°	859.7	768.6	637.9	487.6	343.5	218.5	136.2	106.9	96.4	88.6	81.2
-7.5°	829.9	740.6	594.6	446.7	308.1	195.6	127.8	104.1	94.8	87.0	79.9
-8.75°	795.4	688.4	544.3	401.1	272.1	171.1	118.0	100.8	92.9	85.2	78.4
-10°	756.4	628.2	487.2	350.9	231.1	143.2	109.4	98.3	90.7	83.2	76.7
-11.25°	697.2	561.4	424.0	297.3	192.9	128.6	105.0	95.7	88.3	81.2	74.8
-12.5°	620.4	488.4	359.7	244.7	157.0	114.2	100.2	92.9	85.6	79.0	72.7
-13.75°	537.9	411.0	293.2	194.6	131.1	106.4	97.0	89.8	82.8	76.6	70.3
-15°	450.0	333.3	229.3	150.8	113.6	100.5	93.5	86.5	80.1	74.0	69.4
-16.25°	362.3	259.5	175.8	125.4	105.1	96.6	89.8	83.1	77.2	71.2	68.5
-17.5°	277.7	192.7	134.0	108.6	99.0	92.5	85.9	79.9	74.1	69.6	67.5
-18.75°	201.2	139.1	111.5	101.1	94.5	88.2	82.1	76.5	70.8	68.5	66.5
-20°	141.2	114.9	102.8	95.9	89.8	83.7	78.4	72.9	69.3	67.3	65.4
-21.25°	114.9	103.4	96.6	90.8	85.0	79.7	74.5	69.9	68.0	66.1	64.8



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	102.8	96.6	91.2	85.6	80.6	75.6	70.5	68.6	66.7	65.2	64.2
-23.75°	95.9	90.8	85.6	80.8	76.1	71.3	68.9	67.2	65.4	64.5	63.5
-25°	89.8	85.0	80.6	76.1	71.5	69.1	67.4	65.7	64.7	63.8	62.9
-26.25°	83.7	79.7	75.6	71.3	69.1	67.5	65.9	64.8	64.0	63.1	62.2
-27.5°	78.4	74.5	70.5	68.9	67.4	65.9	64.9	64.0	63.2	62.3	61.5
-28.75°	72.9	69.9	68.6	67.2	65.7	64.8	64.0	63.2	62.4	61.6	60.8
-30°	69.3	68.0	66.7	65.4	64.7	64.0	63.2	62.4	61.6	60.9	60.0
-31.25°	67.3	66.1	65.2	64.5	63.8	63.1	62.3	61.6	60.9	60.1	59.3
-32.5°	65.4	64.8	64.2	63.5	62.9	62.2	61.5	60.8	60.0	59.3	58.5
-33.75°	64.4	63.8	63.2	62.6	61.9	61.3	60.6	59.9	59.2	58.5	57.7
-35°	63.3	62.8	62.2	61.6	61.0	60.4	59.7	59.1	58.4	57.7	57.0
-36.25°	62.3	61.8	61.2	60.7	60.1	59.5	58.8	58.2	57.5	56.8	56.1
-37.5°	61.3	60.8	60.2	59.7	59.1	58.5	57.9	57.3	56.7	56.0	55.5
-38.75°	60.2	59.8	59.3	58.7	58.2	57.6	57.0	56.4	55.8	55.4	54.9
-40°	59.2	58.7	58.2	57.7	57.2	56.7	56.1	55.6	55.2	54.8	54.4
-41.25°	58.2	57.7	57.2	56.7	56.2	55.7	55.4	55.0	54.6	54.2	54.2
-42.5°	57.1	56.7	56.2	55.8	55.4	55.1	54.7	54.4	54.2	54.2	54.2
-43.75°	56.0	55.7	55.4	55.1	54.8	54.4	54.2	54.2	54.2	54.2	54.2
-45°	55.3	55.0	54.7	54.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-46.25°	54.5	54.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
-47.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.0
-48.75°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.1	53.7	53.4
-50°	54.2	54.2	54.2	54.2	54.2	54.2	54.0	53.7	53.4	53.1	52.7
-51.25°	54.2	54.2	54.2	54.2	53.9	53.6	53.3	53.0	52.7	52.2	51.3
-52.5°	54.1	53.9	53.7	53.4	53.2	52.9	52.6	52.0	51.2	50.3	49.4
-53.75°	53.4	53.1	52.9	52.7	52.3	51.6	50.8	50.1	49.2	48.4	47.6
-55°	52.6	52.1	51.5	50.9	50.2	49.5	48.8	48.1	47.3	46.7	45.9
-56.25°	50.5	50.0	49.4	48.8	48.1	47.5	46.9	46.3	45.7	45.0	44.3
-57.5°	48.3	47.8	47.3	46.8	46.3	45.7	45.2	44.6	44.0	43.2	42.2
-58.75°	46.3	45.9	45.5	45.0	44.5	44.0	43.3	42.5	41.5	40.6	39.6
-60°	44.5	44.1	43.6	42.9	42.2	41.4	40.6	39.8	38.9	38.0	37.0
-61.25°	42.0	41.4	40.7	40.1	39.4	38.6	37.9	37.0	36.2	35.3	34.4
-62.5°	39.0	38.5	37.8	37.2	36.5	35.8	35.1	34.3	33.5	32.7	31.8
-63.75°	36.1	35.5	34.9	34.3	33.6	33.0	32.3	31.5	30.8	30.1	29.4
-65°	33.0	32.5	32.0	31.4	30.8	30.2	29.6	29.0	28.4	27.7	27.1
-66.25°	30.1	29.7	29.2	28.8	28.3	27.7	27.2	26.6	26.0	25.4	24.8
-67.5°	27.5	27.1	26.7	26.2	25.8	25.3	24.8	24.3	23.8	23.3	22.8
-68.75°	24.9	24.6	24.2	23.9	23.5	23.1	22.7	22.2	21.8	21.3	20.8
-70°	22.6	22.3	22.0	21.7	21.3	20.9	20.5	20.1	19.9	19.6	19.3
-71.25°	20.4	20.1	19.9	19.7	19.5	19.2	19.0	18.8	18.5	18.2	17.9
-72.5°	18.8	18.6	18.4	18.2	18.0	17.8	17.6	17.4	17.1	16.9	16.8
-73.75°	17.3	17.2	17.0	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.1
-75°	16.4	16.3	16.3	16.2	16.1	16.0	15.9	15.8	15.7	15.6	15.5
-76.25°	15.7	15.6	15.5	15.4	15.3	15.2	15.1	14.9	14.8	14.6	14.5
-77.5°	14.6	14.5	14.4	14.3	14.2	14.1	14.0	13.8	13.7	13.6	13.4



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6	12.4	12.2
-80°	12.1	12.0	11.9	11.8	11.7	11.6	11.4	11.3	11.2	11.0	10.9
-81.25°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5
-82.5°	9.1	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2
-83.75°	7.6	7.6	7.5	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8
-85°	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2
-86.25°	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5
-87.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-88.75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
86.25°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.6
85°	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	4.0
83.75°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.5	5.4
82.5°	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7
81.25°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
80°	10.7	10.6	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.9
78.75°	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.2	10.0
77.5°	13.3	13.1	13.0	12.8	12.5	12.3	12.1	11.9	11.6	11.4	11.1
76.25°	14.3	14.1	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.5	12.2
75°	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.7	13.4	13.2
73.75°	16.0	15.9	15.7	15.6	15.5	15.3	15.0	14.8	14.6	14.3	14.1
72.5°	16.7	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.2	14.9
71.25°	17.6	17.3	17.0	16.9	16.7	16.5	16.4	16.2	16.0	15.8	15.6
70°	18.9	18.6	18.3	18.0	17.6	17.2	16.9	16.7	16.6	16.4	16.2
68.75°	20.3	19.9	19.6	19.2	18.8	18.4	18.0	17.6	17.2	16.9	16.7
67.5°	22.3	21.7	21.1	20.5	20.0	19.6	19.2	18.8	18.3	17.9	17.4
66.25°	24.2	23.7	23.0	22.4	21.8	21.1	20.4	19.9	19.4	19.0	18.5
65°	26.4	25.7	25.0	24.3	23.6	22.9	22.2	21.5	20.7	20.1	19.6
63.75°	28.6	27.9	27.1	26.3	25.5	24.7	24.0	23.2	22.4	21.6	20.8
62.5°	30.9	30.1	29.3	28.4	27.6	26.7	25.8	24.9	24.1	23.3	22.4
61.25°	33.5	32.5	31.5	30.5	29.7	28.7	27.8	26.8	25.8	24.9	24.0
60°	36.1	35.1	34.0	33.0	31.9	30.8	29.8	28.8	27.7	26.7	25.6
58.75°	38.6	37.6	36.5	35.4	34.2	33.1	31.9	30.7	29.6	28.5	27.4
57.5°	41.1	40.0	38.9	37.8	36.6	35.4	34.1	32.9	31.6	30.3	29.2
56.25°	43.6	42.5	41.3	40.2	38.9	37.7	36.4	35.1	33.7	32.3	30.9
55°	45.2	44.5	43.7	42.5	41.2	39.9	38.6	37.2	35.8	34.4	33.0
53.75°	46.8	46.0	45.2	44.4	43.5	42.2	40.8	39.4	37.9	36.5	35.0
52.5°	48.5	47.6	46.7	45.9	45.0	44.1	42.9	41.5	40.0	38.5	36.9
51.25°	50.3	49.3	48.3	47.3	46.4	45.5	44.5	43.6	42.0	40.5	38.9
50°	52.1	51.1	50.0	49.0	47.9	46.9	45.9	44.9	43.9	42.4	40.8
48.75°	53.0	52.6	51.8	50.7	49.5	48.3	47.2	46.2	45.1	44.1	42.6
47.5°	53.6	53.2	52.8	52.3	51.1	49.9	48.7	47.5	46.4	45.3	44.2
46.25°	54.2	53.9	53.4	53.0	52.6	51.5	50.2	49.0	47.6	46.5	45.4
45°	54.2	54.2	54.0	53.6	53.2	52.7	51.8	50.4	49.1	47.7	46.5
43.75°	54.2	54.2	54.2	54.2	53.7	53.2	52.8	51.9	50.5	49.1	47.6
42.5°	54.2	54.2	54.2	54.2	54.2	53.8	53.3	52.8	51.9	50.4	49.0
41.25°	54.2	54.2	54.2	54.2	54.2	54.2	53.8	53.3	52.8	51.8	50.2
40°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.8	53.2	52.7	51.5
38.75°	54.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.7	53.2	52.6
37.5°	55.0	54.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.6	53.0
36.25°	55.5	55.1	54.6	54.2	54.2	54.2	54.2	54.2	54.2	54.0	53.4
35°	56.2	55.6	55.1	54.5	54.2	54.2	54.2	54.2	54.2	54.2	53.9



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	57.0	56.2	55.5	55.0	54.5	54.2	54.2	54.2	54.2	54.2	54.2
32.5°	57.7	57.0	56.1	55.5	54.9	54.4	54.2	54.2	54.2	54.2	54.2
31.25°	58.5	57.7	56.8	56.0	55.4	54.8	54.2	54.2	54.2	54.2	54.2
30°	59.2	58.4	57.5	56.7	55.8	55.2	54.6	54.2	54.2	54.2	54.2
28.75°	59.9	59.1	58.2	57.3	56.4	55.6	55.0	54.4	54.2	54.2	54.2
27.5°	60.6	59.7	58.8	57.9	57.0	56.1	55.4	54.7	54.2	54.2	54.2
26.25°	61.3	60.4	59.5	58.5	57.6	56.7	55.7	55.1	54.4	54.2	54.2
25°	61.9	61.0	60.1	59.1	58.2	57.2	56.2	55.4	54.8	54.2	54.2
23.75°	62.6	61.6	60.7	59.7	58.7	57.7	56.7	55.8	55.1	54.4	54.2
22.5°	63.2	62.2	61.2	60.2	59.3	58.2	57.2	56.2	55.4	54.7	54.2
21.25°	63.8	62.8	61.8	60.8	59.8	58.7	57.7	56.7	55.7	55.0	54.3
20°	64.4	63.3	62.3	61.3	60.2	59.2	58.2	57.1	56.0	55.3	54.5
18.75°	64.9	63.9	62.8	61.8	60.7	59.6	58.6	57.5	56.4	55.5	54.8
17.5°	65.5	64.4	63.3	62.2	61.1	60.1	59.0	57.9	56.8	55.7	55.0
16.25°	66.4	64.9	63.7	62.6	61.5	60.5	59.4	58.3	57.2	56.0	55.2
15°	67.3	65.3	64.2	63.0	61.9	60.8	59.7	58.6	57.5	56.4	55.4
13.75°	68.1	65.9	64.6	63.4	62.3	61.2	60.0	58.9	57.8	56.6	55.6
12.5°	68.9	66.7	64.9	63.8	62.6	61.5	60.3	59.2	58.1	56.9	55.8
11.25°	69.6	67.3	65.3	64.1	62.9	61.8	60.6	59.5	58.3	57.2	56.0
10°	70.2	67.9	65.7	64.4	63.2	62.0	60.9	59.7	58.5	57.4	56.2
8.75°	71.8	68.5	66.2	64.6	63.4	62.2	61.1	59.9	58.7	57.6	56.4
7.5°	73.2	69.0	66.6	64.9	63.6	62.4	61.3	60.1	58.9	57.7	56.6
6.25°	74.4	69.4	67.0	65.1	63.8	62.6	61.4	60.2	59.1	57.9	56.7
5°	75.4	69.7	67.3	65.2	64.0	62.8	61.6	60.4	59.2	58.0	56.8
3.75°	76.2	70.0	67.6	65.3	64.1	62.9	61.7	60.5	59.3	58.1	56.9
2.5°	76.7	70.2	67.8	65.4	64.2	62.9	61.7	60.5	59.3	58.1	56.9
1.25°	77.1	70.3	67.9	65.5	64.2	63.0	61.8	60.6	59.4	58.2	57.0
0°	77.2	70.3	67.9	65.5	64.3	63.0	61.8	60.6	59.4	58.2	57.0
-1.25°	77.1	70.3	67.9	65.5	64.2	63.0	61.8	60.6	59.4	58.2	57.0
-2.5°	76.7	70.2	67.8	65.4	64.2	62.9	61.7	60.5	59.3	58.1	56.9
-3.75°	76.2	70.0	67.6	65.3	64.1	62.9	61.7	60.5	59.3	58.1	56.9
-5°	75.4	69.7	67.3	65.2	64.0	62.8	61.6	60.4	59.2	58.0	56.8
-6.25°	74.4	69.4	67.0	65.1	63.8	62.6	61.4	60.2	59.1	57.9	56.7
-7.5°	73.2	69.0	66.6	64.9	63.6	62.4	61.3	60.1	58.9	57.7	56.6
-8.75°	71.8	68.5	66.2	64.6	63.4	62.2	61.1	59.9	58.7	57.6	56.4
-10°	70.2	67.9	65.7	64.4	63.2	62.0	60.9	59.7	58.5	57.4	56.2
-11.25°	69.6	67.3	65.3	64.1	62.9	61.8	60.6	59.5	58.3	57.2	56.0
-12.5°	68.9	66.7	64.9	63.8	62.6	61.5	60.3	59.2	58.1	56.9	55.8
-13.75°	68.1	65.9	64.6	63.4	62.3	61.2	60.0	58.9	57.8	56.6	55.6
-15°	67.3	65.3	64.2	63.0	61.9	60.8	59.7	58.6	57.5	56.4	55.4
-16.25°	66.4	64.9	63.7	62.6	61.5	60.5	59.4	58.3	57.2	56.0	55.2
-17.5°	65.5	64.4	63.3	62.2	61.1	60.1	59.0	57.9	56.8	55.7	55.0
-18.75°	64.9	63.9	62.8	61.8	60.7	59.6	58.6	57.5	56.4	55.5	54.8
-20°	64.4	63.3	62.3	61.3	60.2	59.2	58.2	57.1	56.0	55.3	54.5
-21.25°	63.8	62.8	61.8	60.8	59.8	58.7	57.7	56.7	55.7	55.0	54.3



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	63.2	62.2	61.2	60.2	59.3	58.2	57.2	56.2	55.4	54.7	54.2
-23.75°	62.6	61.6	60.7	59.7	58.7	57.7	56.7	55.8	55.1	54.4	54.2
-25°	61.9	61.0	60.1	59.1	58.2	57.2	56.2	55.4	54.8	54.2	54.2
-26.25°	61.3	60.4	59.5	58.5	57.6	56.7	55.7	55.1	54.4	54.2	54.2
-27.5°	60.6	59.7	58.8	57.9	57.0	56.1	55.4	54.7	54.2	54.2	54.2
-28.75°	59.9	59.1	58.2	57.3	56.4	55.6	55.0	54.4	54.2	54.2	54.2
-30°	59.2	58.4	57.5	56.7	55.8	55.2	54.6	54.2	54.2	54.2	54.2
-31.25°	58.5	57.7	56.8	56.0	55.4	54.8	54.2	54.2	54.2	54.2	54.2
-32.5°	57.7	57.0	56.1	55.5	54.9	54.4	54.2	54.2	54.2	54.2	54.2
-33.75°	57.0	56.2	55.5	55.0	54.5	54.2	54.2	54.2	54.2	54.2	54.2
-35°	56.2	55.6	55.1	54.5	54.2	54.2	54.2	54.2	54.2	54.2	53.9
-36.25°	55.5	55.1	54.6	54.2	54.2	54.2	54.2	54.2	54.2	54.0	53.4
-37.5°	55.0	54.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.6	53.0
-38.75°	54.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.7	53.2	52.6
-40°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	53.8	53.2	52.7	51.5
-41.25°	54.2	54.2	54.2	54.2	54.2	54.2	53.8	53.3	52.8	51.8	50.2
-42.5°	54.2	54.2	54.2	54.2	54.2	53.8	53.3	52.8	51.9	50.4	49.0
-43.75°	54.2	54.2	54.2	54.2	53.7	53.2	52.8	51.9	50.5	49.1	47.6
-45°	54.2	54.2	54.0	53.6	53.2	52.7	51.8	50.4	49.1	47.7	46.5
-46.25°	54.2	53.9	53.4	53.0	52.6	51.5	50.2	49.0	47.6	46.5	45.4
-47.5°	53.6	53.2	52.8	52.3	51.1	49.9	48.7	47.5	46.4	45.3	44.2
-48.75°	53.0	52.6	51.8	50.7	49.5	48.3	47.2	46.2	45.1	44.1	42.6
-50°	52.1	51.1	50.0	49.0	47.9	46.9	45.9	44.9	43.9	42.4	40.8
-51.25°	50.3	49.3	48.3	47.3	46.4	45.5	44.5	43.6	42.0	40.5	38.9
-52.5°	48.5	47.6	46.7	45.9	45.0	44.1	42.9	41.5	40.0	38.5	36.9
-53.75°	46.8	46.0	45.2	44.4	43.5	42.2	40.8	39.4	37.9	36.5	35.0
-55°	45.2	44.5	43.7	42.5	41.2	39.9	38.6	37.2	35.8	34.4	33.0
-56.25°	43.6	42.5	41.3	40.2	38.9	37.7	36.4	35.1	33.7	32.3	30.9
-57.5°	41.1	40.0	38.9	37.8	36.6	35.4	34.1	32.9	31.6	30.3	29.2
-58.75°	38.6	37.6	36.5	35.4	34.2	33.1	31.9	30.7	29.6	28.5	27.4
-60°	36.1	35.1	34.0	33.0	31.9	30.8	29.8	28.8	27.7	26.7	25.6
-61.25°	33.5	32.5	31.5	30.5	29.7	28.7	27.8	26.8	25.8	24.9	24.0
-62.5°	30.9	30.1	29.3	28.4	27.6	26.7	25.8	24.9	24.1	23.3	22.4
-63.75°	28.6	27.9	27.1	26.3	25.5	24.7	24.0	23.2	22.4	21.6	20.8
-65°	26.4	25.7	25.0	24.3	23.6	22.9	22.2	21.5	20.7	20.1	19.6
-66.25°	24.2	23.7	23.0	22.4	21.8	21.1	20.4	19.9	19.4	19.0	18.5
-67.5°	22.3	21.7	21.1	20.5	20.0	19.6	19.2	18.8	18.3	17.9	17.4
-68.75°	20.3	19.9	19.6	19.2	18.8	18.4	18.0	17.6	17.2	16.9	16.7
-70°	18.9	18.6	18.3	18.0	17.6	17.2	16.9	16.7	16.6	16.4	16.2
-71.25°	17.6	17.3	17.0	16.9	16.7	16.5	16.4	16.2	16.0	15.8	15.6
-72.5°	16.7	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.2	14.9
-73.75°	16.0	15.9	15.7	15.6	15.5	15.3	15.0	14.8	14.6	14.3	14.1
-75°	15.3	15.1	14.9	14.7	14.5	14.3	14.1	13.9	13.7	13.4	13.2
-76.25°	14.3	14.1	14.0	13.8	13.6	13.4	13.2	13.0	12.8	12.5	12.2
-77.5°	13.3	13.1	13.0	12.8	12.5	12.3	12.1	11.9	11.6	11.4	11.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.2	10.0
-80°	10.7	10.6	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.1	8.9
-81.25°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
-82.5°	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.2	7.0	6.9	6.7
-83.75°	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.9	5.7	5.5	5.4
-85°	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.3	4.2	4.1	4.0
-86.25°	3.4	3.3	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.6
-87.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-88.75°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
86.25°	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
85°	3.8	3.7	3.6	3.4	3.3	3.1	3.0	2.9	2.7	2.5	2.4
83.75°	5.2	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6	3.4
82.5°	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.9	4.7	4.4
81.25°	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.7	5.5
80°	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.7	6.5
78.75°	9.8	9.6	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3
77.5°	10.9	10.6	10.3	10.1	9.8	9.5	9.2	8.9	8.6	8.4	8.1
76.25°	11.9	11.6	11.3	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.8
75°	13.0	12.7	12.4	12.0	11.7	11.4	11.0	10.7	10.3	10.0	9.6
73.75°	13.8	13.5	13.3	13.0	12.7	12.3	11.9	11.5	11.2	10.8	10.4
72.5°	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.4	12.0	11.6	11.2
71.25°	15.4	15.1	14.8	14.5	14.2	13.9	13.5	13.2	12.8	12.4	11.9
70°	16.0	15.7	15.5	15.3	14.9	14.6	14.2	13.9	13.5	13.1	12.7
68.75°	16.5	16.2	16.0	15.8	15.6	15.3	14.9	14.5	14.1	13.7	13.3
67.5°	17.0	16.8	16.5	16.3	16.0	15.8	15.5	15.2	14.8	14.4	13.9
66.25°	18.0	17.5	17.0	16.7	16.5	16.2	15.9	15.7	15.4	15.0	14.5
65°	19.0	18.5	18.0	17.4	16.9	16.7	16.4	16.1	15.8	15.5	15.1
63.75°	20.1	19.5	18.9	18.4	17.8	17.2	16.8	16.5	16.2	15.9	15.6
62.5°	21.5	20.6	19.9	19.3	18.7	18.1	17.5	16.9	16.6	16.3	15.9
61.25°	23.1	22.1	21.2	20.2	19.6	19.0	18.3	17.6	17.0	16.6	16.3
60°	24.6	23.6	22.6	21.6	20.6	19.8	19.1	18.4	17.7	17.0	16.7
58.75°	26.3	25.1	24.1	23.0	22.0	20.9	20.0	19.2	18.5	17.8	17.0
57.5°	28.0	26.8	25.6	24.4	23.3	22.2	21.1	20.0	19.3	18.5	17.7
56.25°	29.7	28.4	27.2	25.9	24.6	23.5	22.3	21.1	20.0	19.2	18.4
55°	31.5	30.1	28.8	27.4	26.1	24.8	23.5	22.3	21.1	20.0	19.1
53.75°	33.4	31.9	30.3	29.0	27.6	26.1	24.8	23.5	22.2	20.9	19.8
52.5°	35.3	33.7	32.1	30.5	29.0	27.6	26.1	24.6	23.3	22.0	20.6
51.25°	37.2	35.6	33.9	32.2	30.5	29.0	27.4	25.9	24.4	23.0	21.6
50°	39.1	37.4	35.7	33.9	32.1	30.3	28.8	27.2	25.6	24.1	22.6
48.75°	40.9	39.2	37.4	35.6	33.7	31.9	30.1	28.4	26.8	25.1	23.6
47.5°	42.7	40.9	39.1	37.2	35.3	33.4	31.5	29.7	28.0	26.3	24.6
46.25°	44.2	42.6	40.8	38.9	36.9	35.0	33.0	30.9	29.2	27.4	25.6
45°	45.3	44.1	42.4	40.5	38.5	36.5	34.4	32.3	30.3	28.5	26.7
43.75°	46.4	45.1	43.9	42.0	40.0	37.9	35.8	33.7	31.6	29.6	27.7
42.5°	47.5	46.2	44.9	43.6	41.5	39.4	37.2	35.1	32.9	30.7	28.8
41.25°	48.7	47.2	45.9	44.5	42.9	40.8	38.6	36.4	34.1	31.9	29.8
40°	49.9	48.3	46.9	45.5	44.1	42.2	39.9	37.7	35.4	33.1	30.8
38.75°	51.1	49.5	47.9	46.4	45.0	43.5	41.2	38.9	36.6	34.2	31.9
37.5°	52.3	50.7	49.0	47.3	45.9	44.4	42.5	40.2	37.8	35.4	33.0
36.25°	52.8	51.8	50.0	48.3	46.7	45.2	43.7	41.3	38.9	36.5	34.0
35°	53.2	52.6	51.1	49.3	47.6	46.0	44.5	42.5	40.0	37.6	35.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	53.6	53.0	52.1	50.3	48.5	46.8	45.2	43.6	41.1	38.6	36.1
32.5°	54.0	53.4	52.7	51.3	49.4	47.6	45.9	44.3	42.2	39.6	37.0
31.25°	54.2	53.7	53.1	52.2	50.3	48.4	46.7	45.0	43.2	40.6	38.0
30°	54.2	54.1	53.4	52.7	51.2	49.2	47.3	45.7	44.0	41.5	38.9
28.75°	54.2	54.2	53.7	53.0	52.0	50.1	48.1	46.3	44.6	42.5	39.8
27.5°	54.2	54.2	54.0	53.3	52.6	50.8	48.8	46.9	45.2	43.3	40.6
26.25°	54.2	54.2	54.2	53.6	52.9	51.6	49.5	47.5	45.7	44.0	41.4
25°	54.2	54.2	54.2	53.9	53.2	52.3	50.2	48.1	46.3	44.5	42.2
23.75°	54.2	54.2	54.2	54.2	53.4	52.7	50.9	48.8	46.8	45.0	42.9
22.5°	54.2	54.2	54.2	54.2	53.7	52.9	51.5	49.4	47.3	45.5	43.6
21.25°	54.2	54.2	54.2	54.2	53.9	53.1	52.1	50.0	47.8	45.9	44.1
20°	54.2	54.2	54.2	54.2	54.1	53.4	52.6	50.5	48.3	46.3	44.5
18.75°	54.2	54.2	54.2	54.2	54.2	53.6	52.8	51.0	48.8	46.8	44.8
17.5°	54.3	54.2	54.2	54.2	54.2	53.7	53.0	51.5	49.3	47.1	45.2
16.25°	54.5	54.2	54.2	54.2	54.2	53.9	53.1	52.0	49.7	47.5	45.5
15°	54.7	54.2	54.2	54.2	54.2	54.1	53.3	52.4	50.1	47.8	45.9
13.75°	54.8	54.2	54.2	54.2	54.2	54.2	53.4	52.6	50.5	48.2	46.2
12.5°	55.0	54.2	54.2	54.2	54.2	54.2	53.6	52.7	50.8	48.5	46.4
11.25°	55.2	54.4	54.2	54.2	54.2	54.2	53.7	52.9	51.2	48.8	46.7
10°	55.3	54.5	54.2	54.2	54.2	54.2	53.8	53.0	51.4	49.1	46.9
8.75°	55.4	54.6	54.2	54.2	54.2	54.2	53.9	53.0	51.7	49.3	47.1
7.5°	55.5	54.7	54.2	54.2	54.2	54.2	54.0	53.1	51.9	49.5	47.2
6.25°	55.6	54.8	54.2	54.2	54.2	54.2	54.0	53.2	52.1	49.7	47.4
5°	55.7	54.9	54.2	54.2	54.2	54.2	54.1	53.3	52.2	49.8	47.5
3.75°	55.7	54.9	54.2	54.2	54.2	54.2	54.1	53.3	52.4	50.0	47.6
2.5°	55.8	55.0	54.2	54.2	54.2	54.2	54.2	53.3	52.4	50.0	47.6
1.25°	55.8	55.0	54.2	54.2	54.2	54.2	54.2	53.3	52.5	50.1	47.7
0°	55.8	55.0	54.2	54.2	54.2	54.2	54.2	53.4	52.5	50.1	47.7
-1.25°	55.8	55.0	54.2	54.2	54.2	54.2	54.2	53.3	52.5	50.1	47.7
-2.5°	55.8	55.0	54.2	54.2	54.2	54.2	54.2	53.3	52.4	50.0	47.6
-3.75°	55.7	54.9	54.2	54.2	54.2	54.2	54.1	53.3	52.4	50.0	47.6
-5°	55.7	54.9	54.2	54.2	54.2	54.2	54.1	53.3	52.2	49.8	47.5
-6.25°	55.6	54.8	54.2	54.2	54.2	54.2	54.0	53.2	52.1	49.7	47.4
-7.5°	55.5	54.7	54.2	54.2	54.2	54.2	54.0	53.1	51.9	49.5	47.2
-8.75°	55.4	54.6	54.2	54.2	54.2	54.2	53.9	53.0	51.7	49.3	47.1
-10°	55.3	54.5	54.2	54.2	54.2	54.2	53.8	53.0	51.4	49.1	46.9
-11.25°	55.2	54.4	54.2	54.2	54.2	54.2	53.7	52.9	51.2	48.8	46.7
-12.5°	55.0	54.2	54.2	54.2	54.2	54.2	53.6	52.7	50.8	48.5	46.4
-13.75°	54.8	54.2	54.2	54.2	54.2	54.2	53.4	52.6	50.5	48.2	46.2
-15°	54.7	54.2	54.2	54.2	54.2	54.1	53.3	52.4	50.1	47.8	45.9
-16.25°	54.5	54.2	54.2	54.2	54.2	53.9	53.1	52.0	49.7	47.5	45.5
-17.5°	54.3	54.2	54.2	54.2	54.2	53.7	53.0	51.5	49.3	47.1	45.2
-18.75°	54.2	54.2	54.2	54.2	54.2	53.6	52.8	51.0	48.8	46.8	44.8
-20°	54.2	54.2	54.2	54.2	54.1	53.4	52.6	50.5	48.3	46.3	44.5
-21.25°	54.2	54.2	54.2	54.2	53.9	53.1	52.1	50.0	47.8	45.9	44.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	54.2	54.2	54.2	54.2	53.7	52.9	51.5	49.4	47.3	45.5	43.6
-23.75°	54.2	54.2	54.2	54.2	53.4	52.7	50.9	48.8	46.8	45.0	42.9
-25°	54.2	54.2	54.2	53.9	53.2	52.3	50.2	48.1	46.3	44.5	42.2
-26.25°	54.2	54.2	54.2	53.6	52.9	51.6	49.5	47.5	45.7	44.0	41.4
-27.5°	54.2	54.2	54.0	53.3	52.6	50.8	48.8	46.9	45.2	43.3	40.6
-28.75°	54.2	54.2	53.7	53.0	52.0	50.1	48.1	46.3	44.6	42.5	39.8
-30°	54.2	54.1	53.4	52.7	51.2	49.2	47.3	45.7	44.0	41.5	38.9
-31.25°	54.2	53.7	53.1	52.2	50.3	48.4	46.7	45.0	43.2	40.6	38.0
-32.5°	54.0	53.4	52.7	51.3	49.4	47.6	45.9	44.3	42.2	39.6	37.0
-33.75°	53.6	53.0	52.1	50.3	48.5	46.8	45.2	43.6	41.1	38.6	36.1
-35°	53.2	52.6	51.1	49.3	47.6	46.0	44.5	42.5	40.0	37.6	35.1
-36.25°	52.8	51.8	50.0	48.3	46.7	45.2	43.7	41.3	38.9	36.5	34.0
-37.5°	52.3	50.7	49.0	47.3	45.9	44.4	42.5	40.2	37.8	35.4	33.0
-38.75°	51.1	49.5	47.9	46.4	45.0	43.5	41.2	38.9	36.6	34.2	31.9
-40°	49.9	48.3	46.9	45.5	44.1	42.2	39.9	37.7	35.4	33.1	30.8
-41.25°	48.7	47.2	45.9	44.5	42.9	40.8	38.6	36.4	34.1	31.9	29.8
-42.5°	47.5	46.2	44.9	43.6	41.5	39.4	37.2	35.1	32.9	30.7	28.8
-43.75°	46.4	45.1	43.9	42.0	40.0	37.9	35.8	33.7	31.6	29.6	27.7
-45°	45.3	44.1	42.4	40.5	38.5	36.5	34.4	32.3	30.3	28.5	26.7
-46.25°	44.2	42.6	40.8	38.9	36.9	35.0	33.0	30.9	29.2	27.4	25.6
-47.5°	42.7	40.9	39.1	37.2	35.3	33.4	31.5	29.7	28.0	26.3	24.6
-48.75°	40.9	39.2	37.4	35.6	33.7	31.9	30.1	28.4	26.8	25.1	23.6
-50°	39.1	37.4	35.7	33.9	32.1	30.3	28.8	27.2	25.6	24.1	22.6
-51.25°	37.2	35.6	33.9	32.2	30.5	29.0	27.4	25.9	24.4	23.0	21.6
-52.5°	35.3	33.7	32.1	30.5	29.0	27.6	26.1	24.6	23.3	22.0	20.6
-53.75°	33.4	31.9	30.3	29.0	27.6	26.1	24.8	23.5	22.2	20.9	19.8
-55°	31.5	30.1	28.8	27.4	26.1	24.8	23.5	22.3	21.1	20.0	19.1
-56.25°	29.7	28.4	27.2	25.9	24.6	23.5	22.3	21.1	20.0	19.2	18.4
-57.5°	28.0	26.8	25.6	24.4	23.3	22.2	21.1	20.0	19.3	18.5	17.7
-58.75°	26.3	25.1	24.1	23.0	22.0	20.9	20.0	19.2	18.5	17.8	17.0
-60°	24.6	23.6	22.6	21.6	20.6	19.8	19.1	18.4	17.7	17.0	16.7
-61.25°	23.1	22.1	21.2	20.2	19.6	19.0	18.3	17.6	17.0	16.6	16.3
-62.5°	21.5	20.6	19.9	19.3	18.7	18.1	17.5	16.9	16.6	16.3	15.9
-63.75°	20.1	19.5	18.9	18.4	17.8	17.2	16.8	16.5	16.2	15.9	15.6
-65°	19.0	18.5	18.0	17.4	16.9	16.7	16.4	16.1	15.8	15.5	15.1
-66.25°	18.0	17.5	17.0	16.7	16.5	16.2	15.9	15.7	15.4	15.0	14.5
-67.5°	17.0	16.8	16.5	16.3	16.0	15.8	15.5	15.2	14.8	14.4	13.9
-68.75°	16.5	16.2	16.0	15.8	15.6	15.3	14.9	14.5	14.1	13.7	13.3
-70°	16.0	15.7	15.5	15.3	14.9	14.6	14.2	13.9	13.5	13.1	12.7
-71.25°	15.4	15.1	14.8	14.5	14.2	13.9	13.5	13.2	12.8	12.4	11.9
-72.5°	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.4	12.0	11.6	11.2
-73.75°	13.8	13.5	13.3	13.0	12.7	12.3	11.9	11.5	11.2	10.8	10.4
-75°	13.0	12.7	12.4	12.0	11.7	11.4	11.0	10.7	10.3	10.0	9.6
-76.25°	11.9	11.6	11.3	11.1	10.7	10.4	10.1	9.8	9.5	9.2	8.8
-77.5°	10.9	10.6	10.3	10.1	9.8	9.5	9.2	8.9	8.6	8.4	8.1



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	9.8	9.6	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3
-80°	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.2	7.0	6.7	6.5
-81.25°	7.7	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.7	5.5
-82.5°	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.9	4.7	4.4
-83.75°	5.2	5.1	4.9	4.7	4.5	4.4	4.2	4.0	3.8	3.6	3.4
-85°	3.8	3.7	3.6	3.4	3.3	3.1	3.0	2.9	2.7	2.5	2.4
-86.25°	2.5	2.4	2.3	2.3	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-87.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-88.75°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
83.75°	3.2	3.0	2.8	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
82.5°	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.3	2.2	2.0
81.25°	5.2	4.9	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3
80°	6.2	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.5	3.2	2.9
78.75°	7.0	6.7	6.4	6.1	5.7	5.3	4.9	4.6	4.2	3.8	3.4
77.5°	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.3	4.8	4.4	4.0
76.25°	8.5	8.2	7.8	7.5	7.1	6.8	6.4	5.9	5.5	5.0	4.6
75°	9.3	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.1	5.6	5.1
73.75°	10.0	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.7	6.2	5.7
72.5°	10.7	10.3	9.9	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.2
71.25°	11.5	11.0	10.6	10.1	9.6	9.1	8.7	8.2	7.7	7.2	6.7
70°	12.2	11.7	11.2	10.7	10.2	9.7	9.2	8.7	8.2	7.7	7.1
68.75°	12.9	12.4	11.9	11.4	10.8	10.3	9.8	9.2	8.7	8.1	7.6
67.5°	13.5	13.1	12.6	12.0	11.4	10.9	10.3	9.7	9.1	8.6	8.0
66.25°	14.1	13.6	13.2	12.6	12.0	11.4	10.8	10.2	9.6	9.0	8.4
65°	14.6	14.2	13.7	13.2	12.6	12.0	11.4	10.7	10.1	9.4	8.8
63.75°	15.2	14.7	14.2	13.7	13.2	12.6	11.9	11.2	10.6	9.9	9.2
62.5°	15.6	15.2	14.7	14.2	13.6	13.1	12.4	11.7	11.0	10.3	9.6
61.25°	16.0	15.6	15.2	14.6	14.1	13.5	12.9	12.2	11.5	10.7	10.0
60°	16.3	15.9	15.6	15.1	14.5	13.9	13.3	12.7	11.9	11.2	10.4
58.75°	16.6	16.3	15.9	15.5	15.0	14.4	13.7	13.1	12.4	11.6	10.8
57.5°	17.0	16.6	16.2	15.8	15.4	14.8	14.1	13.5	12.8	12.0	11.2
56.25°	17.6	16.9	16.5	16.1	15.7	15.2	14.5	13.9	13.2	12.4	11.5
55°	18.3	17.5	16.8	16.4	15.9	15.5	14.9	14.2	13.5	12.8	11.9
53.75°	19.0	18.1	17.2	16.7	16.2	15.8	15.3	14.6	13.9	13.1	12.3
52.5°	19.6	18.7	17.8	16.9	16.5	16.0	15.6	14.9	14.2	13.4	12.7
51.25°	20.2	19.3	18.4	17.4	16.7	16.3	15.8	15.3	14.5	13.7	13.0
50°	21.2	19.9	18.9	18.0	17.0	16.5	16.0	15.5	14.8	14.0	13.3
48.75°	22.1	20.6	19.5	18.5	17.5	16.8	16.2	15.7	15.1	14.3	13.5
47.5°	23.1	21.5	20.1	19.0	18.0	17.0	16.5	16.0	15.4	14.6	13.8
46.25°	24.0	22.4	20.8	19.6	18.5	17.4	16.7	16.2	15.6	14.9	14.1
45°	24.9	23.3	21.6	20.1	19.0	17.9	16.9	16.4	15.8	15.2	14.3
43.75°	25.8	24.1	22.4	20.7	19.4	18.3	17.2	16.6	16.0	15.4	14.6
42.5°	26.8	24.9	23.2	21.5	19.9	18.8	17.6	16.7	16.2	15.6	14.8
41.25°	27.8	25.8	24.0	22.2	20.4	19.2	18.0	16.9	16.4	15.8	15.0
40°	28.7	26.7	24.7	22.9	21.1	19.6	18.4	17.2	16.5	15.9	15.3
38.75°	29.7	27.6	25.5	23.6	21.8	20.0	18.8	17.6	16.7	16.1	15.5
37.5°	30.5	28.4	26.3	24.3	22.4	20.5	19.2	18.0	16.9	16.2	15.6
36.25°	31.5	29.3	27.1	25.0	23.0	21.1	19.6	18.3	17.0	16.4	15.7
35°	32.5	30.1	27.9	25.7	23.7	21.7	19.9	18.6	17.3	16.5	15.9



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	33.5	30.9	28.6	26.4	24.2	22.3	20.3	18.9	17.6	16.7	16.0
32.5°	34.4	31.8	29.4	27.1	24.8	22.8	20.8	19.3	17.9	16.8	16.1
31.25°	35.3	32.7	30.1	27.7	25.4	23.3	21.3	19.6	18.2	16.9	16.3
30°	36.2	33.5	30.8	28.4	26.0	23.8	21.8	19.9	18.5	17.1	16.4
28.75°	37.0	34.3	31.5	29.0	26.6	24.3	22.2	20.1	18.8	17.4	16.5
27.5°	37.9	35.1	32.3	29.6	27.2	24.8	22.7	20.5	19.0	17.6	16.6
26.25°	38.6	35.8	33.0	30.2	27.7	25.3	23.1	20.9	19.2	17.8	16.7
25°	39.4	36.5	33.6	30.8	28.3	25.8	23.5	21.3	19.5	18.0	16.8
23.75°	40.1	37.2	34.3	31.4	28.8	26.2	23.9	21.7	19.7	18.2	16.9
22.5°	40.7	37.8	34.9	32.0	29.2	26.7	24.2	22.0	19.9	18.4	17.0
21.25°	41.4	38.5	35.5	32.5	29.7	27.1	24.6	22.3	20.1	18.6	17.2
20°	42.0	39.0	36.1	33.0	30.1	27.5	24.9	22.6	20.4	18.8	17.3
18.75°	42.6	39.6	36.6	33.5	30.5	27.9	25.3	22.9	20.6	19.0	17.5
17.5°	43.1	40.1	37.1	34.0	30.9	28.2	25.6	23.2	20.9	19.1	17.6
16.25°	43.6	40.6	37.5	34.4	31.3	28.6	25.9	23.5	21.1	19.3	17.7
15°	43.9	41.0	37.9	34.8	31.7	28.9	26.2	23.7	21.4	19.4	17.9
13.75°	44.2	41.4	38.3	35.2	32.1	29.2	26.5	23.9	21.6	19.5	18.0
12.5°	44.4	41.8	38.7	35.6	32.4	29.4	26.7	24.1	21.7	19.7	18.1
11.25°	44.7	42.1	39.0	35.9	32.7	29.7	26.9	24.3	21.9	19.8	18.2
10°	44.9	42.4	39.3	36.1	33.0	29.9	27.1	24.5	22.1	19.8	18.3
8.75°	45.1	42.7	39.6	36.4	33.2	30.1	27.3	24.6	22.2	19.9	18.4
7.5°	45.2	42.9	39.8	36.6	33.4	30.2	27.5	24.8	22.3	20.0	18.4
6.25°	45.3	43.1	40.0	36.8	33.6	30.4	27.6	24.9	22.4	20.1	18.5
5°	45.5	43.3	40.1	36.9	33.7	30.5	27.7	24.9	22.5	20.1	18.5
3.75°	45.5	43.4	40.2	37.1	33.8	30.6	27.8	25.0	22.6	20.2	18.6
2.5°	45.6	43.5	40.3	37.1	33.9	30.6	27.9	25.1	22.6	20.2	18.6
1.25°	45.6	43.6	40.4	37.2	33.9	30.7	27.9	25.1	22.6	20.2	18.6
0°	45.7	43.6	40.4	37.2	34.0	30.7	27.9	25.1	22.7	20.2	18.6
-1.25°	45.6	43.6	40.4	37.2	33.9	30.7	27.9	25.1	22.6	20.2	18.6
-2.5°	45.6	43.5	40.3	37.1	33.9	30.6	27.9	25.1	22.6	20.2	18.6
-3.75°	45.5	43.4	40.2	37.1	33.8	30.6	27.8	25.0	22.6	20.2	18.6
-5°	45.5	43.3	40.1	36.9	33.7	30.5	27.7	24.9	22.5	20.1	18.5
-6.25°	45.3	43.1	40.0	36.8	33.6	30.4	27.6	24.9	22.4	20.1	18.5
-7.5°	45.2	42.9	39.8	36.6	33.4	30.2	27.5	24.8	22.3	20.0	18.4
-8.75°	45.1	42.7	39.6	36.4	33.2	30.1	27.3	24.6	22.2	19.9	18.4
-10°	44.9	42.4	39.3	36.1	33.0	29.9	27.1	24.5	22.1	19.8	18.3
-11.25°	44.7	42.1	39.0	35.9	32.7	29.7	26.9	24.3	21.9	19.8	18.2
-12.5°	44.4	41.8	38.7	35.6	32.4	29.4	26.7	24.1	21.7	19.7	18.1
-13.75°	44.2	41.4	38.3	35.2	32.1	29.2	26.5	23.9	21.6	19.5	18.0
-15°	43.9	41.0	37.9	34.8	31.7	28.9	26.2	23.7	21.4	19.4	17.9
-16.25°	43.6	40.6	37.5	34.4	31.3	28.6	25.9	23.5	21.1	19.3	17.7
-17.5°	43.1	40.1	37.1	34.0	30.9	28.2	25.6	23.2	20.9	19.1	17.6
-18.75°	42.6	39.6	36.6	33.5	30.5	27.9	25.3	22.9	20.6	19.0	17.5
-20°	42.0	39.0	36.1	33.0	30.1	27.5	24.9	22.6	20.4	18.8	17.3
-21.25°	41.4	38.5	35.5	32.5	29.7	27.1	24.6	22.3	20.1	18.6	17.2

REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	40.7	37.8	34.9	32.0	29.2	26.7	24.2	22.0	19.9	18.4	17.0
-23.75°	40.1	37.2	34.3	31.4	28.8	26.2	23.9	21.7	19.7	18.2	16.9
-25°	39.4	36.5	33.6	30.8	28.3	25.8	23.5	21.3	19.5	18.0	16.8
-26.25°	38.6	35.8	33.0	30.2	27.7	25.3	23.1	20.9	19.2	17.8	16.7
-27.5°	37.9	35.1	32.3	29.6	27.2	24.8	22.7	20.5	19.0	17.6	16.6
-28.75°	37.0	34.3	31.5	29.0	26.6	24.3	22.2	20.1	18.8	17.4	16.5
-30°	36.2	33.5	30.8	28.4	26.0	23.8	21.8	19.9	18.5	17.1	16.4
-31.25°	35.3	32.7	30.1	27.7	25.4	23.3	21.3	19.6	18.2	16.9	16.3
-32.5°	34.4	31.8	29.4	27.1	24.8	22.8	20.8	19.3	17.9	16.8	16.1
-33.75°	33.5	30.9	28.6	26.4	24.2	22.3	20.3	18.9	17.6	16.7	16.0
-35°	32.5	30.1	27.9	25.7	23.7	21.7	19.9	18.6	17.3	16.5	15.9
-36.25°	31.5	29.3	27.1	25.0	23.0	21.1	19.6	18.3	17.0	16.4	15.7
-37.5°	30.5	28.4	26.3	24.3	22.4	20.5	19.2	18.0	16.9	16.2	15.6
-38.75°	29.7	27.6	25.5	23.6	21.8	20.0	18.8	17.6	16.7	16.1	15.5
-40°	28.7	26.7	24.7	22.9	21.1	19.6	18.4	17.2	16.5	15.9	15.3
-41.25°	27.8	25.8	24.0	22.2	20.4	19.2	18.0	16.9	16.4	15.8	15.0
-42.5°	26.8	24.9	23.2	21.5	19.9	18.8	17.6	16.7	16.2	15.6	14.8
-43.75°	25.8	24.1	22.4	20.7	19.4	18.3	17.2	16.6	16.0	15.4	14.6
-45°	24.9	23.3	21.6	20.1	19.0	17.9	16.9	16.4	15.8	15.2	14.3
-46.25°	24.0	22.4	20.8	19.6	18.5	17.4	16.7	16.2	15.6	14.9	14.1
-47.5°	23.1	21.5	20.1	19.0	18.0	17.0	16.5	16.0	15.4	14.6	13.8
-48.75°	22.1	20.6	19.5	18.5	17.5	16.8	16.2	15.7	15.1	14.3	13.5
-50°	21.2	19.9	18.9	18.0	17.0	16.5	16.0	15.5	14.8	14.0	13.3
-51.25°	20.2	19.3	18.4	17.4	16.7	16.3	15.8	15.3	14.5	13.7	13.0
-52.5°	19.6	18.7	17.8	16.9	16.5	16.0	15.6	14.9	14.2	13.4	12.7
-53.75°	19.0	18.1	17.2	16.7	16.2	15.8	15.3	14.6	13.9	13.1	12.3
-55°	18.3	17.5	16.8	16.4	15.9	15.5	14.9	14.2	13.5	12.8	11.9
-56.25°	17.6	16.9	16.5	16.1	15.7	15.2	14.5	13.9	13.2	12.4	11.5
-57.5°	17.0	16.6	16.2	15.8	15.4	14.8	14.1	13.5	12.8	12.0	11.2
-58.75°	16.6	16.3	15.9	15.5	15.0	14.4	13.7	13.1	12.4	11.6	10.8
-60°	16.3	15.9	15.6	15.1	14.5	13.9	13.3	12.7	11.9	11.2	10.4
-61.25°	16.0	15.6	15.2	14.6	14.1	13.5	12.9	12.2	11.5	10.7	10.0
-62.5°	15.6	15.2	14.7	14.2	13.6	13.1	12.4	11.7	11.0	10.3	9.6
-63.75°	15.2	14.7	14.2	13.7	13.2	12.6	11.9	11.2	10.6	9.9	9.2
-65°	14.6	14.2	13.7	13.2	12.6	12.0	11.4	10.7	10.1	9.4	8.8
-66.25°	14.1	13.6	13.2	12.6	12.0	11.4	10.8	10.2	9.6	9.0	8.4
-67.5°	13.5	13.1	12.6	12.0	11.4	10.9	10.3	9.7	9.1	8.6	8.0
-68.75°	12.9	12.4	11.9	11.4	10.8	10.3	9.8	9.2	8.7	8.1	7.6
-70°	12.2	11.7	11.2	10.7	10.2	9.7	9.2	8.7	8.2	7.7	7.1
-71.25°	11.5	11.0	10.6	10.1	9.6	9.1	8.7	8.2	7.7	7.2	6.7
-72.5°	10.7	10.3	9.9	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.2
-73.75°	10.0	9.6	9.2	8.8	8.4	8.0	7.6	7.1	6.7	6.2	5.7
-75°	9.3	8.9	8.5	8.1	7.8	7.4	7.0	6.6	6.1	5.6	5.1
-76.25°	8.5	8.2	7.8	7.5	7.1	6.8	6.4	5.9	5.5	5.0	4.6
-77.5°	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.3	4.8	4.4	4.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	7.0	6.7	6.4	6.1	5.7	5.3	4.9	4.6	4.2	3.8	3.4
-80°	6.2	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.5	3.2	2.9
-81.25°	5.2	4.9	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3
-82.5°	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.3	2.2	2.0
-83.75°	3.2	3.0	2.8	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.7
-85°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-86.25°	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
-87.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-88.75°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
78.75°	3.0	2.7	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
77.5°	3.6	3.1	2.7	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
76.25°	4.1	3.6	3.1	2.7	2.3	2.0	1.7	1.4	1.1	0.9	0.6
75°	4.6	4.1	3.6	3.0	2.5	2.2	1.9	1.6	1.2	0.9	0.6
73.75°	5.1	4.6	4.0	3.4	2.9	2.3	2.0	1.7	1.3	1.0	0.7
72.5°	5.6	5.0	4.4	3.8	3.2	2.6	2.2	1.8	1.4	1.1	0.7
71.25°	6.1	5.5	4.8	4.2	3.5	2.9	2.3	1.9	1.5	1.2	0.8
70°	6.6	5.9	5.3	4.6	3.9	3.2	2.5	2.0	1.6	1.2	0.8
68.75°	7.0	6.4	5.7	4.9	4.2	3.5	2.7	2.2	1.7	1.3	0.9
67.5°	7.4	6.8	6.1	5.3	4.5	3.8	3.0	2.3	1.8	1.4	0.9
66.25°	7.8	7.1	6.5	5.7	4.9	4.1	3.2	2.4	1.9	1.4	1.0
65°	8.1	7.5	6.8	6.1	5.2	4.3	3.5	2.6	2.0	1.5	1.0
63.75°	8.5	7.8	7.1	6.4	5.5	4.6	3.7	2.8	2.1	1.6	1.1
62.5°	8.9	8.2	7.4	6.7	5.8	4.9	4.0	3.0	2.2	1.7	1.1
61.25°	9.3	8.5	7.7	7.0	6.2	5.2	4.2	3.2	2.3	1.7	1.2
60°	9.6	8.8	8.1	7.3	6.5	5.5	4.4	3.4	2.4	1.8	1.2
58.75°	10.0	9.2	8.4	7.5	6.7	5.7	4.7	3.6	2.5	1.9	1.2
57.5°	10.3	9.5	8.6	7.8	7.0	6.0	4.9	3.8	2.7	1.9	1.3
56.25°	10.7	9.8	8.9	8.1	7.2	6.3	5.1	4.0	2.9	2.0	1.3
55°	11.0	10.1	9.2	8.3	7.4	6.5	5.3	4.2	3.0	2.1	1.4
53.75°	11.4	10.4	9.5	8.6	7.6	6.7	5.6	4.4	3.1	2.1	1.4
52.5°	11.7	10.7	9.8	8.8	7.9	6.9	5.8	4.5	3.3	2.2	1.5
51.25°	12.0	11.1	10.1	9.1	8.1	7.1	6.0	4.7	3.4	2.3	1.5
50°	12.4	11.3	10.3	9.3	8.3	7.3	6.2	4.9	3.6	2.3	1.5
48.75°	12.7	11.6	10.6	9.6	8.5	7.5	6.4	5.1	3.7	2.4	1.6
47.5°	13.0	11.9	10.9	9.8	8.7	7.7	6.6	5.2	3.8	2.5	1.6
46.25°	13.2	12.2	11.1	10.0	8.9	7.8	6.7	5.4	4.0	2.6	1.7
45°	13.4	12.5	11.4	10.2	9.1	8.0	6.9	5.5	4.1	2.6	1.7
43.75°	13.7	12.8	11.6	10.5	9.3	8.2	7.0	5.7	4.2	2.7	1.7
42.5°	13.9	13.0	11.9	10.7	9.5	8.3	7.2	5.9	4.3	2.8	1.8
41.25°	14.1	13.2	12.1	10.9	9.7	8.5	7.3	6.0	4.5	2.9	1.8
40°	14.3	13.4	12.3	11.1	9.9	8.7	7.4	6.1	4.6	3.0	1.8
38.75°	14.5	13.6	12.5	11.3	10.1	8.8	7.6	6.3	4.7	3.1	1.9
37.5°	14.7	13.8	12.8	11.5	10.2	9.0	7.7	6.4	4.8	3.2	1.9
36.25°	14.9	14.0	13.0	11.7	10.4	9.1	7.8	6.5	4.9	3.3	1.9
35°	15.1	14.1	13.1	11.9	10.6	9.3	8.0	6.6	5.0	3.3	2.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	15.3	14.3	13.3	12.0	10.7	9.4	8.1	6.7	5.1	3.4	2.0
32.5°	15.5	14.5	13.4	12.2	10.9	9.5	8.2	6.8	5.2	3.5	2.0
31.25°	15.6	14.6	13.6	12.4	11.0	9.7	8.3	6.9	5.3	3.6	2.1
30°	15.7	14.8	13.7	12.6	11.2	9.8	8.4	7.0	5.4	3.6	2.1
28.75°	15.8	14.9	13.8	12.7	11.3	9.9	8.5	7.1	5.5	3.7	2.1
27.5°	15.9	15.1	14.0	12.9	11.4	10.0	8.6	7.2	5.6	3.8	2.1
26.25°	16.0	15.2	14.1	13.0	11.6	10.1	8.7	7.3	5.7	3.8	2.2
25°	16.1	15.3	14.2	13.1	11.7	10.2	8.8	7.3	5.7	3.9	2.2
23.75°	16.2	15.4	14.3	13.2	11.8	10.3	8.9	7.4	5.8	3.9	2.2
22.5°	16.3	15.5	14.4	13.3	11.9	10.4	9.0	7.5	5.9	4.0	2.2
21.25°	16.3	15.6	14.5	13.4	12.0	10.5	9.0	7.6	5.9	4.0	2.2
20°	16.4	15.7	14.6	13.5	12.1	10.6	9.1	7.6	6.0	4.1	2.3
18.75°	16.5	15.7	14.7	13.5	12.2	10.7	9.2	7.7	6.1	4.1	2.3
17.5°	16.5	15.8	14.8	13.6	12.3	10.8	9.3	7.7	6.1	4.2	2.3
16.25°	16.6	15.8	14.9	13.7	12.4	10.8	9.3	7.8	6.2	4.2	2.3
15°	16.7	15.9	15.0	13.8	12.5	10.9	9.4	7.8	6.2	4.2	2.3
13.75°	16.7	15.9	15.0	13.8	12.5	11.0	9.4	7.9	6.3	4.3	2.3
12.5°	16.8	16.0	15.1	13.9	12.6	11.0	9.5	7.9	6.3	4.3	2.3
11.25°	16.8	16.0	15.2	13.9	12.7	11.1	9.5	7.9	6.3	4.3	2.4
10°	16.9	16.1	15.2	14.0	12.7	11.1	9.6	8.0	6.4	4.4	2.4
8.75°	16.9	16.1	15.3	14.0	12.7	11.2	9.6	8.0	6.4	4.4	2.4
7.5°	16.9	16.1	15.3	14.1	12.8	11.2	9.6	8.0	6.4	4.4	2.4
6.25°	16.9	16.1	15.3	14.1	12.8	11.2	9.6	8.1	6.5	4.4	2.4
5°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
3.75°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
2.5°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
1.25°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
0°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
-1.25°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
-2.5°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
-3.75°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
-5°	17.0	16.2	15.4	14.1	12.9	11.3	9.7	8.1	6.5	4.4	2.4
-6.25°	16.9	16.1	15.3	14.1	12.8	11.2	9.6	8.1	6.5	4.4	2.4
-7.5°	16.9	16.1	15.3	14.1	12.8	11.2	9.6	8.0	6.4	4.4	2.4
-8.75°	16.9	16.1	15.3	14.0	12.7	11.2	9.6	8.0	6.4	4.4	2.4
-10°	16.9	16.1	15.2	14.0	12.7	11.1	9.6	8.0	6.4	4.4	2.4
-11.25°	16.8	16.0	15.2	13.9	12.7	11.1	9.5	7.9	6.3	4.3	2.4
-12.5°	16.8	16.0	15.1	13.9	12.6	11.0	9.5	7.9	6.3	4.3	2.3
-13.75°	16.7	15.9	15.0	13.8	12.5	11.0	9.4	7.9	6.3	4.3	2.3
-15°	16.7	15.9	15.0	13.8	12.5	10.9	9.4	7.8	6.2	4.2	2.3
-16.25°	16.6	15.8	14.9	13.7	12.4	10.8	9.3	7.8	6.2	4.2	2.3
-17.5°	16.5	15.8	14.8	13.6	12.3	10.8	9.3	7.7	6.1	4.2	2.3
-18.75°	16.5	15.7	14.7	13.5	12.2	10.7	9.2	7.7	6.1	4.1	2.3
-20°	16.4	15.7	14.6	13.5	12.1	10.6	9.1	7.6	6.0	4.1	2.3
-21.25°	16.3	15.6	14.5	13.4	12.0	10.5	9.0	7.6	5.9	4.0	2.2



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-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°	16.3	15.5	14.4	13.3	11.9	10.4	9.0	7.5	5.9	4.0	2.2
-23.75°	16.2	15.4	14.3	13.2	11.8	10.3	8.9	7.4	5.8	3.9	2.2
-25°	16.1	15.3	14.2	13.1	11.7	10.2	8.8	7.3	5.7	3.9	2.2
-26.25°	16.0	15.2	14.1	13.0	11.6	10.1	8.7	7.3	5.7	3.8	2.2
-27.5°	15.9	15.1	14.0	12.9	11.4	10.0	8.6	7.2	5.6	3.8	2.1
-28.75°	15.8	14.9	13.8	12.7	11.3	9.9	8.5	7.1	5.5	3.7	2.1
-30°	15.7	14.8	13.7	12.6	11.2	9.8	8.4	7.0	5.4	3.6	2.1
-31.25°	15.6	14.6	13.6	12.4	11.0	9.7	8.3	6.9	5.3	3.6	2.1
-32.5°	15.5	14.5	13.4	12.2	10.9	9.5	8.2	6.8	5.2	3.5	2.0
-33.75°	15.3	14.3	13.3	12.0	10.7	9.4	8.1	6.7	5.1	3.4	2.0
-35°	15.1	14.1	13.1	11.9	10.6	9.3	8.0	6.6	5.0	3.3	2.0
-36.25°	14.9	14.0	13.0	11.7	10.4	9.1	7.8	6.5	4.9	3.3	1.9
-37.5°	14.7	13.8	12.8	11.5	10.2	9.0	7.7	6.4	4.8	3.2	1.9
-38.75°	14.5	13.6	12.5	11.3	10.1	8.8	7.6	6.3	4.7	3.1	1.9
-40°	14.3	13.4	12.3	11.1	9.9	8.7	7.4	6.1	4.6	3.0	1.8
-41.25°	14.1	13.2	12.1	10.9	9.7	8.5	7.3	6.0	4.5	2.9	1.8
-42.5°	13.9	13.0	11.9	10.7	9.5	8.3	7.2	5.9	4.3	2.8	1.8
-43.75°	13.7	12.8	11.6	10.5	9.3	8.2	7.0	5.7	4.2	2.7	1.7
-45°	13.4	12.5	11.4	10.2	9.1	8.0	6.9	5.5	4.1	2.6	1.7
-46.25°	13.2	12.2	11.1	10.0	8.9	7.8	6.7	5.4	4.0	2.6	1.7
-47.5°	13.0	11.9	10.9	9.8	8.7	7.7	6.6	5.2	3.8	2.5	1.6
-48.75°	12.7	11.6	10.6	9.6	8.5	7.5	6.4	5.1	3.7	2.4	1.6
-50°	12.4	11.3	10.3	9.3	8.3	7.3	6.2	4.9	3.6	2.3	1.5
-51.25°	12.0	11.1	10.1	9.1	8.1	7.1	6.0	4.7	3.4	2.3	1.5
-52.5°	11.7	10.7	9.8	8.8	7.9	6.9	5.8	4.5	3.3	2.2	1.5
-53.75°	11.4	10.4	9.5	8.6	7.6	6.7	5.6	4.4	3.1	2.1	1.4
-55°	11.0	10.1	9.2	8.3	7.4	6.5	5.3	4.2	3.0	2.1	1.4
-56.25°	10.7	9.8	8.9	8.1	7.2	6.3	5.1	4.0	2.9	2.0	1.3
-57.5°	10.3	9.5	8.6	7.8	7.0	6.0	4.9	3.8	2.7	1.9	1.3
-58.75°	10.0	9.2	8.4	7.5	6.7	5.7	4.7	3.6	2.5	1.9	1.2
-60°	9.6	8.8	8.1	7.3	6.5	5.5	4.4	3.4	2.4	1.8	1.2
-61.25°	9.3	8.5	7.7	7.0	6.2	5.2	4.2	3.2	2.3	1.7	1.2
-62.5°	8.9	8.2	7.4	6.7	5.8	4.9	4.0	3.0	2.2	1.7	1.1
-63.75°	8.5	7.8	7.1	6.4	5.5	4.6	3.7	2.8	2.1	1.6	1.1
-65°	8.1	7.5	6.8	6.1	5.2	4.3	3.5	2.6	2.0	1.5	1.0
-66.25°	7.8	7.1	6.5	5.7	4.9	4.1	3.2	2.4	1.9	1.4	1.0
-67.5°	7.4	6.8	6.1	5.3	4.5	3.8	3.0	2.3	1.8	1.4	0.9
-68.75°	7.0	6.4	5.7	4.9	4.2	3.5	2.7	2.2	1.7	1.3	0.9
-70°	6.6	5.9	5.3	4.6	3.9	3.2	2.5	2.0	1.6	1.2	0.8
-71.25°	6.1	5.5	4.8	4.2	3.5	2.9	2.3	1.9	1.5	1.2	0.8
-72.5°	5.6	5.0	4.4	3.8	3.2	2.6	2.2	1.8	1.4	1.1	0.7
-73.75°	5.1	4.6	4.0	3.4	2.9	2.3	2.0	1.7	1.3	1.0	0.7
-75°	4.6	4.1	3.6	3.0	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-76.25°	4.1	3.6	3.1	2.7	2.3	2.0	1.7	1.4	1.1	0.9	0.6
-77.5°	3.6	3.1	2.7	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	3.0	2.7	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
-80°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-81.25°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-82.5°	1.9	1.7	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-83.75°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-85°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-86.25°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-87.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-88.75°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	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: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.1	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.2	0.0
77.5°	0.3	0.0
76.25°	0.3	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.4	0.0
71.25°	0.4	0.0
70°	0.4	0.0
68.75°	0.4	0.0
67.5°	0.5	0.0
66.25°	0.5	0.0
65°	0.5	0.0
63.75°	0.5	0.0
62.5°	0.6	0.0
61.25°	0.6	0.0
60°	0.6	0.0
58.75°	0.6	0.0
57.5°	0.6	0.0
56.25°	0.7	0.0
55°	0.7	0.0
53.75°	0.7	0.0
52.5°	0.7	0.0
51.25°	0.8	0.0
50°	0.8	0.0
48.75°	0.8	0.0
47.5°	0.8	0.0
46.25°	0.8	0.0
45°	0.8	0.0
43.75°	0.9	0.0
42.5°	0.9	0.0
41.25°	0.9	0.0
40°	0.9	0.0
38.75°	0.9	0.0
37.5°	1.0	0.0
36.25°	1.0	0.0
35°	1.0	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.0	0.0
32.5°	1.0	0.0
31.25°	1.0	0.0
30°	1.0	0.0
28.75°	1.1	0.0
27.5°	1.1	0.0
26.25°	1.1	0.0
25°	1.1	0.0
23.75°	1.1	0.0
22.5°	1.1	0.0
21.25°	1.1	0.0
20°	1.1	0.0
18.75°	1.1	0.0
17.5°	1.1	0.0
16.25°	1.2	0.0
15°	1.2	0.0
13.75°	1.2	0.0
12.5°	1.2	0.0
11.25°	1.2	0.0
10°	1.2	0.0
8.75°	1.2	0.0
7.5°	1.2	0.0
6.25°	1.2	0.0
5°	1.2	0.0
3.75°	1.2	0.0
2.5°	1.2	0.0
1.25°	1.2	0.0
0°	1.2	0.0
-1.25°	1.2	0.0
-2.5°	1.2	0.0
-3.75°	1.2	0.0
-5°	1.2	0.0
-6.25°	1.2	0.0
-7.5°	1.2	0.0
-8.75°	1.2	0.0
-10°	1.2	0.0
-11.25°	1.2	0.0
-12.5°	1.2	0.0
-13.75°	1.2	0.0
-15°	1.2	0.0
-16.25°	1.2	0.0
-17.5°	1.1	0.0
-18.75°	1.1	0.0
-20°	1.1	0.0
-21.25°	1.1	0.0



REPORT NUMBER: P220444 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.1	0.0
-23.75°	1.1	0.0
-25°	1.1	0.0
-26.25°	1.1	0.0
-27.5°	1.1	0.0
-28.75°	1.1	0.0
-30°	1.0	0.0
-31.25°	1.0	0.0
-32.5°	1.0	0.0
-33.75°	1.0	0.0
-35°	1.0	0.0
-36.25°	1.0	0.0
-37.5°	1.0	0.0
-38.75°	0.9	0.0
-40°	0.9	0.0
-41.25°	0.9	0.0
-42.5°	0.9	0.0
-43.75°	0.9	0.0
-45°	0.8	0.0
-46.25°	0.8	0.0
-47.5°	0.8	0.0
-48.75°	0.8	0.0
-50°	0.8	0.0
-51.25°	0.8	0.0
-52.5°	0.7	0.0
-53.75°	0.7	0.0
-55°	0.7	0.0
-56.25°	0.7	0.0
-57.5°	0.6	0.0
-58.75°	0.6	0.0
-60°	0.6	0.0
-61.25°	0.6	0.0
-62.5°	0.6	0.0
-63.75°	0.5	0.0
-65°	0.5	0.0
-66.25°	0.5	0.0
-67.5°	0.5	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.4	0.0
-72.5°	0.4	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.3	0.0
-77.5°	0.3	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)