

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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

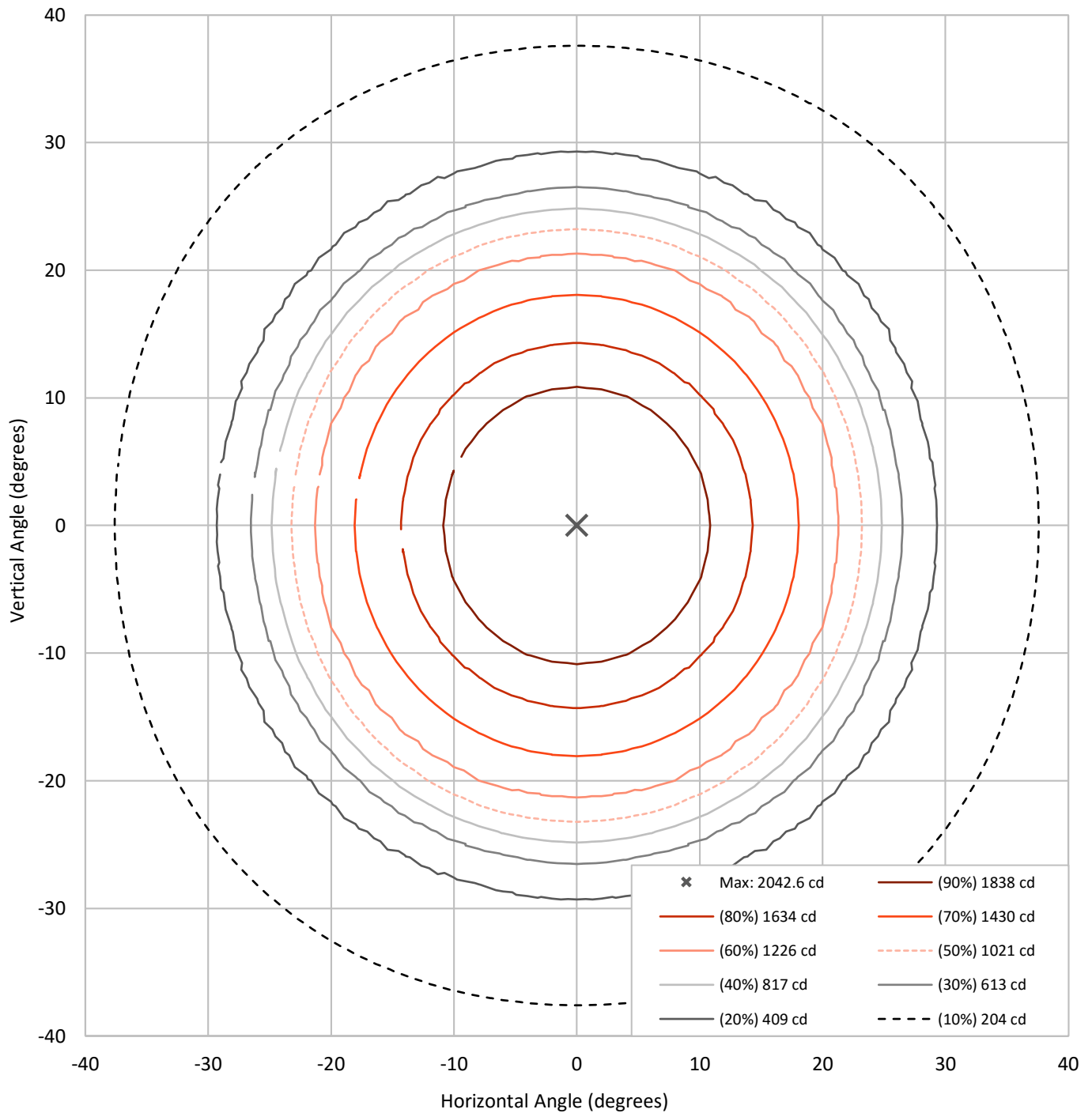
Test Method: LM-79-08
Report Number: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29471)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, WIDE
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3500K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	1374.8 lumens	Max Intensity:	2042.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	68.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	46.5°H x 46.5°V	Field Angle (10%):	75.2°H x 75.2°V
Beam Lumens:	789.8 lumens	Field Lumens:	1125.3 lumens
Beam Efficiency:	57.4%	Field Efficiency:	81.8%
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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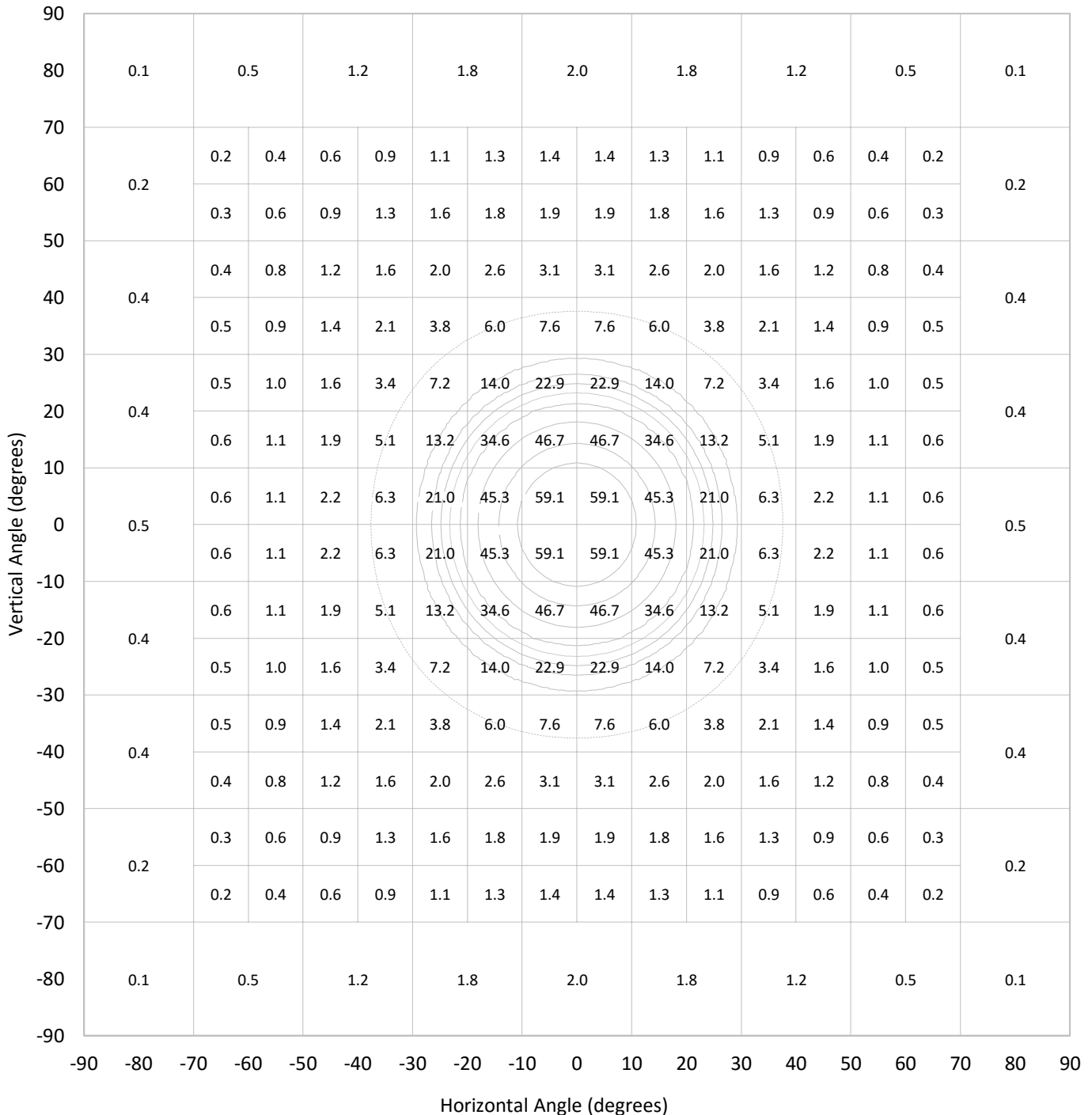
Iso-Candela Plot





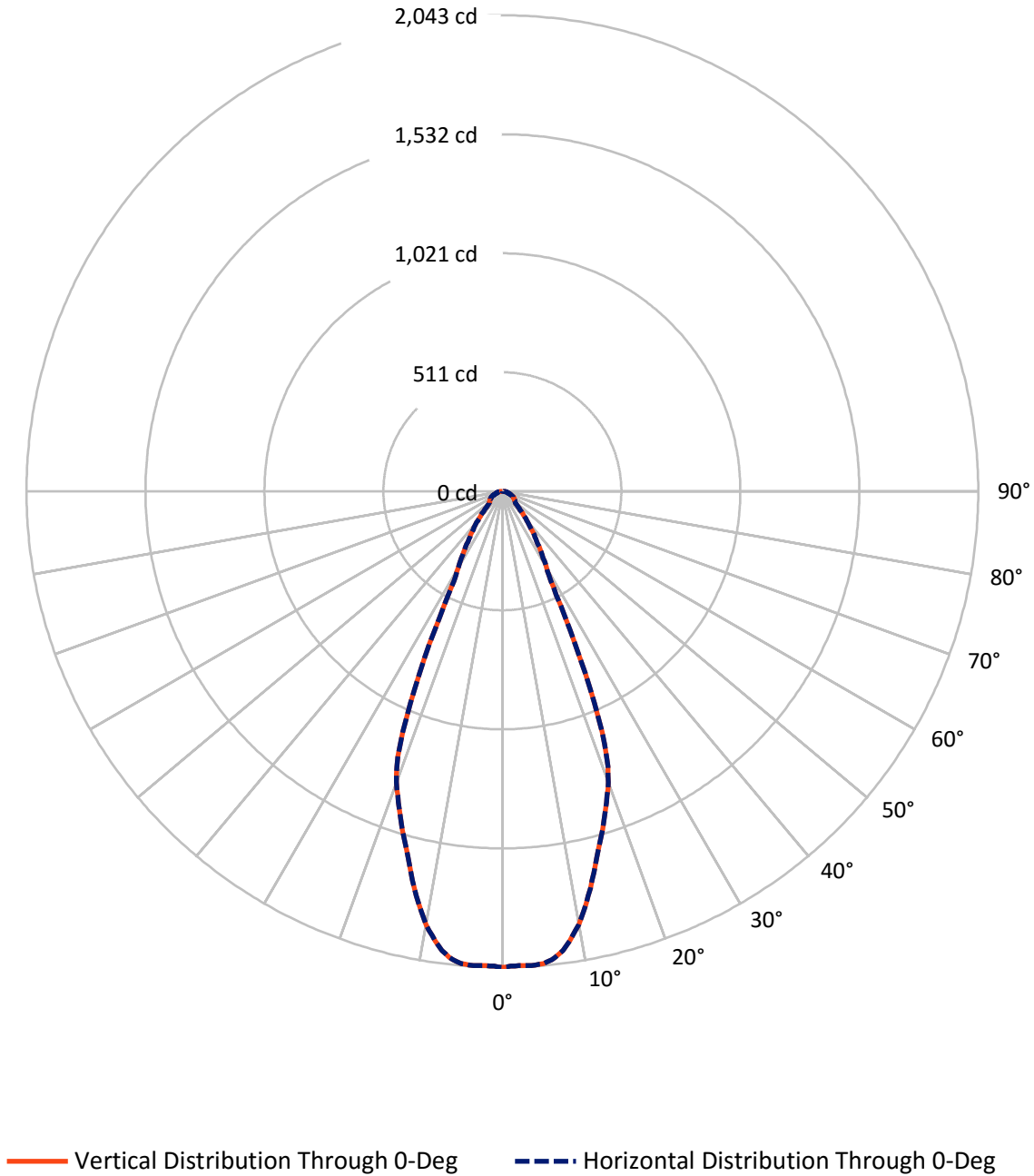
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Lumen Table



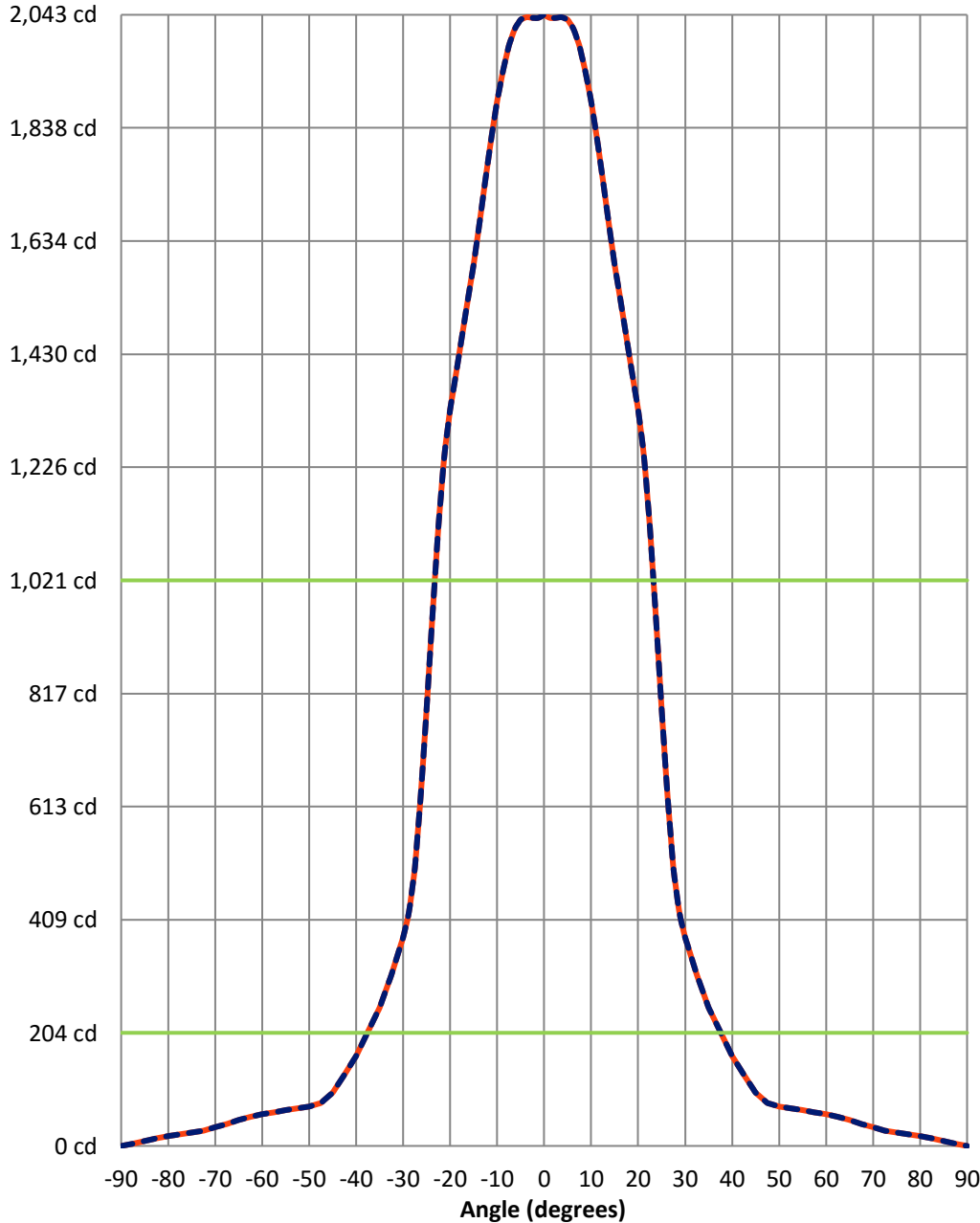
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 46.5°
 V Angle: 46.5°
 Lumens: 789.8
 Efficiency: 57.4%

Field:
 H Angle: 75.2°
 V Angle: 75.2°
 Lumens: 1125.3
 Efficiency: 81.8%

Spill:
 Lumens: 249.6
 Efficiency: 18.2%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
86.25°	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	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
78.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.4
76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.9
75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.8	5.4
73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.6	5.2	5.9
72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	5.0	5.7	6.4
71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.4	6.1	6.9
70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.8	6.6	7.4
68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.3	6.2	7.0	7.9
67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.6	7.5	8.4
66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	6.0	7.0	7.9	8.9
65°	0.0	0.8	1.7	2.5	3.4	4.3	5.3	6.3	7.3	8.4	9.4
63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.6	6.7	7.7	8.8	9.8
62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.9	7.0	8.1	9.2	10.3
61.25°	0.0	1.0	1.9	2.9	3.8	5.0	6.2	7.3	8.5	9.6	10.8
60°	0.0	1.0	2.0	3.0	4.0	5.2	6.4	7.6	8.9	10.0	11.2
58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.7	8.0	9.2	10.5	11.7
57.5°	0.0	1.1	2.1	3.2	4.4	5.7	7.0	8.3	9.6	10.9	12.1
56.25°	0.0	1.1	2.2	3.3	4.5	5.9	7.3	8.6	9.9	11.2	12.6
55°	0.0	1.1	2.3	3.4	4.7	6.1	7.5	8.9	10.3	11.6	13.0
53.75°	0.0	1.2	2.4	3.5	4.9	6.3	7.8	9.2	10.6	12.0	13.4
52.5°	0.0	1.2	2.4	3.7	5.1	6.5	8.0	9.5	11.0	12.4	13.8
51.25°	0.0	1.3	2.5	3.8	5.2	6.8	8.3	9.8	11.3	12.8	14.2
50°	0.0	1.3	2.6	3.9	5.4	7.0	8.5	10.1	11.6	13.1	14.5
48.75°	0.0	1.3	2.6	4.0	5.6	7.2	8.8	10.4	11.9	13.5	14.9
47.5°	0.0	1.4	2.7	4.1	5.7	7.4	9.0	10.6	12.2	13.8	15.2
46.25°	0.0	1.4	2.8	4.2	5.9	7.6	9.2	10.9	12.5	14.1	15.5
45°	0.0	1.4	2.8	4.3	6.0	7.8	9.5	11.2	12.8	14.4	15.8
43.75°	0.0	1.4	2.9	4.4	6.2	7.9	9.7	11.4	13.1	14.7	16.2
42.5°	0.0	1.5	2.9	4.5	6.3	8.1	9.9	11.7	13.4	15.0	16.5
41.25°	0.0	1.5	3.0	4.6	6.5	8.3	10.1	11.9	13.7	15.2	16.8
40°	0.0	1.5	3.1	4.7	6.6	8.5	10.3	12.1	13.9	15.5	17.1
38.75°	0.0	1.6	3.1	4.8	6.7	8.6	10.5	12.4	14.2	15.8	17.3
37.5°	0.0	1.6	3.2	4.9	6.9	8.8	10.7	12.6	14.4	16.0	17.6
36.25°	0.0	1.6	3.2	5.0	7.0	9.0	10.9	12.8	14.6	16.2	17.9
35°	0.0	1.6	3.3	5.1	7.1	9.1	11.1	13.0	14.8	16.5	18.1



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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	1.7	3.3	5.2	7.2	9.3	11.3	13.3	15.0	16.7	18.3
32.5°	0.0	1.7	3.4	5.3	7.4	9.4	11.4	13.5	15.2	16.9	18.5
31.25°	0.0	1.7	3.4	5.4	7.5	9.6	11.6	13.6	15.4	17.1	18.6
30°	0.0	1.7	3.5	5.5	7.6	9.7	11.8	13.8	15.6	17.4	18.8
28.75°	0.0	1.8	3.5	5.5	7.7	9.8	11.9	14.0	15.8	17.6	19.0
27.5°	0.0	1.8	3.5	5.6	7.8	9.9	12.1	14.1	15.9	17.7	19.2
26.25°	0.0	1.8	3.6	5.7	7.9	10.1	12.2	14.3	16.1	17.9	19.3
25°	0.0	1.8	3.6	5.8	8.0	10.2	12.3	14.4	16.2	18.0	19.5
23.75°	0.0	1.8	3.7	5.8	8.1	10.3	12.5	14.5	16.4	18.2	19.6
22.5°	0.0	1.8	3.7	5.9	8.2	10.4	12.6	14.7	16.5	18.3	19.8
21.25°	0.0	1.9	3.7	5.9	8.2	10.5	12.7	14.8	16.7	18.4	19.9
20°	0.0	1.9	3.8	6.0	8.3	10.6	12.8	14.9	16.8	18.5	20.0
18.75°	0.0	1.9	3.8	6.1	8.4	10.7	12.9	15.0	16.9	18.6	20.1
17.5°	0.0	1.9	3.8	6.1	8.4	10.7	13.0	15.1	17.0	18.7	20.2
16.25°	0.0	1.9	3.8	6.2	8.5	10.8	13.1	15.2	17.1	18.8	20.4
15°	0.0	1.9	3.9	6.2	8.6	10.9	13.2	15.3	17.2	18.9	20.4
13.75°	0.0	1.9	3.9	6.2	8.6	11.0	13.3	15.3	17.3	19.0	20.5
12.5°	0.0	2.0	3.9	6.3	8.7	11.0	13.4	15.4	17.4	19.1	20.6
11.25°	0.0	2.0	3.9	6.3	8.7	11.1	13.4	15.5	17.5	19.1	20.7
10°	0.0	2.0	3.9	6.3	8.8	11.1	13.5	15.5	17.5	19.2	20.8
8.75°	0.0	2.0	4.0	6.4	8.8	11.2	13.5	15.6	17.6	19.2	20.8
7.5°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.7	19.3	20.9
6.25°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.7	17.7	19.3	20.9
5°	0.0	2.0	4.0	6.4	8.9	11.3	13.6	15.7	17.7	19.3	20.9
3.75°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
2.5°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
1.25°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
0°	0.0	2.0	4.0	6.5	8.9	11.3	13.7	15.8	17.8	19.4	21.0
-1.25°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
-2.5°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
-3.75°	0.0	2.0	4.0	6.4	8.9	11.3	13.7	15.7	17.8	19.4	21.0
-5°	0.0	2.0	4.0	6.4	8.9	11.3	13.6	15.7	17.7	19.3	20.9
-6.25°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.7	17.7	19.3	20.9
-7.5°	0.0	2.0	4.0	6.4	8.8	11.2	13.6	15.6	17.7	19.3	20.9
-8.75°	0.0	2.0	4.0	6.4	8.8	11.2	13.5	15.6	17.6	19.2	20.8
-10°	0.0	2.0	3.9	6.3	8.8	11.1	13.5	15.5	17.5	19.2	20.8
-11.25°	0.0	2.0	3.9	6.3	8.7	11.1	13.4	15.5	17.5	19.1	20.7
-12.5°	0.0	2.0	3.9	6.3	8.7	11.0	13.4	15.4	17.4	19.1	20.6
-13.75°	0.0	1.9	3.9	6.2	8.6	11.0	13.3	15.3	17.3	19.0	20.5
-15°	0.0	1.9	3.9	6.2	8.6	10.9	13.2	15.3	17.2	18.9	20.4
-16.25°	0.0	1.9	3.8	6.2	8.5	10.8	13.1	15.2	17.1	18.8	20.4
-17.5°	0.0	1.9	3.8	6.1	8.4	10.7	13.0	15.1	17.0	18.7	20.2
-18.75°	0.0	1.9	3.8	6.1	8.4	10.7	12.9	15.0	16.9	18.6	20.1
-20°	0.0	1.9	3.8	6.0	8.3	10.6	12.8	14.9	16.8	18.5	20.0
-21.25°	0.0	1.9	3.7	5.9	8.2	10.5	12.7	14.8	16.7	18.4	19.9



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.8	3.7	5.9	8.2	10.4	12.6	14.7	16.5	18.3	19.8
-23.75°	0.0	1.8	3.7	5.8	8.1	10.3	12.5	14.5	16.4	18.2	19.6
-25°	0.0	1.8	3.6	5.8	8.0	10.2	12.3	14.4	16.2	18.0	19.5
-26.25°	0.0	1.8	3.6	5.7	7.9	10.1	12.2	14.3	16.1	17.9	19.3
-27.5°	0.0	1.8	3.5	5.6	7.8	9.9	12.1	14.1	15.9	17.7	19.2
-28.75°	0.0	1.8	3.5	5.5	7.7	9.8	11.9	14.0	15.8	17.6	19.0
-30°	0.0	1.7	3.5	5.5	7.6	9.7	11.8	13.8	15.6	17.4	18.8
-31.25°	0.0	1.7	3.4	5.4	7.5	9.6	11.6	13.6	15.4	17.1	18.6
-32.5°	0.0	1.7	3.4	5.3	7.4	9.4	11.4	13.5	15.2	16.9	18.5
-33.75°	0.0	1.7	3.3	5.2	7.2	9.3	11.3	13.3	15.0	16.7	18.3
-35°	0.0	1.6	3.3	5.1	7.1	9.1	11.1	13.0	14.8	16.5	18.1
-36.25°	0.0	1.6	3.2	5.0	7.0	9.0	10.9	12.8	14.6	16.2	17.9
-37.5°	0.0	1.6	3.2	4.9	6.9	8.8	10.7	12.6	14.4	16.0	17.6
-38.75°	0.0	1.6	3.1	4.8	6.7	8.6	10.5	12.4	14.2	15.8	17.3
-40°	0.0	1.5	3.1	4.7	6.6	8.5	10.3	12.1	13.9	15.5	17.1
-41.25°	0.0	1.5	3.0	4.6	6.5	8.3	10.1	11.9	13.7	15.2	16.8
-42.5°	0.0	1.5	2.9	4.5	6.3	8.1	9.9	11.7	13.4	15.0	16.5
-43.75°	0.0	1.4	2.9	4.4	6.2	7.9	9.7	11.4	13.1	14.7	16.2
-45°	0.0	1.4	2.8	4.3	6.0	7.8	9.5	11.2	12.8	14.4	15.8
-46.25°	0.0	1.4	2.8	4.2	5.9	7.6	9.2	10.9	12.5	14.1	15.5
-47.5°	0.0	1.4	2.7	4.1	5.7	7.4	9.0	10.6	12.2	13.8	15.2
-48.75°	0.0	1.3	2.6	4.0	5.6	7.2	8.8	10.4	11.9	13.5	14.9
-50°	0.0	1.3	2.6	3.9	5.4	7.0	8.5	10.1	11.6	13.1	14.5
-51.25°	0.0	1.3	2.5	3.8	5.2	6.8	8.3	9.8	11.3	12.8	14.2
-52.5°	0.0	1.2	2.4	3.7	5.1	6.5	8.0	9.5	11.0	12.4	13.8
-53.75°	0.0	1.2	2.4	3.5	4.9	6.3	7.8	9.2	10.6	12.0	13.4
-55°	0.0	1.1	2.3	3.4	4.7	6.1	7.5	8.9	10.3	11.6	13.0
-56.25°	0.0	1.1	2.2	3.3	4.5	5.9	7.3	8.6	9.9	11.2	12.6
-57.5°	0.0	1.1	2.1	3.2	4.4	5.7	7.0	8.3	9.6	10.9	12.1
-58.75°	0.0	1.0	2.1	3.1	4.2	5.4	6.7	8.0	9.2	10.5	11.7
-60°	0.0	1.0	2.0	3.0	4.0	5.2	6.4	7.6	8.9	10.0	11.2
-61.25°	0.0	1.0	1.9	2.9	3.8	5.0	6.2	7.3	8.5	9.6	10.8
-62.5°	0.0	0.9	1.8	2.8	3.7	4.7	5.9	7.0	8.1	9.2	10.3
-63.75°	0.0	0.9	1.8	2.7	3.5	4.5	5.6	6.7	7.7	8.8	9.8
-65°	0.0	0.8	1.7	2.5	3.4	4.3	5.3	6.3	7.3	8.4	9.4
-66.25°	0.0	0.8	1.6	2.4	3.2	4.0	5.0	6.0	7.0	7.9	8.9
-67.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.7	5.6	6.6	7.5	8.4
-68.75°	0.0	0.7	1.4	2.2	2.9	3.6	4.4	5.3	6.2	7.0	7.9
-70°	0.0	0.7	1.4	2.1	2.7	3.4	4.1	4.9	5.8	6.6	7.4
-71.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.6	5.4	6.1	6.9
-72.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	5.0	5.7	6.4
-73.75°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.6	5.2	5.9
-75°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.8	5.4
-76.25°	0.0	0.5	1.0	1.4	1.9	2.4	2.8	3.3	3.8	4.3	4.9
-77.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.9	4.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
-80°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
-81.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-82.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-83.75°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2
-85°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-86.25°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.2	1.3
-87.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
-88.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.3	5.6
81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.7
80°	3.8	4.1	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
78.75°	4.3	4.8	5.2	5.7	6.1	6.6	7.0	7.5	7.9	8.4	8.8
77.5°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.8
76.25°	5.4	6.0	6.6	7.1	7.7	8.2	8.8	9.3	9.8	10.4	10.9
75°	6.0	6.6	7.2	7.8	8.5	9.1	9.6	10.2	10.8	11.4	11.9
73.75°	6.6	7.2	7.9	8.6	9.2	9.8	10.5	11.1	11.7	12.3	13.0
72.5°	7.1	7.8	8.6	9.3	9.9	10.6	11.3	12.0	12.7	13.3	13.9
71.25°	7.7	8.5	9.2	9.9	10.7	11.4	12.1	12.9	13.6	14.2	14.8
70°	8.2	9.1	9.8	10.6	11.4	12.2	13.0	13.7	14.4	15.0	15.7
68.75°	8.8	9.6	10.5	11.3	12.1	13.0	13.8	14.5	15.2	15.8	16.5
67.5°	9.3	10.2	11.1	12.0	12.9	13.7	14.5	15.2	15.9	16.7	17.4
66.25°	9.8	10.8	11.7	12.7	13.6	14.4	15.2	15.9	16.7	17.5	18.1
65°	10.4	11.4	12.3	13.3	14.2	15.0	15.8	16.7	17.5	18.2	18.8
63.75°	10.9	11.9	13.0	13.9	14.8	15.7	16.5	17.4	18.1	18.8	19.4
62.5°	11.4	12.5	13.6	14.5	15.4	16.3	17.2	18.0	18.7	19.4	20.1
61.25°	11.9	13.0	14.1	15.0	16.0	16.9	17.9	18.6	19.3	20.0	20.7
60°	12.4	13.6	14.6	15.6	16.6	17.5	18.4	19.1	19.9	20.6	21.4
58.75°	12.9	14.1	15.1	16.1	17.1	18.1	18.9	19.7	20.4	21.2	22.0
57.5°	13.4	14.5	15.6	16.6	17.7	18.6	19.4	20.2	21.0	21.8	22.6
56.25°	13.8	15.0	16.1	17.2	18.2	19.0	19.9	20.7	21.5	22.4	23.2
55°	14.3	15.4	16.5	17.7	18.6	19.5	20.4	21.2	22.1	23.0	23.8
53.75°	14.7	15.8	17.0	18.1	19.0	19.9	20.8	21.7	22.6	23.5	24.4
52.5°	15.0	16.3	17.5	18.5	19.4	20.4	21.3	22.2	23.2	24.1	25.0
51.25°	15.4	16.7	17.9	18.9	19.9	20.8	21.8	22.7	23.7	24.6	25.6
50°	15.8	17.1	18.3	19.3	20.3	21.3	22.2	23.2	24.2	25.2	26.2
48.75°	16.2	17.5	18.6	19.6	20.7	21.7	22.7	23.7	24.7	25.8	26.8
47.5°	16.6	17.9	18.9	20.0	21.1	22.1	23.1	24.2	25.2	26.3	27.3
46.25°	16.9	18.2	19.3	20.4	21.4	22.5	23.6	24.7	25.7	26.8	28.3
45°	17.3	18.5	19.6	20.7	21.8	22.9	24.0	25.1	26.2	27.4	29.4
43.75°	17.6	18.8	19.9	21.1	22.2	23.3	24.4	25.6	26.7	28.2	30.4
42.5°	17.9	19.1	20.2	21.4	22.5	23.7	24.9	26.0	27.2	29.2	31.4
41.25°	18.2	19.4	20.5	21.7	22.9	24.1	25.3	26.5	27.8	30.1	32.4
40°	18.4	19.6	20.8	22.0	23.2	24.4	25.7	26.9	28.7	31.1	33.4
38.75°	18.7	19.9	21.1	22.4	23.6	24.8	26.1	27.3	29.6	32.0	34.3
37.5°	18.9	20.2	21.4	22.7	23.9	25.2	26.5	27.9	30.4	32.9	35.1
36.25°	19.1	20.4	21.7	23.0	24.2	25.5	26.8	28.7	31.2	33.7	35.9
35°	19.4	20.7	22.0	23.3	24.6	25.9	27.2	29.5	32.0	34.5	36.7



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	19.6	20.9	22.2	23.5	24.9	26.2	27.6	30.2	32.8	35.2	37.5
32.5°	19.8	21.1	22.5	23.8	25.2	26.5	28.3	30.9	33.5	35.9	38.2
31.25°	20.0	21.4	22.7	24.1	25.5	26.8	28.9	31.6	34.2	36.6	39.0
30°	20.2	21.6	23.0	24.3	25.7	27.1	29.5	32.2	34.8	37.2	39.7
28.75°	20.4	21.8	23.2	24.6	26.0	27.4	30.1	32.9	35.4	37.9	40.5
27.5°	20.6	22.0	23.4	24.8	26.3	27.9	30.7	33.5	36.0	38.5	41.3
26.25°	20.8	22.2	23.6	25.1	26.5	28.4	31.3	34.1	36.6	39.1	42.1
25°	20.9	22.4	23.8	25.3	26.8	28.9	31.8	34.6	37.1	39.7	42.9
23.75°	21.1	22.5	24.0	25.5	27.0	29.4	32.3	35.0	37.6	40.4	43.6
22.5°	21.2	22.7	24.2	25.7	27.2	29.9	32.8	35.5	38.1	41.0	44.3
21.25°	21.4	22.9	24.4	25.9	27.4	30.3	33.2	35.9	38.6	41.6	45.0
20°	21.5	23.0	24.5	26.1	27.7	30.7	33.7	36.4	39.0	42.2	45.6
18.75°	21.6	23.2	24.7	26.2	28.1	31.1	34.1	36.7	39.4	42.8	46.2
17.5°	21.8	23.3	24.8	26.4	28.4	31.4	34.4	37.1	39.9	43.3	46.8
16.25°	21.9	23.4	25.0	26.5	28.7	31.8	34.7	37.4	40.3	43.8	47.2
15°	22.0	23.5	25.1	26.7	29.0	32.1	35.0	37.8	40.7	44.3	47.6
13.75°	22.1	23.6	25.2	26.8	29.3	32.4	35.3	38.1	41.1	44.7	47.9
12.5°	22.2	23.7	25.3	26.9	29.5	32.6	35.5	38.3	41.5	45.1	48.2
11.25°	22.3	23.8	25.4	27.0	29.7	32.9	35.8	38.6	41.8	45.4	48.5
10°	22.3	23.9	25.5	27.1	29.9	33.1	36.0	38.8	42.1	45.7	48.7
8.75°	22.4	24.0	25.6	27.2	30.1	33.3	36.2	39.0	42.4	46.0	49.0
7.5°	22.4	24.0	25.7	27.3	30.3	33.4	36.3	39.1	42.6	46.2	49.2
6.25°	22.5	24.1	25.7	27.4	30.4	33.6	36.4	39.3	42.8	46.4	49.3
5°	22.5	24.1	25.8	27.4	30.5	33.7	36.6	39.4	43.0	46.6	49.5
3.75°	22.6	24.2	25.8	27.4	30.6	33.8	36.6	39.5	43.1	46.7	49.6
2.5°	22.6	24.2	25.8	27.5	30.7	33.8	36.7	39.5	43.2	46.8	49.6
1.25°	22.6	24.2	25.8	27.5	30.7	33.9	36.7	39.6	43.2	46.9	49.7
0°	22.6	24.2	25.9	27.5	30.7	33.9	36.8	39.6	43.3	46.9	49.7
-1.25°	22.6	24.2	25.8	27.5	30.7	33.9	36.7	39.6	43.2	46.9	49.7
-2.5°	22.6	24.2	25.8	27.5	30.7	33.8	36.7	39.5	43.2	46.8	49.6
-3.75°	22.6	24.2	25.8	27.4	30.6	33.8	36.6	39.5	43.1	46.7	49.6
-5°	22.5	24.1	25.8	27.4	30.5	33.7	36.6	39.4	43.0	46.6	49.5
-6.25°	22.5	24.1	25.7	27.4	30.4	33.6	36.4	39.3	42.8	46.4	49.3
-7.5°	22.4	24.0	25.7	27.3	30.3	33.4	36.3	39.1	42.6	46.2	49.2
-8.75°	22.4	24.0	25.6	27.2	30.1	33.3	36.2	39.0	42.4	46.0	49.0
-10°	22.3	23.9	25.5	27.1	29.9	33.1	36.0	38.8	42.1	45.7	48.7
-11.25°	22.3	23.8	25.4	27.0	29.7	32.9	35.8	38.6	41.8	45.4	48.5
-12.5°	22.2	23.7	25.3	26.9	29.5	32.6	35.5	38.3	41.5	45.1	48.2
-13.75°	22.1	23.6	25.2	26.8	29.3	32.4	35.3	38.1	41.1	44.7	47.9
-15°	22.0	23.5	25.1	26.7	29.0	32.1	35.0	37.8	40.7	44.3	47.6
-16.25°	21.9	23.4	25.0	26.5	28.7	31.8	34.7	37.4	40.3	43.8	47.2
-17.5°	21.8	23.3	24.8	26.4	28.4	31.4	34.4	37.1	39.9	43.3	46.8
-18.75°	21.6	23.2	24.7	26.2	28.1	31.1	34.1	36.7	39.4	42.8	46.2
-20°	21.5	23.0	24.5	26.1	27.7	30.7	33.7	36.4	39.0	42.2	45.6
-21.25°	21.4	22.9	24.4	25.9	27.4	30.3	33.2	35.9	38.6	41.6	45.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	21.2	22.7	24.2	25.7	27.2	29.9	32.8	35.5	38.1	41.0	44.3
-23.75°	21.1	22.5	24.0	25.5	27.0	29.4	32.3	35.0	37.6	40.4	43.6
-25°	20.9	22.4	23.8	25.3	26.8	28.9	31.8	34.6	37.1	39.7	42.9
-26.25°	20.8	22.2	23.6	25.1	26.5	28.4	31.3	34.1	36.6	39.1	42.1
-27.5°	20.6	22.0	23.4	24.8	26.3	27.9	30.7	33.5	36.0	38.5	41.3
-28.75°	20.4	21.8	23.2	24.6	26.0	27.4	30.1	32.9	35.4	37.9	40.5
-30°	20.2	21.6	23.0	24.3	25.7	27.1	29.5	32.2	34.8	37.2	39.7
-31.25°	20.0	21.4	22.7	24.1	25.5	26.8	28.9	31.6	34.2	36.6	39.0
-32.5°	19.8	21.1	22.5	23.8	25.2	26.5	28.3	30.9	33.5	35.9	38.2
-33.75°	19.6	20.9	22.2	23.5	24.9	26.2	27.6	30.2	32.8	35.2	37.5
-35°	19.4	20.7	22.0	23.3	24.6	25.9	27.2	29.5	32.0	34.5	36.7
-36.25°	19.1	20.4	21.7	23.0	24.2	25.5	26.8	28.7	31.2	33.7	35.9
-37.5°	18.9	20.2	21.4	22.7	23.9	25.2	26.5	27.9	30.4	32.9	35.1
-38.75°	18.7	19.9	21.1	22.4	23.6	24.8	26.1	27.3	29.6	32.0	34.3
-40°	18.4	19.6	20.8	22.0	23.2	24.4	25.7	26.9	28.7	31.1	33.4
-41.25°	18.2	19.4	20.5	21.7	22.9	24.1	25.3	26.5	27.8	30.1	32.4
-42.5°	17.9	19.1	20.2	21.4	22.5	23.7	24.9	26.0	27.2	29.2	31.4
-43.75°	17.6	18.8	19.9	21.1	22.2	23.3	24.4	25.6	26.7	28.2	30.4
-45°	17.3	18.5	19.6	20.7	21.8	22.9	24.0	25.1	26.2	27.4	29.4
-46.25°	16.9	18.2	19.3	20.4	21.4	22.5	23.6	24.7	25.7	26.8	28.3
-47.5°	16.6	17.9	18.9	20.0	21.1	22.1	23.1	24.2	25.2	26.3	27.3
-48.75°	16.2	17.5	18.6	19.6	20.7	21.7	22.7	23.7	24.7	25.8	26.8
-50°	15.8	17.1	18.3	19.3	20.3	21.3	22.2	23.2	24.2	25.2	26.2
-51.25°	15.4	16.7	17.9	18.9	19.9	20.8	21.8	22.7	23.7	24.6	25.6
-52.5°	15.0	16.3	17.5	18.5	19.4	20.4	21.3	22.2	23.2	24.1	25.0
-53.75°	14.7	15.8	17.0	18.1	19.0	19.9	20.8	21.7	22.6	23.5	24.4
-55°	14.3	15.4	16.5	17.7	18.6	19.5	20.4	21.2	22.1	23.0	23.8
-56.25°	13.8	15.0	16.1	17.2	18.2	19.0	19.9	20.7	21.5	22.4	23.2
-57.5°	13.4	14.5	15.6	16.6	17.7	18.6	19.4	20.2	21.0	21.8	22.6
-58.75°	12.9	14.1	15.1	16.1	17.1	18.1	18.9	19.7	20.4	21.2	22.0
-60°	12.4	13.6	14.6	15.6	16.6	17.5	18.4	19.1	19.9	20.6	21.4
-61.25°	11.9	13.0	14.1	15.0	16.0	16.9	17.9	18.6	19.3	20.0	20.7
-62.5°	11.4	12.5	13.6	14.5	15.4	16.3	17.2	18.0	18.7	19.4	20.1
-63.75°	10.9	11.9	13.0	13.9	14.8	15.7	16.5	17.4	18.1	18.8	19.4
-65°	10.4	11.4	12.3	13.3	14.2	15.0	15.8	16.7	17.5	18.2	18.8
-66.25°	9.8	10.8	11.7	12.7	13.6	14.4	15.2	15.9	16.7	17.5	18.1
-67.5°	9.3	10.2	11.1	12.0	12.9	13.7	14.5	15.2	15.9	16.7	17.4
-68.75°	8.8	9.6	10.5	11.3	12.1	13.0	13.8	14.5	15.2	15.8	16.5
-70°	8.2	9.1	9.8	10.6	11.4	12.2	13.0	13.7	14.4	15.0	15.7
-71.25°	7.7	8.5	9.2	9.9	10.7	11.4	12.1	12.9	13.6	14.2	14.8
-72.5°	7.1	7.8	8.6	9.3	9.9	10.6	11.3	12.0	12.7	13.3	13.9
-73.75°	6.6	7.2	7.9	8.6	9.2	9.8	10.5	11.1	11.7	12.3	13.0
-75°	6.0	6.6	7.2	7.8	8.5	9.1	9.6	10.2	10.8	11.4	11.9
-76.25°	5.4	6.0	6.6	7.1	7.7	8.2	8.8	9.3	9.8	10.4	10.9
-77.5°	4.9	5.4	5.9	6.4	6.9	7.4	7.9	8.4	8.9	9.4	9.8



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	4.3	4.8	5.2	5.7	6.1	6.6	7.0	7.5	7.9	8.4	8.8
-80°	3.8	4.1	4.6	5.0	5.4	5.8	6.2	6.6	7.0	7.3	7.7
-81.25°	3.3	3.6	3.9	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.7
-82.5°	2.8	3.1	3.3	3.6	3.8	4.1	4.4	4.7	5.0	5.3	5.6
-83.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.5
-85°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-86.25°	1.4	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.5	2.7
-87.5°	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8
-88.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
85°	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4
83.75°	4.7	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.8	7.0
82.5°	5.9	6.2	6.4	6.7	7.0	7.3	7.5	7.8	8.0	8.3	8.5
81.25°	7.0	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1
80°	8.1	8.5	8.9	9.2	9.6	9.9	10.3	10.6	11.0	11.3	11.6
78.75°	9.2	9.6	10.0	10.5	10.9	11.2	11.6	12.0	12.4	12.8	13.1
77.5°	10.3	10.8	11.2	11.7	12.1	12.6	13.0	13.4	13.8	14.2	14.5
76.25°	11.4	11.9	12.4	12.9	13.4	13.8	14.3	14.7	15.0	15.4	15.8
75°	12.5	13.0	13.6	14.1	14.5	15.0	15.4	15.8	16.3	16.7	17.1
73.75°	13.6	14.1	14.6	15.1	15.6	16.1	16.5	17.0	17.5	17.9	18.3
72.5°	14.5	15.0	15.6	16.1	16.6	17.2	17.7	18.1	18.5	18.9	19.3
71.25°	15.4	16.0	16.6	17.1	17.7	18.2	18.6	19.0	19.4	19.9	20.3
70°	16.3	16.9	17.5	18.1	18.6	19.0	19.5	19.9	20.4	20.8	21.3
68.75°	17.2	17.9	18.4	18.9	19.4	19.9	20.4	20.8	21.3	21.8	22.2
67.5°	18.0	18.6	19.1	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2
66.25°	18.7	19.3	19.9	20.4	21.0	21.5	22.1	22.6	23.2	23.7	24.2
65°	19.4	20.0	20.6	21.2	21.8	22.4	23.0	23.5	24.1	24.6	25.2
63.75°	20.1	20.7	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2
62.5°	20.8	21.4	22.1	22.7	23.4	24.0	24.7	25.3	25.9	26.6	27.2
61.25°	21.4	22.1	22.8	23.5	24.2	24.9	25.5	26.2	26.9	27.6	28.8
60°	22.1	22.8	23.5	24.2	25.0	25.7	26.4	27.1	28.1	29.4	30.7
58.75°	22.7	23.5	24.2	25.0	25.8	26.5	27.3	28.4	29.8	31.2	32.6
57.5°	23.4	24.2	25.0	25.8	26.5	27.3	28.7	30.1	31.6	33.0	34.4
56.25°	24.0	24.9	25.7	26.5	27.3	28.7	30.3	31.8	33.3	34.7	36.0
55°	24.7	25.5	26.4	27.3	28.7	30.3	31.9	33.5	34.9	36.3	37.6
53.75°	25.3	26.2	27.1	28.4	30.1	31.8	33.5	35.0	36.4	37.8	39.2
52.5°	25.9	26.9	28.1	29.8	31.6	33.3	34.9	36.4	37.9	39.4	41.2
51.25°	26.6	27.6	29.4	31.2	33.0	34.7	36.3	37.8	39.4	41.3	43.2
50°	27.2	28.8	30.7	32.6	34.4	36.0	37.6	39.2	41.2	43.2	45.2
48.75°	28.1	30.0	32.0	33.9	35.6	37.3	39.0	40.9	43.0	45.1	47.1
47.5°	29.2	31.2	33.2	35.1	36.8	38.6	40.5	42.7	44.8	46.9	48.6
46.25°	30.4	32.4	34.4	36.2	38.0	39.9	42.1	44.4	46.6	48.4	50.0
45°	31.5	33.6	35.5	37.4	39.2	41.4	43.8	46.1	48.0	49.7	51.5
43.75°	32.6	34.7	36.6	38.5	40.6	43.0	45.4	47.5	49.3	51.1	52.8
42.5°	33.7	35.7	37.6	39.6	42.0	44.5	46.9	48.8	50.6	52.5	54.0
41.25°	34.6	36.6	38.6	40.9	43.5	46.0	48.1	50.0	51.9	53.6	55.2
40°	35.5	37.6	39.7	42.3	44.9	47.3	49.3	51.2	53.1	54.8	56.4
38.75°	36.4	38.5	40.9	43.6	46.2	48.4	50.4	52.4	54.2	55.9	57.5
37.5°	37.3	39.4	42.1	44.9	47.4	49.5	51.5	53.4	55.2	57.0	58.2
36.25°	38.1	40.5	43.3	46.1	48.4	50.5	52.6	54.4	56.2	57.8	59.0
35°	39.0	41.7	44.5	47.2	49.4	51.5	53.5	55.4	57.2	58.5	59.7



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	39.8	42.7	45.6	48.1	50.3	52.5	54.4	56.3	57.9	59.1	60.4
32.5°	40.8	43.8	46.7	49.0	51.3	53.4	55.3	57.2	58.5	59.8	61.1
31.25°	41.8	44.8	47.6	49.9	52.2	54.2	56.2	57.9	59.1	60.4	62.0
30°	42.7	45.8	48.4	50.7	53.0	55.0	57.0	58.4	59.7	61.1	62.8
28.75°	43.6	46.7	49.1	51.5	53.7	55.7	57.6	59.0	60.3	61.9	63.6
27.5°	44.5	47.5	49.9	52.3	54.4	56.5	58.1	59.5	60.9	62.6	64.3
26.25°	45.3	48.1	50.6	52.9	55.1	57.2	58.6	60.0	61.6	63.3	65.0
25°	46.1	48.8	51.3	53.6	55.7	57.7	59.1	60.5	62.2	64.0	65.5
23.75°	46.9	49.4	51.9	54.2	56.3	58.1	59.5	61.0	62.8	64.6	66.0
22.5°	47.5	50.0	52.5	54.7	56.9	58.5	60.0	61.6	63.4	65.1	66.5
21.25°	48.0	50.6	53.0	55.3	57.5	58.9	60.4	62.1	64.0	65.6	67.0
20°	48.5	51.1	53.5	55.8	57.8	59.3	60.8	62.7	64.5	66.0	67.5
18.75°	49.0	51.6	54.0	56.3	58.1	59.6	61.3	63.1	65.0	66.4	67.9
17.5°	49.4	52.1	54.4	56.7	58.5	60.0	61.7	63.6	65.3	66.8	68.3
16.25°	49.8	52.5	54.8	57.1	58.7	60.3	62.1	64.0	65.7	67.2	68.7
15°	50.2	52.9	55.2	57.5	59.0	60.5	62.5	64.4	66.0	67.5	69.0
13.75°	50.6	53.2	55.6	57.7	59.3	60.9	62.8	64.8	66.3	67.8	69.4
12.5°	50.9	53.5	55.9	57.9	59.5	61.2	63.1	65.0	66.6	68.1	69.7
11.25°	51.2	53.8	56.2	58.1	59.7	61.4	63.4	65.3	66.8	68.4	69.9
10°	51.5	54.0	56.4	58.3	59.9	61.7	63.7	65.5	67.0	68.6	70.2
8.75°	51.7	54.2	56.6	58.5	60.1	61.9	63.9	65.7	67.2	68.8	70.4
7.5°	51.9	54.4	56.8	58.6	60.2	62.1	64.1	65.8	67.4	69.0	70.6
6.25°	52.1	54.6	57.0	58.7	60.3	62.3	64.3	66.0	67.6	69.2	70.7
5°	52.2	54.7	57.2	58.8	60.4	62.4	64.4	66.1	67.7	69.3	70.9
3.75°	52.4	54.8	57.3	58.9	60.5	62.5	64.6	66.2	67.8	69.4	71.0
2.5°	52.4	54.9	57.3	59.0	60.6	62.6	64.6	66.2	67.8	69.4	71.0
1.25°	52.5	54.9	57.4	59.0	60.6	62.6	64.7	66.3	67.9	69.5	71.1
0°	52.5	55.0	57.4	59.0	60.6	62.7	64.7	66.3	67.9	69.5	71.1
-1.25°	52.5	54.9	57.4	59.0	60.6	62.6	64.7	66.3	67.9	69.5	71.1
-2.5°	52.4	54.9	57.3	59.0	60.6	62.6	64.6	66.2	67.8	69.4	71.0
-3.75°	52.4	54.8	57.3	58.9	60.5	62.5	64.6	66.2	67.8	69.4	71.0
-5°	52.2	54.7	57.2	58.8	60.4	62.4	64.4	66.1	67.7	69.3	70.9
-6.25°	52.1	54.6	57.0	58.7	60.3	62.3	64.3	66.0	67.6	69.2	70.7
-7.5°	51.9	54.4	56.8	58.6	60.2	62.1	64.1	65.8	67.4	69.0	70.6
-8.75°	51.7	54.2	56.6	58.5	60.1	61.9	63.9	65.7	67.2	68.8	70.4
-10°	51.5	54.0	56.4	58.3	59.9	61.7	63.7	65.5	67.0	68.6	70.2
-11.25°	51.2	53.8	56.2	58.1	59.7	61.4	63.4	65.3	66.8	68.4	69.9
-12.5°	50.9	53.5	55.9	57.9	59.5	61.2	63.1	65.0	66.6	68.1	69.7
-13.75°	50.6	53.2	55.6	57.7	59.3	60.9	62.8	64.8	66.3	67.8	69.4
-15°	50.2	52.9	55.2	57.5	59.0	60.5	62.5	64.4	66.0	67.5	69.0
-16.25°	49.8	52.5	54.8	57.1	58.7	60.3	62.1	64.0	65.7	67.2	68.7
-17.5°	49.4	52.1	54.4	56.7	58.5	60.0	61.7	63.6	65.3	66.8	68.3
-18.75°	49.0	51.6	54.0	56.3	58.1	59.6	61.3	63.1	65.0	66.4	67.9
-20°	48.5	51.1	53.5	55.8	57.8	59.3	60.8	62.7	64.5	66.0	67.5
-21.25°	48.0	50.6	53.0	55.3	57.5	58.9	60.4	62.1	64.0	65.6	67.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	47.5	50.0	52.5	54.7	56.9	58.5	60.0	61.6	63.4	65.1	66.5
-23.75°	46.9	49.4	51.9	54.2	56.3	58.1	59.5	61.0	62.8	64.6	66.0
-25°	46.1	48.8	51.3	53.6	55.7	57.7	59.1	60.5	62.2	64.0	65.5
-26.25°	45.3	48.1	50.6	52.9	55.1	57.2	58.6	60.0	61.6	63.3	65.0
-27.5°	44.5	47.5	49.9	52.3	54.4	56.5	58.1	59.5	60.9	62.6	64.3
-28.75°	43.6	46.7	49.1	51.5	53.7	55.7	57.6	59.0	60.3	61.9	63.6
-30°	42.7	45.8	48.4	50.7	53.0	55.0	57.0	58.4	59.7	61.1	62.8
-31.25°	41.8	44.8	47.6	49.9	52.2	54.2	56.2	57.9	59.1	60.4	62.0
-32.5°	40.8	43.8	46.7	49.0	51.3	53.4	55.3	57.2	58.5	59.8	61.1
-33.75°	39.8	42.7	45.6	48.1	50.3	52.5	54.4	56.3	57.9	59.1	60.4
-35°	39.0	41.7	44.5	47.2	49.4	51.5	53.5	55.4	57.2	58.5	59.7
-36.25°	38.1	40.5	43.3	46.1	48.4	50.5	52.6	54.4	56.2	57.8	59.0
-37.5°	37.3	39.4	42.1	44.9	47.4	49.5	51.5	53.4	55.2	57.0	58.2
-38.75°	36.4	38.5	40.9	43.6	46.2	48.4	50.4	52.4	54.2	55.9	57.5
-40°	35.5	37.6	39.7	42.3	44.9	47.3	49.3	51.2	53.1	54.8	56.4
-41.25°	34.6	36.6	38.6	40.9	43.5	46.0	48.1	50.0	51.9	53.6	55.2
-42.5°	33.7	35.7	37.6	39.6	42.0	44.5	46.9	48.8	50.6	52.5	54.0
-43.75°	32.6	34.7	36.6	38.5	40.6	43.0	45.4	47.5	49.3	51.1	52.8
-45°	31.5	33.6	35.5	37.4	39.2	41.4	43.8	46.1	48.0	49.7	51.5
-46.25°	30.4	32.4	34.4	36.2	38.0	39.9	42.1	44.4	46.6	48.4	50.0
-47.5°	29.2	31.2	33.2	35.1	36.8	38.6	40.5	42.7	44.8	46.9	48.6
-48.75°	28.1	30.0	32.0	33.9	35.6	37.3	39.0	40.9	43.0	45.1	47.1
-50°	27.2	28.8	30.7	32.6	34.4	36.0	37.6	39.2	41.2	43.2	45.2
-51.25°	26.6	27.6	29.4	31.2	33.0	34.7	36.3	37.8	39.4	41.3	43.2
-52.5°	25.9	26.9	28.1	29.8	31.6	33.3	34.9	36.4	37.9	39.4	41.2
-53.75°	25.3	26.2	27.1	28.4	30.1	31.8	33.5	35.0	36.4	37.8	39.2
-55°	24.7	25.5	26.4	27.3	28.7	30.3	31.9	33.5	34.9	36.3	37.6
-56.25°	24.0	24.9	25.7	26.5	27.3	28.7	30.3	31.8	33.3	34.7	36.0
-57.5°	23.4	24.2	25.0	25.8	26.5	27.3	28.7	30.1	31.6	33.0	34.4
-58.75°	22.7	23.5	24.2	25.0	25.8	26.5	27.3	28.4	29.8	31.2	32.6
-60°	22.1	22.8	23.5	24.2	25.0	25.7	26.4	27.1	28.1	29.4	30.7
-61.25°	21.4	22.1	22.8	23.5	24.2	24.9	25.5	26.2	26.9	27.6	28.8
-62.5°	20.8	21.4	22.1	22.7	23.4	24.0	24.7	25.3	25.9	26.6	27.2
-63.75°	20.1	20.7	21.4	22.0	22.6	23.2	23.8	24.4	25.0	25.6	26.2
-65°	19.4	20.0	20.6	21.2	21.8	22.4	23.0	23.5	24.1	24.6	25.2
-66.25°	18.7	19.3	19.9	20.4	21.0	21.5	22.1	22.6	23.2	23.7	24.2
-67.5°	18.0	18.6	19.1	19.7	20.2	20.7	21.2	21.7	22.2	22.7	23.2
-68.75°	17.2	17.9	18.4	18.9	19.4	19.9	20.4	20.8	21.3	21.8	22.2
-70°	16.3	16.9	17.5	18.1	18.6	19.0	19.5	19.9	20.4	20.8	21.3
-71.25°	15.4	16.0	16.6	17.1	17.7	18.2	18.6	19.0	19.4	19.9	20.3
-72.5°	14.5	15.0	15.6	16.1	16.6	17.2	17.7	18.1	18.5	18.9	19.3
-73.75°	13.6	14.1	14.6	15.1	15.6	16.1	16.5	17.0	17.5	17.9	18.3
-75°	12.5	13.0	13.6	14.1	14.5	15.0	15.4	15.8	16.3	16.7	17.1
-76.25°	11.4	11.9	12.4	12.9	13.4	13.8	14.3	14.7	15.0	15.4	15.8
-77.5°	10.3	10.8	11.2	11.7	12.1	12.6	13.0	13.4	13.8	14.2	14.5



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	9.2	9.6	10.0	10.5	10.9	11.2	11.6	12.0	12.4	12.8	13.1
-80°	8.1	8.5	8.9	9.2	9.6	9.9	10.3	10.6	11.0	11.3	11.6
-81.25°	7.0	7.3	7.6	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.1
-82.5°	5.9	6.2	6.4	6.7	7.0	7.3	7.5	7.8	8.0	8.3	8.5
-83.75°	4.7	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.5	6.8	7.0
-85°	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9	5.1	5.2	5.4
-86.25°	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9
-87.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6
-88.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
85°	5.6	5.7	5.9	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0
83.75°	7.2	7.4	7.6	7.8	7.9	8.1	8.3	8.5	8.6	8.8	9.0
82.5°	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9
81.25°	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.1	12.4	12.6	12.8
80°	11.9	12.2	12.5	12.8	13.1	13.4	13.7	13.9	14.2	14.4	14.6
78.75°	13.5	13.8	14.1	14.4	14.7	15.0	15.2	15.5	15.8	16.0	16.2
77.5°	14.9	15.2	15.5	15.8	16.2	16.5	16.8	17.1	17.3	17.6	17.9
76.25°	16.2	16.6	16.9	17.3	17.6	17.9	18.2	18.4	18.7	18.9	19.1
75°	17.5	17.9	18.2	18.5	18.8	19.1	19.4	19.6	19.9	20.2	20.4
73.75°	18.6	18.9	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7
72.5°	19.6	20.0	20.4	20.7	21.1	21.4	21.7	22.0	22.4	22.7	23.0
71.25°	20.7	21.1	21.4	21.8	22.2	22.5	22.9	23.2	23.6	23.9	24.2
70°	21.7	22.1	22.5	22.9	23.3	23.7	24.1	24.4	24.8	25.2	25.5
68.75°	22.7	23.1	23.6	24.0	24.4	24.9	25.3	25.7	26.1	26.5	26.8
67.5°	23.7	24.2	24.7	25.1	25.6	26.0	26.5	26.9	27.3	27.9	28.7
66.25°	24.7	25.2	25.7	26.2	26.7	27.2	27.8	28.7	29.6	30.4	31.2
65°	25.8	26.3	26.8	27.4	28.2	29.2	30.1	31.1	32.0	32.9	33.7
63.75°	26.8	27.3	28.3	29.4	30.4	31.4	32.4	33.4	34.3	35.1	35.9
62.5°	28.1	29.2	30.4	31.5	32.6	33.7	34.6	35.5	36.4	37.3	38.1
61.25°	30.0	31.2	32.4	33.6	34.7	35.7	36.6	37.6	38.5	39.4	40.5
60°	32.0	33.2	34.4	35.5	36.6	37.6	38.6	39.7	40.9	42.1	43.3
58.75°	33.9	35.1	36.2	37.4	38.5	39.6	40.9	42.3	43.6	44.9	46.1
57.5°	35.6	36.8	38.0	39.2	40.6	42.0	43.5	44.9	46.2	47.4	48.4
56.25°	37.3	38.6	39.9	41.4	43.0	44.5	46.0	47.3	48.4	49.5	50.5
55°	39.0	40.5	42.1	43.8	45.4	46.9	48.1	49.3	50.4	51.5	52.6
53.75°	40.9	42.7	44.4	46.1	47.5	48.8	50.0	51.2	52.4	53.4	54.4
52.5°	43.0	44.8	46.6	48.0	49.3	50.6	51.9	53.1	54.2	55.2	56.2
51.25°	45.1	46.9	48.4	49.7	51.1	52.5	53.6	54.8	55.9	57.0	57.8
50°	47.1	48.6	50.0	51.5	52.8	54.0	55.2	56.4	57.5	58.2	59.0
48.75°	48.6	50.2	51.7	53.1	54.3	55.6	56.8	57.8	58.6	59.4	60.1
47.5°	50.2	51.7	53.2	54.5	55.9	57.2	58.1	58.9	59.7	60.5	61.4
46.25°	51.7	53.2	54.6	56.0	57.3	58.2	59.1	59.9	60.8	61.9	62.9
45°	53.1	54.5	56.0	57.4	58.3	59.2	60.1	61.1	62.2	63.3	64.3
43.75°	54.3	55.9	57.3	58.3	59.3	60.2	61.2	62.4	63.5	64.6	65.5
42.5°	55.6	57.2	58.2	59.2	60.2	61.3	62.5	63.7	64.8	65.7	66.6
41.25°	56.8	58.1	59.1	60.1	61.2	62.5	63.7	64.9	65.8	66.8	67.7
40°	57.8	58.9	59.9	61.1	62.4	63.7	64.9	65.9	66.9	67.8	68.7
38.75°	58.6	59.7	60.8	62.2	63.5	64.8	65.8	66.9	67.8	68.8	69.8
37.5°	59.4	60.5	61.9	63.3	64.6	65.7	66.8	67.8	68.8	69.8	70.8
36.25°	60.1	61.4	62.9	64.3	65.5	66.6	67.7	68.7	69.8	70.8	72.6
35°	60.9	62.4	63.9	65.2	66.3	67.5	68.6	69.6	70.7	72.5	74.6



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	61.8	63.3	64.8	66.0	67.2	68.3	69.4	70.5	72.2	74.4	76.6
32.5°	62.7	64.3	65.6	66.8	67.9	69.1	70.3	71.7	74.0	76.3	80.2
31.25°	63.6	65.1	66.3	67.5	68.7	69.9	71.1	73.5	75.8	79.1	85.7
30°	64.4	65.7	67.0	68.2	69.5	70.7	72.7	75.2	77.6	84.3	91.0
28.75°	65.1	66.4	67.7	68.9	70.2	71.8	74.3	76.8	82.3	89.3	96.2
27.5°	65.7	67.0	68.3	69.6	70.9	73.3	75.9	79.9	87.0	94.2	104.9
26.25°	66.3	67.6	69.0	70.3	72.1	74.7	77.3	84.3	91.6	100.9	113.3
25°	66.9	68.2	69.6	70.9	73.4	76.1	81.0	88.5	96.0	108.8	121.5
23.75°	67.4	68.8	70.2	72.0	74.7	77.4	84.9	92.6	103.3	116.4	129.5
22.5°	67.9	69.3	70.7	73.2	75.9	80.8	88.7	96.9	110.4	123.8	137.5
21.25°	68.4	69.9	71.4	74.3	77.1	84.3	92.4	103.4	117.2	131.0	145.2
20°	68.9	70.3	72.5	75.4	79.5	87.7	95.8	109.7	123.7	138.1	152.6
18.75°	69.4	70.8	73.5	76.4	82.5	90.8	101.3	115.6	129.9	144.8	159.6
17.5°	69.8	71.4	74.4	77.4	85.4	93.8	106.7	121.2	136.1	151.2	167.3
16.25°	70.2	72.2	75.3	79.5	88.1	97.0	111.8	126.5	141.8	157.2	175.3
15°	70.5	73.0	76.1	81.9	90.6	101.5	116.5	131.6	147.2	162.9	182.8
13.75°	70.9	73.7	76.8	84.2	92.9	105.7	120.9	136.4	152.3	169.6	189.8
12.5°	71.3	74.4	77.5	86.2	95.1	109.6	124.9	140.8	156.9	175.8	196.3
11.25°	71.9	75.0	79.1	88.1	97.6	113.1	128.6	144.9	161.1	181.5	202.2
10°	72.4	75.5	80.7	89.8	100.7	116.3	132.1	148.5	165.6	186.6	207.5
8.75°	72.8	76.0	82.2	91.3	103.4	119.2	135.2	151.8	169.9	191.1	212.2
7.5°	73.2	76.4	83.4	92.6	105.8	121.6	137.9	154.6	173.7	195.0	216.4
6.25°	73.6	76.8	84.5	93.7	107.8	123.7	140.2	157.0	176.9	198.4	219.9
5°	73.9	77.1	85.3	94.6	109.4	125.4	142.1	159.0	179.6	201.2	222.8
3.75°	74.1	77.3	86.0	95.3	110.7	126.8	143.6	160.5	181.6	203.3	225.0
2.5°	74.2	77.5	86.5	95.8	111.6	127.7	144.7	161.6	183.1	204.9	226.7
1.25°	74.3	77.6	86.8	96.1	112.2	128.3	145.3	162.3	184.0	205.8	227.6
0°	74.4	77.6	86.9	96.2	112.4	128.5	145.5	162.5	184.3	206.1	228.0
-1.25°	74.3	77.6	86.8	96.1	112.2	128.3	145.3	162.3	184.0	205.8	227.6
-2.5°	74.2	77.5	86.5	95.8	111.6	127.7	144.7	161.6	183.1	204.9	226.7
-3.75°	74.1	77.3	86.0	95.3	110.7	126.8	143.6	160.5	181.6	203.3	225.0
-5°	73.9	77.1	85.3	94.6	109.4	125.4	142.1	159.0	179.6	201.2	222.8
-6.25°	73.6	76.8	84.5	93.7	107.8	123.7	140.2	157.0	176.9	198.4	219.9
-7.5°	73.2	76.4	83.4	92.6	105.8	121.6	137.9	154.6	173.7	195.0	216.4
-8.75°	72.8	76.0	82.2	91.3	103.4	119.2	135.2	151.8	169.9	191.1	212.2
-10°	72.4	75.5	80.7	89.8	100.7	116.3	132.1	148.5	165.6	186.6	207.5
-11.25°	71.9	75.0	79.1	88.1	97.6	113.1	128.6	144.9	161.1	181.5	202.2
-12.5°	71.3	74.4	77.5	86.2	95.1	109.6	124.9	140.8	156.9	175.8	196.3
-13.75°	70.9	73.7	76.8	84.2	92.9	105.7	120.9	136.4	152.3	169.6	189.8
-15°	70.5	73.0	76.1	81.9	90.6	101.5	116.5	131.6	147.2	162.9	182.8
-16.25°	70.2	72.2	75.3	79.5	88.1	97.0	111.8	126.5	141.8	157.2	175.3
-17.5°	69.8	71.4	74.4	77.4	85.4	93.8	106.7	121.2	136.1	151.2	167.3
-18.75°	69.4	70.8	73.5	76.4	82.5	90.8	101.3	115.6	129.9	144.8	159.6
-20°	68.9	70.3	72.5	75.4	79.5	87.7	95.8	109.7	123.7	138.1	152.6
-21.25°	68.4	69.9	71.4	74.3	77.1	84.3	92.4	103.4	117.2	131.0	145.2



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	67.9	69.3	70.7	73.2	75.9	80.8	88.7	96.9	110.4	123.8	137.5
-23.75°	67.4	68.8	70.2	72.0	74.7	77.4	84.9	92.6	103.3	116.4	129.5
-25°	66.9	68.2	69.6	70.9	73.4	76.1	81.0	88.5	96.0	108.8	121.5
-26.25°	66.3	67.6	69.0	70.3	72.1	74.7	77.3	84.3	91.6	100.9	113.3
-27.5°	65.7	67.0	68.3	69.6	70.9	73.3	75.9	79.9	87.0	94.2	104.9
-28.75°	65.1	66.4	67.7	68.9	70.2	71.8	74.3	76.8	82.3	89.3	96.2
-30°	64.4	65.7	67.0	68.2	69.5	70.7	72.7	75.2	77.6	84.3	91.0
-31.25°	63.6	65.1	66.3	67.5	68.7	69.9	71.1	73.5	75.8	79.1	85.7
-32.5°	62.7	64.3	65.6	66.8	67.9	69.1	70.3	71.7	74.0	76.3	80.2
-33.75°	61.8	63.3	64.8	66.0	67.2	68.3	69.4	70.5	72.2	74.4	76.6
-35°	60.9	62.4	63.9	65.2	66.3	67.5	68.6	69.6	70.7	72.5	74.6
-36.25°	60.1	61.4	62.9	64.3	65.5	66.6	67.7	68.7	69.8	70.8	72.6
-37.5°	59.4	60.5	61.9	63.3	64.6	65.7	66.8	67.8	68.8	69.8	70.8
-38.75°	58.6	59.7	60.8	62.2	63.5	64.8	65.8	66.9	67.8	68.8	69.8
-40°	57.8	58.9	59.9	61.1	62.4	63.7	64.9	65.9	66.9	67.8	68.7
-41.25°	56.8	58.1	59.1	60.1	61.2	62.5	63.7	64.9	65.8	66.8	67.7
-42.5°	55.6	57.2	58.2	59.2	60.2	61.3	62.5	63.7	64.8	65.7	66.6
-43.75°	54.3	55.9	57.3	58.3	59.3	60.2	61.2	62.4	63.5	64.6	65.5
-45°	53.1	54.5	56.0	57.4	58.3	59.2	60.1	61.1	62.2	63.3	64.3
-46.25°	51.7	53.2	54.6	56.0	57.3	58.2	59.1	59.9	60.8	61.9	62.9
-47.5°	50.2	51.7	53.2	54.5	55.9	57.2	58.1	58.9	59.7	60.5	61.4
-48.75°	48.6	50.2	51.7	53.1	54.3	55.6	56.8	57.8	58.6	59.4	60.1
-50°	47.1	48.6	50.0	51.5	52.8	54.0	55.2	56.4	57.5	58.2	59.0
-51.25°	45.1	46.9	48.4	49.7	51.1	52.5	53.6	54.8	55.9	57.0	57.8
-52.5°	43.0	44.8	46.6	48.0	49.3	50.6	51.9	53.1	54.2	55.2	56.2
-53.75°	40.9	42.7	44.4	46.1	47.5	48.8	50.0	51.2	52.4	53.4	54.4
-55°	39.0	40.5	42.1	43.8	45.4	46.9	48.1	49.3	50.4	51.5	52.6
-56.25°	37.3	38.6	39.9	41.4	43.0	44.5	46.0	47.3	48.4	49.5	50.5
-57.5°	35.6	36.8	38.0	39.2	40.6	42.0	43.5	44.9	46.2	47.4	48.4
-58.75°	33.9	35.1	36.2	37.4	38.5	39.6	40.9	42.3	43.6	44.9	46.1
-60°	32.0	33.2	34.4	35.5	36.6	37.6	38.6	39.7	40.9	42.1	43.3
-61.25°	30.0	31.2	32.4	33.6	34.7	35.7	36.6	37.6	38.5	39.4	40.5
-62.5°	28.1	29.2	30.4	31.5	32.6	33.7	34.6	35.5	36.4	37.3	38.1
-63.75°	26.8	27.3	28.3	29.4	30.4	31.4	32.4	33.4	34.3	35.1	35.9
-65°	25.8	26.3	26.8	27.4	28.2	29.2	30.1	31.1	32.0	32.9	33.7
-66.25°	24.7	25.2	25.7	26.2	26.7	27.2	27.8	28.7	29.6	30.4	31.2
-67.5°	23.7	24.2	24.7	25.1	25.6	26.0	26.5	26.9	27.3	27.9	28.7
-68.75°	22.7	23.1	23.6	24.0	24.4	24.9	25.3	25.7	26.1	26.5	26.8
-70°	21.7	22.1	22.5	22.9	23.3	23.7	24.1	24.4	24.8	25.2	25.5
-71.25°	20.7	21.1	21.4	21.8	22.2	22.5	22.9	23.2	23.6	23.9	24.2
-72.5°	19.6	20.0	20.4	20.7	21.1	21.4	21.7	22.0	22.4	22.7	23.0
-73.75°	18.6	18.9	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7
-75°	17.5	17.9	18.2	18.5	18.8	19.1	19.4	19.6	19.9	20.2	20.4
-76.25°	16.2	16.6	16.9	17.3	17.6	17.9	18.2	18.4	18.7	18.9	19.1
-77.5°	14.9	15.2	15.5	15.8	16.2	16.5	16.8	17.1	17.3	17.6	17.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	13.5	13.8	14.1	14.4	14.7	15.0	15.2	15.5	15.8	16.0	16.2
-80°	11.9	12.2	12.5	12.8	13.1	13.4	13.7	13.9	14.2	14.4	14.6
-81.25°	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.1	12.4	12.6	12.8
-82.5°	8.8	9.0	9.2	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9
-83.75°	7.2	7.4	7.6	7.8	7.9	8.1	8.3	8.5	8.6	8.8	9.0
-85°	5.6	5.7	5.9	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0
-86.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-87.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
-88.75°	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
86.25°	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9
85°	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
83.75°	9.1	9.3	9.4	9.6	9.7	9.8	9.9	10.1	10.2	10.3	10.4
82.5°	11.1	11.3	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.5	12.6
81.25°	13.0	13.3	13.5	13.6	13.8	14.0	14.1	14.3	14.4	14.5	14.7
80°	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4	16.5
78.75°	16.5	16.7	16.9	17.1	17.4	17.6	17.7	17.9	18.0	18.2	18.3
77.5°	18.1	18.3	18.5	18.6	18.8	19.0	19.2	19.3	19.5	19.6	19.8
76.25°	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	20.9	21.1	21.2
75°	20.7	20.9	21.1	21.4	21.6	21.8	22.0	22.2	22.4	22.5	22.7
73.75°	22.0	22.2	22.5	22.7	23.0	23.2	23.4	23.6	23.8	24.0	24.2
72.5°	23.3	23.5	23.8	24.1	24.3	24.6	24.8	25.1	25.3	25.5	25.7
71.25°	24.6	24.9	25.2	25.5	25.7	26.0	26.3	26.5	26.8	27.0	27.2
70°	25.9	26.2	26.5	26.8	27.1	27.4	27.9	28.4	28.9	29.4	29.9
68.75°	27.2	27.6	28.3	28.9	29.5	30.1	30.7	31.3	31.8	32.3	32.8
67.5°	29.5	30.2	30.9	31.6	32.2	32.9	33.5	34.1	34.6	35.0	35.5
66.25°	32.0	32.8	33.5	34.2	34.8	35.4	36.0	36.6	37.1	37.6	38.1
65°	34.5	35.2	35.9	36.6	37.2	37.9	38.5	39.1	39.7	40.4	41.0
63.75°	36.7	37.5	38.2	39.0	39.7	40.5	41.3	42.1	42.9	43.6	44.3
62.5°	39.0	39.8	40.8	41.8	42.7	43.6	44.5	45.3	46.1	46.9	47.5
61.25°	41.7	42.7	43.8	44.8	45.8	46.7	47.5	48.1	48.8	49.4	50.0
60°	44.5	45.6	46.7	47.6	48.4	49.1	49.9	50.6	51.3	51.9	52.5
58.75°	47.2	48.1	49.0	49.9	50.7	51.5	52.3	52.9	53.6	54.2	54.7
57.5°	49.4	50.3	51.3	52.2	53.0	53.7	54.4	55.1	55.7	56.3	56.9
56.25°	51.5	52.5	53.4	54.2	55.0	55.7	56.5	57.2	57.7	58.1	58.5
55°	53.5	54.4	55.3	56.2	57.0	57.6	58.1	58.6	59.1	59.5	60.0
53.75°	55.4	56.3	57.2	57.9	58.4	59.0	59.5	60.0	60.5	61.0	61.6
52.5°	57.2	57.9	58.5	59.1	59.7	60.3	60.9	61.6	62.2	62.8	63.4
51.25°	58.5	59.1	59.8	60.4	61.1	61.9	62.6	63.3	64.0	64.6	65.1
50°	59.7	60.4	61.1	62.0	62.8	63.6	64.3	65.0	65.5	66.0	66.5
48.75°	60.9	61.8	62.7	63.6	64.4	65.1	65.7	66.3	66.9	67.4	67.9
47.5°	62.4	63.3	64.3	65.1	65.7	66.4	67.0	67.6	68.2	68.8	69.3
46.25°	63.9	64.8	65.6	66.3	67.0	67.7	68.3	69.0	69.6	70.2	70.7
45°	65.2	66.0	66.8	67.5	68.2	68.9	69.6	70.3	70.9	72.0	73.2
43.75°	66.3	67.2	67.9	68.7	69.5	70.2	70.9	72.1	73.4	74.7	75.9
42.5°	67.5	68.3	69.1	69.9	70.7	71.8	73.3	74.7	76.1	77.4	80.8
41.25°	68.6	69.4	70.3	71.1	72.7	74.3	75.9	77.3	81.0	84.9	88.7
40°	69.6	70.5	71.7	73.5	75.2	76.8	79.9	84.3	88.5	92.6	96.9
38.75°	70.7	72.2	74.0	75.8	77.6	82.3	87.0	91.6	96.0	103.3	110.4
37.5°	72.5	74.4	76.3	79.1	84.3	89.3	94.2	100.9	108.8	116.4	123.8
36.25°	74.6	76.6	80.2	85.7	91.0	96.2	104.9	113.3	121.5	129.5	137.5
35°	76.7	80.8	86.5	92.1	98.6	107.9	116.9	125.7	134.4	143.1	151.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	80.8	86.8	92.7	100.1	109.9	119.5	128.8	138.3	147.5	156.5	165.8
32.5°	86.5	92.7	100.6	110.9	121.0	131.0	141.1	150.9	160.5	171.8	183.2
31.25°	92.1	100.1	110.9	121.5	132.1	142.8	153.2	163.6	176.2	188.5	200.3
30°	98.6	109.9	121.0	132.1	143.3	154.3	165.8	179.3	192.3	205.0	217.3
28.75°	107.9	119.5	131.0	142.8	154.3	166.6	180.8	194.6	208.1	221.3	234.0
27.5°	116.9	128.8	141.1	153.2	165.8	180.8	195.4	209.7	223.7	237.2	250.6
26.25°	125.7	138.3	150.9	163.6	179.3	194.6	209.7	224.5	238.9	254.0	272.3
25°	134.4	147.5	160.5	176.2	192.3	208.1	223.7	238.9	255.1	274.6	293.7
23.75°	143.1	156.5	171.8	188.5	205.0	221.3	237.2	254.0	274.6	294.8	315.3
22.5°	151.4	165.8	183.2	200.3	217.3	234.0	250.6	272.3	293.7	315.3	338.7
21.25°	159.4	176.4	194.2	211.8	229.1	246.3	267.8	290.1	312.6	337.3	361.4
20°	168.3	186.6	204.7	222.7	240.5	260.9	284.3	307.3	333.0	358.5	384.4
18.75°	177.6	196.3	214.8	233.2	252.0	276.2	300.2	326.0	352.7	379.3	409.6
17.5°	186.5	205.5	224.4	243.2	265.9	290.8	316.3	344.1	371.5	402.0	447.2
16.25°	194.8	214.2	233.5	253.6	279.2	304.6	332.8	361.3	391.5	432.8	501.5
15°	202.6	222.4	242.0	265.6	291.7	318.9	348.4	377.7	413.0	470.9	565.8
13.75°	209.9	230.0	250.0	276.7	303.3	332.9	363.0	395.4	442.4	524.5	639.6
12.5°	216.7	237.0	259.9	287.1	314.9	345.9	376.6	414.1	478.4	583.6	714.6
11.25°	222.8	243.4	268.9	296.5	326.3	357.8	391.0	438.2	522.4	644.4	786.5
10°	228.4	249.3	277.1	305.1	336.6	368.6	404.2	461.5	567.9	704.8	856.2
8.75°	233.3	256.0	284.4	313.4	345.9	378.5	420.5	495.7	615.2	760.9	919.1
7.5°	237.7	262.1	290.8	321.1	353.9	388.3	436.9	525.8	656.8	811.6	972.3
6.25°	241.3	267.4	296.3	327.6	360.8	396.7	450.9	553.4	696.5	856.7	1017.7
5°	244.4	271.6	300.8	333.0	366.5	403.6	465.6	581.3	729.8	894.1	1055.4
3.75°	246.7	275.0	304.3	337.3	370.9	409.6	481.5	603.3	755.8	923.4	1082.7
2.5°	248.4	277.4	306.8	340.3	374.1	415.8	492.8	619.0	774.6	943.7	1102.2
1.25°	249.5	278.8	308.3	342.1	376.1	419.5	499.7	628.5	785.9	955.9	1114.0
0°	249.8	279.3	308.8	342.8	376.7	420.7	502.0	631.7	789.7	959.9	1117.9
-1.25°	249.5	278.8	308.3	342.1	376.1	419.5	499.7	628.5	785.9	955.9	1114.0
-2.5°	248.4	277.4	306.8	340.3	374.1	415.8	492.8	619.0	774.6	943.7	1102.2
-3.75°	246.7	275.0	304.3	337.3	370.9	409.6	481.5	603.3	755.8	923.4	1082.7
-5°	244.4	271.6	300.8	333.0	366.5	403.6	465.6	581.3	729.8	894.1	1055.4
-6.25°	241.3	267.4	296.3	327.6	360.8	396.7	450.9	553.4	696.5	856.7	1017.7
-7.5°	237.7	262.1	290.8	321.1	353.9	388.3	436.9	525.8	656.8	811.6	972.3
-8.75°	233.3	256.0	284.4	313.4	345.9	378.5	420.5	495.7	615.2	760.9	919.1
-10°	228.4	249.3	277.1	305.1	336.6	368.6	404.2	461.5	567.9	704.8	856.2
-11.25°	222.8	243.4	268.9	296.5	326.3	357.8	391.0	438.2	522.4	644.4	786.5
-12.5°	216.7	237.0	259.9	287.1	314.9	345.9	376.6	414.1	478.4	583.6	714.6
-13.75°	209.9	230.0	250.0	276.7	303.3	332.9	363.0	395.4	442.4	524.5	639.6
-15°	202.6	222.4	242.0	265.6	291.7	318.9	348.4	377.7	413.0	470.9	565.8
-16.25°	194.8	214.2	233.5	253.6	279.2	304.6	332.8	361.3	391.5	432.8	501.5
-17.5°	186.5	205.5	224.4	243.2	265.9	290.8	316.3	344.1	371.5	402.0	447.2
-18.75°	177.6	196.3	214.8	233.2	252.0	276.2	300.2	326.0	352.7	379.3	409.6
-20°	168.3	186.6	204.7	222.7	240.5	260.9	284.3	307.3	333.0	358.5	384.4
-21.25°	159.4	176.4	194.2	211.8	229.1	246.3	267.8	290.1	312.6	337.3	361.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	151.4	165.8	183.2	200.3	217.3	234.0	250.6	272.3	293.7	315.3	338.7
-23.75°	143.1	156.5	171.8	188.5	205.0	221.3	237.2	254.0	274.6	294.8	315.3
-25°	134.4	147.5	160.5	176.2	192.3	208.1	223.7	238.9	255.1	274.6	293.7
-26.25°	125.7	138.3	150.9	163.6	179.3	194.6	209.7	224.5	238.9	254.0	272.3
-27.5°	116.9	128.8	141.1	153.2	165.8	180.8	195.4	209.7	223.7	237.2	250.6
-28.75°	107.9	119.5	131.0	142.8	154.3	166.6	180.8	194.6	208.1	221.3	234.0
-30°	98.6	109.9	121.0	132.1	143.3	154.3	165.8	179.3	192.3	205.0	217.3
-31.25°	92.1	100.1	110.9	121.5	132.1	142.8	153.2	163.6	176.2	188.5	200.3
-32.5°	86.5	92.7	100.6	110.9	121.0	131.0	141.1	150.9	160.5	171.8	183.2
-33.75°	80.8	86.8	92.7	100.1	109.9	119.5	128.8	138.3	147.5	156.5	165.8
-35°	76.7	80.8	86.5	92.1	98.6	107.9	116.9	125.7	134.4	143.1	151.4
-36.25°	74.6	76.6	80.2	85.7	91.0	96.2	104.9	113.3	121.5	129.5	137.5
-37.5°	72.5	74.4	76.3	79.1	84.3	89.3	94.2	100.9	108.8	116.4	123.8
-38.75°	70.7	72.2	74.0	75.8	77.6	82.3	87.0	91.6	96.0	103.3	110.4
-40°	69.6	70.5	71.7	73.5	75.2	76.8	79.9	84.3	88.5	92.6	96.9
-41.25°	68.6	69.4	70.3	71.1	72.7	74.3	75.9	77.3	81.0	84.9	88.7
-42.5°	67.5	68.3	69.1	69.9	70.7	71.8	73.3	74.7	76.1	77.4	80.8
-43.75°	66.3	67.2	67.9	68.7	69.5	70.2	70.9	72.1	73.4	74.7	75.9
-45°	65.2	66.0	66.8	67.5	68.2	68.9	69.6	70.3	70.9	72.0	73.2
-46.25°	63.9	64.8	65.6	66.3	67.0	67.7	68.3	69.0	69.6	70.2	70.7
-47.5°	62.4	63.3	64.3	65.1	65.7	66.4	67.0	67.6	68.2	68.8	69.3
-48.75°	60.9	61.8	62.7	63.6	64.4	65.1	65.7	66.3	66.9	67.4	67.9
-50°	59.7	60.4	61.1	62.0	62.8	63.6	64.3	65.0	65.5	66.0	66.5
-51.25°	58.5	59.1	59.8	60.4	61.1	61.9	62.6	63.3	64.0	64.6	65.1
-52.5°	57.2	57.9	58.5	59.1	59.7	60.3	60.9	61.6	62.2	62.8	63.4
-53.75°	55.4	56.3	57.2	57.9	58.4	59.0	59.5	60.0	60.5	61.0	61.6
-55°	53.5	54.4	55.3	56.2	57.0	57.6	58.1	58.6	59.1	59.5	60.0
-56.25°	51.5	52.5	53.4	54.2	55.0	55.7	56.5	57.2	57.7	58.1	58.5
-57.5°	49.4	50.3	51.3	52.2	53.0	53.7	54.4	55.1	55.7	56.3	56.9
-58.75°	47.2	48.1	49.0	49.9	50.7	51.5	52.3	52.9	53.6	54.2	54.7
-60°	44.5	45.6	46.7	47.6	48.4	49.1	49.9	50.6	51.3	51.9	52.5
-61.25°	41.7	42.7	43.8	44.8	45.8	46.7	47.5	48.1	48.8	49.4	50.0
-62.5°	39.0	39.8	40.8	41.8	42.7	43.6	44.5	45.3	46.1	46.9	47.5
-63.75°	36.7	37.5	38.2	39.0	39.7	40.5	41.3	42.1	42.9	43.6	44.3
-65°	34.5	35.2	35.9	36.6	37.2	37.9	38.5	39.1	39.7	40.4	41.0
-66.25°	32.0	32.8	33.5	34.2	34.8	35.4	36.0	36.6	37.1	37.6	38.1
-67.5°	29.5	30.2	30.9	31.6	32.2	32.9	33.5	34.1	34.6	35.0	35.5
-68.75°	27.2	27.6	28.3	28.9	29.5	30.1	30.7	31.3	31.8	32.3	32.8
-70°	25.9	26.2	26.5	26.8	27.1	27.4	27.9	28.4	28.9	29.4	29.9
-71.25°	24.6	24.9	25.2	25.5	25.7	26.0	26.3	26.5	26.8	27.0	27.2
-72.5°	23.3	23.5	23.8	24.1	24.3	24.6	24.8	25.1	25.3	25.5	25.7
-73.75°	22.0	22.2	22.5	22.7	23.0	23.2	23.4	23.6	23.8	24.0	24.2
-75°	20.7	20.9	21.1	21.4	21.6	21.8	22.0	22.2	22.4	22.5	22.7
-76.25°	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	20.9	21.1	21.2
-77.5°	18.1	18.3	18.5	18.6	18.8	19.0	19.2	19.3	19.5	19.6	19.8



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	16.5	16.7	16.9	17.1	17.4	17.6	17.7	17.9	18.0	18.2	18.3
-80°	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.4	16.5
-81.25°	13.0	13.3	13.5	13.6	13.8	14.0	14.1	14.3	14.4	14.5	14.7
-82.5°	11.1	11.3	11.4	11.6	11.8	11.9	12.1	12.2	12.3	12.5	12.6
-83.75°	9.1	9.3	9.4	9.6	9.7	9.8	9.9	10.1	10.2	10.3	10.4
-85°	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
-86.25°	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9
-87.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
-88.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
86.25°	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.4
85°	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8
83.75°	10.5	10.6	10.7	10.7	10.8	10.9	11.0	11.0	11.1	11.1	11.2
82.5°	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.4	13.5	13.5
81.25°	14.8	14.9	15.0	15.1	15.2	15.3	15.3	15.4	15.5	15.5	15.6
80°	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.5	17.6
78.75°	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.1	19.2	19.2
77.5°	19.9	20.0	20.1	20.2	20.4	20.4	20.5	20.6	20.7	20.8	20.8
76.25°	21.4	21.5	21.6	21.8	21.9	22.0	22.1	22.2	22.3	22.3	22.4
75°	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0
73.75°	24.4	24.5	24.7	24.8	25.0	25.1	25.2	25.3	25.4	25.5	25.6
72.5°	25.9	26.1	26.2	26.4	26.5	26.7	26.8	26.9	27.0	27.1	27.2
71.25°	27.4	27.7	28.1	28.4	28.7	29.0	29.3	29.5	29.7	29.9	30.1
70°	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.6	32.9	33.1	33.3
68.75°	33.2	33.7	34.1	34.4	34.7	35.0	35.3	35.5	35.8	36.0	36.2
67.5°	35.9	36.4	36.7	37.1	37.4	37.8	38.1	38.3	38.6	38.8	39.0
66.25°	38.6	39.0	39.4	39.9	40.3	40.7	41.1	41.5	41.8	42.1	42.4
65°	41.6	42.2	42.8	43.3	43.8	44.3	44.7	45.1	45.4	45.7	46.0
63.75°	45.0	45.6	46.2	46.8	47.2	47.6	47.9	48.2	48.5	48.7	49.0
62.5°	48.0	48.5	49.0	49.4	49.8	50.2	50.6	50.9	51.2	51.5	51.7
61.25°	50.6	51.1	51.6	52.1	52.5	52.9	53.2	53.5	53.8	54.0	54.2
60°	53.0	53.5	54.0	54.4	54.8	55.2	55.6	55.9	56.2	56.4	56.6
58.75°	55.3	55.8	56.3	56.7	57.1	57.5	57.7	57.9	58.1	58.3	58.5
57.5°	57.5	57.8	58.1	58.5	58.7	59.0	59.3	59.5	59.7	59.9	60.1
56.25°	58.9	59.3	59.6	60.0	60.3	60.5	60.9	61.2	61.4	61.7	61.9
55°	60.4	60.8	61.3	61.7	62.1	62.5	62.8	63.1	63.4	63.7	63.9
53.75°	62.1	62.7	63.1	63.6	64.0	64.4	64.8	65.0	65.3	65.5	65.7
52.5°	64.0	64.5	65.0	65.3	65.7	66.0	66.3	66.6	66.8	67.0	67.2
51.25°	65.6	66.0	66.4	66.8	67.2	67.5	67.8	68.1	68.4	68.6	68.8
50°	67.0	67.5	67.9	68.3	68.7	69.0	69.4	69.7	69.9	70.2	70.4
48.75°	68.4	68.9	69.4	69.8	70.2	70.5	70.9	71.3	71.9	72.4	72.8
47.5°	69.9	70.3	70.8	71.4	72.2	73.0	73.7	74.4	75.0	75.5	76.0
46.25°	71.4	72.5	73.5	74.4	75.3	76.1	76.8	77.5	79.1	80.7	82.2
45°	74.3	75.4	76.4	77.4	79.5	81.9	84.2	86.2	88.1	89.8	91.3
43.75°	77.1	79.5	82.5	85.4	88.1	90.6	92.9	95.1	97.6	100.7	103.4
42.5°	84.3	87.7	90.8	93.8	97.0	101.5	105.7	109.6	113.1	116.3	119.2
41.25°	92.4	95.8	101.3	106.7	111.8	116.5	120.9	124.9	128.6	132.1	135.2
40°	103.4	109.7	115.6	121.2	126.5	131.6	136.4	140.8	144.9	148.5	151.8
38.75°	117.2	123.7	129.9	136.1	141.8	147.2	152.3	156.9	161.1	165.6	169.9
37.5°	131.0	138.1	144.8	151.2	157.2	162.9	169.6	175.8	181.5	186.6	191.1
36.25°	145.2	152.6	159.6	167.3	175.3	182.8	189.8	196.3	202.2	207.5	212.2
35°	159.4	168.3	177.6	186.5	194.8	202.6	209.9	216.7	222.8	228.4	233.3



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	176.4	186.6	196.3	205.5	214.2	222.4	230.0	237.0	243.4	249.3	256.0
32.5°	194.2	204.7	214.8	224.4	233.5	242.0	250.0	259.9	268.9	277.1	284.4
31.25°	211.8	222.7	233.2	243.2	253.6	265.6	276.7	287.1	296.5	305.1	313.4
30°	229.1	240.5	252.0	265.9	279.2	291.7	303.3	314.9	326.3	336.6	345.9
28.75°	246.3	260.9	276.2	290.8	304.6	318.9	332.9	345.9	357.8	368.6	378.5
27.5°	267.8	284.3	300.2	316.3	332.8	348.4	363.0	376.6	391.0	404.2	420.5
26.25°	290.1	307.3	326.0	344.1	361.3	377.7	395.4	414.1	438.2	461.5	495.7
25°	312.6	333.0	352.7	371.5	391.5	413.0	442.4	478.4	522.4	567.9	615.2
23.75°	337.3	358.5	379.3	402.0	432.8	470.9	524.5	583.6	644.4	704.8	760.9
22.5°	361.4	384.4	409.6	447.2	501.5	565.8	639.6	714.6	786.5	856.2	919.1
21.25°	386.2	415.2	455.8	522.2	600.6	685.1	772.1	857.6	937.4	1007.5	1069.6
20°	415.2	459.1	532.6	621.7	717.6	815.2	912.1	999.4	1078.0	1145.6	1200.2
18.75°	455.8	532.6	628.8	734.0	842.1	947.9	1044.5	1128.7	1199.9	1255.3	1292.9
17.5°	522.2	621.7	734.0	851.1	965.6	1070.7	1163.1	1234.3	1287.9	1325.1	1354.9
16.25°	600.6	717.6	842.1	965.6	1079.1	1179.9	1255.2	1306.2	1346.1	1380.1	1412.6
15°	685.1	815.2	947.9	1070.7	1179.9	1262.3	1315.5	1358.5	1398.1	1435.9	1470.5
13.75°	772.1	912.1	1044.5	1163.1	1255.2	1315.5	1362.7	1407.2	1450.2	1490.2	1527.2
12.5°	857.6	999.4	1128.7	1234.3	1306.2	1358.5	1407.2	1454.9	1500.3	1542.8	1580.5
11.25°	937.4	1078.0	1199.9	1287.9	1346.1	1398.1	1450.2	1500.3	1547.9	1591.1	1637.8
10°	1007.5	1145.6	1255.3	1325.1	1380.1	1435.9	1490.2	1542.8	1591.1	1644.3	1696.8
8.75°	1069.6	1200.2	1292.9	1354.9	1412.6	1470.5	1527.2	1580.5	1637.8	1696.8	1753.8
7.5°	1120.7	1242.2	1321.2	1381.0	1441.7	1501.6	1559.6	1618.4	1682.1	1745.8	1804.7
6.25°	1164.6	1275.7	1343.5	1404.6	1467.0	1528.8	1587.6	1653.5	1722.4	1789.0	1847.8
5°	1195.9	1294.9	1361.2	1424.5	1488.3	1551.2	1614.4	1685.0	1757.1	1824.3	1883.0
3.75°	1218.3	1310.0	1375.1	1440.1	1505.2	1568.6	1636.3	1710.3	1784.6	1851.3	1908.6
2.5°	1234.4	1320.9	1385.4	1451.5	1517.4	1581.3	1652.4	1729.1	1803.8	1870.6	1927.5
1.25°	1244.2	1327.5	1391.8	1458.3	1524.9	1589.0	1662.7	1740.5	1815.6	1882.6	1938.3
0°	1247.5	1329.7	1394.0	1460.7	1527.4	1591.6	1666.2	1744.4	1819.6	1886.6	1941.8
-1.25°	1244.2	1327.5	1391.8	1458.3	1524.9	1589.0	1662.7	1740.5	1815.6	1882.6	1938.3
-2.5°	1234.4	1320.9	1385.4	1451.5	1517.4	1581.3	1652.4	1729.1	1803.8	1870.6	1927.5
-3.75°	1218.3	1310.0	1375.1	1440.1	1505.2	1568.6	1636.3	1710.3	1784.6	1851.3	1908.6
-5°	1195.9	1294.9	1361.2	1424.5	1488.3	1551.2	1614.4	1685.0	1757.1	1824.3	1883.0
-6.25°	1164.6	1275.7	1343.5	1404.6	1467.0	1528.8	1587.6	1653.5	1722.4	1789.0	1847.8
-7.5°	1120.7	1242.2	1321.2	1381.0	1441.7	1501.6	1559.6	1618.4	1682.1	1745.8	1804.7
-8.75°	1069.6	1200.2	1292.9	1354.9	1412.6	1470.5	1527.2	1580.5	1637.8	1696.8	1753.8
-10°	1007.5	1145.6	1255.3	1325.1	1380.1	1435.9	1490.2	1542.8	1591.1	1644.3	1696.8
-11.25°	937.4	1078.0	1199.9	1287.9	1346.1	1398.1	1450.2	1500.3	1547.9	1591.1	1637.8
-12.5°	857.6	999.4	1128.7	1234.3	1306.2	1358.5	1407.2	1454.9	1500.3	1542.8	1580.5
-13.75°	772.1	912.1	1044.5	1163.1	1255.2	1315.5	1362.7	1407.2	1450.2	1490.2	1527.2
-15°	685.1	815.2	947.9	1070.7	1179.9	1262.3	1315.5	1358.5	1398.1	1435.9	1470.5
-16.25°	600.6	717.6	842.1	965.6	1079.1	1179.9	1255.2	1306.2	1346.1	1380.1	1412.6
-17.5°	522.2	621.7	734.0	851.1	965.6	1070.7	1163.1	1234.3	1287.9	1325.1	1354.9
-18.75°	455.8	532.6	628.8	734.0	842.1	947.9	1044.5	1128.7	1199.9	1255.3	1292.9
-20°	415.2	459.1	532.6	621.7	717.6	815.2	912.1	999.4	1078.0	1145.6	1200.2
-21.25°	386.2	415.2	455.8	522.2	600.6	685.1	772.1	857.6	937.4	1007.5	1069.6



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	361.4	384.4	409.6	447.2	501.5	565.8	639.6	714.6	786.5	856.2	919.1
-23.75°	337.3	358.5	379.3	402.0	432.8	470.9	524.5	583.6	644.4	704.8	760.9
-25°	312.6	333.0	352.7	371.5	391.5	413.0	442.4	478.4	522.4	567.9	615.2
-26.25°	290.1	307.3	326.0	344.1	361.3	377.7	395.4	414.1	438.2	461.5	495.7
-27.5°	267.8	284.3	300.2	316.3	332.8	348.4	363.0	376.6	391.0	404.2	420.5
-28.75°	246.3	260.9	276.2	290.8	304.6	318.9	332.9	345.9	357.8	368.6	378.5
-30°	229.1	240.5	252.0	265.9	279.2	291.7	303.3	314.9	326.3	336.6	345.9
-31.25°	211.8	222.7	233.2	243.2	253.6	265.6	276.7	287.1	296.5	305.1	313.4
-32.5°	194.2	204.7	214.8	224.4	233.5	242.0	250.0	259.9	268.9	277.1	284.4
-33.75°	176.4	186.6	196.3	205.5	214.2	222.4	230.0	237.0	243.4	249.3	256.0
-35°	159.4	168.3	177.6	186.5	194.8	202.6	209.9	216.7	222.8	228.4	233.3
-36.25°	145.2	152.6	159.6	167.3	175.3	182.8	189.8	196.3	202.2	207.5	212.2
-37.5°	131.0	138.1	144.8	151.2	157.2	162.9	169.6	175.8	181.5	186.6	191.1
-38.75°	117.2	123.7	129.9	136.1	141.8	147.2	152.3	156.9	161.1	165.6	169.9
-40°	103.4	109.7	115.6	121.2	126.5	131.6	136.4	140.8	144.9	148.5	151.8
-41.25°	92.4	95.8	101.3	106.7	111.8	116.5	120.9	124.9	128.6	132.1	135.2
-42.5°	84.3	87.7	90.8	93.8	97.0	101.5	105.7	109.6	113.1	116.3	119.2
-43.75°	77.1	79.5	82.5	85.4	88.1	90.6	92.9	95.1	97.6	100.7	103.4
-45°	74.3	75.4	76.4	77.4	79.5	81.9	84.2	86.2	88.1	89.8	91.3
-46.25°	71.4	72.5	73.5	74.4	75.3	76.1	76.8	77.5	79.1	80.7	82.2
-47.5°	69.9	70.3	70.8	71.4	72.2	73.0	73.7	74.4	75.0	75.5	76.0
-48.75°	68.4	68.9	69.4	69.8	70.2	70.5	70.9	71.3	71.9	72.4	72.8
-50°	67.0	67.5	67.9	68.3	68.7	69.0	69.4	69.7	69.9	70.2	70.4
-51.25°	65.6	66.0	66.4	66.8	67.2	67.5	67.8	68.1	68.4	68.6	68.8
-52.5°	64.0	64.5	65.0	65.3	65.7	66.0	66.3	66.6	66.8	67.0	67.2
-53.75°	62.1	62.7	63.1	63.6	64.0	64.4	64.8	65.0	65.3	65.5	65.7
-55°	60.4	60.8	61.3	61.7	62.1	62.5	62.8	63.1	63.4	63.7	63.9
-56.25°	58.9	59.3	59.6	60.0	60.3	60.5	60.9	61.2	61.4	61.7	61.9
-57.5°	57.5	57.8	58.1	58.5	58.7	59.0	59.3	59.5	59.7	59.9	60.1
-58.75°	55.3	55.8	56.3	56.7	57.1	57.5	57.7	57.9	58.1	58.3	58.5
-60°	53.0	53.5	54.0	54.4	54.8	55.2	55.6	55.9	56.2	56.4	56.6
-61.25°	50.6	51.1	51.6	52.1	52.5	52.9	53.2	53.5	53.8	54.0	54.2
-62.5°	48.0	48.5	49.0	49.4	49.8	50.2	50.6	50.9	51.2	51.5	51.7
-63.75°	45.0	45.6	46.2	46.8	47.2	47.6	47.9	48.2	48.5	48.7	49.0
-65°	41.6	42.2	42.8	43.3	43.8	44.3	44.7	45.1	45.4	45.7	46.0
-66.25°	38.6	39.0	39.4	39.9	40.3	40.7	41.1	41.5	41.8	42.1	42.4
-67.5°	35.9	36.4	36.7	37.1	37.4	37.8	38.1	38.3	38.6	38.8	39.0
-68.75°	33.2	33.7	34.1	34.4	34.7	35.0	35.3	35.5	35.8	36.0	36.2
-70°	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.6	32.9	33.1	33.3
-71.25°	27.4	27.7	28.1	28.4	28.7	29.0	29.3	29.5	29.7	29.9	30.1
-72.5°	25.9	26.1	26.2	26.4	26.5	26.7	26.8	26.9	27.0	27.1	27.2
-73.75°	24.4	24.5	24.7	24.8	25.0	25.1	25.2	25.3	25.4	25.5	25.6
-75°	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0
-76.25°	21.4	21.5	21.6	21.8	21.9	22.0	22.1	22.2	22.3	22.3	22.4
-77.5°	19.9	20.0	20.1	20.2	20.4	20.4	20.5	20.6	20.7	20.8	20.8



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.1	19.2	19.2
-80°	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.5	17.6
-81.25°	14.8	14.9	15.0	15.1	15.2	15.3	15.3	15.4	15.5	15.5	15.6
-82.5°	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.4	13.5	13.5
-83.75°	10.5	10.6	10.7	10.7	10.8	10.9	11.0	11.0	11.1	11.1	11.2
-85°	8.2	8.3	8.4	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.8
-86.25°	5.9	6.0	6.1	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.4
-87.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
-88.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
86.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.4
85°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
83.75°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
82.5°	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6
81.25°	15.6	15.7	15.7	15.7	15.7	15.7	15.8	15.7	15.7	15.7	15.7
80°	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.7
78.75°	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
77.5°	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9
76.25°	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5
75°	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.1
73.75°	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.8
72.5°	27.3	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.4
71.25°	30.3	30.4	30.5	30.6	30.7	30.7	30.7	30.7	30.7	30.6	30.5
70°	33.4	33.6	33.7	33.8	33.8	33.9	33.9	33.9	33.8	33.8	33.7
68.75°	36.3	36.4	36.6	36.6	36.7	36.7	36.8	36.7	36.7	36.6	36.6
67.5°	39.1	39.3	39.4	39.5	39.5	39.6	39.6	39.6	39.5	39.5	39.4
66.25°	42.6	42.8	43.0	43.1	43.2	43.2	43.3	43.2	43.2	43.1	43.0
65°	46.2	46.4	46.6	46.7	46.8	46.9	46.9	46.9	46.8	46.7	46.6
63.75°	49.2	49.3	49.5	49.6	49.6	49.7	49.7	49.7	49.6	49.6	49.5
62.5°	51.9	52.1	52.2	52.4	52.4	52.5	52.5	52.5	52.4	52.4	52.2
61.25°	54.4	54.6	54.7	54.8	54.9	54.9	55.0	54.9	54.9	54.8	54.7
60°	56.8	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.3	57.3	57.2
58.75°	58.6	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	58.9	58.8
57.5°	60.2	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.5	60.4
56.25°	62.1	62.3	62.4	62.5	62.6	62.6	62.7	62.6	62.6	62.5	62.4
55°	64.1	64.3	64.4	64.6	64.6	64.7	64.7	64.7	64.6	64.6	64.4
53.75°	65.8	66.0	66.1	66.2	66.2	66.3	66.3	66.3	66.2	66.2	66.1
52.5°	67.4	67.6	67.7	67.8	67.8	67.9	67.9	67.9	67.8	67.8	67.7
51.25°	69.0	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.4	69.4	69.3
50°	70.6	70.7	70.9	71.0	71.0	71.1	71.1	71.1	71.0	71.0	70.9
48.75°	73.2	73.6	73.9	74.1	74.2	74.3	74.4	74.3	74.2	74.1	73.9
47.5°	76.4	76.8	77.1	77.3	77.5	77.6	77.6	77.6	77.5	77.3	77.1
46.25°	83.4	84.5	85.3	86.0	86.5	86.8	86.9	86.8	86.5	86.0	85.3
45°	92.6	93.7	94.6	95.3	95.8	96.1	96.2	96.1	95.8	95.3	94.6
43.75°	105.8	107.8	109.4	110.7	111.6	112.2	112.4	112.2	111.6	110.7	109.4
42.5°	121.6	123.7	125.4	126.8	127.7	128.3	128.5	128.3	127.7	126.8	125.4
41.25°	137.9	140.2	142.1	143.6	144.7	145.3	145.5	145.3	144.7	143.6	142.1
40°	154.6	157.0	159.0	160.5	161.6	162.3	162.5	162.3	161.6	160.5	159.0
38.75°	173.7	176.9	179.6	181.6	183.1	184.0	184.3	184.0	183.1	181.6	179.6
37.5°	195.0	198.4	201.2	203.3	204.9	205.8	206.1	205.8	204.9	203.3	201.2
36.25°	216.4	219.9	222.8	225.0	226.7	227.6	228.0	227.6	226.7	225.0	222.8
35°	237.7	241.3	244.4	246.7	248.4	249.5	249.8	249.5	248.4	246.7	244.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	262.1	267.4	271.6	275.0	277.4	278.8	279.3	278.8	277.4	275.0	271.6
32.5°	290.8	296.3	300.8	304.3	306.8	308.3	308.8	308.3	306.8	304.3	300.8
31.25°	321.1	327.6	333.0	337.3	340.3	342.1	342.8	342.1	340.3	337.3	333.0
30°	353.9	360.8	366.5	370.9	374.1	376.1	376.7	376.1	374.1	370.9	366.5
28.75°	388.3	396.7	403.6	409.6	415.8	419.5	420.7	419.5	415.8	409.6	403.6
27.5°	436.9	450.9	465.6	481.5	492.8	499.7	502.0	499.7	492.8	481.5	465.6
26.25°	525.8	553.4	581.3	603.3	619.0	628.5	631.7	628.5	619.0	603.3	581.3
25°	656.8	696.5	729.8	755.8	774.6	785.9	789.7	785.9	774.6	755.8	729.8
23.75°	811.6	856.7	894.1	923.4	943.7	955.9	959.9	955.9	943.7	923.4	894.1
22.5°	972.3	1017.7	1055.4	1082.7	1102.2	1114.0	1117.9	1114.0	1102.2	1082.7	1055.4
21.25°	1120.7	1164.6	1195.9	1218.3	1234.4	1244.2	1247.5	1244.2	1234.4	1218.3	1195.9
20°	1242.2	1275.7	1294.9	1310.0	1320.9	1327.5	1329.7	1327.5	1320.9	1310.0	1294.9
18.75°	1321.2	1343.5	1361.2	1375.1	1385.4	1391.8	1394.0	1391.8	1385.4	1375.1	1361.2
17.5°	1381.0	1404.6	1424.5	1440.1	1451.5	1458.3	1460.7	1458.3	1451.5	1440.1	1424.5
16.25°	1441.7	1467.0	1488.3	1505.2	1517.4	1524.9	1527.4	1524.9	1517.4	1505.2	1488.3
15°	1501.6	1528.8	1551.2	1568.6	1581.3	1589.0	1591.6	1589.0	1581.3	1568.6	1551.2
13.75°	1559.6	1587.6	1614.4	1636.3	1652.4	1662.7	1666.2	1662.7	1652.4	1636.3	1614.4
12.5°	1618.4	1653.5	1685.0	1710.3	1729.1	1740.5	1744.4	1740.5	1729.1	1710.3	1685.0
11.25°	1682.1	1722.4	1757.1	1784.6	1803.8	1815.6	1819.6	1815.6	1803.8	1784.6	1757.1
10°	1745.8	1789.0	1824.3	1851.3	1870.6	1882.6	1886.6	1882.6	1870.6	1851.3	1824.3
8.75°	1804.7	1847.8	1883.0	1908.6	1927.5	1938.3	1941.8	1938.3	1927.5	1908.6	1883.0
7.5°	1855.6	1897.9	1931.6	1956.4	1974.5	1983.7	1986.9	1983.7	1974.5	1956.4	1931.6
6.25°	1897.9	1938.6	1971.6	1993.5	2007.9	2015.4	2018.0	2015.4	2007.9	1993.5	1971.6
5°	1931.6	1971.6	2000.2	2018.0	2027.6	2032.2	2033.8	2032.2	2027.6	2018.0	2000.2
3.75°	1956.4	1993.5	2018.0	2030.6	2036.2	2038.6	2038.6	2038.6	2036.2	2030.6	2018.0
2.5°	1974.5	2007.9	2027.6	2036.2	2038.6	2037.9	2037.0	2037.9	2038.6	2036.2	2027.6
1.25°	1983.7	2015.4	2032.2	2038.6	2037.9	2035.8	2036.6	2035.8	2037.9	2038.6	2032.2
0°	1986.9	2018.0	2033.8	2038.6	2037.0	2036.6	2042.6	2036.6	2037.0	2038.6	2033.8
-1.25°	1983.7	2015.4	2032.2	2038.6	2037.9	2035.8	2036.6	2035.8	2037.9	2038.6	2032.2
-2.5°	1974.5	2007.9	2027.6	2036.2	2038.6	2037.9	2037.0	2037.9	2038.6	2036.2	2027.6
-3.75°	1956.4	1993.5	2018.0	2030.6	2036.2	2038.6	2038.6	2038.6	2036.2	2030.6	2018.0
-5°	1931.6	1971.6	2000.2	2018.0	2027.6	2032.2	2033.8	2032.2	2027.6	2018.0	2000.2
-6.25°	1897.9	1938.6	1971.6	1993.5	2007.9	2015.4	2018.0	2015.4	2007.9	1993.5	1971.6
-7.5°	1855.6	1897.9	1931.6	1956.4	1974.5	1983.7	1986.9	1983.7	1974.5	1956.4	1931.6
-8.75°	1804.7	1847.8	1883.0	1908.6	1927.5	1938.3	1941.8	1938.3	1927.5	1908.6	1883.0
-10°	1745.8	1789.0	1824.3	1851.3	1870.6	1882.6	1886.6	1882.6	1870.6	1851.3	1824.3
-11.25°	1682.1	1722.4	1757.1	1784.6	1803.8	1815.6	1819.6	1815.6	1803.8	1784.6	1757.1
-12.5°	1618.4	1653.5	1685.0	1710.3	1729.1	1740.5	1744.4	1740.5	1729.1	1710.3	1685.0
-13.75°	1559.6	1587.6	1614.4	1636.3	1652.4	1662.7	1666.2	1662.7	1652.4	1636.3	1614.4
-15°	1501.6	1528.8	1551.2	1568.6	1581.3	1589.0	1591.6	1589.0	1581.3	1568.6	1551.2
-16.25°	1441.7	1467.0	1488.3	1505.2	1517.4	1524.9	1527.4	1524.9	1517.4	1505.2	1488.3
-17.5°	1381.0	1404.6	1424.5	1440.1	1451.5	1458.3	1460.7	1458.3	1451.5	1440.1	1424.5
-18.75°	1321.2	1343.5	1361.2	1375.1	1385.4	1391.8	1394.0	1391.8	1385.4	1375.1	1361.2
-20°	1242.2	1275.7	1294.9	1310.0	1320.9	1327.5	1329.7	1327.5	1320.9	1310.0	1294.9
-21.25°	1120.7	1164.6	1195.9	1218.3	1234.4	1244.2	1247.5	1244.2	1234.4	1218.3	1195.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	972.3	1017.7	1055.4	1082.7	1102.2	1114.0	1117.9	1114.0	1102.2	1082.7	1055.4
-23.75°	811.6	856.7	894.1	923.4	943.7	955.9	959.9	955.9	943.7	923.4	894.1
-25°	656.8	696.5	729.8	755.8	774.6	785.9	789.7	785.9	774.6	755.8	729.8
-26.25°	525.8	553.4	581.3	603.3	619.0	628.5	631.7	628.5	619.0	603.3	581.3
-27.5°	436.9	450.9	465.6	481.5	492.8	499.7	502.0	499.7	492.8	481.5	465.6
-28.75°	388.3	396.7	403.6	409.6	415.8	419.5	420.7	419.5	415.8	409.6	403.6
-30°	353.9	360.8	366.5	370.9	374.1	376.1	376.7	376.1	374.1	370.9	366.5
-31.25°	321.1	327.6	333.0	337.3	340.3	342.1	342.8	342.1	340.3	337.3	333.0
-32.5°	290.8	296.3	300.8	304.3	306.8	308.3	308.8	308.3	306.8	304.3	300.8
-33.75°	262.1	267.4	271.6	275.0	277.4	278.8	279.3	278.8	277.4	275.0	271.6
-35°	237.7	241.3	244.4	246.7	248.4	249.5	249.8	249.5	248.4	246.7	244.4
-36.25°	216.4	219.9	222.8	225.0	226.7	227.6	228.0	227.6	226.7	225.0	222.8
-37.5°	195.0	198.4	201.2	203.3	204.9	205.8	206.1	205.8	204.9	203.3	201.2
-38.75°	173.7	176.9	179.6	181.6	183.1	184.0	184.3	184.0	183.1	181.6	179.6
-40°	154.6	157.0	159.0	160.5	161.6	162.3	162.5	162.3	161.6	160.5	159.0
-41.25°	137.9	140.2	142.1	143.6	144.7	145.3	145.5	145.3	144.7	143.6	142.1
-42.5°	121.6	123.7	125.4	126.8	127.7	128.3	128.5	128.3	127.7	126.8	125.4
-43.75°	105.8	107.8	109.4	110.7	111.6	112.2	112.4	112.2	111.6	110.7	109.4
-45°	92.6	93.7	94.6	95.3	95.8	96.1	96.2	96.1	95.8	95.3	94.6
-46.25°	83.4	84.5	85.3	86.0	86.5	86.8	86.9	86.8	86.5	86.0	85.3
-47.5°	76.4	76.8	77.1	77.3	77.5	77.6	77.6	77.6	77.5	77.3	77.1
-48.75°	73.2	73.6	73.9	74.1	74.2	74.3	74.4	74.3	74.2	74.1	73.9
-50°	70.6	70.7	70.9	71.0	71.0	71.1	71.1	71.1	71.0	71.0	70.9
-51.25°	69.0	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.4	69.4	69.3
-52.5°	67.4	67.6	67.7	67.8	67.8	67.9	67.9	67.9	67.8	67.8	67.7
-53.75°	65.8	66.0	66.1	66.2	66.2	66.3	66.3	66.3	66.2	66.2	66.1
-55°	64.1	64.3	64.4	64.6	64.6	64.7	64.7	64.7	64.6	64.6	64.4
-56.25°	62.1	62.3	62.4	62.5	62.6	62.6	62.7	62.6	62.6	62.5	62.4
-57.5°	60.2	60.3	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.5	60.4
-58.75°	58.6	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	58.9	58.8
-60°	56.8	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.3	57.3	57.2
-61.25°	54.4	54.6	54.7	54.8	54.9	54.9	55.0	54.9	54.9	54.8	54.7
-62.5°	51.9	52.1	52.2	52.4	52.4	52.5	52.5	52.5	52.4	52.4	52.2
-63.75°	49.2	49.3	49.5	49.6	49.6	49.7	49.7	49.7	49.6	49.6	49.5
-65°	46.2	46.4	46.6	46.7	46.8	46.9	46.9	46.9	46.8	46.7	46.6
-66.25°	42.6	42.8	43.0	43.1	43.2	43.2	43.3	43.2	43.2	43.1	43.0
-67.5°	39.1	39.3	39.4	39.5	39.5	39.6	39.6	39.6	39.5	39.5	39.4
-68.75°	36.3	36.4	36.6	36.6	36.7	36.7	36.8	36.7	36.7	36.6	36.6
-70°	33.4	33.6	33.7	33.8	33.8	33.9	33.9	33.9	33.8	33.8	33.7
-71.25°	30.3	30.4	30.5	30.6	30.7	30.7	30.7	30.7	30.7	30.6	30.5
-72.5°	27.3	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.4	27.4
-73.75°	25.7	25.7	25.8	25.8	25.8	25.8	25.9	25.8	25.8	25.8	25.8
-75°	24.0	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.1
-76.25°	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.5
-77.5°	20.9	20.9	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	19.3	19.3	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.3
-80°	17.7	17.7	17.7	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.7
-81.25°	15.6	15.7	15.7	15.7	15.7	15.7	15.8	15.7	15.7	15.7	15.7
-82.5°	13.6	13.6	13.6	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.6
-83.75°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-85°	8.8	8.8	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
-86.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.4
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
86.25°	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1
85°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.4	8.4
83.75°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.7	10.7
82.5°	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.0	12.9
81.25°	15.7	15.6	15.6	15.5	15.5	15.4	15.3	15.3	15.2	15.1	15.0
80°	17.7	17.7	17.6	17.5	17.5	17.4	17.3	17.2	17.1	17.0	16.9
78.75°	19.3	19.3	19.2	19.2	19.1	19.1	19.0	18.9	18.8	18.7	18.6
77.5°	20.9	20.9	20.8	20.8	20.7	20.6	20.5	20.4	20.4	20.2	20.1
76.25°	22.5	22.4	22.4	22.3	22.3	22.2	22.1	22.0	21.9	21.8	21.6
75°	24.1	24.0	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2
73.75°	25.7	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.8	24.7
72.5°	27.4	27.3	27.2	27.1	27.0	26.9	26.8	26.7	26.5	26.4	26.2
71.25°	30.4	30.3	30.1	29.9	29.7	29.5	29.3	29.0	28.7	28.4	28.1
70°	33.6	33.4	33.3	33.1	32.9	32.6	32.4	32.1	31.8	31.4	31.1
68.75°	36.4	36.3	36.2	36.0	35.8	35.5	35.3	35.0	34.7	34.4	34.1
67.5°	39.3	39.1	39.0	38.8	38.6	38.3	38.1	37.8	37.4	37.1	36.7
66.25°	42.8	42.6	42.4	42.1	41.8	41.5	41.1	40.7	40.3	39.9	39.4
65°	46.4	46.2	46.0	45.7	45.4	45.1	44.7	44.3	43.8	43.3	42.8
63.75°	49.3	49.2	49.0	48.7	48.5	48.2	47.9	47.6	47.2	46.8	46.2
62.5°	52.1	51.9	51.7	51.5	51.2	50.9	50.6	50.2	49.8	49.4	49.0
61.25°	54.6	54.4	54.2	54.0	53.8	53.5	53.2	52.9	52.5	52.1	51.6
60°	57.0	56.8	56.6	56.4	56.2	55.9	55.6	55.2	54.8	54.4	54.0
58.75°	58.7	58.6	58.5	58.3	58.1	57.9	57.7	57.5	57.1	56.7	56.3
57.5°	60.3	60.2	60.1	59.9	59.7	59.5	59.3	59.0	58.7	58.5	58.1
56.25°	62.3	62.1	61.9	61.7	61.4	61.2	60.9	60.5	60.3	60.0	59.6
55°	64.3	64.1	63.9	63.7	63.4	63.1	62.8	62.5	62.1	61.7	61.3
53.75°	66.0	65.8	65.7	65.5	65.3	65.0	64.8	64.4	64.0	63.6	63.1
52.5°	67.6	67.4	67.2	67.0	66.8	66.6	66.3	66.0	65.7	65.3	65.0
51.25°	69.2	69.0	68.8	68.6	68.4	68.1	67.8	67.5	67.2	66.8	66.4
50°	70.7	70.6	70.4	70.2	69.9	69.7	69.4	69.0	68.7	68.3	67.9
48.75°	73.6	73.2	72.8	72.4	71.9	71.3	70.9	70.5	70.2	69.8	69.4
47.5°	76.8	76.4	76.0	75.5	75.0	74.4	73.7	73.0	72.2	71.4	70.8
46.25°	84.5	83.4	82.2	80.7	79.1	77.5	76.8	76.1	75.3	74.4	73.5
45°	93.7	92.6	91.3	89.8	88.1	86.2	84.2	81.9	79.5	77.4	76.4
43.75°	107.8	105.8	103.4	100.7	97.6	95.1	92.9	90.6	88.1	85.4	82.5
42.5°	123.7	121.6	119.2	116.3	113.1	109.6	105.7	101.5	97.0	93.8	90.8
41.25°	140.2	137.9	135.2	132.1	128.6	124.9	120.9	116.5	111.8	106.7	101.3
40°	157.0	154.6	151.8	148.5	144.9	140.8	136.4	131.6	126.5	121.2	115.6
38.75°	176.9	173.7	169.9	165.6	161.1	156.9	152.3	147.2	141.8	136.1	129.9
37.5°	198.4	195.0	191.1	186.6	181.5	175.8	169.6	162.9	157.2	151.2	144.8
36.25°	219.9	216.4	212.2	207.5	202.2	196.3	189.8	182.8	175.3	167.3	159.6
35°	241.3	237.7	233.3	228.4	222.8	216.7	209.9	202.6	194.8	186.5	177.6



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	267.4	262.1	256.0	249.3	243.4	237.0	230.0	222.4	214.2	205.5	196.3
32.5°	296.3	290.8	284.4	277.1	268.9	259.9	250.0	242.0	233.5	224.4	214.8
31.25°	327.6	321.1	313.4	305.1	296.5	287.1	276.7	265.6	253.6	243.2	233.2
30°	360.8	353.9	345.9	336.6	326.3	314.9	303.3	291.7	279.2	265.9	252.0
28.75°	396.7	388.3	378.5	368.6	357.8	345.9	332.9	318.9	304.6	290.8	276.2
27.5°	450.9	436.9	420.5	404.2	391.0	376.6	363.0	348.4	332.8	316.3	300.2
26.25°	553.4	525.8	495.7	461.5	438.2	414.1	395.4	377.7	361.3	344.1	326.0
25°	696.5	656.8	615.2	567.9	522.4	478.4	442.4	413.0	391.5	371.5	352.7
23.75°	856.7	811.6	760.9	704.8	644.4	583.6	524.5	470.9	432.8	402.0	379.3
22.5°	1017.7	972.3	919.1	856.2	786.5	714.6	639.6	565.8	501.5	447.2	409.6
21.25°	1164.6	1120.7	1069.6	1007.5	937.4	857.6	772.1	685.1	600.6	522.2	455.8
20°	1275.7	1242.2	1200.2	1145.6	1078.0	999.4	912.1	815.2	717.6	621.7	532.6
18.75°	1343.5	1321.2	1292.9	1255.3	1199.9	1128.7	1044.5	947.9	842.1	734.0	628.8
17.5°	1404.6	1381.0	1354.9	1325.1	1287.9	1234.3	1163.1	1070.7	965.6	851.1	734.0
16.25°	1467.0	1441.7	1412.6	1380.1	1346.1	1306.2	1255.2	1179.9	1079.1	965.6	842.1
15°	1528.8	1501.6	1470.5	1435.9	1398.1	1358.5	1315.5	1262.3	1179.9	1070.7	947.9
13.75°	1587.6	1559.6	1527.2	1490.2	1450.2	1407.2	1362.7	1315.5	1255.2	1163.1	1044.5
12.5°	1653.5	1618.4	1580.5	1542.8	1500.3	1454.9	1407.2	1358.5	1306.2	1234.3	1128.7
11.25°	1722.4	1682.1	1637.8	1591.1	1547.9	1500.3	1450.2	1398.1	1346.1	1287.9	1199.9
10°	1789.0	1745.8	1696.8	1644.3	1591.1	1542.8	1490.2	1435.9	1380.1	1325.1	1255.3
8.75°	1847.8	1804.7	1753.8	1696.8	1637.8	1580.5	1527.2	1470.5	1412.6	1354.9	1292.9
7.5°	1897.9	1855.6	1804.7	1745.8	1682.1	1618.4	1559.6	1501.6	1441.7	1381.0	1321.2
6.25°	1938.6	1897.9	1847.8	1789.0	1722.4	1653.5	1587.6	1528.8	1467.0	1404.6	1343.5
5°	1971.6	1931.6	1883.0	1824.3	1757.1	1685.0	1614.4	1551.2	1488.3	1424.5	1361.2
3.75°	1993.5	1956.4	1908.6	1851.3	1784.6	1710.3	1636.3	1568.6	1505.2	1440.1	1375.1
2.5°	2007.9	1974.5	1927.5	1870.6	1803.8	1729.1	1652.4	1581.3	1517.4	1451.5	1385.4
1.25°	2015.4	1983.7	1938.3	1882.6	1815.6	1740.5	1662.7	1589.0	1524.9	1458.3	1391.8
0°	2018.0	1986.9	1941.8	1886.6	1819.6	1744.4	1666.2	1591.6	1527.4	1460.7	1394.0
-1.25°	2015.4	1983.7	1938.3	1882.6	1815.6	1740.5	1662.7	1589.0	1524.9	1458.3	1391.8
-2.5°	2007.9	1974.5	1927.5	1870.6	1803.8	1729.1	1652.4	1581.3	1517.4	1451.5	1385.4
-3.75°	1993.5	1956.4	1908.6	1851.3	1784.6	1710.3	1636.3	1568.6	1505.2	1440.1	1375.1
-5°	1971.6	1931.6	1883.0	1824.3	1757.1	1685.0	1614.4	1551.2	1488.3	1424.5	1361.2
-6.25°	1938.6	1897.9	1847.8	1789.0	1722.4	1653.5	1587.6	1528.8	1467.0	1404.6	1343.5
-7.5°	1897.9	1855.6	1804.7	1745.8	1682.1	1618.4	1559.6	1501.6	1441.7	1381.0	1321.2
-8.75°	1847.8	1804.7	1753.8	1696.8	1637.8	1580.5	1527.2	1470.5	1412.6	1354.9	1292.9
-10°	1789.0	1745.8	1696.8	1644.3	1591.1	1542.8	1490.2	1435.9	1380.1	1325.1	1255.3
-11.25°	1722.4	1682.1	1637.8	1591.1	1547.9	1500.3	1450.2	1398.1	1346.1	1287.9	1199.9
-12.5°	1653.5	1618.4	1580.5	1542.8	1500.3	1454.9	1407.2	1358.5	1306.2	1234.3	1128.7
-13.75°	1587.6	1559.6	1527.2	1490.2	1450.2	1407.2	1362.7	1315.5	1255.2	1163.1	1044.5
-15°	1528.8	1501.6	1470.5	1435.9	1398.1	1358.5	1315.5	1262.3	1179.9	1070.7	947.9
-16.25°	1467.0	1441.7	1412.6	1380.1	1346.1	1306.2	1255.2	1179.9	1079.1	965.6	842.1
-17.5°	1404.6	1381.0	1354.9	1325.1	1287.9	1234.3	1163.1	1070.7	965.6	851.1	734.0
-18.75°	1343.5	1321.2	1292.9	1255.3	1199.9	1128.7	1044.5	947.9	842.1	734.0	628.8
-20°	1275.7	1242.2	1200.2	1145.6	1078.0	999.4	912.1	815.2	717.6	621.7	532.6
-21.25°	1164.6	1120.7	1069.6	1007.5	937.4	857.6	772.1	685.1	600.6	522.2	455.8



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1017.7	972.3	919.1	856.2	786.5	714.6	639.6	565.8	501.5	447.2	409.6
-23.75°	856.7	811.6	760.9	704.8	644.4	583.6	524.5	470.9	432.8	402.0	379.3
-25°	696.5	656.8	615.2	567.9	522.4	478.4	442.4	413.0	391.5	371.5	352.7
-26.25°	553.4	525.8	495.7	461.5	438.2	414.1	395.4	377.7	361.3	344.1	326.0
-27.5°	450.9	436.9	420.5	404.2	391.0	376.6	363.0	348.4	332.8	316.3	300.2
-28.75°	396.7	388.3	378.5	368.6	357.8	345.9	332.9	318.9	304.6	290.8	276.2
-30°	360.8	353.9	345.9	336.6	326.3	314.9	303.3	291.7	279.2	265.9	252.0
-31.25°	327.6	321.1	313.4	305.1	296.5	287.1	276.7	265.6	253.6	243.2	233.2
-32.5°	296.3	290.8	284.4	277.1	268.9	259.9	250.0	242.0	233.5	224.4	214.8
-33.75°	267.4	262.1	256.0	249.3	243.4	237.0	230.0	222.4	214.2	205.5	196.3
-35°	241.3	237.7	233.3	228.4	222.8	216.7	209.9	202.6	194.8	186.5	177.6
-36.25°	219.9	216.4	212.2	207.5	202.2	196.3	189.8	182.8	175.3	167.3	159.6
-37.5°	198.4	195.0	191.1	186.6	181.5	175.8	169.6	162.9	157.2	151.2	144.8
-38.75°	176.9	173.7	169.9	165.6	161.1	156.9	152.3	147.2	141.8	136.1	129.9
-40°	157.0	154.6	151.8	148.5	144.9	140.8	136.4	131.6	126.5	121.2	115.6
-41.25°	140.2	137.9	135.2	132.1	128.6	124.9	120.9	116.5	111.8	106.7	101.3
-42.5°	123.7	121.6	119.2	116.3	113.1	109.6	105.7	101.5	97.0	93.8	90.8
-43.75°	107.8	105.8	103.4	100.7	97.6	95.1	92.9	90.6	88.1	85.4	82.5
-45°	93.7	92.6	91.3	89.8	88.1	86.2	84.2	81.9	79.5	77.4	76.4
-46.25°	84.5	83.4	82.2	80.7	79.1	77.5	76.8	76.1	75.3	74.4	73.5
-47.5°	76.8	76.4	76.0	75.5	75.0	74.4	73.7	73.0	72.2	71.4	70.8
-48.75°	73.6	73.2	72.8	72.4	71.9	71.3	70.9	70.5	70.2	69.8	69.4
-50°	70.7	70.6	70.4	70.2	69.9	69.7	69.4	69.0	68.7	68.3	67.9
-51.25°	69.2	69.0	68.8	68.6	68.4	68.1	67.8	67.5	67.2	66.8	66.4
-52.5°	67.6	67.4	67.2	67.0	66.8	66.6	66.3	66.0	65.7	65.3	65.0
-53.75°	66.0	65.8	65.7	65.5	65.3	65.0	64.8	64.4	64.0	63.6	63.1
-55°	64.3	64.1	63.9	63.7	63.4	63.1	62.8	62.5	62.1	61.7	61.3
-56.25°	62.3	62.1	61.9	61.7	61.4	61.2	60.9	60.5	60.3	60.0	59.6
-57.5°	60.3	60.2	60.1	59.9	59.7	59.5	59.3	59.0	58.7	58.5	58.1
-58.75°	58.7	58.6	58.5	58.3	58.1	57.9	57.7	57.5	57.1	56.7	56.3
-60°	57.0	56.8	56.6	56.4	56.2	55.9	55.6	55.2	54.8	54.4	54.0
-61.25°	54.6	54.4	54.2	54.0	53.8	53.5	53.2	52.9	52.5	52.1	51.6
-62.5°	52.1	51.9	51.7	51.5	51.2	50.9	50.6	50.2	49.8	49.4	49.0
-63.75°	49.3	49.2	49.0	48.7	48.5	48.2	47.9	47.6	47.2	46.8	46.2
-65°	46.4	46.2	46.0	45.7	45.4	45.1	44.7	44.3	43.8	43.3	42.8
-66.25°	42.8	42.6	42.4	42.1	41.8	41.5	41.1	40.7	40.3	39.9	39.4
-67.5°	39.3	39.1	39.0	38.8	38.6	38.3	38.1	37.8	37.4	37.1	36.7
-68.75°	36.4	36.3	36.2	36.0	35.8	35.5	35.3	35.0	34.7	34.4	34.1
-70°	33.6	33.4	33.3	33.1	32.9	32.6	32.4	32.1	31.8	31.4	31.1
-71.25°	30.4	30.3	30.1	29.9	29.7	29.5	29.3	29.0	28.7	28.4	28.1
-72.5°	27.4	27.3	27.2	27.1	27.0	26.9	26.8	26.7	26.5	26.4	26.2
-73.75°	25.7	25.7	25.6	25.5	25.4	25.3	25.2	25.1	25.0	24.8	24.7
-75°	24.1	24.0	24.0	23.9	23.8	23.7	23.6	23.5	23.4	23.3	23.2
-76.25°	22.5	22.4	22.4	22.3	22.3	22.2	22.1	22.0	21.9	21.8	21.6
-77.5°	20.9	20.9	20.8	20.8	20.7	20.6	20.5	20.4	20.4	20.2	20.1



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	19.3	19.3	19.2	19.2	19.1	19.1	19.0	18.9	18.8	18.7	18.6
-80°	17.7	17.7	17.6	17.5	17.5	17.4	17.3	17.2	17.1	17.0	16.9
-81.25°	15.7	15.6	15.6	15.5	15.5	15.4	15.3	15.3	15.2	15.1	15.0
-82.5°	13.6	13.6	13.5	13.5	13.4	13.4	13.3	13.2	13.1	13.0	12.9
-83.75°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.7	10.7
-85°	8.8	8.8	8.8	8.8	8.7	8.7	8.6	8.6	8.5	8.4	8.4
-86.25°	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1
-87.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
-88.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
86.25°	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5	5.4	5.3
85°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
83.75°	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.6	9.4
82.5°	12.8	12.7	12.6	12.5	12.3	12.2	12.1	11.9	11.8	11.6	11.4
81.25°	14.9	14.8	14.7	14.5	14.4	14.3	14.1	14.0	13.8	13.6	13.5
80°	16.8	16.7	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.2
78.75°	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.6	17.4	17.1	16.9
77.5°	20.0	19.9	19.8	19.6	19.5	19.3	19.2	19.0	18.8	18.6	18.5
76.25°	21.5	21.4	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.8
75°	23.0	22.9	22.7	22.5	22.4	22.2	22.0	21.8	21.6	21.4	21.1
73.75°	24.5	24.4	24.2	24.0	23.8	23.6	23.4	23.2	23.0	22.7	22.5
72.5°	26.1	25.9	25.7	25.5	25.3	25.1	24.8	24.6	24.3	24.1	23.8
71.25°	27.7	27.4	27.2	27.0	26.8	26.5	26.3	26.0	25.7	25.5	25.2
70°	30.7	30.3	29.9	29.4	28.9	28.4	27.9	27.4	27.1	26.8	26.5
68.75°	33.7	33.2	32.8	32.3	31.8	31.3	30.7	30.1	29.5	28.9	28.3
67.5°	36.4	35.9	35.5	35.0	34.6	34.1	33.5	32.9	32.2	31.6	30.9
66.25°	39.0	38.6	38.1	37.6	37.1	36.6	36.0	35.4	34.8	34.2	33.5
65°	42.2	41.6	41.0	40.4	39.7	39.1	38.5	37.9	37.2	36.6	35.9
63.75°	45.6	45.0	44.3	43.6	42.9	42.1	41.3	40.5	39.7	39.0	38.2
62.5°	48.5	48.0	47.5	46.9	46.1	45.3	44.5	43.6	42.7	41.8	40.8
61.25°	51.1	50.6	50.0	49.4	48.8	48.1	47.5	46.7	45.8	44.8	43.8
60°	53.5	53.0	52.5	51.9	51.3	50.6	49.9	49.1	48.4	47.6	46.7
58.75°	55.8	55.3	54.7	54.2	53.6	52.9	52.3	51.5	50.7	49.9	49.0
57.5°	57.8	57.5	56.9	56.3	55.7	55.1	54.4	53.7	53.0	52.2	51.3
56.25°	59.3	58.9	58.5	58.1	57.7	57.2	56.5	55.7	55.0	54.2	53.4
55°	60.8	60.4	60.0	59.5	59.1	58.6	58.1	57.6	57.0	56.2	55.3
53.75°	62.7	62.1	61.6	61.0	60.5	60.0	59.5	59.0	58.4	57.9	57.2
52.5°	64.5	64.0	63.4	62.8	62.2	61.6	60.9	60.3	59.7	59.1	58.5
51.25°	66.0	65.6	65.1	64.6	64.0	63.3	62.6	61.9	61.1	60.4	59.8
50°	67.5	67.0	66.5	66.0	65.5	65.0	64.3	63.6	62.8	62.0	61.1
48.75°	68.9	68.4	67.9	67.4	66.9	66.3	65.7	65.1	64.4	63.6	62.7
47.5°	70.3	69.9	69.3	68.8	68.2	67.6	67.0	66.4	65.7	65.1	64.3
46.25°	72.5	71.4	70.7	70.2	69.6	69.0	68.3	67.7	67.0	66.3	65.6
45°	75.4	74.3	73.2	72.0	70.9	70.3	69.6	68.9	68.2	67.5	66.8
43.75°	79.5	77.1	75.9	74.7	73.4	72.1	70.9	70.2	69.5	68.7	67.9
42.5°	87.7	84.3	80.8	77.4	76.1	74.7	73.3	71.8	70.7	69.9	69.1
41.25°	95.8	92.4	88.7	84.9	81.0	77.3	75.9	74.3	72.7	71.1	70.3
40°	109.7	103.4	96.9	92.6	88.5	84.3	79.9	76.8	75.2	73.5	71.7
38.75°	123.7	117.2	110.4	103.3	96.0	91.6	87.0	82.3	77.6	75.8	74.0
37.5°	138.1	131.0	123.8	116.4	108.8	100.9	94.2	89.3	84.3	79.1	76.3
36.25°	152.6	145.2	137.5	129.5	121.5	113.3	104.9	96.2	91.0	85.7	80.2
35°	168.3	159.4	151.4	143.1	134.4	125.7	116.9	107.9	98.6	92.1	86.5



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°
33.75°	186.6	176.4	165.8	156.5	147.5	138.3	128.8	119.5	109.9	100.1	92.7
32.5°	204.7	194.2	183.2	171.8	160.5	150.9	141.1	131.0	121.0	110.9	100.6
31.25°	222.7	211.8	200.3	188.5	176.2	163.6	153.2	142.8	132.1	121.5	110.9
30°	240.5	229.1	217.3	205.0	192.3	179.3	165.8	154.3	143.3	132.1	121.0
28.75°	260.9	246.3	234.0	221.3	208.1	194.6	180.8	166.6	154.3	142.8	131.0
27.5°	284.3	267.8	250.6	237.2	223.7	209.7	195.4	180.8	165.8	153.2	141.1
26.25°	307.3	290.1	272.3	254.0	238.9	224.5	209.7	194.6	179.3	163.6	150.9
25°	333.0	312.6	293.7	274.6	255.1	238.9	223.7	208.1	192.3	176.2	160.5
23.75°	358.5	337.3	315.3	294.8	274.6	254.0	237.2	221.3	205.0	188.5	171.8
22.5°	384.4	361.4	338.7	315.3	293.7	272.3	250.6	234.0	217.3	200.3	183.2
21.25°	415.2	386.2	361.4	337.3	312.6	290.1	267.8	246.3	229.1	211.8	194.2
20°	459.1	415.2	384.4	358.5	333.0	307.3	284.3	260.9	240.5	222.7	204.7
18.75°	532.6	455.8	409.6	379.3	352.7	326.0	300.2	276.2	252.0	233.2	214.8
17.5°	621.7	522.2	447.2	402.0	371.5	344.1	316.3	290.8	265.9	243.2	224.4
16.25°	717.6	600.6	501.5	432.8	391.5	361.3	332.8	304.6	279.2	253.6	233.5
15°	815.2	685.1	565.8	470.9	413.0	377.7	348.4	318.9	291.7	265.6	242.0
13.75°	912.1	772.1	639.6	524.5	442.4	395.4	363.0	332.9	303.3	276.7	250.0
12.5°	999.4	857.6	714.6	583.6	478.4	414.1	376.6	345.9	314.9	287.1	259.9
11.25°	1078.0	937.4	786.5	644.4	522.4	438.2	391.0	357.8	326.3	296.5	268.9
10°	1145.6	1007.5	856.2	704.8	567.9	461.5	404.2	368.6	336.6	305.1	277.1
8.75°	1200.2	1069.6	919.1	760.9	615.2	495.7	420.5	378.5	345.9	313.4	284.4
7.5°	1242.2	1120.7	972.3	811.6	656.8	525.8	436.9	388.3	353.9	321.1	290.8
6.25°	1275.7	1164.6	1017.7	856.7	696.5	553.4	450.9	396.7	360.8	327.6	296.3
5°	1294.9	1195.9	1055.4	894.1	729.8	581.3	465.6	403.6	366.5	333.0	300.8
3.75°	1310.0	1218.3	1082.7	923.4	755.8	603.3	481.5	409.6	370.9	337.3	304.3
2.5°	1320.9	1234.4	1102.2	943.7	774.6	619.0	492.8	415.8	374.1	340.3	306.8
1.25°	1327.5	1244.2	1114.0	955.9	785.9	628.5	499.7	419.5	376.1	342.1	308.3
0°	1329.7	1247.5	1117.9	959.9	789.7	631.7	502.0	420.7	376.7	342.8	308.8
-1.25°	1327.5	1244.2	1114.0	955.9	785.9	628.5	499.7	419.5	376.1	342.1	308.3
-2.5°	1320.9	1234.4	1102.2	943.7	774.6	619.0	492.8	415.8	374.1	340.3	306.8
-3.75°	1310.0	1218.3	1082.7	923.4	755.8	603.3	481.5	409.6	370.9	337.3	304.3
-5°	1294.9	1195.9	1055.4	894.1	729.8	581.3	465.6	403.6	366.5	333.0	300.8
-6.25°	1275.7	1164.6	1017.7	856.7	696.5	553.4	450.9	396.7	360.8	327.6	296.3
-7.5°	1242.2	1120.7	972.3	811.6	656.8	525.8	436.9	388.3	353.9	321.1	290.8
-8.75°	1200.2	1069.6	919.1	760.9	615.2	495.7	420.5	378.5	345.9	313.4	284.4
-10°	1145.6	1007.5	856.2	704.8	567.9	461.5	404.2	368.6	336.6	305.1	277.1
-11.25°	1078.0	937.4	786.5	644.4	522.4	438.2	391.0	357.8	326.3	296.5	268.9
-12.5°	999.4	857.6	714.6	583.6	478.4	414.1	376.6	345.9	314.9	287.1	259.9
-13.75°	912.1	772.1	639.6	524.5	442.4	395.4	363.0	332.9	303.3	276.7	250.0
-15°	815.2	685.1	565.8	470.9	413.0	377.7	348.4	318.9	291.7	265.6	242.0
-16.25°	717.6	600.6	501.5	432.8	391.5	361.3	332.8	304.6	279.2	253.6	233.5
-17.5°	621.7	522.2	447.2	402.0	371.5	344.1	316.3	290.8	265.9	243.2	224.4
-18.75°	532.6	455.8	409.6	379.3	352.7	326.0	300.2	276.2	252.0	233.2	214.8
-20°	459.1	415.2	384.4	358.5	333.0	307.3	284.3	260.9	240.5	222.7	204.7
-21.25°	415.2	386.2	361.4	337.3	312.6	290.1	267.8	246.3	229.1	211.8	194.2

REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°
-22.5°	384.4	361.4	338.7	315.3	293.7	272.3	250.6	234.0	217.3	200.3	183.2
-23.75°	358.5	337.3	315.3	294.8	274.6	254.0	237.2	221.3	205.0	188.5	171.8
-25°	333.0	312.6	293.7	274.6	255.1	238.9	223.7	208.1	192.3	176.2	160.5
-26.25°	307.3	290.1	272.3	254.0	238.9	224.5	209.7	194.6	179.3	163.6	150.9
-27.5°	284.3	267.8	250.6	237.2	223.7	209.7	195.4	180.8	165.8	153.2	141.1
-28.75°	260.9	246.3	234.0	221.3	208.1	194.6	180.8	166.6	154.3	142.8	131.0
-30°	240.5	229.1	217.3	205.0	192.3	179.3	165.8	154.3	143.3	132.1	121.0
-31.25°	222.7	211.8	200.3	188.5	176.2	163.6	153.2	142.8	132.1	121.5	110.9
-32.5°	204.7	194.2	183.2	171.8	160.5	150.9	141.1	131.0	121.0	110.9	100.6
-33.75°	186.6	176.4	165.8	156.5	147.5	138.3	128.8	119.5	109.9	100.1	92.7
-35°	168.3	159.4	151.4	143.1	134.4	125.7	116.9	107.9	98.6	92.1	86.5
-36.25°	152.6	145.2	137.5	129.5	121.5	113.3	104.9	96.2	91.0	85.7	80.2
-37.5°	138.1	131.0	123.8	116.4	108.8	100.9	94.2	89.3	84.3	79.1	76.3
-38.75°	123.7	117.2	110.4	103.3	96.0	91.6	87.0	82.3	77.6	75.8	74.0
-40°	109.7	103.4	96.9	92.6	88.5	84.3	79.9	76.8	75.2	73.5	71.7
-41.25°	95.8	92.4	88.7	84.9	81.0	77.3	75.9	74.3	72.7	71.1	70.3
-42.5°	87.7	84.3	80.8	77.4	76.1	74.7	73.3	71.8	70.7	69.9	69.1
-43.75°	79.5	77.1	75.9	74.7	73.4	72.1	70.9	70.2	69.5	68.7	67.9
-45°	75.4	74.3	73.2	72.0	70.9	70.3	69.6	68.9	68.2	67.5	66.8
-46.25°	72.5	71.4	70.7	70.2	69.6	69.0	68.3	67.7	67.0	66.3	65.6
-47.5°	70.3	69.9	69.3	68.8	68.2	67.6	67.0	66.4	65.7	65.1	64.3
-48.75°	68.9	68.4	67.9	67.4	66.9	66.3	65.7	65.1	64.4	63.6	62.7
-50°	67.5	67.0	66.5	66.0	65.5	65.0	64.3	63.6	62.8	62.0	61.1
-51.25°	66.0	65.6	65.1	64.6	64.0	63.3	62.6	61.9	61.1	60.4	59.8
-52.5°	64.5	64.0	63.4	62.8	62.2	61.6	60.9	60.3	59.7	59.1	58.5
-53.75°	62.7	62.1	61.6	61.0	60.5	60.0	59.5	59.0	58.4	57.9	57.2
-55°	60.8	60.4	60.0	59.5	59.1	58.6	58.1	57.6	57.0	56.2	55.3
-56.25°	59.3	58.9	58.5	58.1	57.7	57.2	56.5	55.7	55.0	54.2	53.4
-57.5°	57.8	57.5	56.9	56.3	55.7	55.1	54.4	53.7	53.0	52.2	51.3
-58.75°	55.8	55.3	54.7	54.2	53.6	52.9	52.3	51.5	50.7	49.9	49.0
-60°	53.5	53.0	52.5	51.9	51.3	50.6	49.9	49.1	48.4	47.6	46.7
-61.25°	51.1	50.6	50.0	49.4	48.8	48.1	47.5	46.7	45.8	44.8	43.8
-62.5°	48.5	48.0	47.5	46.9	46.1	45.3	44.5	43.6	42.7	41.8	40.8
-63.75°	45.6	45.0	44.3	43.6	42.9	42.1	41.3	40.5	39.7	39.0	38.2
-65°	42.2	41.6	41.0	40.4	39.7	39.1	38.5	37.9	37.2	36.6	35.9
-66.25°	39.0	38.6	38.1	37.6	37.1	36.6	36.0	35.4	34.8	34.2	33.5
-67.5°	36.4	35.9	35.5	35.0	34.6	34.1	33.5	32.9	32.2	31.6	30.9
-68.75°	33.7	33.2	32.8	32.3	31.8	31.3	30.7	30.1	29.5	28.9	28.3
-70°	30.7	30.3	29.9	29.4	28.9	28.4	27.9	27.4	27.1	26.8	26.5
-71.25°	27.7	27.4	27.2	27.0	26.8	26.5	26.3	26.0	25.7	25.5	25.2
-72.5°	26.1	25.9	25.7	25.5	25.3	25.1	24.8	24.6	24.3	24.1	23.8
-73.75°	24.5	24.4	24.2	24.0	23.8	23.6	23.4	23.2	23.0	22.7	22.5
-75°	23.0	22.9	22.7	22.5	22.4	22.2	22.0	21.8	21.6	21.4	21.1
-76.25°	21.5	21.4	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.8
-77.5°	20.0	19.9	19.8	19.6	19.5	19.3	19.2	19.0	18.8	18.6	18.5



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.6	17.4	17.1	16.9
-80°	16.8	16.7	16.5	16.4	16.2	16.1	15.9	15.8	15.6	15.4	15.2
-81.25°	14.9	14.8	14.7	14.5	14.4	14.3	14.1	14.0	13.8	13.6	13.5
-82.5°	12.8	12.7	12.6	12.5	12.3	12.2	12.1	11.9	11.8	11.6	11.4
-83.75°	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.7	9.6	9.4
-85°	8.3	8.2	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4
-86.25°	6.0	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5	5.4	5.3
-87.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
-88.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
85°	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.9
83.75°	9.3	9.1	9.0	8.8	8.6	8.5	8.3	8.1	7.9	7.8	7.6
82.5°	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2
81.25°	13.3	13.0	12.8	12.6	12.4	12.1	11.9	11.7	11.4	11.2	10.9
80°	15.0	14.8	14.6	14.4	14.2	13.9	13.7	13.4	13.1	12.8	12.5
78.75°	16.7	16.5	16.2	16.0	15.8	15.5	15.2	15.0	14.7	14.4	14.1
77.5°	18.3	18.1	17.9	17.6	17.3	17.1	16.8	16.5	16.2	15.8	15.5
76.25°	19.6	19.4	19.1	18.9	18.7	18.4	18.2	17.9	17.6	17.3	16.9
75°	20.9	20.7	20.4	20.2	19.9	19.6	19.4	19.1	18.8	18.5	18.2
73.75°	22.2	22.0	21.7	21.4	21.1	20.8	20.5	20.2	19.9	19.6	19.3
72.5°	23.5	23.3	23.0	22.7	22.4	22.0	21.7	21.4	21.1	20.7	20.4
71.25°	24.9	24.6	24.2	23.9	23.6	23.2	22.9	22.5	22.2	21.8	21.4
70°	26.2	25.9	25.5	25.2	24.8	24.4	24.1	23.7	23.3	22.9	22.5
68.75°	27.6	27.2	26.8	26.5	26.1	25.7	25.3	24.9	24.4	24.0	23.6
67.5°	30.2	29.5	28.7	27.9	27.3	26.9	26.5	26.0	25.6	25.1	24.7
66.25°	32.8	32.0	31.2	30.4	29.6	28.7	27.8	27.2	26.7	26.2	25.7
65°	35.2	34.5	33.7	32.9	32.0	31.1	30.1	29.2	28.2	27.4	26.8
63.75°	37.5	36.7	35.9	35.1	34.3	33.4	32.4	31.4	30.4	29.4	28.3
62.5°	39.8	39.0	38.1	37.3	36.4	35.5	34.6	33.7	32.6	31.5	30.4
61.25°	42.7	41.7	40.5	39.4	38.5	37.6	36.6	35.7	34.7	33.6	32.4
60°	45.6	44.5	43.3	42.1	40.9	39.7	38.6	37.6	36.6	35.5	34.4
58.75°	48.1	47.2	46.1	44.9	43.6	42.3	40.9	39.6	38.5	37.4	36.2
57.5°	50.3	49.4	48.4	47.4	46.2	44.9	43.5	42.0	40.6	39.2	38.0
56.25°	52.5	51.5	50.5	49.5	48.4	47.3	46.0	44.5	43.0	41.4	39.9
55°	54.4	53.5	52.6	51.5	50.4	49.3	48.1	46.9	45.4	43.8	42.1
53.75°	56.3	55.4	54.4	53.4	52.4	51.2	50.0	48.8	47.5	46.1	44.4
52.5°	57.9	57.2	56.2	55.2	54.2	53.1	51.9	50.6	49.3	48.0	46.6
51.25°	59.1	58.5	57.8	57.0	55.9	54.8	53.6	52.5	51.1	49.7	48.4
50°	60.4	59.7	59.0	58.2	57.5	56.4	55.2	54.0	52.8	51.5	50.0
48.75°	61.8	60.9	60.1	59.4	58.6	57.8	56.8	55.6	54.3	53.1	51.7
47.5°	63.3	62.4	61.4	60.5	59.7	58.9	58.1	57.2	55.9	54.5	53.2
46.25°	64.8	63.9	62.9	61.9	60.8	59.9	59.1	58.2	57.3	56.0	54.6
45°	66.0	65.2	64.3	63.3	62.2	61.1	60.1	59.2	58.3	57.4	56.0
43.75°	67.2	66.3	65.5	64.6	63.5	62.4	61.2	60.2	59.3	58.3	57.3
42.5°	68.3	67.5	66.6	65.7	64.8	63.7	62.5	61.3	60.2	59.2	58.2
41.25°	69.4	68.6	67.7	66.8	65.8	64.9	63.7	62.5	61.2	60.1	59.1
40°	70.5	69.6	68.7	67.8	66.9	65.9	64.9	63.7	62.4	61.1	59.9
38.75°	72.2	70.7	69.8	68.8	67.8	66.9	65.8	64.8	63.5	62.2	60.8
37.5°	74.4	72.5	70.8	69.8	68.8	67.8	66.8	65.7	64.6	63.3	61.9
36.25°	76.6	74.6	72.6	70.8	69.8	68.7	67.7	66.6	65.5	64.3	62.9
35°	80.8	76.7	74.6	72.5	70.7	69.6	68.6	67.5	66.3	65.2	63.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	86.8	80.8	76.6	74.4	72.2	70.5	69.4	68.3	67.2	66.0	64.8
32.5°	92.7	86.5	80.2	76.3	74.0	71.7	70.3	69.1	67.9	66.8	65.6
31.25°	100.1	92.1	85.7	79.1	75.8	73.5	71.1	69.9	68.7	67.5	66.3
30°	109.9	98.6	91.0	84.3	77.6	75.2	72.7	70.7	69.5	68.2	67.0
28.75°	119.5	107.9	96.2	89.3	82.3	76.8	74.3	71.8	70.2	68.9	67.7
27.5°	128.8	116.9	104.9	94.2	87.0	79.9	75.9	73.3	70.9	69.6	68.3
26.25°	138.3	125.7	113.3	100.9	91.6	84.3	77.3	74.7	72.1	70.3	69.0
25°	147.5	134.4	121.5	108.8	96.0	88.5	81.0	76.1	73.4	70.9	69.6
23.75°	156.5	143.1	129.5	116.4	103.3	92.6	84.9	77.4	74.7	72.0	70.2
22.5°	165.8	151.4	137.5	123.8	110.4	96.9	88.7	80.8	75.9	73.2	70.7
21.25°	176.4	159.4	145.2	131.0	117.2	103.4	92.4	84.3	77.1	74.3	71.4
20°	186.6	168.3	152.6	138.1	123.7	109.7	95.8	87.7	79.5	75.4	72.5
18.75°	196.3	177.6	159.6	144.8	129.9	115.6	101.3	90.8	82.5	76.4	73.5
17.5°	205.5	186.5	167.3	151.2	136.1	121.2	106.7	93.8	85.4	77.4	74.4
16.25°	214.2	194.8	175.3	157.2	141.8	126.5	111.8	97.0	88.1	79.5	75.3
15°	222.4	202.6	182.8	162.9	147.2	131.6	116.5	101.5	90.6	81.9	76.1
13.75°	230.0	209.9	189.8	169.6	152.3	136.4	120.9	105.7	92.9	84.2	76.8
12.5°	237.0	216.7	196.3	175.8	156.9	140.8	124.9	109.6	95.1	86.2	77.5
11.25°	243.4	222.8	202.2	181.5	161.1	144.9	128.6	113.1	97.6	88.1	79.1
10°	249.3	228.4	207.5	186.6	165.6	148.5	132.1	116.3	100.7	89.8	80.7
8.75°	256.0	233.3	212.2	191.1	169.9	151.8	135.2	119.2	103.4	91.3	82.2
7.5°	262.1	237.7	216.4	195.0	173.7	154.6	137.9	121.6	105.8	92.6	83.4
6.25°	267.4	241.3	219.9	198.4	176.9	157.0	140.2	123.7	107.8	93.7	84.5
5°	271.6	244.4	222.8	201.2	179.6	159.0	142.1	125.4	109.4	94.6	85.3
3.75°	275.0	246.7	225.0	203.3	181.6	160.5	143.6	126.8	110.7	95.3	86.0
2.5°	277.4	248.4	226.7	204.9	183.1	161.6	144.7	127.7	111.6	95.8	86.5
1.25°	278.8	249.5	227.6	205.8	184.0	162.3	145.3	128.3	112.2	96.1	86.8
0°	279.3	249.8	228.0	206.1	184.3	162.5	145.5	128.5	112.4	96.2	86.9
-1.25°	278.8	249.5	227.6	205.8	184.0	162.3	145.3	128.3	112.2	96.1	86.8
-2.5°	277.4	248.4	226.7	204.9	183.1	161.6	144.7	127.7	111.6	95.8	86.5
-3.75°	275.0	246.7	225.0	203.3	181.6	160.5	143.6	126.8	110.7	95.3	86.0
-5°	271.6	244.4	222.8	201.2	179.6	159.0	142.1	125.4	109.4	94.6	85.3
-6.25°	267.4	241.3	219.9	198.4	176.9	157.0	140.2	123.7	107.8	93.7	84.5
-7.5°	262.1	237.7	216.4	195.0	173.7	154.6	137.9	121.6	105.8	92.6	83.4
-8.75°	256.0	233.3	212.2	191.1	169.9	151.8	135.2	119.2	103.4	91.3	82.2
-10°	249.3	228.4	207.5	186.6	165.6	148.5	132.1	116.3	100.7	89.8	80.7
-11.25°	243.4	222.8	202.2	181.5	161.1	144.9	128.6	113.1	97.6	88.1	79.1
-12.5°	237.0	216.7	196.3	175.8	156.9	140.8	124.9	109.6	95.1	86.2	77.5
-13.75°	230.0	209.9	189.8	169.6	152.3	136.4	120.9	105.7	92.9	84.2	76.8
-15°	222.4	202.6	182.8	162.9	147.2	131.6	116.5	101.5	90.6	81.9	76.1
-16.25°	214.2	194.8	175.3	157.2	141.8	126.5	111.8	97.0	88.1	79.5	75.3
-17.5°	205.5	186.5	167.3	151.2	136.1	121.2	106.7	93.8	85.4	77.4	74.4
-18.75°	196.3	177.6	159.6	144.8	129.9	115.6	101.3	90.8	82.5	76.4	73.5
-20°	186.6	168.3	152.6	138.1	123.7	109.7	95.8	87.7	79.5	75.4	72.5
-21.25°	176.4	159.4	145.2	131.0	117.2	103.4	92.4	84.3	77.1	74.3	71.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	165.8	151.4	137.5	123.8	110.4	96.9	88.7	80.8	75.9	73.2	70.7
-23.75°	156.5	143.1	129.5	116.4	103.3	92.6	84.9	77.4	74.7	72.0	70.2
-25°	147.5	134.4	121.5	108.8	96.0	88.5	81.0	76.1	73.4	70.9	69.6
-26.25°	138.3	125.7	113.3	100.9	91.6	84.3	77.3	74.7	72.1	70.3	69.0
-27.5°	128.8	116.9	104.9	94.2	87.0	79.9	75.9	73.3	70.9	69.6	68.3
-28.75°	119.5	107.9	96.2	89.3	82.3	76.8	74.3	71.8	70.2	68.9	67.7
-30°	109.9	98.6	91.0	84.3	77.6	75.2	72.7	70.7	69.5	68.2	67.0
-31.25°	100.1	92.1	85.7	79.1	75.8	73.5	71.1	69.9	68.7	67.5	66.3
-32.5°	92.7	86.5	80.2	76.3	74.0	71.7	70.3	69.1	67.9	66.8	65.6
-33.75°	86.8	80.8	76.6	74.4	72.2	70.5	69.4	68.3	67.2	66.0	64.8
-35°	80.8	76.7	74.6	72.5	70.7	69.6	68.6	67.5	66.3	65.2	63.9
-36.25°	76.6	74.6	72.6	70.8	69.8	68.7	67.7	66.6	65.5	64.3	62.9
-37.5°	74.4	72.5	70.8	69.8	68.8	67.8	66.8	65.7	64.6	63.3	61.9
-38.75°	72.2	70.7	69.8	68.8	67.8	66.9	65.8	64.8	63.5	62.2	60.8
-40°	70.5	69.6	68.7	67.8	66.9	65.9	64.9	63.7	62.4	61.1	59.9
-41.25°	69.4	68.6	67.7	66.8	65.8	64.9	63.7	62.5	61.2	60.1	59.1
-42.5°	68.3	67.5	66.6	65.7	64.8	63.7	62.5	61.3	60.2	59.2	58.2
-43.75°	67.2	66.3	65.5	64.6	63.5	62.4	61.2	60.2	59.3	58.3	57.3
-45°	66.0	65.2	64.3	63.3	62.2	61.1	60.1	59.2	58.3	57.4	56.0
-46.25°	64.8	63.9	62.9	61.9	60.8	59.9	59.1	58.2	57.3	56.0	54.6
-47.5°	63.3	62.4	61.4	60.5	59.7	58.9	58.1	57.2	55.9	54.5	53.2
-48.75°	61.8	60.9	60.1	59.4	58.6	57.8	56.8	55.6	54.3	53.1	51.7
-50°	60.4	59.7	59.0	58.2	57.5	56.4	55.2	54.0	52.8	51.5	50.0
-51.25°	59.1	58.5	57.8	57.0	55.9	54.8	53.6	52.5	51.1	49.7	48.4
-52.5°	57.9	57.2	56.2	55.2	54.2	53.1	51.9	50.6	49.3	48.0	46.6
-53.75°	56.3	55.4	54.4	53.4	52.4	51.2	50.0	48.8	47.5	46.1	44.4
-55°	54.4	53.5	52.6	51.5	50.4	49.3	48.1	46.9	45.4	43.8	42.1
-56.25°	52.5	51.5	50.5	49.5	48.4	47.3	46.0	44.5	43.0	41.4	39.9
-57.5°	50.3	49.4	48.4	47.4	46.2	44.9	43.5	42.0	40.6	39.2	38.0
-58.75°	48.1	47.2	46.1	44.9	43.6	42.3	40.9	39.6	38.5	37.4	36.2
-60°	45.6	44.5	43.3	42.1	40.9	39.7	38.6	37.6	36.6	35.5	34.4
-61.25°	42.7	41.7	40.5	39.4	38.5	37.6	36.6	35.7	34.7	33.6	32.4
-62.5°	39.8	39.0	38.1	37.3	36.4	35.5	34.6	33.7	32.6	31.5	30.4
-63.75°	37.5	36.7	35.9	35.1	34.3	33.4	32.4	31.4	30.4	29.4	28.3
-65°	35.2	34.5	33.7	32.9	32.0	31.1	30.1	29.2	28.2	27.4	26.8
-66.25°	32.8	32.0	31.2	30.4	29.6	28.7	27.8	27.2	26.7	26.2	25.7
-67.5°	30.2	29.5	28.7	27.9	27.3	26.9	26.5	26.0	25.6	25.1	24.7
-68.75°	27.6	27.2	26.8	26.5	26.1	25.7	25.3	24.9	24.4	24.0	23.6
-70°	26.2	25.9	25.5	25.2	24.8	24.4	24.1	23.7	23.3	22.9	22.5
-71.25°	24.9	24.6	24.2	23.9	23.6	23.2	22.9	22.5	22.2	21.8	21.4
-72.5°	23.5	23.3	23.0	22.7	22.4	22.0	21.7	21.4	21.1	20.7	20.4
-73.75°	22.2	22.0	21.7	21.4	21.1	20.8	20.5	20.2	19.9	19.6	19.3
-75°	20.9	20.7	20.4	20.2	19.9	19.6	19.4	19.1	18.8	18.5	18.2
-76.25°	19.6	19.4	19.1	18.9	18.7	18.4	18.2	17.9	17.6	17.3	16.9
-77.5°	18.3	18.1	17.9	17.6	17.3	17.1	16.8	16.5	16.2	15.8	15.5



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	16.7	16.5	16.2	16.0	15.8	15.5	15.2	15.0	14.7	14.4	14.1
-80°	15.0	14.8	14.6	14.4	14.2	13.9	13.7	13.4	13.1	12.8	12.5
-81.25°	13.3	13.0	12.8	12.6	12.4	12.1	11.9	11.7	11.4	11.2	10.9
-82.5°	11.3	11.1	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.5	9.2
-83.75°	9.3	9.1	9.0	8.8	8.6	8.5	8.3	8.1	7.9	7.8	7.6
-85°	7.2	7.1	7.0	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.9
-86.25°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-87.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
-88.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
85°	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.4	4.2	4.0
83.75°	7.4	7.2	7.0	6.8	6.5	6.3	6.1	5.9	5.7	5.4	5.2
82.5°	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.4
81.25°	10.6	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.6
80°	12.2	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.6	9.2	8.9
78.75°	13.8	13.5	13.1	12.8	12.4	12.0	11.6	11.2	10.9	10.5	10.0
77.5°	15.2	14.9	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.7	11.2
76.25°	16.6	16.2	15.8	15.4	15.0	14.7	14.3	13.8	13.4	12.9	12.4
75°	17.9	17.5	17.1	16.7	16.3	15.8	15.4	15.0	14.5	14.1	13.6
73.75°	18.9	18.6	18.3	17.9	17.5	17.0	16.5	16.1	15.6	15.1	14.6
72.5°	20.0	19.6	19.3	18.9	18.5	18.1	17.7	17.2	16.6	16.1	15.6
71.25°	21.1	20.7	20.3	19.9	19.4	19.0	18.6	18.2	17.7	17.1	16.6
70°	22.1	21.7	21.3	20.8	20.4	19.9	19.5	19.0	18.6	18.1	17.5
68.75°	23.1	22.7	22.2	21.8	21.3	20.8	20.4	19.9	19.4	18.9	18.4
67.5°	24.2	23.7	23.2	22.7	22.2	21.7	21.2	20.7	20.2	19.7	19.1
66.25°	25.2	24.7	24.2	23.7	23.2	22.6	22.1	21.5	21.0	20.4	19.9
65°	26.3	25.8	25.2	24.6	24.1	23.5	23.0	22.4	21.8	21.2	20.6
63.75°	27.3	26.8	26.2	25.6	25.0	24.4	23.8	23.2	22.6	22.0	21.4
62.5°	29.2	28.1	27.2	26.6	25.9	25.3	24.7	24.0	23.4	22.7	22.1
61.25°	31.2	30.0	28.8	27.6	26.9	26.2	25.5	24.9	24.2	23.5	22.8
60°	33.2	32.0	30.7	29.4	28.1	27.1	26.4	25.7	25.0	24.2	23.5
58.75°	35.1	33.9	32.6	31.2	29.8	28.4	27.3	26.5	25.8	25.0	24.2
57.5°	36.8	35.6	34.4	33.0	31.6	30.1	28.7	27.3	26.5	25.8	25.0
56.25°	38.6	37.3	36.0	34.7	33.3	31.8	30.3	28.7	27.3	26.5	25.7
55°	40.5	39.0	37.6	36.3	34.9	33.5	31.9	30.3	28.7	27.3	26.4
53.75°	42.7	40.9	39.2	37.8	36.4	35.0	33.5	31.8	30.1	28.4	27.1
52.5°	44.8	43.0	41.2	39.4	37.9	36.4	34.9	33.3	31.6	29.8	28.1
51.25°	46.9	45.1	43.2	41.3	39.4	37.8	36.3	34.7	33.0	31.2	29.4
50°	48.6	47.1	45.2	43.2	41.2	39.2	37.6	36.0	34.4	32.6	30.7
48.75°	50.2	48.6	47.1	45.1	43.0	40.9	39.0	37.3	35.6	33.9	32.0
47.5°	51.7	50.2	48.6	46.9	44.8	42.7	40.5	38.6	36.8	35.1	33.2
46.25°	53.2	51.7	50.0	48.4	46.6	44.4	42.1	39.9	38.0	36.2	34.4
45°	54.5	53.1	51.5	49.7	48.0	46.1	43.8	41.4	39.2	37.4	35.5
43.75°	55.9	54.3	52.8	51.1	49.3	47.5	45.4	43.0	40.6	38.5	36.6
42.5°	57.2	55.6	54.0	52.5	50.6	48.8	46.9	44.5	42.0	39.6	37.6
41.25°	58.1	56.8	55.2	53.6	51.9	50.0	48.1	46.0	43.5	40.9	38.6
40°	58.9	57.8	56.4	54.8	53.1	51.2	49.3	47.3	44.9	42.3	39.7
38.75°	59.7	58.6	57.5	55.9	54.2	52.4	50.4	48.4	46.2	43.6	40.9
37.5°	60.5	59.4	58.2	57.0	55.2	53.4	51.5	49.5	47.4	44.9	42.1
36.25°	61.4	60.1	59.0	57.8	56.2	54.4	52.6	50.5	48.4	46.1	43.3
35°	62.4	60.9	59.7	58.5	57.2	55.4	53.5	51.5	49.4	47.2	44.5



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	63.3	61.8	60.4	59.1	57.9	56.3	54.4	52.5	50.3	48.1	45.6
32.5°	64.3	62.7	61.1	59.8	58.5	57.2	55.3	53.4	51.3	49.0	46.7
31.25°	65.1	63.6	62.0	60.4	59.1	57.9	56.2	54.2	52.2	49.9	47.6
30°	65.7	64.4	62.8	61.1	59.7	58.4	57.0	55.0	53.0	50.7	48.4
28.75°	66.4	65.1	63.6	61.9	60.3	59.0	57.6	55.7	53.7	51.5	49.1
27.5°	67.0	65.7	64.3	62.6	60.9	59.5	58.1	56.5	54.4	52.3	49.9
26.25°	67.6	66.3	65.0	63.3	61.6	60.0	58.6	57.2	55.1	52.9	50.6
25°	68.2	66.9	65.5	64.0	62.2	60.5	59.1	57.7	55.7	53.6	51.3
23.75°	68.8	67.4	66.0	64.6	62.8	61.0	59.5	58.1	56.3	54.2	51.9
22.5°	69.3	67.9	66.5	65.1	63.4	61.6	60.0	58.5	56.9	54.7	52.5
21.25°	69.9	68.4	67.0	65.6	64.0	62.1	60.4	58.9	57.5	55.3	53.0
20°	70.3	68.9	67.5	66.0	64.5	62.7	60.8	59.3	57.8	55.8	53.5
18.75°	70.8	69.4	67.9	66.4	65.0	63.1	61.3	59.6	58.1	56.3	54.0
17.5°	71.4	69.8	68.3	66.8	65.3	63.6	61.7	60.0	58.5	56.7	54.4
16.25°	72.2	70.2	68.7	67.2	65.7	64.0	62.1	60.3	58.7	57.1	54.8
15°	73.0	70.5	69.0	67.5	66.0	64.4	62.5	60.5	59.0	57.5	55.2
13.75°	73.7	70.9	69.4	67.8	66.3	64.8	62.8	60.9	59.3	57.7	55.6
12.5°	74.4	71.3	69.7	68.1	66.6	65.0	63.1	61.2	59.5	57.9	55.9
11.25°	75.0	71.9	69.9	68.4	66.8	65.3	63.4	61.4	59.7	58.1	56.2
10°	75.5	72.4	70.2	68.6	67.0	65.5	63.7	61.7	59.9	58.3	56.4
8.75°	76.0	72.8	70.4	68.8	67.2	65.7	63.9	61.9	60.1	58.5	56.6
7.5°	76.4	73.2	70.6	69.0	67.4	65.8	64.1	62.1	60.2	58.6	56.8
6.25°	76.8	73.6	70.7	69.2	67.6	66.0	64.3	62.3	60.3	58.7	57.0
5°	77.1	73.9	70.9	69.3	67.7	66.1	64.4	62.4	60.4	58.8	57.2
3.75°	77.3	74.1	71.0	69.4	67.8	66.2	64.6	62.5	60.5	58.9	57.3
2.5°	77.5	74.2	71.0	69.4	67.8	66.2	64.6	62.6	60.6	59.0	57.3
1.25°	77.6	74.3	71.1	69.5	67.9	66.3	64.7	62.6	60.6	59.0	57.4
0°	77.6	74.4	71.1	69.5	67.9	66.3	64.7	62.7	60.6	59.0	57.4
-1.25°	77.6	74.3	71.1	69.5	67.9	66.3	64.7	62.6	60.6	59.0	57.4
-2.5°	77.5	74.2	71.0	69.4	67.8	66.2	64.6	62.6	60.6	59.0	57.3
-3.75°	77.3	74.1	71.0	69.4	67.8	66.2	64.6	62.5	60.5	58.9	57.3
-5°	77.1	73.9	70.9	69.3	67.7	66.1	64.4	62.4	60.4	58.8	57.2
-6.25°	76.8	73.6	70.7	69.2	67.6	66.0	64.3	62.3	60.3	58.7	57.0
-7.5°	76.4	73.2	70.6	69.0	67.4	65.8	64.1	62.1	60.2	58.6	56.8
-8.75°	76.0	72.8	70.4	68.8	67.2	65.7	63.9	61.9	60.1	58.5	56.6
-10°	75.5	72.4	70.2	68.6	67.0	65.5	63.7	61.7	59.9	58.3	56.4
-11.25°	75.0	71.9	69.9	68.4	66.8	65.3	63.4	61.4	59.7	58.1	56.2
-12.5°	74.4	71.3	69.7	68.1	66.6	65.0	63.1	61.2	59.5	57.9	55.9
-13.75°	73.7	70.9	69.4	67.8	66.3	64.8	62.8	60.9	59.3	57.7	55.6
-15°	73.0	70.5	69.0	67.5	66.0	64.4	62.5	60.5	59.0	57.5	55.2
-16.25°	72.2	70.2	68.7	67.2	65.7	64.0	62.1	60.3	58.7	57.1	54.8
-17.5°	71.4	69.8	68.3	66.8	65.3	63.6	61.7	60.0	58.5	56.7	54.4
-18.75°	70.8	69.4	67.9	66.4	65.0	63.1	61.3	59.6	58.1	56.3	54.0
-20°	70.3	68.9	67.5	66.0	64.5	62.7	60.8	59.3	57.8	55.8	53.5
-21.25°	69.9	68.4	67.0	65.6	64.0	62.1	60.4	58.9	57.5	55.3	53.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	69.3	67.9	66.5	65.1	63.4	61.6	60.0	58.5	56.9	54.7	52.5
-23.75°	68.8	67.4	66.0	64.6	62.8	61.0	59.5	58.1	56.3	54.2	51.9
-25°	68.2	66.9	65.5	64.0	62.2	60.5	59.1	57.7	55.7	53.6	51.3
-26.25°	67.6	66.3	65.0	63.3	61.6	60.0	58.6	57.2	55.1	52.9	50.6
-27.5°	67.0	65.7	64.3	62.6	60.9	59.5	58.1	56.5	54.4	52.3	49.9
-28.75°	66.4	65.1	63.6	61.9	60.3	59.0	57.6	55.7	53.7	51.5	49.1
-30°	65.7	64.4	62.8	61.1	59.7	58.4	57.0	55.0	53.0	50.7	48.4
-31.25°	65.1	63.6	62.0	60.4	59.1	57.9	56.2	54.2	52.2	49.9	47.6
-32.5°	64.3	62.7	61.1	59.8	58.5	57.2	55.3	53.4	51.3	49.0	46.7
-33.75°	63.3	61.8	60.4	59.1	57.9	56.3	54.4	52.5	50.3	48.1	45.6
-35°	62.4	60.9	59.7	58.5	57.2	55.4	53.5	51.5	49.4	47.2	44.5
-36.25°	61.4	60.1	59.0	57.8	56.2	54.4	52.6	50.5	48.4	46.1	43.3
-37.5°	60.5	59.4	58.2	57.0	55.2	53.4	51.5	49.5	47.4	44.9	42.1
-38.75°	59.7	58.6	57.5	55.9	54.2	52.4	50.4	48.4	46.2	43.6	40.9
-40°	58.9	57.8	56.4	54.8	53.1	51.2	49.3	47.3	44.9	42.3	39.7
-41.25°	58.1	56.8	55.2	53.6	51.9	50.0	48.1	46.0	43.5	40.9	38.6
-42.5°	57.2	55.6	54.0	52.5	50.6	48.8	46.9	44.5	42.0	39.6	37.6
-43.75°	55.9	54.3	52.8	51.1	49.3	47.5	45.4	43.0	40.6	38.5	36.6
-45°	54.5	53.1	51.5	49.7	48.0	46.1	43.8	41.4	39.2	37.4	35.5
-46.25°	53.2	51.7	50.0	48.4	46.6	44.4	42.1	39.9	38.0	36.2	34.4
-47.5°	51.7	50.2	48.6	46.9	44.8	42.7	40.5	38.6	36.8	35.1	33.2
-48.75°	50.2	48.6	47.1	45.1	43.0	40.9	39.0	37.3	35.6	33.9	32.0
-50°	48.6	47.1	45.2	43.2	41.2	39.2	37.6	36.0	34.4	32.6	30.7
-51.25°	46.9	45.1	43.2	41.3	39.4	37.8	36.3	34.7	33.0	31.2	29.4
-52.5°	44.8	43.0	41.2	39.4	37.9	36.4	34.9	33.3	31.6	29.8	28.1
-53.75°	42.7	40.9	39.2	37.8	36.4	35.0	33.5	31.8	30.1	28.4	27.1
-55°	40.5	39.0	37.6	36.3	34.9	33.5	31.9	30.3	28.7	27.3	26.4
-56.25°	38.6	37.3	36.0	34.7	33.3	31.8	30.3	28.7	27.3	26.5	25.7
-57.5°	36.8	35.6	34.4	33.0	31.6	30.1	28.7	27.3	26.5	25.8	25.0
-58.75°	35.1	33.9	32.6	31.2	29.8	28.4	27.3	26.5	25.8	25.0	24.2
-60°	33.2	32.0	30.7	29.4	28.1	27.1	26.4	25.7	25.0	24.2	23.5
-61.25°	31.2	30.0	28.8	27.6	26.9	26.2	25.5	24.9	24.2	23.5	22.8
-62.5°	29.2	28.1	27.2	26.6	25.9	25.3	24.7	24.0	23.4	22.7	22.1
-63.75°	27.3	26.8	26.2	25.6	25.0	24.4	23.8	23.2	22.6	22.0	21.4
-65°	26.3	25.8	25.2	24.6	24.1	23.5	23.0	22.4	21.8	21.2	20.6
-66.25°	25.2	24.7	24.2	23.7	23.2	22.6	22.1	21.5	21.0	20.4	19.9
-67.5°	24.2	23.7	23.2	22.7	22.2	21.7	21.2	20.7	20.2	19.7	19.1
-68.75°	23.1	22.7	22.2	21.8	21.3	20.8	20.4	19.9	19.4	18.9	18.4
-70°	22.1	21.7	21.3	20.8	20.4	19.9	19.5	19.0	18.6	18.1	17.5
-71.25°	21.1	20.7	20.3	19.9	19.4	19.0	18.6	18.2	17.7	17.1	16.6
-72.5°	20.0	19.6	19.3	18.9	18.5	18.1	17.7	17.2	16.6	16.1	15.6
-73.75°	18.9	18.6	18.3	17.9	17.5	17.0	16.5	16.1	15.6	15.1	14.6
-75°	17.9	17.5	17.1	16.7	16.3	15.8	15.4	15.0	14.5	14.1	13.6
-76.25°	16.6	16.2	15.8	15.4	15.0	14.7	14.3	13.8	13.4	12.9	12.4
-77.5°	15.2	14.9	14.5	14.2	13.8	13.4	13.0	12.6	12.1	11.7	11.2



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	13.8	13.5	13.1	12.8	12.4	12.0	11.6	11.2	10.9	10.5	10.0
-80°	12.2	11.9	11.6	11.3	11.0	10.6	10.3	9.9	9.6	9.2	8.9
-81.25°	10.6	10.4	10.1	9.8	9.5	9.2	8.9	8.6	8.3	8.0	7.6
-82.5°	9.0	8.8	8.5	8.3	8.0	7.8	7.5	7.3	7.0	6.7	6.4
-83.75°	7.4	7.2	7.0	6.8	6.5	6.3	6.1	5.9	5.7	5.4	5.2
-85°	5.7	5.6	5.4	5.2	5.1	4.9	4.7	4.5	4.4	4.2	4.0
-86.25°	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2	3.1	3.0
-87.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0
-88.75°	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
83.75°	5.0	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
82.5°	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3
81.25°	7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.9
80°	8.5	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
78.75°	9.6	9.2	8.8	8.4	7.9	7.5	7.0	6.6	6.1	5.7	5.2
77.5°	10.8	10.3	9.8	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9
76.25°	11.9	11.4	10.9	10.4	9.8	9.3	8.8	8.2	7.7	7.1	6.6
75°	13.0	12.5	11.9	11.4	10.8	10.2	9.6	9.1	8.5	7.8	7.2
73.75°	14.1	13.6	13.0	12.3	11.7	11.1	10.5	9.8	9.2	8.6	7.9
72.5°	15.0	14.5	13.9	13.3	12.7	12.0	11.3	10.6	9.9	9.3	8.6
71.25°	16.0	15.4	14.8	14.2	13.6	12.9	12.1	11.4	10.7	9.9	9.2
70°	16.9	16.3	15.7	15.0	14.4	13.7	13.0	12.2	11.4	10.6	9.8
68.75°	17.9	17.2	16.5	15.8	15.2	14.5	13.8	13.0	12.1	11.3	10.5
67.5°	18.6	18.0	17.4	16.7	15.9	15.2	14.5	13.7	12.9	12.0	11.1
66.25°	19.3	18.7	18.1	17.5	16.7	15.9	15.2	14.4	13.6	12.7	11.7
65°	20.0	19.4	18.8	18.2	17.5	16.7	15.8	15.0	14.2	13.3	12.3
63.75°	20.7	20.1	19.4	18.8	18.1	17.4	16.5	15.7	14.8	13.9	13.0
62.5°	21.4	20.8	20.1	19.4	18.7	18.0	17.2	16.3	15.4	14.5	13.6
61.25°	22.1	21.4	20.7	20.0	19.3	18.6	17.9	16.9	16.0	15.0	14.1
60°	22.8	22.1	21.4	20.6	19.9	19.1	18.4	17.5	16.6	15.6	14.6
58.75°	23.5	22.7	22.0	21.2	20.4	19.7	18.9	18.1	17.1	16.1	15.1
57.5°	24.2	23.4	22.6	21.8	21.0	20.2	19.4	18.6	17.7	16.6	15.6
56.25°	24.9	24.0	23.2	22.4	21.5	20.7	19.9	19.0	18.2	17.2	16.1
55°	25.5	24.7	23.8	23.0	22.1	21.2	20.4	19.5	18.6	17.7	16.5
53.75°	26.2	25.3	24.4	23.5	22.6	21.7	20.8	19.9	19.0	18.1	17.0
52.5°	26.9	25.9	25.0	24.1	23.2	22.2	21.3	20.4	19.4	18.5	17.5
51.25°	27.6	26.6	25.6	24.6	23.7	22.7	21.8	20.8	19.9	18.9	17.9
50°	28.8	27.2	26.2	25.2	24.2	23.2	22.2	21.3	20.3	19.3	18.3
48.75°	30.0	28.1	26.8	25.8	24.7	23.7	22.7	21.7	20.7	19.6	18.6
47.5°	31.2	29.2	27.3	26.3	25.2	24.2	23.1	22.1	21.1	20.0	18.9
46.25°	32.4	30.4	28.3	26.8	25.7	24.7	23.6	22.5	21.4	20.4	19.3
45°	33.6	31.5	29.4	27.4	26.2	25.1	24.0	22.9	21.8	20.7	19.6
43.75°	34.7	32.6	30.4	28.2	26.7	25.6	24.4	23.3	22.2	21.1	19.9
42.5°	35.7	33.7	31.4	29.2	27.2	26.0	24.9	23.7	22.5	21.4	20.2
41.25°	36.6	34.6	32.4	30.1	27.8	26.5	25.3	24.1	22.9	21.7	20.5
40°	37.6	35.5	33.4	31.1	28.7	26.9	25.7	24.4	23.2	22.0	20.8
38.75°	38.5	36.4	34.3	32.0	29.6	27.3	26.1	24.8	23.6	22.4	21.1
37.5°	39.4	37.3	35.1	32.9	30.4	27.9	26.5	25.2	23.9	22.7	21.4
36.25°	40.5	38.1	35.9	33.7	31.2	28.7	26.8	25.5	24.2	23.0	21.7
35°	41.7	39.0	36.7	34.5	32.0	29.5	27.2	25.9	24.6	23.3	22.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	42.7	39.8	37.5	35.2	32.8	30.2	27.6	26.2	24.9	23.5	22.2
32.5°	43.8	40.8	38.2	35.9	33.5	30.9	28.3	26.5	25.2	23.8	22.5
31.25°	44.8	41.8	39.0	36.6	34.2	31.6	28.9	26.8	25.5	24.1	22.7
30°	45.8	42.7	39.7	37.2	34.8	32.2	29.5	27.1	25.7	24.3	23.0
28.75°	46.7	43.6	40.5	37.9	35.4	32.9	30.1	27.4	26.0	24.6	23.2
27.5°	47.5	44.5	41.3	38.5	36.0	33.5	30.7	27.9	26.3	24.8	23.4
26.25°	48.1	45.3	42.1	39.1	36.6	34.1	31.3	28.4	26.5	25.1	23.6
25°	48.8	46.1	42.9	39.7	37.1	34.6	31.8	28.9	26.8	25.3	23.8
23.75°	49.4	46.9	43.6	40.4	37.6	35.0	32.3	29.4	27.0	25.5	24.0
22.5°	50.0	47.5	44.3	41.0	38.1	35.5	32.8	29.9	27.2	25.7	24.2
21.25°	50.6	48.0	45.0	41.6	38.6	35.9	33.2	30.3	27.4	25.9	24.4
20°	51.1	48.5	45.6	42.2	39.0	36.4	33.7	30.7	27.7	26.1	24.5
18.75°	51.6	49.0	46.2	42.8	39.4	36.7	34.1	31.1	28.1	26.2	24.7
17.5°	52.1	49.4	46.8	43.3	39.9	37.1	34.4	31.4	28.4	26.4	24.8
16.25°	52.5	49.8	47.2	43.8	40.3	37.4	34.7	31.8	28.7	26.5	25.0
15°	52.9	50.2	47.6	44.3	40.7	37.8	35.0	32.1	29.0	26.7	25.1
13.75°	53.2	50.6	47.9	44.7	41.1	38.1	35.3	32.4	29.3	26.8	25.2
12.5°	53.5	50.9	48.2	45.1	41.5	38.3	35.5	32.6	29.5	26.9	25.3
11.25°	53.8	51.2	48.5	45.4	41.8	38.6	35.8	32.9	29.7	27.0	25.4
10°	54.0	51.5	48.7	45.7	42.1	38.8	36.0	33.1	29.9	27.1	25.5
8.75°	54.2	51.7	49.0	46.0	42.4	39.0	36.2	33.3	30.1	27.2	25.6
7.5°	54.4	51.9	49.2	46.2	42.6	39.1	36.3	33.4	30.3	27.3	25.7
6.25°	54.6	52.1	49.3	46.4	42.8	39.3	36.4	33.6	30.4	27.4	25.7
5°	54.7	52.2	49.5	46.6	43.0	39.4	36.6	33.7	30.5	27.4	25.8
3.75°	54.8	52.4	49.6	46.7	43.1	39.5	36.6	33.8	30.6	27.4	25.8
2.5°	54.9	52.4	49.6	46.8	43.2	39.5	36.7	33.8	30.7	27.5	25.8
1.25°	54.9	52.5	49.7	46.9	43.2	39.6	36.7	33.9	30.7	27.5	25.8
0°	55.0	52.5	49.7	46.9	43.3	39.6	36.8	33.9	30.7	27.5	25.9
-1.25°	54.9	52.5	49.7	46.9	43.2	39.6	36.7	33.9	30.7	27.5	25.8
-2.5°	54.9	52.4	49.6	46.8	43.2	39.5	36.7	33.8	30.7	27.5	25.8
-3.75°	54.8	52.4	49.6	46.7	43.1	39.5	36.6	33.8	30.6	27.4	25.8
-5°	54.7	52.2	49.5	46.6	43.0	39.4	36.6	33.7	30.5	27.4	25.8
-6.25°	54.6	52.1	49.3	46.4	42.8	39.3	36.4	33.6	30.4	27.4	25.7
-7.5°	54.4	51.9	49.2	46.2	42.6	39.1	36.3	33.4	30.3	27.3	25.7
-8.75°	54.2	51.7	49.0	46.0	42.4	39.0	36.2	33.3	30.1	27.2	25.6
-10°	54.0	51.5	48.7	45.7	42.1	38.8	36.0	33.1	29.9	27.1	25.5
-11.25°	53.8	51.2	48.5	45.4	41.8	38.6	35.8	32.9	29.7	27.0	25.4
-12.5°	53.5	50.9	48.2	45.1	41.5	38.3	35.5	32.6	29.5	26.9	25.3
-13.75°	53.2	50.6	47.9	44.7	41.1	38.1	35.3	32.4	29.3	26.8	25.2
-15°	52.9	50.2	47.6	44.3	40.7	37.8	35.0	32.1	29.0	26.7	25.1
-16.25°	52.5	49.8	47.2	43.8	40.3	37.4	34.7	31.8	28.7	26.5	25.0
-17.5°	52.1	49.4	46.8	43.3	39.9	37.1	34.4	31.4	28.4	26.4	24.8
-18.75°	51.6	49.0	46.2	42.8	39.4	36.7	34.1	31.1	28.1	26.2	24.7
-20°	51.1	48.5	45.6	42.2	39.0	36.4	33.7	30.7	27.7	26.1	24.5
-21.25°	50.6	48.0	45.0	41.6	38.6	35.9	33.2	30.3	27.4	25.9	24.4



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	50.0	47.5	44.3	41.0	38.1	35.5	32.8	29.9	27.2	25.7	24.2
-23.75°	49.4	46.9	43.6	40.4	37.6	35.0	32.3	29.4	27.0	25.5	24.0
-25°	48.8	46.1	42.9	39.7	37.1	34.6	31.8	28.9	26.8	25.3	23.8
-26.25°	48.1	45.3	42.1	39.1	36.6	34.1	31.3	28.4	26.5	25.1	23.6
-27.5°	47.5	44.5	41.3	38.5	36.0	33.5	30.7	27.9	26.3	24.8	23.4
-28.75°	46.7	43.6	40.5	37.9	35.4	32.9	30.1	27.4	26.0	24.6	23.2
-30°	45.8	42.7	39.7	37.2	34.8	32.2	29.5	27.1	25.7	24.3	23.0
-31.25°	44.8	41.8	39.0	36.6	34.2	31.6	28.9	26.8	25.5	24.1	22.7
-32.5°	43.8	40.8	38.2	35.9	33.5	30.9	28.3	26.5	25.2	23.8	22.5
-33.75°	42.7	39.8	37.5	35.2	32.8	30.2	27.6	26.2	24.9	23.5	22.2
-35°	41.7	39.0	36.7	34.5	32.0	29.5	27.2	25.9	24.6	23.3	22.0
-36.25°	40.5	38.1	35.9	33.7	31.2	28.7	26.8	25.5	24.2	23.0	21.7
-37.5°	39.4	37.3	35.1	32.9	30.4	27.9	26.5	25.2	23.9	22.7	21.4
-38.75°	38.5	36.4	34.3	32.0	29.6	27.3	26.1	24.8	23.6	22.4	21.1
-40°	37.6	35.5	33.4	31.1	28.7	26.9	25.7	24.4	23.2	22.0	20.8
-41.25°	36.6	34.6	32.4	30.1	27.8	26.5	25.3	24.1	22.9	21.7	20.5
-42.5°	35.7	33.7	31.4	29.2	27.2	26.0	24.9	23.7	22.5	21.4	20.2
-43.75°	34.7	32.6	30.4	28.2	26.7	25.6	24.4	23.3	22.2	21.1	19.9
-45°	33.6	31.5	29.4	27.4	26.2	25.1	24.0	22.9	21.8	20.7	19.6
-46.25°	32.4	30.4	28.3	26.8	25.7	24.7	23.6	22.5	21.4	20.4	19.3
-47.5°	31.2	29.2	27.3	26.3	25.2	24.2	23.1	22.1	21.1	20.0	18.9
-48.75°	30.0	28.1	26.8	25.8	24.7	23.7	22.7	21.7	20.7	19.6	18.6
-50°	28.8	27.2	26.2	25.2	24.2	23.2	22.2	21.3	20.3	19.3	18.3
-51.25°	27.6	26.6	25.6	24.6	23.7	22.7	21.8	20.8	19.9	18.9	17.9
-52.5°	26.9	25.9	25.0	24.1	23.2	22.2	21.3	20.4	19.4	18.5	17.5
-53.75°	26.2	25.3	24.4	23.5	22.6	21.7	20.8	19.9	19.0	18.1	17.0
-55°	25.5	24.7	23.8	23.0	22.1	21.2	20.4	19.5	18.6	17.7	16.5
-56.25°	24.9	24.0	23.2	22.4	21.5	20.7	19.9	19.0	18.2	17.2	16.1
-57.5°	24.2	23.4	22.6	21.8	21.0	20.2	19.4	18.6	17.7	16.6	15.6
-58.75°	23.5	22.7	22.0	21.2	20.4	19.7	18.9	18.1	17.1	16.1	15.1
-60°	22.8	22.1	21.4	20.6	19.9	19.1	18.4	17.5	16.6	15.6	14.6
-61.25°	22.1	21.4	20.7	20.0	19.3	18.6	17.9	16.9	16.0	15.0	14.1
-62.5°	21.4	20.8	20.1	19.4	18.7	18.0	17.2	16.3	15.4	14.5	13.6
-63.75°	20.7	20.1	19.4	18.8	18.1	17.4	16.5	15.7	14.8	13.9	13.0
-65°	20.0	19.4	18.8	18.2	17.5	16.7	15.8	15.0	14.2	13.3	12.3
-66.25°	19.3	18.7	18.1	17.5	16.7	15.9	15.2	14.4	13.6	12.7	11.7
-67.5°	18.6	18.0	17.4	16.7	15.9	15.2	14.5	13.7	12.9	12.0	11.1
-68.75°	17.9	17.2	16.5	15.8	15.2	14.5	13.8	13.0	12.1	11.3	10.5
-70°	16.9	16.3	15.7	15.0	14.4	13.7	13.0	12.2	11.4	10.6	9.8
-71.25°	16.0	15.4	14.8	14.2	13.6	12.9	12.1	11.4	10.7	9.9	9.2
-72.5°	15.0	14.5	13.9	13.3	12.7	12.0	11.3	10.6	9.9	9.3	8.6
-73.75°	14.1	13.6	13.0	12.3	11.7	11.1	10.5	9.8	9.2	8.6	7.9
-75°	13.0	12.5	11.9	11.4	10.8	10.2	9.6	9.1	8.5	7.8	7.2
-76.25°	11.9	11.4	10.9	10.4	9.8	9.3	8.8	8.2	7.7	7.1	6.6
-77.5°	10.8	10.3	9.8	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	9.6	9.2	8.8	8.4	7.9	7.5	7.0	6.6	6.1	5.7	5.2
-80°	8.5	8.1	7.7	7.3	7.0	6.6	6.2	5.8	5.4	5.0	4.6
-81.25°	7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.9
-82.5°	6.2	5.9	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3
-83.75°	5.0	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-85°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-86.25°	2.9	2.8	2.7	2.5	2.4	2.3	2.2	2.1	1.9	1.8	1.7
-87.5°	1.9	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1
-88.75°	1.0	0.9	0.9	0.8	0.8	0.8	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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
78.75°	4.8	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
77.5°	5.4	4.9	4.4	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9
76.25°	6.0	5.4	4.9	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
75°	6.6	6.0	5.4	4.8	4.1	3.6	3.1	2.6	2.1	1.6	1.0
73.75°	7.2	6.6	5.9	5.2	4.6	3.9	3.3	2.8	2.2	1.7	1.1
72.5°	7.8	7.1	6.4	5.7	5.0	4.2	3.6	3.0	2.4	1.8	1.2
71.25°	8.5	7.7	6.9	6.1	5.4	4.6	3.8	3.2	2.6	1.9	1.3
70°	9.1	8.2	7.4	6.6	5.8	4.9	4.1	3.4	2.7	2.1	1.4
68.75°	9.6	8.8	7.9	7.0	6.2	5.3	4.4	3.6	2.9	2.2	1.4
67.5°	10.2	9.3	8.4	7.5	6.6	5.6	4.7	3.8	3.1	2.3	1.5
66.25°	10.8	9.8	8.9	7.9	7.0	6.0	5.0	4.0	3.2	2.4	1.6
65°	11.4	10.4	9.4	8.4	7.3	6.3	5.3	4.3	3.4	2.5	1.7
63.75°	11.9	10.9	9.8	8.8	7.7	6.7	5.6	4.5	3.5	2.7	1.8
62.5°	12.5	11.4	10.3	9.2	8.1	7.0	5.9	4.7	3.7	2.8	1.8
61.25°	13.0	11.9	10.8	9.6	8.5	7.3	6.2	5.0	3.8	2.9	1.9
60°	13.6	12.4	11.2	10.0	8.9	7.6	6.4	5.2	4.0	3.0	2.0
58.75°	14.1	12.9	11.7	10.5	9.2	8.0	6.7	5.4	4.2	3.1	2.1
57.5°	14.5	13.4	12.1	10.9	9.6	8.3	7.0	5.7	4.4	3.2	2.1
56.25°	15.0	13.8	12.6	11.2	9.9	8.6	7.3	5.9	4.5	3.3	2.2
55°	15.4	14.3	13.0	11.6	10.3	8.9	7.5	6.1	4.7	3.4	2.3
53.75°	15.8	14.7	13.4	12.0	10.6	9.2	7.8	6.3	4.9	3.5	2.4
52.5°	16.3	15.0	13.8	12.4	11.0	9.5	8.0	6.5	5.1	3.7	2.4
51.25°	16.7	15.4	14.2	12.8	11.3	9.8	8.3	6.8	5.2	3.8	2.5
50°	17.1	15.8	14.5	13.1	11.6	10.1	8.5	7.0	5.4	3.9	2.6
48.75°	17.5	16.2	14.9	13.5	11.9	10.4	8.8	7.2	5.6	4.0	2.6
47.5°	17.9	16.6	15.2	13.8	12.2	10.6	9.0	7.4	5.7	4.1	2.7
46.25°	18.2	16.9	15.5	14.1	12.5	10.9	9.2	7.6	5.9	4.2	2.8
45°	18.5	17.3	15.8	14.4	12.8	11.2	9.5	7.8	6.0	4.3	2.8
43.75°	18.8	17.6	16.2	14.7	13.1	11.4	9.7	7.9	6.2	4.4	2.9
42.5°	19.1	17.9	16.5	15.0	13.4	11.7	9.9	8.1	6.3	4.5	2.9
41.25°	19.4	18.2	16.8	15.2	13.7	11.9	10.1	8.3	6.5	4.6	3.0
40°	19.6	18.4	17.1	15.5	13.9	12.1	10.3	8.5	6.6	4.7	3.1
38.75°	19.9	18.7	17.3	15.8	14.2	12.4	10.5	8.6	6.7	4.8	3.1
37.5°	20.2	18.9	17.6	16.0	14.4	12.6	10.7	8.8	6.9	4.9	3.2
36.25°	20.4	19.1	17.9	16.2	14.6	12.8	10.9	9.0	7.0	5.0	3.2
35°	20.7	19.4	18.1	16.5	14.8	13.0	11.1	9.1	7.1	5.1	3.3



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	20.9	19.6	18.3	16.7	15.0	13.3	11.3	9.3	7.2	5.2	3.3
32.5°	21.1	19.8	18.5	16.9	15.2	13.5	11.4	9.4	7.4	5.3	3.4
31.25°	21.4	20.0	18.6	17.1	15.4	13.6	11.6	9.6	7.5	5.4	3.4
30°	21.6	20.2	18.8	17.4	15.6	13.8	11.8	9.7	7.6	5.5	3.5
28.75°	21.8	20.4	19.0	17.6	15.8	14.0	11.9	9.8	7.7	5.5	3.5
27.5°	22.0	20.6	19.2	17.7	15.9	14.1	12.1	9.9	7.8	5.6	3.5
26.25°	22.2	20.8	19.3	17.9	16.1	14.3	12.2	10.1	7.9	5.7	3.6
25°	22.4	20.9	19.5	18.0	16.2	14.4	12.3	10.2	8.0	5.8	3.6
23.75°	22.5	21.1	19.6	18.2	16.4	14.5	12.5	10.3	8.1	5.8	3.7
22.5°	22.7	21.2	19.8	18.3	16.5	14.7	12.6	10.4	8.2	5.9	3.7
21.25°	22.9	21.4	19.9	18.4	16.7	14.8	12.7	10.5	8.2	5.9	3.7
20°	23.0	21.5	20.0	18.5	16.8	14.9	12.8	10.6	8.3	6.0	3.8
18.75°	23.2	21.6	20.1	18.6	16.9	15.0	12.9	10.7	8.4	6.1	3.8
17.5°	23.3	21.8	20.2	18.7	17.0	15.1	13.0	10.7	8.4	6.1	3.8
16.25°	23.4	21.9	20.4	18.8	17.1	15.2	13.1	10.8	8.5	6.2	3.8
15°	23.5	22.0	20.4	18.9	17.2	15.3	13.2	10.9	8.6	6.2	3.9
13.75°	23.6	22.1	20.5	19.0	17.3	15.3	13.3	11.0	8.6	6.2	3.9
12.5°	23.7	22.2	20.6	19.1	17.4	15.4	13.4	11.0	8.7	6.3	3.9
11.25°	23.8	22.3	20.7	19.1	17.5	15.5	13.4	11.1	8.7	6.3	3.9
10°	23.9	22.3	20.8	19.2	17.5	15.5	13.5	11.1	8.8	6.3	3.9
8.75°	24.0	22.4	20.8	19.2	17.6	15.6	13.5	11.2	8.8	6.4	4.0
7.5°	24.0	22.4	20.9	19.3	17.7	15.6	13.6	11.2	8.8	6.4	4.0
6.25°	24.1	22.5	20.9	19.3	17.7	15.7	13.6	11.2	8.8	6.4	4.0
5°	24.1	22.5	20.9	19.3	17.7	15.7	13.6	11.3	8.9	6.4	4.0
3.75°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
2.5°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
1.25°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
0°	24.2	22.6	21.0	19.4	17.8	15.8	13.7	11.3	8.9	6.5	4.0
-1.25°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
-2.5°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
-3.75°	24.2	22.6	21.0	19.4	17.8	15.7	13.7	11.3	8.9	6.4	4.0
-5°	24.1	22.5	20.9	19.3	17.7	15.7	13.6	11.3	8.9	6.4	4.0
-6.25°	24.1	22.5	20.9	19.3	17.7	15.7	13.6	11.2	8.8	6.4	4.0
-7.5°	24.0	22.4	20.9	19.3	17.7	15.6	13.6	11.2	8.8	6.4	4.0
-8.75°	24.0	22.4	20.8	19.2	17.6	15.6	13.5	11.2	8.8	6.4	4.0
-10°	23.9	22.3	20.8	19.2	17.5	15.5	13.5	11.1	8.8	6.3	3.9
-11.25°	23.8	22.3	20.7	19.1	17.5	15.5	13.4	11.1	8.7	6.3	3.9
-12.5°	23.7	22.2	20.6	19.1	17.4	15.4	13.4	11.0	8.7	6.3	3.9
-13.75°	23.6	22.1	20.5	19.0	17.3	15.3	13.3	11.0	8.6	6.2	3.9
-15°	23.5	22.0	20.4	18.9	17.2	15.3	13.2	10.9	8.6	6.2	3.9
-16.25°	23.4	21.9	20.4	18.8	17.1	15.2	13.1	10.8	8.5	6.2	3.8
-17.5°	23.3	21.8	20.2	18.7	17.0	15.1	13.0	10.7	8.4	6.1	3.8
-18.75°	23.2	21.6	20.1	18.6	16.9	15.0	12.9	10.7	8.4	6.1	3.8
-20°	23.0	21.5	20.0	18.5	16.8	14.9	12.8	10.6	8.3	6.0	3.8
-21.25°	22.9	21.4	19.9	18.4	16.7	14.8	12.7	10.5	8.2	5.9	3.7



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	22.7	21.2	19.8	18.3	16.5	14.7	12.6	10.4	8.2	5.9	3.7
-23.75°	22.5	21.1	19.6	18.2	16.4	14.5	12.5	10.3	8.1	5.8	3.7
-25°	22.4	20.9	19.5	18.0	16.2	14.4	12.3	10.2	8.0	5.8	3.6
-26.25°	22.2	20.8	19.3	17.9	16.1	14.3	12.2	10.1	7.9	5.7	3.6
-27.5°	22.0	20.6	19.2	17.7	15.9	14.1	12.1	9.9	7.8	5.6	3.5
-28.75°	21.8	20.4	19.0	17.6	15.8	14.0	11.9	9.8	7.7	5.5	3.5
-30°	21.6	20.2	18.8	17.4	15.6	13.8	11.8	9.7	7.6	5.5	3.5
-31.25°	21.4	20.0	18.6	17.1	15.4	13.6	11.6	9.6	7.5	5.4	3.4
-32.5°	21.1	19.8	18.5	16.9	15.2	13.5	11.4	9.4	7.4	5.3	3.4
-33.75°	20.9	19.6	18.3	16.7	15.0	13.3	11.3	9.3	7.2	5.2	3.3
-35°	20.7	19.4	18.1	16.5	14.8	13.0	11.1	9.1	7.1	5.1	3.3
-36.25°	20.4	19.1	17.9	16.2	14.6	12.8	10.9	9.0	7.0	5.0	3.2
-37.5°	20.2	18.9	17.6	16.0	14.4	12.6	10.7	8.8	6.9	4.9	3.2
-38.75°	19.9	18.7	17.3	15.8	14.2	12.4	10.5	8.6	6.7	4.8	3.1
-40°	19.6	18.4	17.1	15.5	13.9	12.1	10.3	8.5	6.6	4.7	3.1
-41.25°	19.4	18.2	16.8	15.2	13.7	11.9	10.1	8.3	6.5	4.6	3.0
-42.5°	19.1	17.9	16.5	15.0	13.4	11.7	9.9	8.1	6.3	4.5	2.9
-43.75°	18.8	17.6	16.2	14.7	13.1	11.4	9.7	7.9	6.2	4.4	2.9
-45°	18.5	17.3	15.8	14.4	12.8	11.2	9.5	7.8	6.0	4.3	2.8
-46.25°	18.2	16.9	15.5	14.1	12.5	10.9	9.2	7.6	5.9	4.2	2.8
-47.5°	17.9	16.6	15.2	13.8	12.2	10.6	9.0	7.4	5.7	4.1	2.7
-48.75°	17.5	16.2	14.9	13.5	11.9	10.4	8.8	7.2	5.6	4.0	2.6
-50°	17.1	15.8	14.5	13.1	11.6	10.1	8.5	7.0	5.4	3.9	2.6
-51.25°	16.7	15.4	14.2	12.8	11.3	9.8	8.3	6.8	5.2	3.8	2.5
-52.5°	16.3	15.0	13.8	12.4	11.0	9.5	8.0	6.5	5.1	3.7	2.4
-53.75°	15.8	14.7	13.4	12.0	10.6	9.2	7.8	6.3	4.9	3.5	2.4
-55°	15.4	14.3	13.0	11.6	10.3	8.9	7.5	6.1	4.7	3.4	2.3
-56.25°	15.0	13.8	12.6	11.2	9.9	8.6	7.3	5.9	4.5	3.3	2.2
-57.5°	14.5	13.4	12.1	10.9	9.6	8.3	7.0	5.7	4.4	3.2	2.1
-58.75°	14.1	12.9	11.7	10.5	9.2	8.0	6.7	5.4	4.2	3.1	2.1
-60°	13.6	12.4	11.2	10.0	8.9	7.6	6.4	5.2	4.0	3.0	2.0
-61.25°	13.0	11.9	10.8	9.6	8.5	7.3	6.2	5.0	3.8	2.9	1.9
-62.5°	12.5	11.4	10.3	9.2	8.1	7.0	5.9	4.7	3.7	2.8	1.8
-63.75°	11.9	10.9	9.8	8.8	7.7	6.7	5.6	4.5	3.5	2.7	1.8
-65°	11.4	10.4	9.4	8.4	7.3	6.3	5.3	4.3	3.4	2.5	1.7
-66.25°	10.8	9.8	8.9	7.9	7.0	6.0	5.0	4.0	3.2	2.4	1.6
-67.5°	10.2	9.3	8.4	7.5	6.6	5.6	4.7	3.8	3.1	2.3	1.5
-68.75°	9.6	8.8	7.9	7.0	6.2	5.3	4.4	3.6	2.9	2.2	1.4
-70°	9.1	8.2	7.4	6.6	5.8	4.9	4.1	3.4	2.7	2.1	1.4
-71.25°	8.5	7.7	6.9	6.1	5.4	4.6	3.8	3.2	2.6	1.9	1.3
-72.5°	7.8	7.1	6.4	5.7	5.0	4.2	3.6	3.0	2.4	1.8	1.2
-73.75°	7.2	6.6	5.9	5.2	4.6	3.9	3.3	2.8	2.2	1.7	1.1
-75°	6.6	6.0	5.4	4.8	4.1	3.6	3.1	2.6	2.1	1.6	1.0
-76.25°	6.0	5.4	4.9	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
-77.5°	5.4	4.9	4.4	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°
-78.75°	4.8	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-80°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-81.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-82.5°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-83.75°	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.4
-85°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-86.25°	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
-87.5°	1.0	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
-88.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	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: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-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°	0.2	0.0
83.75°	0.2	0.0
82.5°	0.3	0.0
81.25°	0.3	0.0
80°	0.3	0.0
78.75°	0.4	0.0
77.5°	0.4	0.0
76.25°	0.5	0.0
75°	0.5	0.0
73.75°	0.6	0.0
72.5°	0.6	0.0
71.25°	0.6	0.0
70°	0.7	0.0
68.75°	0.7	0.0
67.5°	0.8	0.0
66.25°	0.8	0.0
65°	0.8	0.0
63.75°	0.9	0.0
62.5°	0.9	0.0
61.25°	1.0	0.0
60°	1.0	0.0
58.75°	1.0	0.0
57.5°	1.1	0.0
56.25°	1.1	0.0
55°	1.1	0.0
53.75°	1.2	0.0
52.5°	1.2	0.0
51.25°	1.3	0.0
50°	1.3	0.0
48.75°	1.3	0.0
47.5°	1.4	0.0
46.25°	1.4	0.0
45°	1.4	0.0
43.75°	1.4	0.0
42.5°	1.5	0.0
41.25°	1.5	0.0
40°	1.5	0.0
38.75°	1.6	0.0
37.5°	1.6	0.0
36.25°	1.6	0.0
35°	1.6	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.7	0.0
32.5°	1.7	0.0
31.25°	1.7	0.0
30°	1.7	0.0
28.75°	1.8	0.0
27.5°	1.8	0.0
26.25°	1.8	0.0
25°	1.8	0.0
23.75°	1.8	0.0
22.5°	1.8	0.0
21.25°	1.9	0.0
20°	1.9	0.0
18.75°	1.9	0.0
17.5°	1.9	0.0
16.25°	1.9	0.0
15°	1.9	0.0
13.75°	1.9	0.0
12.5°	2.0	0.0
11.25°	2.0	0.0
10°	2.0	0.0
8.75°	2.0	0.0
7.5°	2.0	0.0
6.25°	2.0	0.0
5°	2.0	0.0
3.75°	2.0	0.0
2.5°	2.0	0.0
1.25°	2.0	0.0
0°	2.0	0.0
-1.25°	2.0	0.0
-2.5°	2.0	0.0
-3.75°	2.0	0.0
-5°	2.0	0.0
-6.25°	2.0	0.0
-7.5°	2.0	0.0
-8.75°	2.0	0.0
-10°	2.0	0.0
-11.25°	2.0	0.0
-12.5°	2.0	0.0
-13.75°	1.9	0.0
-15°	1.9	0.0
-16.25°	1.9	0.0
-17.5°	1.9	0.0
-18.75°	1.9	0.0
-20°	1.9	0.0
-21.25°	1.9	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.8	0.0
-23.75°	1.8	0.0
-25°	1.8	0.0
-26.25°	1.8	0.0
-27.5°	1.8	0.0
-28.75°	1.8	0.0
-30°	1.7	0.0
-31.25°	1.7	0.0
-32.5°	1.7	0.0
-33.75°	1.7	0.0
-35°	1.6	0.0
-36.25°	1.6	0.0
-37.5°	1.6	0.0
-38.75°	1.6	0.0
-40°	1.5	0.0
-41.25°	1.5	0.0
-42.5°	1.5	0.0
-43.75°	1.4	0.0
-45°	1.4	0.0
-46.25°	1.4	0.0
-47.5°	1.4	0.0
-48.75°	1.3	0.0
-50°	1.3	0.0
-51.25°	1.3	0.0
-52.5°	1.2	0.0
-53.75°	1.2	0.0
-55°	1.1	0.0
-56.25°	1.1	0.0
-57.5°	1.1	0.0
-58.75°	1.0	0.0
-60°	1.0	0.0
-61.25°	1.0	0.0
-62.5°	0.9	0.0
-63.75°	0.9	0.0
-65°	0.8	0.0
-66.25°	0.8	0.0
-67.5°	0.8	0.0
-68.75°	0.7	0.0
-70°	0.7	0.0
-71.25°	0.6	0.0
-72.5°	0.6	0.0
-73.75°	0.6	0.0
-75°	0.5	0.0
-76.25°	0.5	0.0
-77.5°	0.4	0.0



REPORT NUMBER: P220495 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3590-W-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.4	0.0
-80°	0.3	0.0
-81.25°	0.3	0.0
-82.5°	0.3	0.0
-83.75°	0.2	0.0
-85°	0.2	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)