

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: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

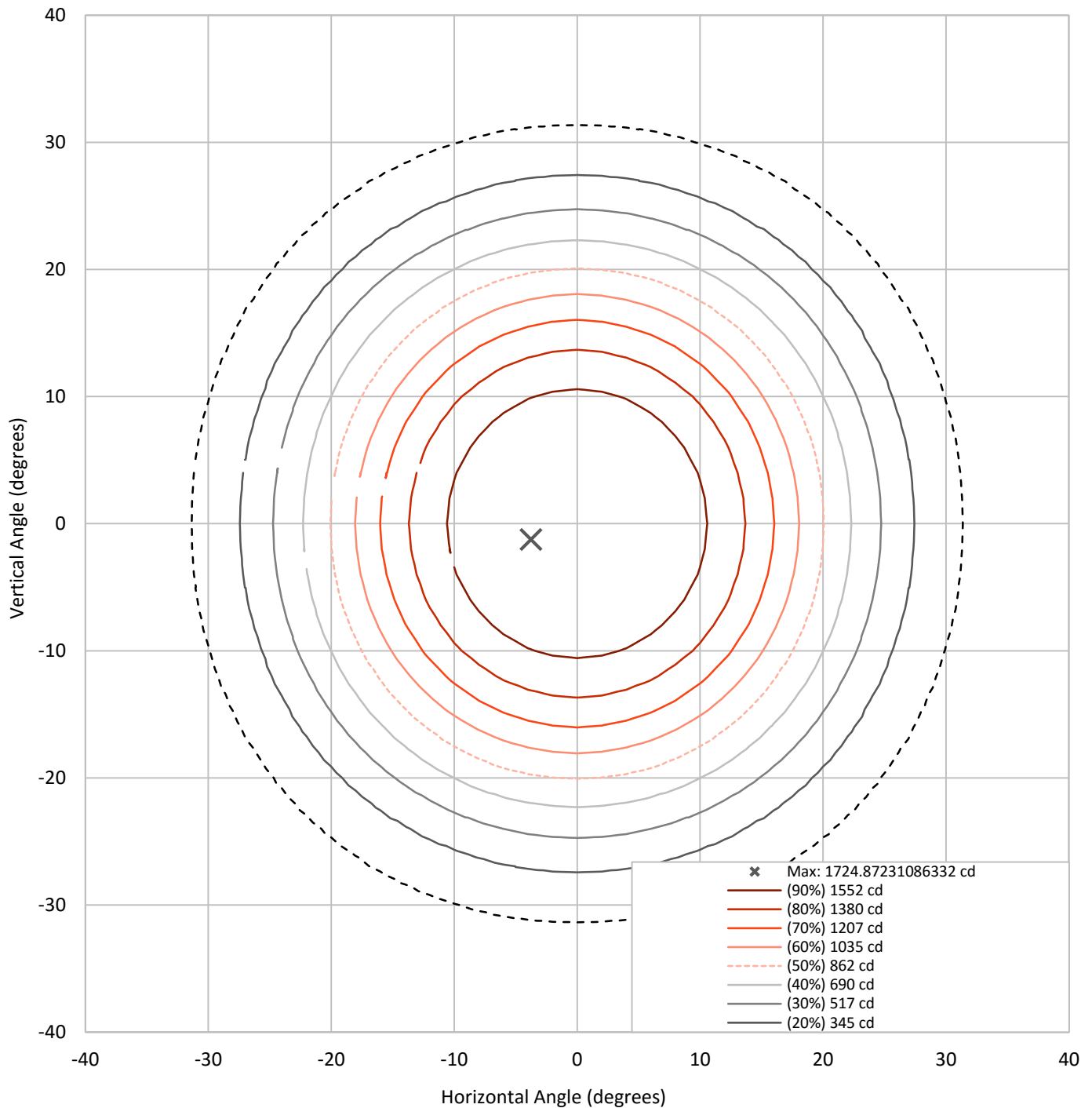
Test Method: LM-79-08
Report Number: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	834.3 lumens	Max Intensity:	1724.9 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	83.4 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.1°H x 39.5°V	Field Angle (10%):	62.7°H x 62.3°V
Beam Lumens:	508.4 lumens	Field Lumens:	748.4 lumens
Beam Efficiency:	60.9%	Field Efficiency:	89.7%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (A _{in}):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





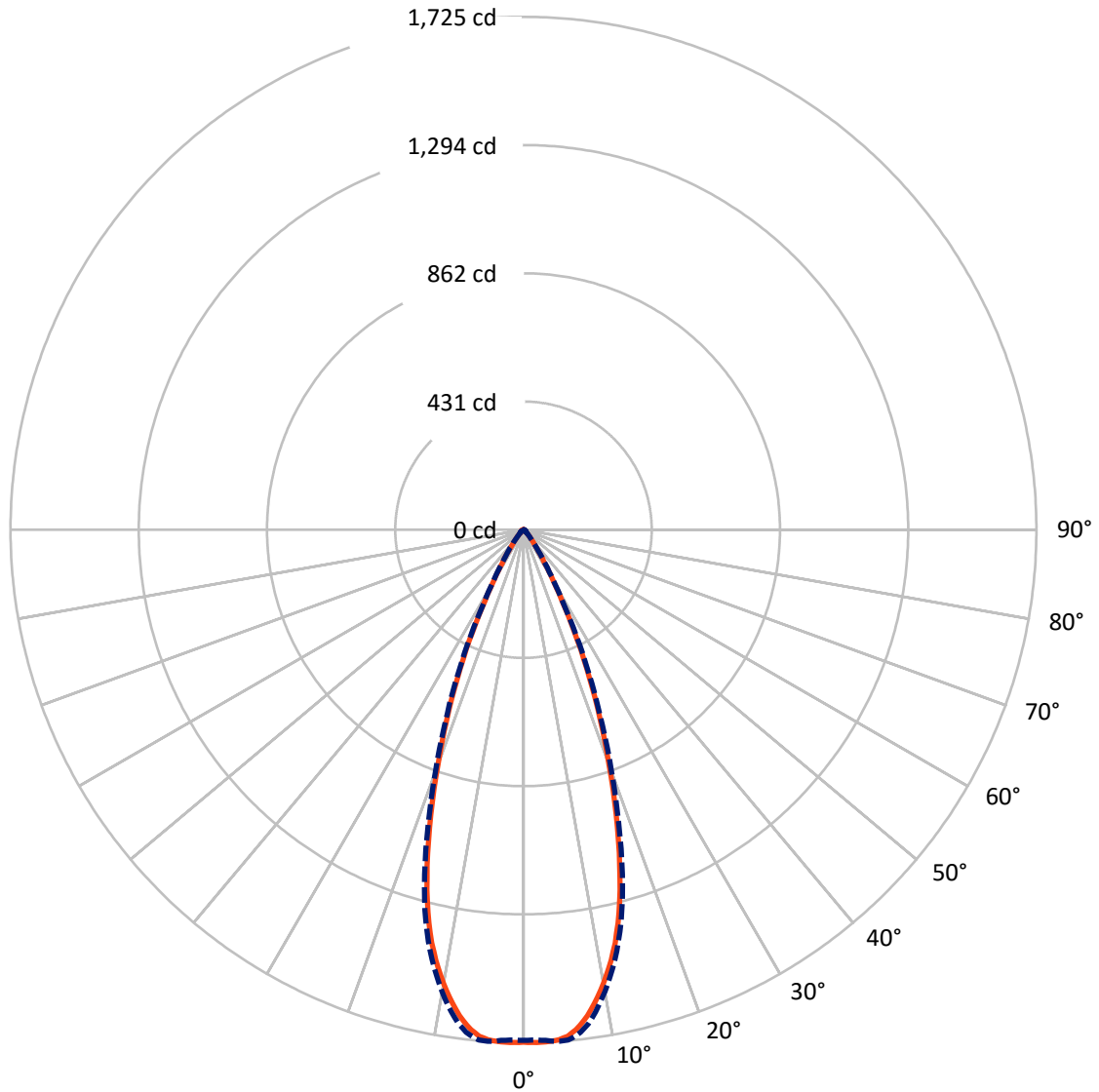
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Lumen Table

90																			
80	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0			
70	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0			
60		0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1				
50	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1			
40		0.1	0.1	0.2	0.4	0.9	1.9	2.9	2.9	1.9	0.9	0.4	0.2	0.1	0.1				
30	0.1	0.1	0.1	0.3	0.8	2.9	8.4	14.3	14.3	8.4	2.9	0.8	0.3	0.1	0.1	0.1			
20		0.1	0.2	0.4	1.6	7.9	22.9	36.0	36.0	22.9	7.9	1.6	0.4	0.2	0.1				
10	0.1	0.1	0.2	0.4	2.4	13.1	35.0	49.8	49.8	35.0	13.1	2.4	0.4	0.2	0.1	0.1			
0		0.1	0.2	0.4	2.4	13.1	35.0	49.8	49.8	35.0	13.1	2.4	0.4	0.2	0.1				
-10	0.1	0.1	0.2	0.4	1.6	7.9	22.9	36.0	36.0	22.9	7.9	1.6	0.4	0.2	0.1	0.1			
-20		0.1	0.1	0.3	0.8	2.9	8.4	14.3	14.3	8.4	2.9	0.8	0.3	0.1	0.1				
-30	0.1	0.1	0.1	0.2	0.4	0.9	1.9	2.9	2.9	1.9	0.9	0.4	0.2	0.1	0.1	0.1			
-40		0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1				
-50	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0			
-60		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0				
-70	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0			
-80		0.1		0.2		0.3		0.4		0.3		0.2		0.1					
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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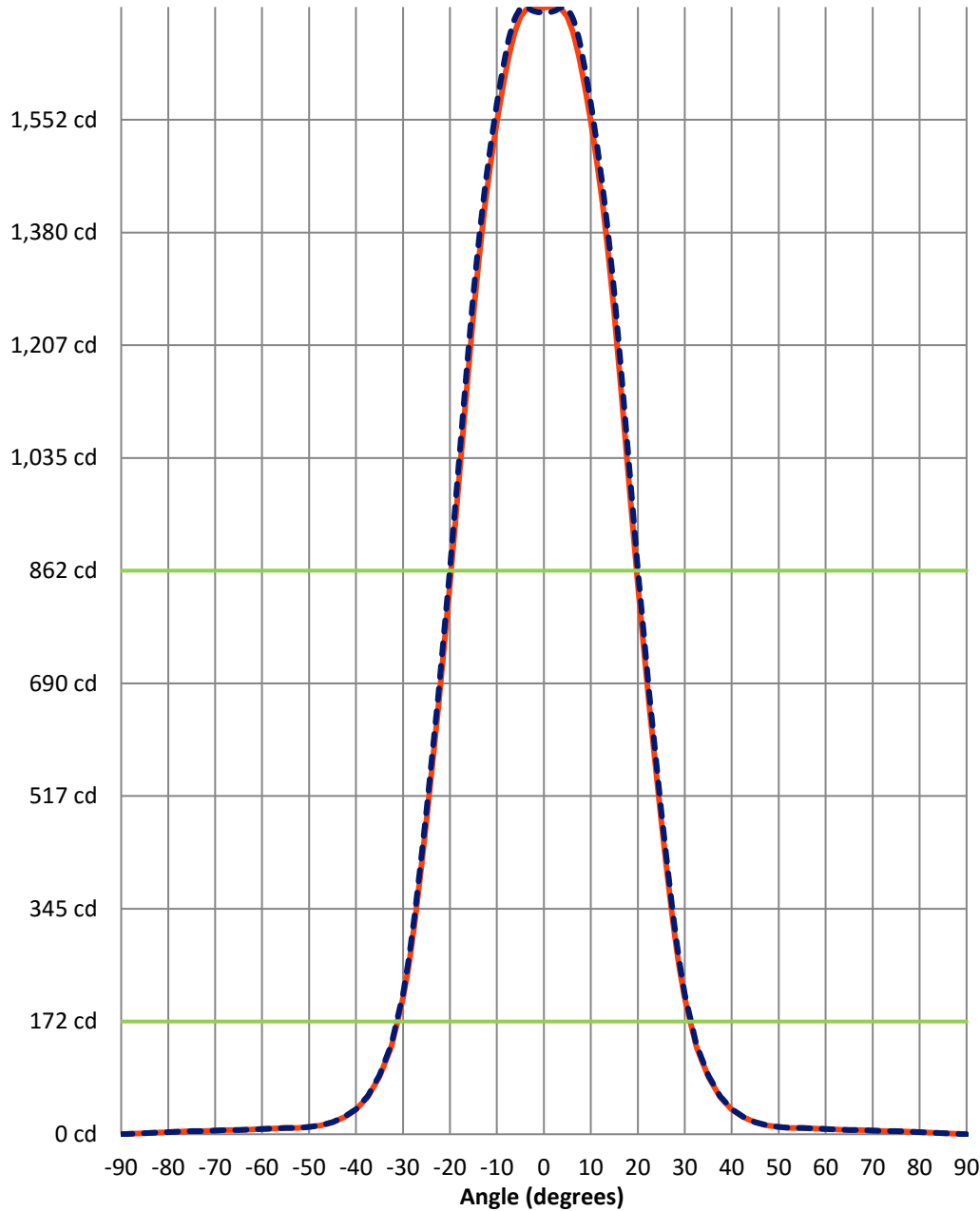
Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg - - - Horizontal Distribution Through -1.25-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 40.1°
 V Angle: 39.5°
 Lumens: 508.4
 Efficiency: 60.9%

Field:
 H Angle: 62.7°
 V Angle: 62.3°
 Lumens: 748.4
 Efficiency: 89.7%

Spill:
 Lumens: 85.9
 Efficiency: 10.3%

— Vertical Distribution through -3.75-Deg
 - - Horizontal Distribution through -1.25-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3
32.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.4
31.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
30°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5
28.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
27.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
26.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.3	3.6
23.75°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7
22.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.3	3.7
21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.4	3.7
20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.8
15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9
13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9
11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9
10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
0°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-1.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-2.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-3.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-6.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-7.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-8.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-10°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
-11.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9
-12.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9
-13.75°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9
-15°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.9
-16.25°	0.0	0.4	0.8	1.2	1.5	1.9	2.3	2.7	3.1	3.5	3.8
-17.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.1	3.4	3.8
-18.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-20°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
-21.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	3.0	3.4	3.7



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	3.0	3.3	3.7
-23.75°	0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.6	2.9	3.3	3.7
-25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.3	3.6
-26.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
-27.5°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
-28.75°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.2	3.5
-30°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.5
-31.25°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
-32.5°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.0	3.4
-33.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.3
-35°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.3
-36.25°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.3	2.6	2.9	3.2
-37.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.2
-38.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
-40°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.8	3.1
-41.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-42.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-43.75°	0.0	0.3	0.6	0.9	1.2	1.4	1.7	2.0	2.3	2.6	2.9
-45°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-46.25°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-47.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
-48.75°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.4	2.6
-50°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6
-51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.5
-52.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-53.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.1	2.4
-55°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.1	2.3
-56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-58.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	1.9	2.1
-60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.3	1.5	1.7	1.9
-62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.3	1.5	1.7	1.8
-63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
-65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.3	1.5	1.7
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.4
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.1
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	3.6	4.0	4.3	4.6	4.8	4.8	4.8	5.1	5.5	5.8	6.1
32.5°	3.7	4.0	4.4	4.7	4.8	4.8	4.9	5.2	5.6	5.9	6.2
31.25°	3.8	4.1	4.4	4.8	4.8	4.8	5.0	5.3	5.6	6.0	6.3
30°	3.8	4.1	4.5	4.8	4.8	4.8	5.1	5.4	5.7	6.1	6.4
28.75°	3.8	4.2	4.5	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.4
27.5°	3.9	4.2	4.6	4.8	4.8	4.9	5.2	5.5	5.9	6.2	6.4
26.25°	3.9	4.3	4.7	4.8	4.8	4.9	5.3	5.6	6.0	6.3	6.4
25°	4.0	4.3	4.7	4.8	4.8	5.0	5.3	5.7	6.1	6.4	6.4
23.75°	4.0	4.4	4.7	4.8	4.8	5.0	5.4	5.8	6.1	6.4	6.4
22.5°	4.1	4.4	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.4	6.4
21.25°	4.1	4.5	4.8	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4
20°	4.1	4.5	4.8	4.8	4.8	5.2	5.6	5.9	6.3	6.4	6.4
18.75°	4.2	4.5	4.8	4.8	4.9	5.2	5.6	6.0	6.4	6.4	6.4
17.5°	4.2	4.6	4.8	4.8	4.9	5.3	5.7	6.0	6.4	6.4	6.4
16.25°	4.2	4.6	4.8	4.8	5.0	5.3	5.7	6.1	6.4	6.4	6.4
15°	4.2	4.6	4.8	4.8	5.0	5.4	5.8	6.1	6.4	6.4	6.5
13.75°	4.3	4.7	4.8	4.8	5.0	5.4	5.8	6.2	6.4	6.4	6.5
12.5°	4.3	4.7	4.8	4.8	5.1	5.4	5.8	6.2	6.4	6.4	6.6
11.25°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.6
10°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
8.75°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
7.5°	4.4	4.8	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
6.25°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.7
5°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
3.75°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
2.5°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
1.25°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
0°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
-1.25°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
-2.5°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
-3.75°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
-5°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.8
-6.25°	4.4	4.8	4.8	4.8	5.2	5.6	6.0	6.4	6.4	6.4	6.7
-7.5°	4.4	4.8	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
-8.75°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
-10°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.7
-11.25°	4.3	4.7	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4	6.6
-12.5°	4.3	4.7	4.8	4.8	5.1	5.4	5.8	6.2	6.4	6.4	6.6
-13.75°	4.3	4.7	4.8	4.8	5.0	5.4	5.8	6.2	6.4	6.4	6.5
-15°	4.2	4.6	4.8	4.8	5.0	5.4	5.8	6.1	6.4	6.4	6.5
-16.25°	4.2	4.6	4.8	4.8	5.0	5.3	5.7	6.1	6.4	6.4	6.4
-17.5°	4.2	4.6	4.8	4.8	4.9	5.3	5.7	6.0	6.4	6.4	6.4
-18.75°	4.2	4.5	4.8	4.8	4.9	5.2	5.6	6.0	6.4	6.4	6.4
-20°	4.1	4.5	4.8	4.8	4.8	5.2	5.6	5.9	6.3	6.4	6.4
-21.25°	4.1	4.5	4.8	4.8	4.8	5.1	5.5	5.9	6.3	6.4	6.4



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	4.1	4.4	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.4	6.4
-23.75°	4.0	4.4	4.7	4.8	4.8	5.0	5.4	5.8	6.1	6.4	6.4
-25°	4.0	4.3	4.7	4.8	4.8	5.0	5.3	5.7	6.1	6.4	6.4
-26.25°	3.9	4.3	4.7	4.8	4.8	4.9	5.3	5.6	6.0	6.3	6.4
-27.5°	3.9	4.2	4.6	4.8	4.8	4.9	5.2	5.5	5.9	6.2	6.4
-28.75°	3.8	4.2	4.5	4.8	4.8	4.8	5.1	5.5	5.8	6.2	6.4
-30°	3.8	4.1	4.5	4.8	4.8	4.8	5.1	5.4	5.7	6.1	6.4
-31.25°	3.8	4.1	4.4	4.8	4.8	4.8	5.0	5.3	5.6	6.0	6.3
-32.5°	3.7	4.0	4.4	4.7	4.8	4.8	4.9	5.2	5.6	5.9	6.2
-33.75°	3.6	4.0	4.3	4.6	4.8	4.8	4.8	5.1	5.5	5.8	6.1
-35°	3.6	3.9	4.2	4.6	4.8	4.8	4.8	5.0	5.4	5.7	6.0
-36.25°	3.5	3.9	4.2	4.5	4.8	4.8	4.8	5.0	5.3	5.6	5.9
-37.5°	3.5	3.8	4.1	4.4	4.7	4.8	4.8	4.9	5.2	5.5	5.8
-38.75°	3.4	3.7	4.0	4.3	4.6	4.8	4.8	4.8	5.1	5.4	5.7
-40°	3.4	3.7	4.0	4.3	4.6	4.8	4.8	4.8	5.0	5.2	5.5
-41.25°	3.3	3.6	3.9	4.2	4.5	4.8	4.8	4.8	4.8	5.1	5.4
-42.5°	3.2	3.5	3.8	4.1	4.4	4.7	4.8	4.8	4.8	5.0	5.3
-43.75°	3.2	3.4	3.7	4.0	4.3	4.6	4.8	4.8	4.8	4.9	5.2
-45°	3.1	3.4	3.7	3.9	4.2	4.5	4.8	4.8	4.8	4.8	5.0
-46.25°	3.0	3.3	3.6	3.8	4.1	4.4	4.6	4.8	4.8	4.8	4.9
-47.5°	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	4.8	4.8	4.8
-48.75°	2.9	3.1	3.4	3.7	3.9	4.2	4.4	4.7	4.8	4.8	4.8
-50°	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.8	4.8	4.8
-51.25°	2.7	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.7	4.8	4.8
-52.5°	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5	4.8	4.8
-53.75°	2.6	2.8	3.0	3.3	3.5	3.7	4.0	4.2	4.4	4.6	4.8
-55°	2.5	2.7	3.0	3.2	3.4	3.6	3.8	4.1	4.3	4.5	4.7
-56.25°	2.4	2.6	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.6
-57.5°	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-58.75°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.2
-60°	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.7	3.9	4.1
-61.25°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8	3.9
-62.5°	2.0	2.2	2.4	2.6	2.7	2.9	3.1	3.3	3.4	3.6	3.8
-63.75°	1.9	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.4	3.6
-65°	1.8	2.0	2.2	2.3	2.5	2.7	2.8	3.0	3.1	3.3	3.4
-66.25°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3
-67.5°	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0	3.1
-68.75°	1.6	1.7	1.9	2.0	2.1	2.3	2.4	2.6	2.7	2.8	3.0
-70°	1.5	1.6	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.7	2.8
-71.25°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.6
-72.5°	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-73.75°	1.2	1.3	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3
-75°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-76.25°	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.8	1.9
-77.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	6.4	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7
32.5°	6.4	6.4	6.4	6.7	7.0	7.3	7.7	8.0	8.3	8.6	8.9
31.25°	6.4	6.4	6.5	6.8	7.2	7.5	7.8	8.1	8.4	8.8	9.1
30°	6.4	6.4	6.6	6.9	7.3	7.6	7.9	8.3	8.6	8.9	9.2
28.75°	6.4	6.4	6.7	7.1	7.4	7.7	8.1	8.4	8.7	9.1	9.4
27.5°	6.4	6.5	6.8	7.2	7.5	7.8	8.2	8.5	8.9	9.2	9.5
26.25°	6.4	6.6	6.9	7.3	7.6	8.0	8.3	8.6	9.0	9.3	9.6
25°	6.4	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.6
23.75°	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.9	9.2	9.6	9.6
22.5°	6.5	6.8	7.2	7.6	7.9	8.3	8.6	9.0	9.4	9.6	9.6
21.25°	6.6	6.9	7.3	7.7	8.0	8.4	8.7	9.1	9.5	9.6	9.6
20°	6.6	7.0	7.4	7.7	8.1	8.5	8.8	9.2	9.6	9.6	9.6
18.75°	6.7	7.1	7.4	7.8	8.2	8.6	8.9	9.3	9.6	9.6	9.6
17.5°	6.8	7.1	7.5	7.9	8.3	8.6	9.0	9.4	9.6	9.6	9.8
16.25°	6.8	7.2	7.6	8.0	8.3	8.7	9.1	9.5	9.6	9.6	10.0
15°	6.9	7.3	7.6	8.0	8.4	8.8	9.2	9.5	9.6	9.6	10.2
13.75°	6.9	7.3	7.7	8.1	8.5	8.9	9.2	9.6	9.6	9.6	10.3
12.5°	7.0	7.4	7.8	8.1	8.5	8.9	9.3	9.6	9.6	9.7	10.5
11.25°	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.6	9.6	9.8	10.6
10°	7.1	7.4	7.8	8.2	8.6	9.0	9.4	9.6	9.6	10.0	10.7
8.75°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.1	10.8
7.5°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.1	10.9
6.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.2	11.0
5°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.3	11.1
3.75°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.3	11.1
2.5°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.4	11.2
1.25°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.4	11.2
0°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.4	11.2
-1.25°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.4	11.2
-2.5°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.4	11.2
-3.75°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.3	11.1
-5°	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.6	9.6	10.3	11.1
-6.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.2	11.0
-7.5°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.1	10.9
-8.75°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.6	9.6	10.1	10.8
-10°	7.1	7.4	7.8	8.2	8.6	9.0	9.4	9.6	9.6	10.0	10.7
-11.25°	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.6	9.6	9.8	10.6
-12.5°	7.0	7.4	7.8	8.1	8.5	8.9	9.3	9.6	9.6	9.7	10.5
-13.75°	6.9	7.3	7.7	8.1	8.5	8.9	9.2	9.6	9.6	9.6	10.3
-15°	6.9	7.3	7.6	8.0	8.4	8.8	9.2	9.5	9.6	9.6	10.2
-16.25°	6.8	7.2	7.6	8.0	8.3	8.7	9.1	9.5	9.6	9.6	10.0
-17.5°	6.8	7.1	7.5	7.9	8.3	8.6	9.0	9.4	9.6	9.6	9.8
-18.75°	6.7	7.1	7.4	7.8	8.2	8.6	8.9	9.3	9.6	9.6	9.6
-20°	6.6	7.0	7.4	7.7	8.1	8.5	8.8	9.2	9.6	9.6	9.6
-21.25°	6.6	6.9	7.3	7.7	8.0	8.4	8.7	9.1	9.5	9.6	9.6



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	6.5	6.8	7.2	7.6	7.9	8.3	8.6	9.0	9.4	9.6	9.6
-23.75°	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.9	9.2	9.6	9.6
-25°	6.4	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.6
-26.25°	6.4	6.6	6.9	7.3	7.6	8.0	8.3	8.6	9.0	9.3	9.6
-27.5°	6.4	6.5	6.8	7.2	7.5	7.8	8.2	8.5	8.9	9.2	9.5
-28.75°	6.4	6.4	6.7	7.1	7.4	7.7	8.1	8.4	8.7	9.1	9.4
-30°	6.4	6.4	6.6	6.9	7.3	7.6	7.9	8.3	8.6	8.9	9.2
-31.25°	6.4	6.4	6.5	6.8	7.2	7.5	7.8	8.1	8.4	8.8	9.1
-32.5°	6.4	6.4	6.4	6.7	7.0	7.3	7.7	8.0	8.3	8.6	8.9
-33.75°	6.4	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7
-35°	6.3	6.4	6.4	6.4	6.8	7.1	7.4	7.7	8.0	8.3	8.6
-36.25°	6.2	6.4	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.1	8.4
-37.5°	6.1	6.4	6.4	6.4	6.5	6.8	7.1	7.4	7.6	7.9	8.2
-38.75°	6.0	6.3	6.4	6.4	6.4	6.6	6.9	7.2	7.5	7.8	8.0
-40°	5.8	6.1	6.4	6.4	6.4	6.5	6.7	7.0	7.3	7.6	7.8
-41.25°	5.7	6.0	6.3	6.4	6.4	6.4	6.6	6.8	7.1	7.4	7.6
-42.5°	5.6	5.8	6.1	6.4	6.4	6.4	6.4	6.7	6.9	7.2	7.5
-43.75°	5.4	5.7	6.0	6.2	6.4	6.4	6.4	6.5	6.7	7.0	7.3
-45°	5.3	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.6	6.8	7.1
-46.25°	5.2	5.4	5.7	5.9	6.2	6.4	6.4	6.4	6.4	6.6	6.8
-47.5°	5.0	5.3	5.5	5.8	6.0	6.3	6.4	6.4	6.4	6.4	6.6
-48.75°	4.9	5.1	5.4	5.6	5.8	6.1	6.3	6.4	6.4	6.4	6.4
-50°	4.8	5.0	5.2	5.4	5.7	5.9	6.1	6.3	6.4	6.4	6.4
-51.25°	4.8	4.8	5.0	5.3	5.5	5.7	5.9	6.2	6.4	6.4	6.4
-52.5°	4.8	4.8	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.4
-53.75°	4.8	4.8	4.8	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.3
-55°	4.8	4.8	4.8	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.1
-56.25°	4.8	4.8	4.8	4.8	4.8	5.0	5.1	5.3	5.5	5.7	5.9
-57.5°	4.6	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.3	5.5	5.7
-58.75°	4.4	4.6	4.8	4.8	4.8	4.8	4.8	4.9	5.1	5.3	5.4
-60°	4.3	4.5	4.6	4.8	4.8	4.8	4.8	4.8	4.9	5.0	5.2
-61.25°	4.1	4.3	4.5	4.6	4.8	4.8	4.8	4.8	4.8	4.8	5.0
-62.5°	3.9	4.1	4.3	4.4	4.6	4.8	4.8	4.8	4.8	4.8	4.8
-63.75°	3.8	3.9	4.1	4.2	4.4	4.6	4.7	4.8	4.8	4.8	4.8
-65°	3.6	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.8	4.8
-66.25°	3.4	3.6	3.7	3.9	4.0	4.1	4.3	4.4	4.5	4.7	4.8
-67.5°	3.3	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.3	4.4	4.6
-68.75°	3.1	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3
-70°	2.9	3.0	3.2	3.3	3.4	3.5	3.6	3.7	3.8	4.0	4.1
-71.25°	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8
-72.5°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
-73.75°	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.3
-75°	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0	3.1
-76.25°	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.7	2.7	2.8
-77.5°	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.4	2.4	2.5	2.6



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	1.7	1.7	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3
-80°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-81.25°	1.3	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7	1.8
-82.5°	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5
-83.75°	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3
-85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6
78.75°	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.8	2.8	2.8	2.9
77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2
76.25°	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5
75°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9
73.75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2
72.5°	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5
71.25°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.7	4.8
70°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.8	4.8	4.8
68.75°	4.4	4.5	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
67.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
66.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	5.1	5.2	5.3
65°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6
63.75°	4.8	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.7	5.8	5.9
62.5°	4.9	5.0	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.2
61.25°	5.1	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.3	6.4	6.4
60°	5.4	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.4	6.4	6.4
58.75°	5.6	5.8	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4
57.5°	5.8	6.0	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6
56.25°	6.1	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.8	6.9
55°	6.3	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.2
53.75°	6.4	6.4	6.4	6.4	6.5	6.7	6.8	7.0	7.2	7.4	7.5
52.5°	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.3	7.5	7.6	7.8
51.25°	6.4	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1
50°	6.4	6.6	6.8	7.1	7.3	7.5	7.6	7.8	8.0	8.2	8.4
48.75°	6.6	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7
47.5°	6.9	7.1	7.3	7.5	7.7	8.0	8.2	8.4	8.6	8.8	9.0
46.25°	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2
45°	7.3	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.1	9.3	9.5
43.75°	7.5	7.7	8.0	8.2	8.5	8.7	8.9	9.2	9.4	9.6	9.6
42.5°	7.7	8.0	8.2	8.5	8.7	8.9	9.2	9.4	9.6	9.6	9.6
41.25°	7.9	8.2	8.4	8.7	8.9	9.2	9.4	9.6	9.6	9.6	9.6
40°	8.1	8.4	8.6	8.9	9.2	9.4	9.6	9.6	9.6	9.6	10.0
38.75°	8.3	8.6	8.8	9.1	9.4	9.6	9.6	9.6	9.6	10.1	10.5
37.5°	8.5	8.8	9.0	9.3	9.6	9.6	9.6	9.6	10.1	10.6	11.1
36.25°	8.7	9.0	9.2	9.5	9.6	9.6	9.6	10.0	10.5	11.1	11.7
35°	8.9	9.2	9.4	9.6	9.6	9.6	9.9	10.5	11.0	11.7	12.5



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	9.0	9.3	9.6	9.6	9.6	9.8	10.4	10.9	11.6	12.4	13.2
32.5°	9.2	9.5	9.6	9.6	9.6	10.2	10.8	11.4	12.3	13.1	14.3
31.25°	9.4	9.6	9.6	9.6	10.0	10.6	11.2	12.1	12.9	14.0	15.7
30°	9.5	9.6	9.6	9.8	10.4	11.0	11.8	12.7	13.6	15.4	17.1
28.75°	9.6	9.6	9.6	10.1	10.7	11.5	12.4	13.3	14.8	16.7	18.5
27.5°	9.6	9.6	9.8	10.5	11.1	12.0	13.0	14.2	16.1	18.0	20.6
26.25°	9.6	9.6	10.1	10.8	11.6	12.5	13.5	15.4	17.3	19.7	22.7
25°	9.6	9.8	10.4	11.1	12.1	13.1	14.5	16.5	18.5	21.6	24.8
23.75°	9.6	10.0	10.7	11.5	12.5	13.5	15.5	17.6	20.3	23.5	26.9
22.5°	9.6	10.3	11.0	12.0	13.0	14.5	16.5	18.7	22.0	25.3	29.7
21.25°	9.9	10.6	11.3	12.4	13.4	15.4	17.5	20.3	23.7	27.4	32.4
20°	10.1	10.8	11.7	12.8	14.1	16.3	18.4	21.8	25.3	29.9	35.0
18.75°	10.3	11.1	12.1	13.2	14.9	17.1	19.8	23.3	27.0	32.3	37.5
17.5°	10.5	11.3	12.4	13.5	15.6	17.9	21.1	24.7	29.2	34.5	40.7
16.25°	10.7	11.6	12.7	14.1	16.4	18.7	22.4	26.0	31.2	36.6	44.4
15°	10.9	11.9	13.0	14.7	17.0	19.8	23.5	27.6	33.1	38.7	47.9
13.75°	11.1	12.2	13.3	15.3	17.6	20.9	24.6	29.3	34.9	41.8	51.1
12.5°	11.3	12.4	13.6	15.9	18.2	21.8	25.6	30.9	36.5	44.6	54.1
11.25°	11.5	12.6	14.0	16.4	18.9	22.7	26.5	32.3	38.0	47.2	56.8
10°	11.7	12.8	14.4	16.8	19.6	23.5	27.8	33.6	39.9	49.6	59.6
8.75°	11.8	13.0	14.8	17.2	20.3	24.2	28.9	34.7	41.9	51.7	63.1
7.5°	12.0	13.2	15.1	17.5	20.9	24.8	29.8	35.7	43.7	53.5	66.1
6.25°	12.1	13.3	15.4	17.8	21.4	25.3	30.6	36.6	45.2	55.0	68.7
5°	12.2	13.4	15.6	18.1	21.8	25.7	31.3	37.3	46.4	56.3	70.8
3.75°	12.3	13.5	15.8	18.3	22.1	26.1	31.8	37.8	47.3	57.3	72.5
2.5°	12.4	13.6	15.9	18.4	22.3	26.3	32.2	38.2	48.0	58.0	73.7
1.25°	12.4	13.6	16.0	18.5	22.5	26.5	32.4	38.4	48.4	58.5	74.4
0°	12.4	13.6	16.1	18.5	22.5	26.5	32.5	38.5	48.6	58.6	74.7
-1.25°	12.4	13.6	16.0	18.5	22.5	26.5	32.4	38.4	48.4	58.5	74.4
-2.5°	12.4	13.6	15.9	18.4	22.3	26.3	32.2	38.2	48.0	58.0	73.7
-3.75°	12.3	13.5	15.8	18.3	22.1	26.1	31.8	37.8	47.3	57.3	72.5
-5°	12.2	13.4	15.6	18.1	21.8	25.7	31.3	37.3	46.4	56.3	70.8
-6.25°	12.1	13.3	15.4	17.8	21.4	25.3	30.6	36.6	45.2	55.0	68.7
-7.5°	12.0	13.2	15.1	17.5	20.9	24.8	29.8	35.7	43.7	53.5	66.1
-8.75°	11.8	13.0	14.8	17.2	20.3	24.2	28.9	34.7	41.9	51.7	63.1
-10°	11.7	12.8	14.4	16.8	19.6	23.5	27.8	33.6	39.9	49.6	59.6
-11.25°	11.5	12.6	14.0	16.4	18.9	22.7	26.5	32.3	38.0	47.2	56.8
-12.5°	11.3	12.4	13.6	15.9	18.2	21.8	25.6	30.9	36.5	44.6	54.1
-13.75°	11.1	12.2	13.3	15.3	17.6	20.9	24.6	29.3	34.9	41.8	51.1
-15°	10.9	11.9	13.0	14.7	17.0	19.8	23.5	27.6	33.1	38.7	47.9
-16.25°	10.7	11.6	12.7	14.1	16.4	18.7	22.4	26.0	31.2	36.6	44.4
-17.5°	10.5	11.3	12.4	13.5	15.6	17.9	21.1	24.7	29.2	34.5	40.7
-18.75°	10.3	11.1	12.1	13.2	14.9	17.1	19.8	23.3	27.0	32.3	37.5
-20°	10.1	10.8	11.7	12.8	14.1	16.3	18.4	21.8	25.3	29.9	35.0
-21.25°	9.9	10.6	11.3	12.4	13.4	15.4	17.5	20.3	23.7	27.4	32.4



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	9.6	10.3	11.0	12.0	13.0	14.5	16.5	18.7	22.0	25.3	29.7
-23.75°	9.6	10.0	10.7	11.5	12.5	13.5	15.5	17.6	20.3	23.5	26.9
-25°	9.6	9.8	10.4	11.1	12.1	13.1	14.5	16.5	18.5	21.6	24.8
-26.25°	9.6	9.6	10.1	10.8	11.6	12.5	13.5	15.4	17.3	19.7	22.7
-27.5°	9.6	9.6	9.8	10.5	11.1	12.0	13.0	14.2	16.1	18.0	20.6
-28.75°	9.6	9.6	9.6	10.1	10.7	11.5	12.4	13.3	14.8	16.7	18.5
-30°	9.5	9.6	9.6	9.8	10.4	11.0	11.8	12.7	13.6	15.4	17.1
-31.25°	9.4	9.6	9.6	9.6	10.0	10.6	11.2	12.1	12.9	14.0	15.7
-32.5°	9.2	9.5	9.6	9.6	9.6	10.2	10.8	11.4	12.3	13.1	14.3
-33.75°	9.0	9.3	9.6	9.6	9.6	9.8	10.4	10.9	11.6	12.4	13.2
-35°	8.9	9.2	9.4	9.6	9.6	9.6	9.9	10.5	11.0	11.7	12.5
-36.25°	8.7	9.0	9.2	9.5	9.6	9.6	9.6	10.0	10.5	11.1	11.7
-37.5°	8.5	8.8	9.0	9.3	9.6	9.6	9.6	9.6	10.1	10.6	11.1
-38.75°	8.3	8.6	8.8	9.1	9.4	9.6	9.6	9.6	9.6	10.1	10.5
-40°	8.1	8.4	8.6	8.9	9.2	9.4	9.6	9.6	9.6	9.6	10.0
-41.25°	7.9	8.2	8.4	8.7	8.9	9.2	9.4	9.6	9.6	9.6	9.6
-42.5°	7.7	8.0	8.2	8.5	8.7	8.9	9.2	9.4	9.6	9.6	9.6
-43.75°	7.5	7.7	8.0	8.2	8.5	8.7	8.9	9.2	9.4	9.6	9.6
-45°	7.3	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.1	9.3	9.5
-46.25°	7.1	7.3	7.5	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2
-47.5°	6.9	7.1	7.3	7.5	7.7	8.0	8.2	8.4	8.6	8.8	9.0
-48.75°	6.6	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7
-50°	6.4	6.6	6.8	7.1	7.3	7.5	7.6	7.8	8.0	8.2	8.4
-51.25°	6.4	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1
-52.5°	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.3	7.5	7.6	7.8
-53.75°	6.4	6.4	6.4	6.4	6.5	6.7	6.8	7.0	7.2	7.4	7.5
-55°	6.3	6.4	6.4	6.4	6.4	6.4	6.6	6.7	6.9	7.1	7.2
-56.25°	6.1	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.8	6.9
-57.5°	5.8	6.0	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.6
-58.75°	5.6	5.8	5.9	6.1	6.2	6.4	6.4	6.4	6.4	6.4	6.4
-60°	5.4	5.5	5.7	5.8	6.0	6.1	6.3	6.4	6.4	6.4	6.4
-61.25°	5.1	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.3	6.4	6.4
-62.5°	4.9	5.0	5.2	5.3	5.4	5.6	5.7	5.8	6.0	6.1	6.2
-63.75°	4.8	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.7	5.8	5.9
-65°	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6
-66.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	5.0	5.1	5.2	5.3
-67.5°	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
-68.75°	4.4	4.5	4.6	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-70°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.8	4.8	4.8
-71.25°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.6	4.7	4.8
-72.5°	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5
-73.75°	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2
-75°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9
-76.25°	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5
-77.5°	2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	2.4	2.4	2.5	2.5	2.6	2.6	2.7	2.8	2.8	2.8	2.9
-80°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.6
-81.25°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
-82.5°	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9
-83.75°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
-85°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-86.25°	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
80°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
78.75°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3
77.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7
76.25°	3.6	3.6	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.1
75°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
73.75°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.8
72.5°	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
71.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.1
68.75°	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5
67.5°	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8
66.25°	5.4	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.1	6.2
65°	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.4
63.75°	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
62.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
61.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.8	6.8
60°	6.4	6.4	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2
58.75°	6.4	6.6	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6
57.5°	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
56.25°	7.1	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.1	8.2	8.3
55°	7.4	7.5	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6
53.75°	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0
52.5°	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.1	9.2	9.4
51.25°	8.3	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.5	9.6	9.6
50°	8.6	8.7	8.9	9.1	9.2	9.4	9.5	9.6	9.6	9.6	9.6
48.75°	8.9	9.0	9.2	9.4	9.5	9.6	9.6	9.6	9.6	9.6	9.6
47.5°	9.2	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.8	10.0	10.3
46.25°	9.4	9.6	9.6	9.6	9.6	9.6	9.8	10.1	10.4	10.7	11.0
45°	9.6	9.6	9.6	9.6	9.8	10.1	10.5	10.8	11.1	11.5	12.0
43.75°	9.6	9.6	9.6	10.0	10.4	10.7	11.1	11.6	12.1	12.5	13.0
42.5°	9.6	9.8	10.2	10.6	11.0	11.5	12.0	12.5	13.1	13.5	14.5
41.25°	9.9	10.4	10.8	11.2	11.8	12.4	13.0	13.5	14.5	15.5	16.5
40°	10.5	10.9	11.4	12.1	12.7	13.3	14.2	15.4	16.5	17.6	18.7
38.75°	11.0	11.6	12.3	12.9	13.6	14.8	16.1	17.3	18.5	20.3	22.0
37.5°	11.7	12.4	13.1	14.0	15.4	16.7	18.0	19.7	21.6	23.5	25.3
36.25°	12.5	13.2	14.3	15.7	17.1	18.5	20.6	22.7	24.8	26.9	29.7
35°	13.3	14.4	15.9	17.4	19.1	21.4	23.6	25.8	28.6	31.6	34.6



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	14.4	16.0	17.6	19.5	21.9	24.3	26.6	30.0	33.2	36.4	40.0
32.5°	15.9	17.6	19.6	22.1	24.6	27.4	30.9	34.4	37.8	42.8	48.0
31.25°	17.4	19.5	22.1	24.8	27.8	31.5	35.2	39.0	44.8	50.5	55.9
30°	19.1	21.9	24.6	27.8	31.7	35.6	40.0	46.2	52.2	58.1	66.8
28.75°	21.4	24.3	27.4	31.5	35.6	40.4	46.9	53.3	60.1	69.7	79.1
27.5°	23.6	26.6	30.9	35.2	40.0	46.9	53.7	61.2	71.5	81.5	91.3
26.25°	25.8	30.0	34.4	39.0	46.2	53.3	61.2	72.1	82.7	94.0	108.5
25°	28.6	33.2	37.8	44.8	52.2	60.1	71.5	82.7	94.9	110.3	125.3
23.75°	31.6	36.4	42.8	50.5	58.1	69.7	81.5	94.0	110.3	126.2	144.7
22.5°	34.6	40.0	48.0	55.9	66.8	79.1	91.3	108.5	125.3	144.7	171.4
21.25°	37.4	44.9	53.1	62.8	75.5	88.1	104.9	122.5	141.5	169.8	197.5
20°	41.2	49.6	58.0	70.8	83.9	99.5	117.9	136.0	164.9	194.1	225.3
18.75°	45.5	54.1	65.0	78.5	92.4	111.5	130.4	156.9	187.5	218.4	258.2
17.5°	49.5	58.3	72.1	85.8	103.4	123.0	145.7	177.7	209.1	248.6	297.3
16.25°	53.4	64.6	78.7	93.7	113.9	133.9	164.7	197.4	234.7	282.4	337.5
15°	57.0	70.6	85.0	103.1	123.7	148.7	182.6	216.4	261.8	317.2	378.2
13.75°	61.4	76.1	90.8	111.9	132.9	164.8	199.3	239.9	292.4	352.7	419.9
12.5°	66.4	81.3	98.6	120.1	144.2	179.7	214.9	262.9	322.2	388.2	459.0
11.25°	70.9	86.0	105.8	127.5	157.3	193.3	234.0	288.0	351.4	422.6	495.1
10°	75.0	90.3	112.2	134.3	169.1	205.7	251.5	311.0	379.3	454.0	530.7
8.75°	78.6	95.6	118.0	142.4	179.7	217.4	269.6	333.7	406.1	482.2	562.8
7.5°	81.8	100.4	123.0	151.2	188.9	230.4	286.6	353.6	429.7	507.9	591.2
6.25°	84.5	104.5	127.3	158.8	196.8	241.6	301.2	371.1	449.9	531.0	615.6
5°	86.7	107.9	130.9	165.0	203.3	250.7	313.8	386.9	466.6	550.1	635.8
3.75°	88.5	110.5	133.6	169.8	208.4	258.2	324.2	399.4	479.7	565.1	651.7
2.5°	89.7	112.4	135.6	173.3	212.1	264.7	331.8	408.3	489.1	575.9	663.2
1.25°	90.5	113.6	136.8	175.4	214.3	268.5	336.3	413.7	494.8	582.4	670.1
0°	90.7	114.0	137.2	176.1	215.0	269.8	337.8	415.5	496.7	584.6	672.4
-1.25°	90.5	113.6	136.8	175.4	214.3	268.5	336.3	413.7	494.8	582.4	670.1
-2.5°	89.7	112.4	135.6	173.3	212.1	264.7	331.8	408.3	489.1	575.9	663.2
-3.75°	88.5	110.5	133.6	169.8	208.4	258.2	324.2	399.4	479.7	565.1	651.7
-5°	86.7	107.9	130.9	165.0	203.3	250.7	313.8	386.9	466.6	550.1	635.8
-6.25°	84.5	104.5	127.3	158.8	196.8	241.6	301.2	371.1	449.9	531.0	615.6
-7.5°	81.8	100.4	123.0	151.2	188.9	230.4	286.6	353.6	429.7	507.9	591.2
-8.75°	78.6	95.6	118.0	142.4	179.7	217.4	269.6	333.7	406.1	482.2	562.8
-10°	75.0	90.3	112.2	134.3	169.1	205.7	251.5	311.0	379.3	454.0	530.7
-11.25°	70.9	86.0	105.8	127.5	157.3	193.3	234.0	288.0	351.4	422.6	495.1
-12.5°	66.4	81.3	98.6	120.1	144.2	179.7	214.9	262.9	322.2	388.2	459.0
-13.75°	61.4	76.1	90.8	111.9	132.9	164.8	199.3	239.9	292.4	352.7	419.9
-15°	57.0	70.6	85.0	103.1	123.7	148.7	182.6	216.4	261.8	317.2	378.2
-16.25°	53.4	64.6	78.7	93.7	113.9	133.9	164.7	197.4	234.7	282.4	337.5
-17.5°	49.5	58.3	72.1	85.8	103.4	123.0	145.7	177.7	209.1	248.6	297.3
-18.75°	45.5	54.1	65.0	78.5	92.4	111.5	130.4	156.9	187.5	218.4	258.2
-20°	41.2	49.6	58.0	70.8	83.9	99.5	117.9	136.0	164.9	194.1	225.3
-21.25°	37.4	44.9	53.1	62.8	75.5	88.1	104.9	122.5	141.5	169.8	197.5



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	34.6	40.0	48.0	55.9	66.8	79.1	91.3	108.5	125.3	144.7	171.4
-23.75°	31.6	36.4	42.8	50.5	58.1	69.7	81.5	94.0	110.3	126.2	144.7
-25°	28.6	33.2	37.8	44.8	52.2	60.1	71.5	82.7	94.9	110.3	125.3
-26.25°	25.8	30.0	34.4	39.0	46.2	53.3	61.2	72.1	82.7	94.0	108.5
-27.5°	23.6	26.6	30.9	35.2	40.0	46.9	53.7	61.2	71.5	81.5	91.3
-28.75°	21.4	24.3	27.4	31.5	35.6	40.4	46.9	53.3	60.1	69.7	79.1
-30°	19.1	21.9	24.6	27.8	31.7	35.6	40.0	46.2	52.2	58.1	66.8
-31.25°	17.4	19.5	22.1	24.8	27.8	31.5	35.2	39.0	44.8	50.5	55.9
-32.5°	15.9	17.6	19.6	22.1	24.6	27.4	30.9	34.4	37.8	42.8	48.0
-33.75°	14.4	16.0	17.6	19.5	21.9	24.3	26.6	30.0	33.2	36.4	40.0
-35°	13.3	14.4	15.9	17.4	19.1	21.4	23.6	25.8	28.6	31.6	34.6
-36.25°	12.5	13.2	14.3	15.7	17.1	18.5	20.6	22.7	24.8	26.9	29.7
-37.5°	11.7	12.4	13.1	14.0	15.4	16.7	18.0	19.7	21.6	23.5	25.3
-38.75°	11.0	11.6	12.3	12.9	13.6	14.8	16.1	17.3	18.5	20.3	22.0
-40°	10.5	10.9	11.4	12.1	12.7	13.3	14.2	15.4	16.5	17.6	18.7
-41.25°	9.9	10.4	10.8	11.2	11.8	12.4	13.0	13.5	14.5	15.5	16.5
-42.5°	9.6	9.8	10.2	10.6	11.0	11.5	12.0	12.5	13.1	13.5	14.5
-43.75°	9.6	9.6	9.6	10.0	10.4	10.7	11.1	11.6	12.1	12.5	13.0
-45°	9.6	9.6	9.6	9.6	9.8	10.1	10.5	10.8	11.1	11.5	12.0
-46.25°	9.4	9.6	9.6	9.6	9.6	9.6	9.8	10.1	10.4	10.7	11.0
-47.5°	9.2	9.3	9.5	9.6	9.6	9.6	9.6	9.6	9.8	10.0	10.3
-48.75°	8.9	9.0	9.2	9.4	9.5	9.6	9.6	9.6	9.6	9.6	9.6
-50°	8.6	8.7	8.9	9.1	9.2	9.4	9.5	9.6	9.6	9.6	9.6
-51.25°	8.3	8.4	8.6	8.8	8.9	9.1	9.2	9.3	9.5	9.6	9.6
-52.5°	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.1	9.2	9.4
-53.75°	7.7	7.8	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0
-55°	7.4	7.5	7.7	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6
-56.25°	7.1	7.2	7.3	7.5	7.6	7.7	7.8	8.0	8.1	8.2	8.3
-57.5°	6.8	6.9	7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
-58.75°	6.4	6.6	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6
-60°	6.4	6.4	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2
-61.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.8	6.8
-62.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.5
-63.75°	6.0	6.1	6.2	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-65°	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.4
-66.25°	5.4	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.1	6.2
-67.5°	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8
-68.75°	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5
-70°	4.8	4.8	4.8	4.8	4.8	4.8	4.9	4.9	5.0	5.0	5.1
-71.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-72.5°	4.6	4.6	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-73.75°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.8
-75°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
-76.25°	3.6	3.6	3.7	3.8	3.8	3.8	3.9	3.9	4.0	4.0	4.1
-77.5°	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.7	3.7



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3
-80°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
-81.25°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
-82.5°	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2
-83.75°	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
-85°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5
-86.25°	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
81.25°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
80°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
78.75°	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.6
77.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0
76.25°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
75°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
71.25°	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
70°	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
68.75°	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
67.5°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3
66.25°	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
63.75°	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7
62.5°	6.6	6.6	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1
61.25°	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.4	7.5
60°	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.8	7.9
58.75°	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
57.5°	8.0	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
56.25°	8.4	8.5	8.6	8.6	8.7	8.8	8.9	8.9	9.0	9.0	9.1
55°	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.5
53.75°	9.1	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.6	9.6	9.6
52.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
51.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	10.0	10.1
50°	9.6	9.6	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.8
48.75°	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7	11.8
47.5°	10.6	10.8	11.1	11.3	11.6	11.9	12.2	12.4	12.6	12.8	13.0
46.25°	11.3	11.7	12.1	12.4	12.7	13.0	13.3	13.6	14.0	14.4	14.8
45°	12.4	12.8	13.2	13.5	14.1	14.7	15.3	15.9	16.4	16.8	17.2
43.75°	13.4	14.1	14.9	15.6	16.4	17.0	17.6	18.2	18.9	19.6	20.3
42.5°	15.4	16.3	17.1	17.9	18.7	19.8	20.9	21.8	22.7	23.5	24.2
41.25°	17.5	18.4	19.8	21.1	22.4	23.5	24.6	25.6	26.5	27.8	28.9
40°	20.3	21.8	23.3	24.7	26.0	27.6	29.3	30.9	32.3	33.6	34.7
38.75°	23.7	25.3	27.0	29.2	31.2	33.1	34.9	36.5	38.0	39.9	41.9
37.5°	27.4	29.9	32.3	34.5	36.6	38.7	41.8	44.6	47.2	49.6	51.7
36.25°	32.4	35.0	37.5	40.7	44.4	47.9	51.1	54.1	56.8	59.6	63.1
35°	37.4	41.2	45.5	49.5	53.4	57.0	61.4	66.4	70.9	75.0	78.6



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	44.9	49.6	54.1	58.3	64.6	70.6	76.1	81.3	86.0	90.3	95.6
32.5°	53.1	58.0	65.0	72.1	78.7	85.0	90.8	98.6	105.8	112.2	118.0
31.25°	62.8	70.8	78.5	85.8	93.7	103.1	111.9	120.1	127.5	134.3	142.4
30°	75.5	83.9	92.4	103.4	113.9	123.7	132.9	144.2	157.3	169.1	179.7
28.75°	88.1	99.5	111.5	123.0	133.9	148.7	164.8	179.7	193.3	205.7	217.4
27.5°	104.9	117.9	130.4	145.7	164.7	182.6	199.3	214.9	234.0	251.5	269.6
26.25°	122.5	136.0	156.9	177.7	197.4	216.4	239.9	262.9	288.0	311.0	333.7
25°	141.5	164.9	187.5	209.1	234.7	261.8	292.4	322.2	351.4	379.3	406.1
23.75°	169.8	194.1	218.4	248.6	282.4	317.2	352.7	388.2	422.6	454.0	482.2
22.5°	197.5	225.3	258.2	297.3	337.5	378.2	419.9	459.0	495.1	530.7	562.8
21.25°	227.6	264.1	306.4	351.2	397.9	444.1	487.8	531.4	572.5	610.1	644.0
20°	264.1	309.4	358.1	409.8	460.5	509.8	559.2	605.7	649.0	690.5	730.5
18.75°	306.4	358.1	413.8	468.7	523.5	578.1	629.9	679.5	730.2	777.0	819.3
17.5°	351.2	409.8	468.7	528.1	587.6	644.6	702.0	759.2	812.7	862.1	910.7
16.25°	397.9	460.5	523.5	587.6	649.6	713.4	776.9	837.0	895.9	953.2	1005.5
15°	444.1	509.8	578.1	644.6	713.4	782.8	849.3	916.8	982.2	1043.0	1099.2
13.75°	487.8	559.2	629.9	702.0	776.9	849.3	923.9	996.9	1066.1	1131.1	1189.5
12.5°	531.4	605.7	679.5	759.2	837.0	916.8	996.9	1073.9	1147.0	1214.2	1273.5
11.25°	572.5	649.0	730.2	812.7	895.9	982.2	1066.1	1147.0	1222.2	1290.3	1346.9
10°	610.1	690.5	777.0	862.1	953.2	1043.0	1131.1	1214.2	1290.3	1354.8	1410.0
8.75°	644.0	730.5	819.3	910.7	1005.5	1099.2	1189.5	1273.5	1346.9	1410.0	1463.1
7.5°	674.2	765.9	856.9	954.6	1052.5	1149.1	1240.7	1323.4	1394.9	1456.0	1508.2
6.25°	703.0	796.5	891.5	992.7	1093.6	1192.1	1284.7	1365.4	1435.0	1494.3	1546.5
5°	726.9	821.9	921.2	1024.5	1128.0	1227.4	1318.5	1397.8	1466.1	1525.4	1578.3
3.75°	745.8	842.0	944.7	1049.9	1154.7	1254.8	1345.1	1423.9	1490.4	1549.6	1602.2
2.5°	759.4	856.5	961.7	1068.3	1174.0	1274.8	1364.3	1441.0	1507.4	1567.1	1619.9
1.25°	767.6	865.3	972.0	1079.5	1185.8	1286.9	1374.9	1451.3	1517.8	1577.8	1630.4
0°	770.3	868.2	975.5	1083.2	1189.7	1291.0	1378.5	1454.7	1521.3	1581.5	1633.8
-1.25°	767.6	865.3	972.0	1079.5	1185.8	1286.9	1374.9	1451.3	1517.8	1577.8	1630.4
-2.5°	759.4	856.5	961.7	1068.3	1174.0	1274.8	1364.3	1441.0	1507.4	1567.1	1619.9
-3.75°	745.8	842.0	944.7	1049.9	1154.7	1254.8	1345.1	1423.9	1490.4	1549.6	1602.2
-5°	726.9	821.9	921.2	1024.5	1128.0	1227.4	1318.5	1397.8	1466.1	1525.4	1578.3
-6.25°	703.0	796.5	891.5	992.7	1093.6	1192.1	1284.7	1365.4	1435.0	1494.3	1546.5
-7.5°	674.2	765.9	856.9	954.6	1052.5	1149.1	1240.7	1323.4	1394.9	1456.0	1508.2
-8.75°	644.0	730.5	819.3	910.7	1005.5	1099.2	1189.5	1273.5	1346.9	1410.0	1463.1
-10°	610.1	690.5	777.0	862.1	953.2	1043.0	1131.1	1214.2	1290.3	1354.8	1410.0
-11.25°	572.5	649.0	730.2	812.7	895.9	982.2	1066.1	1147.0	1222.2	1290.3	1346.9
-12.5°	531.4	605.7	679.5	759.2	837.0	916.8	996.9	1073.9	1147.0	1214.2	1273.5
-13.75°	487.8	559.2	629.9	702.0	776.9	849.3	923.9	996.9	1066.1	1131.1	1189.5
-15°	444.1	509.8	578.1	644.6	713.4	782.8	849.3	916.8	982.2	1043.0	1099.2
-16.25°	397.9	460.5	523.5	587.6	649.6	713.4	776.9	837.0	895.9	953.2	1005.5
-17.5°	351.2	409.8	468.7	528.1	587.6	644.6	702.0	759.2	812.7	862.1	910.7
-18.75°	306.4	358.1	413.8	468.7	523.5	578.1	629.9	679.5	730.2	777.0	819.3
-20°	264.1	309.4	358.1	409.8	460.5	509.8	559.2	605.7	649.0	690.5	730.5
-21.25°	227.6	264.1	306.4	351.2	397.9	444.1	487.8	531.4	572.5	610.1	644.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	197.5	225.3	258.2	297.3	337.5	378.2	419.9	459.0	495.1	530.7	562.8
-23.75°	169.8	194.1	218.4	248.6	282.4	317.2	352.7	388.2	422.6	454.0	482.2
-25°	141.5	164.9	187.5	209.1	234.7	261.8	292.4	322.2	351.4	379.3	406.1
-26.25°	122.5	136.0	156.9	177.7	197.4	216.4	239.9	262.9	288.0	311.0	333.7
-27.5°	104.9	117.9	130.4	145.7	164.7	182.6	199.3	214.9	234.0	251.5	269.6
-28.75°	88.1	99.5	111.5	123.0	133.9	148.7	164.8	179.7	193.3	205.7	217.4
-30°	75.5	83.9	92.4	103.4	113.9	123.7	132.9	144.2	157.3	169.1	179.7
-31.25°	62.8	70.8	78.5	85.8	93.7	103.1	111.9	120.1	127.5	134.3	142.4
-32.5°	53.1	58.0	65.0	72.1	78.7	85.0	90.8	98.6	105.8	112.2	118.0
-33.75°	44.9	49.6	54.1	58.3	64.6	70.6	76.1	81.3	86.0	90.3	95.6
-35°	37.4	41.2	45.5	49.5	53.4	57.0	61.4	66.4	70.9	75.0	78.6
-36.25°	32.4	35.0	37.5	40.7	44.4	47.9	51.1	54.1	56.8	59.6	63.1
-37.5°	27.4	29.9	32.3	34.5	36.6	38.7	41.8	44.6	47.2	49.6	51.7
-38.75°	23.7	25.3	27.0	29.2	31.2	33.1	34.9	36.5	38.0	39.9	41.9
-40°	20.3	21.8	23.3	24.7	26.0	27.6	29.3	30.9	32.3	33.6	34.7
-41.25°	17.5	18.4	19.8	21.1	22.4	23.5	24.6	25.6	26.5	27.8	28.9
-42.5°	15.4	16.3	17.1	17.9	18.7	19.8	20.9	21.8	22.7	23.5	24.2
-43.75°	13.4	14.1	14.9	15.6	16.4	17.0	17.6	18.2	18.9	19.6	20.3
-45°	12.4	12.8	13.2	13.5	14.1	14.7	15.3	15.9	16.4	16.8	17.2
-46.25°	11.3	11.7	12.1	12.4	12.7	13.0	13.3	13.6	14.0	14.4	14.8
-47.5°	10.6	10.8	11.1	11.3	11.6	11.9	12.2	12.4	12.6	12.8	13.0
-48.75°	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7	11.8
-50°	9.6	9.6	9.6	9.8	10.0	10.2	10.3	10.5	10.6	10.7	10.8
-51.25°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	10.0	10.1
-52.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-53.75°	9.1	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.6	9.6	9.6
-55°	8.7	8.8	8.9	9.0	9.1	9.2	9.2	9.3	9.4	9.4	9.5
-56.25°	8.4	8.5	8.6	8.6	8.7	8.8	8.9	8.9	9.0	9.0	9.1
-57.5°	8.0	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
-58.75°	7.7	7.7	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
-60°	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.8	7.9
-61.25°	6.9	7.0	7.1	7.1	7.2	7.3	7.3	7.4	7.4	7.4	7.5
-62.5°	6.6	6.6	6.7	6.8	6.8	6.9	6.9	7.0	7.0	7.1	7.1
-63.75°	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.7
-65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-66.25°	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-67.5°	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3
-68.75°	5.5	5.6	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9
-70°	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
-71.25°	4.8	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7
-76.25°	4.1	4.1	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3
-77.5°	3.7	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.9	3.9	4.0



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	3.4	3.4	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.6
-80°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
-81.25°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
-82.5°	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4
-83.75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0
-85°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-86.25°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
78.75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
76.25°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
71.25°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
70°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
68.75°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
63.75°	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
62.5°	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
61.25°	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
60°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
58.75°	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
57.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
56.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
55°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
53.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
51.25°	10.1	10.2	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3
50°	10.9	11.0	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.1
48.75°	12.0	12.1	12.2	12.3	12.4	12.4	12.4	12.4	12.4	12.3	12.2
47.5°	13.2	13.3	13.4	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.4
46.25°	15.1	15.4	15.6	15.8	15.9	16.0	16.1	16.0	15.9	15.8	15.6
45°	17.5	17.8	18.1	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.1
43.75°	20.9	21.4	21.8	22.1	22.3	22.5	22.5	22.5	22.3	22.1	21.8
42.5°	24.8	25.3	25.7	26.1	26.3	26.5	26.5	26.5	26.3	26.1	25.7
41.25°	29.8	30.6	31.3	31.8	32.2	32.4	32.5	32.4	32.2	31.8	31.3
40°	35.7	36.6	37.3	37.8	38.2	38.4	38.5	38.4	38.2	37.8	37.3
38.75°	43.7	45.2	46.4	47.3	48.0	48.4	48.6	48.4	48.0	47.3	46.4
37.5°	53.5	55.0	56.3	57.3	58.0	58.5	58.6	58.5	58.0	57.3	56.3
36.25°	66.1	68.7	70.8	72.5	73.7	74.4	74.7	74.4	73.7	72.5	70.8
35°	81.8	84.5	86.7	88.5	89.7	90.5	90.7	90.5	89.7	88.5	86.7



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	100.4	104.5	107.9	110.5	112.4	113.6	114.0	113.6	112.4	110.5	107.9
32.5°	123.0	127.3	130.9	133.6	135.6	136.8	137.2	136.8	135.6	133.6	130.9
31.25°	151.2	158.8	165.0	169.8	173.3	175.4	176.1	175.4	173.3	169.8	165.0
30°	188.9	196.8	203.3	208.4	212.1	214.3	215.0	214.3	212.1	208.4	203.3
28.75°	230.4	241.6	250.7	258.2	264.7	268.5	269.8	268.5	264.7	258.2	250.7
27.5°	286.6	301.2	313.8	324.2	331.8	336.3	337.8	336.3	331.8	324.2	313.8
26.25°	353.6	371.1	386.9	399.4	408.3	413.7	415.5	413.7	408.3	399.4	386.9
25°	429.7	449.9	466.6	479.7	489.1	494.8	496.7	494.8	489.1	479.7	466.6
23.75°	507.9	531.0	550.1	565.1	575.9	582.4	584.6	582.4	575.9	565.1	550.1
22.5°	591.2	615.6	635.8	651.7	663.2	670.1	672.4	670.1	663.2	651.7	635.8
21.25°	674.2	703.0	726.9	745.8	759.4	767.6	770.3	767.6	759.4	745.8	726.9
20°	765.9	796.5	821.9	842.0	856.5	865.3	868.2	865.3	856.5	842.0	821.9
18.75°	856.9	891.5	921.2	944.7	961.7	972.0	975.5	972.0	961.7	944.7	921.2
17.5°	954.6	992.7	1024.5	1049.9	1068.3	1079.5	1083.2	1079.5	1068.3	1049.9	1024.5
16.25°	1052.5	1093.6	1128.0	1154.7	1174.0	1185.8	1189.7	1185.8	1174.0	1154.7	1128.0
15°	1149.1	1192.1	1227.4	1254.8	1274.8	1286.9	1291.0	1286.9	1274.8	1254.8	1227.4
13.75°	1240.7	1284.7	1318.5	1345.1	1364.3	1374.9	1378.5	1374.9	1364.3	1345.1	1318.5
12.5°	1323.4	1365.4	1397.8	1423.9	1441.0	1451.3	1454.7	1451.3	1441.0	1423.9	1397.8
11.25°	1394.9	1435.0	1466.1	1490.4	1507.4	1517.8	1521.3	1517.8	1507.4	1490.4	1466.1
10°	1456.0	1494.3	1525.4	1549.6	1567.1	1577.8	1581.5	1577.8	1567.1	1549.6	1525.4
8.75°	1508.2	1546.5	1578.3	1602.2	1619.9	1630.4	1633.8	1630.4	1619.9	1602.2	1578.3
7.5°	1553.5	1592.1	1623.7	1648.3	1666.3	1675.7	1679.0	1675.7	1666.3	1648.3	1623.7
6.25°	1592.1	1630.7	1663.4	1685.7	1700.0	1707.2	1709.7	1707.2	1700.0	1685.7	1663.4
5°	1623.7	1663.4	1692.5	1709.7	1718.6	1722.8	1724.3	1722.8	1718.6	1709.7	1692.5
3.75°	1648.3	1685.7	1709.7	1721.4	1724.7	1724.9	1723.9	1724.9	1724.7	1721.4	1709.7
2.5°	1666.3	1700.0	1718.6	1724.7	1722.9	1719.5	1718.3	1719.5	1722.9	1724.7	1718.6
1.25°	1675.7	1707.2	1722.8	1724.9	1719.5	1716.7	1717.5	1716.7	1719.5	1724.9	1722.8
0°	1679.0	1709.7	1724.3	1723.9	1718.3	1717.5	1721.9	1717.5	1718.3	1723.9	1724.3
-1.25°	1675.7	1707.2	1722.8	1724.9	1719.5	1716.7	1717.5	1716.7	1719.5	1724.9	1722.8
-2.5°	1666.3	1700.0	1718.6	1724.7	1722.9	1719.5	1718.3	1719.5	1722.9	1724.7	1718.6
-3.75°	1648.3	1685.7	1709.7	1721.4	1724.7	1724.9	1723.9	1724.9	1724.7	1721.4	1709.7
-5°	1623.7	1663.4	1692.5	1709.7	1718.6	1722.8	1724.3	1722.8	1718.6	1709.7	1692.5
-6.25°	1592.1	1630.7	1663.4	1685.7	1700.0	1707.2	1709.7	1707.2	1700.0	1685.7	1663.4
-7.5°	1553.5	1592.1	1623.7	1648.3	1666.3	1675.7	1679.0	1675.7	1666.3	1648.3	1623.7
-8.75°	1508.2	1546.5	1578.3	1602.2	1619.9	1630.4	1633.8	1630.4	1619.9	1602.2	1578.3
-10°	1456.0	1494.3	1525.4	1549.6	1567.1	1577.8	1581.5	1577.8	1567.1	1549.6	1525.4
-11.25°	1394.9	1435.0	1466.1	1490.4	1507.4	1517.8	1521.3	1517.8	1507.4	1490.4	1466.1
-12.5°	1323.4	1365.4	1397.8	1423.9	1441.0	1451.3	1454.7	1451.3	1441.0	1423.9	1397.8
-13.75°	1240.7	1284.7	1318.5	1345.1	1364.3	1374.9	1378.5	1374.9	1364.3	1345.1	1318.5
-15°	1149.1	1192.1	1227.4	1254.8	1274.8	1286.9	1291.0	1286.9	1274.8	1254.8	1227.4
-16.25°	1052.5	1093.6	1128.0	1154.7	1174.0	1185.8	1189.7	1185.8	1174.0	1154.7	1128.0
-17.5°	954.6	992.7	1024.5	1049.9	1068.3	1079.5	1083.2	1079.5	1068.3	1049.9	1024.5
-18.75°	856.9	891.5	921.2	944.7	961.7	972.0	975.5	972.0	961.7	944.7	921.2
-20°	765.9	796.5	821.9	842.0	856.5	865.3	868.2	865.3	856.5	842.0	821.9
-21.25°	674.2	703.0	726.9	745.8	759.4	767.6	770.3	767.6	759.4	745.8	726.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	591.2	615.6	635.8	651.7	663.2	670.1	672.4	670.1	663.2	651.7	635.8
-23.75°	507.9	531.0	550.1	565.1	575.9	582.4	584.6	582.4	575.9	565.1	550.1
-25°	429.7	449.9	466.6	479.7	489.1	494.8	496.7	494.8	489.1	479.7	466.6
-26.25°	353.6	371.1	386.9	399.4	408.3	413.7	415.5	413.7	408.3	399.4	386.9
-27.5°	286.6	301.2	313.8	324.2	331.8	336.3	337.8	336.3	331.8	324.2	313.8
-28.75°	230.4	241.6	250.7	258.2	264.7	268.5	269.8	268.5	264.7	258.2	250.7
-30°	188.9	196.8	203.3	208.4	212.1	214.3	215.0	214.3	212.1	208.4	203.3
-31.25°	151.2	158.8	165.0	169.8	173.3	175.4	176.1	175.4	173.3	169.8	165.0
-32.5°	123.0	127.3	130.9	133.6	135.6	136.8	137.2	136.8	135.6	133.6	130.9
-33.75°	100.4	104.5	107.9	110.5	112.4	113.6	114.0	113.6	112.4	110.5	107.9
-35°	81.8	84.5	86.7	88.5	89.7	90.5	90.7	90.5	89.7	88.5	86.7
-36.25°	66.1	68.7	70.8	72.5	73.7	74.4	74.7	74.4	73.7	72.5	70.8
-37.5°	53.5	55.0	56.3	57.3	58.0	58.5	58.6	58.5	58.0	57.3	56.3
-38.75°	43.7	45.2	46.4	47.3	48.0	48.4	48.6	48.4	48.0	47.3	46.4
-40°	35.7	36.6	37.3	37.8	38.2	38.4	38.5	38.4	38.2	37.8	37.3
-41.25°	29.8	30.6	31.3	31.8	32.2	32.4	32.5	32.4	32.2	31.8	31.3
-42.5°	24.8	25.3	25.7	26.1	26.3	26.5	26.5	26.5	26.3	26.1	25.7
-43.75°	20.9	21.4	21.8	22.1	22.3	22.5	22.5	22.5	22.3	22.1	21.8
-45°	17.5	17.8	18.1	18.3	18.4	18.5	18.5	18.5	18.4	18.3	18.1
-46.25°	15.1	15.4	15.6	15.8	15.9	16.0	16.1	16.0	15.9	15.8	15.6
-47.5°	13.2	13.3	13.4	13.5	13.6	13.6	13.6	13.6	13.6	13.5	13.4
-48.75°	12.0	12.1	12.2	12.3	12.4	12.4	12.4	12.4	12.4	12.3	12.2
-50°	10.9	11.0	11.1	11.1	11.2	11.2	11.2	11.2	11.2	11.1	11.1
-51.25°	10.1	10.2	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3
-52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-53.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-55°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-56.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-57.5°	8.7	8.7	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
-58.75°	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-60°	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
-61.25°	7.5	7.5	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
-62.5°	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
-63.75°	6.7	6.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
-65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-67.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-68.75°	5.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
-70°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-71.25°	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-76.25°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
-77.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
-80°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-81.25°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-82.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
81.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
78.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4
77.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8
76.25°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
75°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
71.25°	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
70°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2
68.75°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
67.5°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0
66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
63.75°	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4
62.5°	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7
61.25°	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.1	7.1
60°	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.6	7.6	7.5	7.4
58.75°	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
57.5°	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
56.25°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.7	8.6	8.6
55°	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.2	9.1	9.0	8.9
53.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3
52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
51.25°	10.2	10.1	10.1	10.0	9.8	9.7	9.6	9.6	9.6	9.6	9.6
50°	11.0	10.9	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.6
48.75°	12.1	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3
47.5°	13.3	13.2	13.0	12.8	12.6	12.4	12.2	11.9	11.6	11.3	11.1
46.25°	15.4	15.1	14.8	14.4	14.0	13.6	13.3	13.0	12.7	12.4	12.1
45°	17.8	17.5	17.2	16.8	16.4	15.9	15.3	14.7	14.1	13.5	13.2
43.75°	21.4	20.9	20.3	19.6	18.9	18.2	17.6	17.0	16.4	15.6	14.9
42.5°	25.3	24.8	24.2	23.5	22.7	21.8	20.9	19.8	18.7	17.9	17.1
41.25°	30.6	29.8	28.9	27.8	26.5	25.6	24.6	23.5	22.4	21.1	19.8
40°	36.6	35.7	34.7	33.6	32.3	30.9	29.3	27.6	26.0	24.7	23.3
38.75°	45.2	43.7	41.9	39.9	38.0	36.5	34.9	33.1	31.2	29.2	27.0
37.5°	55.0	53.5	51.7	49.6	47.2	44.6	41.8	38.7	36.6	34.5	32.3
36.25°	68.7	66.1	63.1	59.6	56.8	54.1	51.1	47.9	44.4	40.7	37.5
35°	84.5	81.8	78.6	75.0	70.9	66.4	61.4	57.0	53.4	49.5	45.5



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	104.5	100.4	95.6	90.3	86.0	81.3	76.1	70.6	64.6	58.3	54.1
32.5°	127.3	123.0	118.0	112.2	105.8	98.6	90.8	85.0	78.7	72.1	65.0
31.25°	158.8	151.2	142.4	134.3	127.5	120.1	111.9	103.1	93.7	85.8	78.5
30°	196.8	188.9	179.7	169.1	157.3	144.2	132.9	123.7	113.9	103.4	92.4
28.75°	241.6	230.4	217.4	205.7	193.3	179.7	164.8	148.7	133.9	123.0	111.5
27.5°	301.2	286.6	269.6	251.5	234.0	214.9	199.3	182.6	164.7	145.7	130.4
26.25°	371.1	353.6	333.7	311.0	288.0	262.9	239.9	216.4	197.4	177.7	156.9
25°	449.9	429.7	406.1	379.3	351.4	322.2	292.4	261.8	234.7	209.1	187.5
23.75°	531.0	507.9	482.2	454.0	422.6	388.2	352.7	317.2	282.4	248.6	218.4
22.5°	615.6	591.2	562.8	530.7	495.1	459.0	419.9	378.2	337.5	297.3	258.2
21.25°	703.0	674.2	644.0	610.1	572.5	531.4	487.8	444.1	397.9	351.2	306.4
20°	796.5	765.9	730.5	690.5	649.0	605.7	559.2	509.8	460.5	409.8	358.1
18.75°	891.5	856.9	819.3	777.0	730.2	679.5	629.9	578.1	523.5	468.7	413.8
17.5°	992.7	954.6	910.7	862.1	812.7	759.2	702.0	644.6	587.6	528.1	468.7
16.25°	1093.6	1052.5	1005.5	953.2	895.9	837.0	776.9	713.4	649.6	587.6	523.5
15°	1192.1	1149.1	1099.2	1043.0	982.2	916.8	849.3	782.8	713.4	644.6	578.1
13.75°	1284.7	1240.7	1189.5	1131.1	1066.1	996.9	923.9	849.3	776.9	702.0	629.9
12.5°	1365.4	1323.4	1273.5	1214.2	1147.0	1073.9	996.9	916.8	837.0	759.2	679.5
11.25°	1435.0	1394.9	1346.9	1290.3	1222.2	1147.0	1066.1	982.2	895.9	812.7	730.2
10°	1494.3	1456.0	1410.0	1354.8	1290.3	1214.2	1131.1	1043.0	953.2	862.1	777.0
8.75°	1546.5	1508.2	1463.1	1410.0	1346.9	1273.5	1189.5	1099.2	1005.5	910.7	819.3
7.5°	1592.1	1553.5	1508.2	1456.0	1394.9	1323.4	1240.7	1149.1	1052.5	954.6	856.9
6.25°	1630.7	1592.1	1546.5	1494.3	1435.0	1365.4	1284.7	1192.1	1093.6	992.7	891.5
5°	1663.4	1623.7	1578.3	1525.4	1466.1	1397.8	1318.5	1227.4	1128.0	1024.5	921.2
3.75°	1685.7	1648.3	1602.2	1549.6	1490.4	1423.9	1345.1	1254.8	1154.7	1049.9	944.7
2.5°	1700.0	1666.3	1619.9	1567.1	1507.4	1441.0	1364.3	1274.8	1174.0	1068.3	961.7
1.25°	1707.2	1675.7	1630.4	1577.8	1517.8	1451.3	1374.9	1286.9	1185.8	1079.5	972.0
0°	1709.7	1679.0	1633.8	1581.5	1521.3	1454.7	1378.5	1291.0	1189.7	1083.2	975.5
-1.25°	1707.2	1675.7	1630.4	1577.8	1517.8	1451.3	1374.9	1286.9	1185.8	1079.5	972.0
-2.5°	1700.0	1666.3	1619.9	1567.1	1507.4	1441.0	1364.3	1274.8	1174.0	1068.3	961.7
-3.75°	1685.7	1648.3	1602.2	1549.6	1490.4	1423.9	1345.1	1254.8	1154.7	1049.9	944.7
-5°	1663.4	1623.7	1578.3	1525.4	1466.1	1397.8	1318.5	1227.4	1128.0	1024.5	921.2
-6.25°	1630.7	1592.1	1546.5	1494.3	1435.0	1365.4	1284.7	1192.1	1093.6	992.7	891.5
-7.5°	1592.1	1553.5	1508.2	1456.0	1394.9	1323.4	1240.7	1149.1	1052.5	954.6	856.9
-8.75°	1546.5	1508.2	1463.1	1410.0	1346.9	1273.5	1189.5	1099.2	1005.5	910.7	819.3
-10°	1494.3	1456.0	1410.0	1354.8	1290.3	1214.2	1131.1	1043.0	953.2	862.1	777.0
-11.25°	1435.0	1394.9	1346.9	1290.3	1222.2	1147.0	1066.1	982.2	895.9	812.7	730.2
-12.5°	1365.4	1323.4	1273.5	1214.2	1147.0	1073.9	996.9	916.8	837.0	759.2	679.5
-13.75°	1284.7	1240.7	1189.5	1131.1	1066.1	996.9	923.9	849.3	776.9	702.0	629.9
-15°	1192.1	1149.1	1099.2	1043.0	982.2	916.8	849.3	782.8	713.4	644.6	578.1
-16.25°	1093.6	1052.5	1005.5	953.2	895.9	837.0	776.9	713.4	649.6	587.6	523.5
-17.5°	992.7	954.6	910.7	862.1	812.7	759.2	702.0	644.6	587.6	528.1	468.7
-18.75°	891.5	856.9	819.3	777.0	730.2	679.5	629.9	578.1	523.5	468.7	413.8
-20°	796.5	765.9	730.5	690.5	649.0	605.7	559.2	509.8	460.5	409.8	358.1
-21.25°	703.0	674.2	644.0	610.1	572.5	531.4	487.8	444.1	397.9	351.2	306.4



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	615.6	591.2	562.8	530.7	495.1	459.0	419.9	378.2	337.5	297.3	258.2
-23.75°	531.0	507.9	482.2	454.0	422.6	388.2	352.7	317.2	282.4	248.6	218.4
-25°	449.9	429.7	406.1	379.3	351.4	322.2	292.4	261.8	234.7	209.1	187.5
-26.25°	371.1	353.6	333.7	311.0	288.0	262.9	239.9	216.4	197.4	177.7	156.9
-27.5°	301.2	286.6	269.6	251.5	234.0	214.9	199.3	182.6	164.7	145.7	130.4
-28.75°	241.6	230.4	217.4	205.7	193.3	179.7	164.8	148.7	133.9	123.0	111.5
-30°	196.8	188.9	179.7	169.1	157.3	144.2	132.9	123.7	113.9	103.4	92.4
-31.25°	158.8	151.2	142.4	134.3	127.5	120.1	111.9	103.1	93.7	85.8	78.5
-32.5°	127.3	123.0	118.0	112.2	105.8	98.6	90.8	85.0	78.7	72.1	65.0
-33.75°	104.5	100.4	95.6	90.3	86.0	81.3	76.1	70.6	64.6	58.3	54.1
-35°	84.5	81.8	78.6	75.0	70.9	66.4	61.4	57.0	53.4	49.5	45.5
-36.25°	68.7	66.1	63.1	59.6	56.8	54.1	51.1	47.9	44.4	40.7	37.5
-37.5°	55.0	53.5	51.7	49.6	47.2	44.6	41.8	38.7	36.6	34.5	32.3
-38.75°	45.2	43.7	41.9	39.9	38.0	36.5	34.9	33.1	31.2	29.2	27.0
-40°	36.6	35.7	34.7	33.6	32.3	30.9	29.3	27.6	26.0	24.7	23.3
-41.25°	30.6	29.8	28.9	27.8	26.5	25.6	24.6	23.5	22.4	21.1	19.8
-42.5°	25.3	24.8	24.2	23.5	22.7	21.8	20.9	19.8	18.7	17.9	17.1
-43.75°	21.4	20.9	20.3	19.6	18.9	18.2	17.6	17.0	16.4	15.6	14.9
-45°	17.8	17.5	17.2	16.8	16.4	15.9	15.3	14.7	14.1	13.5	13.2
-46.25°	15.4	15.1	14.8	14.4	14.0	13.6	13.3	13.0	12.7	12.4	12.1
-47.5°	13.3	13.2	13.0	12.8	12.6	12.4	12.2	11.9	11.6	11.3	11.1
-48.75°	12.1	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.3
-50°	11.0	10.9	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.6
-51.25°	10.2	10.1	10.1	10.0	9.8	9.7	9.6	9.6	9.6	9.6	9.6
-52.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-53.75°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3
-55°	9.5	9.5	9.5	9.4	9.4	9.3	9.2	9.2	9.1	9.0	8.9
-56.25°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.7	8.6	8.6
-57.5°	8.7	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
-58.75°	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
-60°	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.6	7.6	7.5	7.4
-61.25°	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.2	7.1	7.1
-62.5°	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.8	6.7
-63.75°	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4
-65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-66.25°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-67.5°	6.4	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	6.0
-68.75°	6.0	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.6
-70°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2
-71.25°	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-73.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-75°	4.8	4.8	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5
-76.25°	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2
-77.5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4
-80°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-81.25°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-82.5°	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
81.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
80°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
78.75°	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
77.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4
76.25°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7
75°	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
73.75°	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.5	4.5	4.4	4.4
72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7
71.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
70°	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.8
68.75°	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9
67.5°	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2
66.25°	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.6
65°	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
63.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2
62.5°	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
61.25°	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.4	6.4	6.4
60°	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
58.75°	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7
57.5°	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.0
56.25°	8.5	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.6	7.5	7.3
55°	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.7
53.75°	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1	8.0
52.5°	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.6	8.4	8.3
51.25°	9.6	9.6	9.6	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.6
50°	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.2	9.1	8.9
48.75°	10.1	9.9	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.2
47.5°	10.8	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.6	9.6	9.5
46.25°	11.7	11.3	11.0	10.7	10.4	10.1	9.8	9.6	9.6	9.6	9.6
45°	12.8	12.4	12.0	11.5	11.1	10.8	10.5	10.1	9.8	9.6	9.6
43.75°	14.1	13.4	13.0	12.5	12.1	11.6	11.1	10.7	10.4	10.0	9.6
42.5°	16.3	15.4	14.5	13.5	13.1	12.5	12.0	11.5	11.0	10.6	10.2
41.25°	18.4	17.5	16.5	15.5	14.5	13.5	13.0	12.4	11.8	11.2	10.8
40°	21.8	20.3	18.7	17.6	16.5	15.4	14.2	13.3	12.7	12.1	11.4
38.75°	25.3	23.7	22.0	20.3	18.5	17.3	16.1	14.8	13.6	12.9	12.3
37.5°	29.9	27.4	25.3	23.5	21.6	19.7	18.0	16.7	15.4	14.0	13.1
36.25°	35.0	32.4	29.7	26.9	24.8	22.7	20.6	18.5	17.1	15.7	14.3
35°	41.2	37.4	34.6	31.6	28.6	25.8	23.6	21.4	19.1	17.4	15.9



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	49.6	44.9	40.0	36.4	33.2	30.0	26.6	24.3	21.9	19.5	17.6
32.5°	58.0	53.1	48.0	42.8	37.8	34.4	30.9	27.4	24.6	22.1	19.6
31.25°	70.8	62.8	55.9	50.5	44.8	39.0	35.2	31.5	27.8	24.8	22.1
30°	83.9	75.5	66.8	58.1	52.2	46.2	40.0	35.6	31.7	27.8	24.6
28.75°	99.5	88.1	79.1	69.7	60.1	53.3	46.9	40.4	35.6	31.5	27.4
27.5°	117.9	104.9	91.3	81.5	71.5	61.2	53.7	46.9	40.0	35.2	30.9
26.25°	136.0	122.5	108.5	94.0	82.7	72.1	61.2	53.3	46.2	39.0	34.4
25°	164.9	141.5	125.3	110.3	94.9	82.7	71.5	60.1	52.2	44.8	37.8
23.75°	194.1	169.8	144.7	126.2	110.3	94.0	81.5	69.7	58.1	50.5	42.8
22.5°	225.3	197.5	171.4	144.7	125.3	108.5	91.3	79.1	66.8	55.9	48.0
21.25°	264.1	227.6	197.5	169.8	141.5	122.5	104.9	88.1	75.5	62.8	53.1
20°	309.4	264.1	225.3	194.1	164.9	136.0	117.9	99.5	83.9	70.8	58.0
18.75°	358.1	306.4	258.2	218.4	187.5	156.9	130.4	111.5	92.4	78.5	65.0
17.5°	409.8	351.2	297.3	248.6	209.1	177.7	145.7	123.0	103.4	85.8	72.1
16.25°	460.5	397.9	337.5	282.4	234.7	197.4	164.7	133.9	113.9	93.7	78.7
15°	509.8	444.1	378.2	317.2	261.8	216.4	182.6	148.7	123.7	103.1	85.0
13.75°	559.2	487.8	419.9	352.7	292.4	239.9	199.3	164.8	132.9	111.9	90.8
12.5°	605.7	531.4	459.0	388.2	322.2	262.9	214.9	179.7	144.2	120.1	98.6
11.25°	649.0	572.5	495.1	422.6	351.4	288.0	234.0	193.3	157.3	127.5	105.8
10°	690.5	610.1	530.7	454.0	379.3	311.0	251.5	205.7	169.1	134.3	112.2
8.75°	730.5	644.0	562.8	482.2	406.1	333.7	269.6	217.4	179.7	142.4	118.0
7.5°	765.9	674.2	591.2	507.9	429.7	353.6	286.6	230.4	188.9	151.2	123.0
6.25°	796.5	703.0	615.6	531.0	449.9	371.1	301.2	241.6	196.8	158.8	127.3
5°	821.9	726.9	635.8	550.1	466.6	386.9	313.8	250.7	203.3	165.0	130.9
3.75°	842.0	745.8	651.7	565.1	479.7	399.4	324.2	258.2	208.4	169.8	133.6
2.5°	856.5	759.4	663.2	575.9	489.1	408.3	331.8	264.7	212.1	173.3	135.6
1.25°	865.3	767.6	670.1	582.4	494.8	413.7	336.3	268.5	214.3	175.4	136.8
0°	868.2	770.3	672.4	584.6	496.7	415.5	337.8	269.8	215.0	176.1	137.2
-1.25°	865.3	767.6	670.1	582.4	494.8	413.7	336.3	268.5	214.3	175.4	136.8
-2.5°	856.5	759.4	663.2	575.9	489.1	408.3	331.8	264.7	212.1	173.3	135.6
-3.75°	842.0	745.8	651.7	565.1	479.7	399.4	324.2	258.2	208.4	169.8	133.6
-5°	821.9	726.9	635.8	550.1	466.6	386.9	313.8	250.7	203.3	165.0	130.9
-6.25°	796.5	703.0	615.6	531.0	449.9	371.1	301.2	241.6	196.8	158.8	127.3
-7.5°	765.9	674.2	591.2	507.9	429.7	353.6	286.6	230.4	188.9	151.2	123.0
-8.75°	730.5	644.0	562.8	482.2	406.1	333.7	269.6	217.4	179.7	142.4	118.0
-10°	690.5	610.1	530.7	454.0	379.3	311.0	251.5	205.7	169.1	134.3	112.2
-11.25°	649.0	572.5	495.1	422.6	351.4	288.0	234.0	193.3	157.3	127.5	105.8
-12.5°	605.7	531.4	459.0	388.2	322.2	262.9	214.9	179.7	144.2	120.1	98.6
-13.75°	559.2	487.8	419.9	352.7	292.4	239.9	199.3	164.8	132.9	111.9	90.8
-15°	509.8	444.1	378.2	317.2	261.8	216.4	182.6	148.7	123.7	103.1	85.0
-16.25°	460.5	397.9	337.5	282.4	234.7	197.4	164.7	133.9	113.9	93.7	78.7
-17.5°	409.8	351.2	297.3	248.6	209.1	177.7	145.7	123.0	103.4	85.8	72.1
-18.75°	358.1	306.4	258.2	218.4	187.5	156.9	130.4	111.5	92.4	78.5	65.0
-20°	309.4	264.1	225.3	194.1	164.9	136.0	117.9	99.5	83.9	70.8	58.0
-21.25°	264.1	227.6	197.5	169.8	141.5	122.5	104.9	88.1	75.5	62.8	53.1



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	225.3	197.5	171.4	144.7	125.3	108.5	91.3	79.1	66.8	55.9	48.0
-23.75°	194.1	169.8	144.7	126.2	110.3	94.0	81.5	69.7	58.1	50.5	42.8
-25°	164.9	141.5	125.3	110.3	94.9	82.7	71.5	60.1	52.2	44.8	37.8
-26.25°	136.0	122.5	108.5	94.0	82.7	72.1	61.2	53.3	46.2	39.0	34.4
-27.5°	117.9	104.9	91.3	81.5	71.5	61.2	53.7	46.9	40.0	35.2	30.9
-28.75°	99.5	88.1	79.1	69.7	60.1	53.3	46.9	40.4	35.6	31.5	27.4
-30°	83.9	75.5	66.8	58.1	52.2	46.2	40.0	35.6	31.7	27.8	24.6
-31.25°	70.8	62.8	55.9	50.5	44.8	39.0	35.2	31.5	27.8	24.8	22.1
-32.5°	58.0	53.1	48.0	42.8	37.8	34.4	30.9	27.4	24.6	22.1	19.6
-33.75°	49.6	44.9	40.0	36.4	33.2	30.0	26.6	24.3	21.9	19.5	17.6
-35°	41.2	37.4	34.6	31.6	28.6	25.8	23.6	21.4	19.1	17.4	15.9
-36.25°	35.0	32.4	29.7	26.9	24.8	22.7	20.6	18.5	17.1	15.7	14.3
-37.5°	29.9	27.4	25.3	23.5	21.6	19.7	18.0	16.7	15.4	14.0	13.1
-38.75°	25.3	23.7	22.0	20.3	18.5	17.3	16.1	14.8	13.6	12.9	12.3
-40°	21.8	20.3	18.7	17.6	16.5	15.4	14.2	13.3	12.7	12.1	11.4
-41.25°	18.4	17.5	16.5	15.5	14.5	13.5	13.0	12.4	11.8	11.2	10.8
-42.5°	16.3	15.4	14.5	13.5	13.1	12.5	12.0	11.5	11.0	10.6	10.2
-43.75°	14.1	13.4	13.0	12.5	12.1	11.6	11.1	10.7	10.4	10.0	9.6
-45°	12.8	12.4	12.0	11.5	11.1	10.8	10.5	10.1	9.8	9.6	9.6
-46.25°	11.7	11.3	11.0	10.7	10.4	10.1	9.8	9.6	9.6	9.6	9.6
-47.5°	10.8	10.6	10.3	10.0	9.8	9.6	9.6	9.6	9.6	9.6	9.5
-48.75°	10.1	9.9	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.2
-50°	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.2	9.1	8.9
-51.25°	9.6	9.6	9.6	9.6	9.5	9.3	9.2	9.1	8.9	8.8	8.6
-52.5°	9.6	9.5	9.4	9.2	9.1	9.0	8.9	8.7	8.6	8.4	8.3
-53.75°	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1	8.0
-55°	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9	7.8	7.7
-56.25°	8.5	8.4	8.3	8.2	8.1	8.0	7.8	7.7	7.6	7.5	7.3
-57.5°	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.0
-58.75°	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1	6.9	6.8	6.7
-60°	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
-61.25°	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.4	6.4	6.4
-62.5°	6.6	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
-63.75°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2
-65°	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
-66.25°	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.6
-67.5°	5.9	5.9	5.8	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2
-68.75°	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9
-70°	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.8	4.8
-71.25°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-72.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7
-73.75°	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.5	4.5	4.4	4.4
-75°	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
-76.25°	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.7
-77.5°	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.5	3.4	3.4



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
-80°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
-81.25°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-82.5°	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
-83.75°	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
-85°	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3
-86.25°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
80°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2
78.75°	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.6	2.5	2.5
77.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8
76.25°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0
75°	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3
73.75°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6
72.5°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8
71.25°	4.8	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1
70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4
68.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6
67.5°	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
66.25°	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.8	4.8	4.8	4.8
65°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.8
63.75°	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.0	4.9
62.5°	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.2
61.25°	6.4	6.4	6.4	6.4	6.3	6.1	6.0	5.8	5.7	5.6	5.4
60°	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.1	6.0	5.8	5.7
58.75°	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1	5.9
57.5°	6.9	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.2
56.25°	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4
55°	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.4	6.4	6.4
53.75°	7.8	7.7	7.5	7.4	7.2	7.0	6.8	6.7	6.5	6.4	6.4
52.5°	8.1	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.6	6.4
51.25°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6
50°	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.5	7.3	7.1	6.8
48.75°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1
47.5°	9.3	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.7	7.5	7.3
46.25°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.5
45°	9.6	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.2	8.0	7.8
43.75°	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.5	8.2	8.0
42.5°	9.8	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.5	8.2
41.25°	10.4	9.9	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.4
40°	10.9	10.5	10.0	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.6
38.75°	11.6	11.0	10.5	10.1	9.6	9.6	9.6	9.6	9.4	9.1	8.8
37.5°	12.4	11.7	11.1	10.6	10.1	9.6	9.6	9.6	9.6	9.3	9.0
36.25°	13.2	12.5	11.7	11.1	10.5	10.0	9.6	9.6	9.6	9.5	9.2
35°	14.4	13.3	12.5	11.7	11.0	10.5	9.9	9.6	9.6	9.6	9.4



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	16.0	14.4	13.2	12.4	11.6	10.9	10.4	9.8	9.6	9.6	9.6
32.5°	17.6	15.9	14.3	13.1	12.3	11.4	10.8	10.2	9.6	9.6	9.6
31.25°	19.5	17.4	15.7	14.0	12.9	12.1	11.2	10.6	10.0	9.6	9.6
30°	21.9	19.1	17.1	15.4	13.6	12.7	11.8	11.0	10.4	9.8	9.6
28.75°	24.3	21.4	18.5	16.7	14.8	13.3	12.4	11.5	10.7	10.1	9.6
27.5°	26.6	23.6	20.6	18.0	16.1	14.2	13.0	12.0	11.1	10.5	9.8
26.25°	30.0	25.8	22.7	19.7	17.3	15.4	13.5	12.5	11.6	10.8	10.1
25°	33.2	28.6	24.8	21.6	18.5	16.5	14.5	13.1	12.1	11.1	10.4
23.75°	36.4	31.6	26.9	23.5	20.3	17.6	15.5	13.5	12.5	11.5	10.7
22.5°	40.0	34.6	29.7	25.3	22.0	18.7	16.5	14.5	13.0	12.0	11.0
21.25°	44.9	37.4	32.4	27.4	23.7	20.3	17.5	15.4	13.4	12.4	11.3
20°	49.6	41.2	35.0	29.9	25.3	21.8	18.4	16.3	14.1	12.8	11.7
18.75°	54.1	45.5	37.5	32.3	27.0	23.3	19.8	17.1	14.9	13.2	12.1
17.5°	58.3	49.5	40.7	34.5	29.2	24.7	21.1	17.9	15.6	13.5	12.4
16.25°	64.6	53.4	44.4	36.6	31.2	26.0	22.4	18.7	16.4	14.1	12.7
15°	70.6	57.0	47.9	38.7	33.1	27.6	23.5	19.8	17.0	14.7	13.0
13.75°	76.1	61.4	51.1	41.8	34.9	29.3	24.6	20.9	17.6	15.3	13.3
12.5°	81.3	66.4	54.1	44.6	36.5	30.9	25.6	21.8	18.2	15.9	13.6
11.25°	86.0	70.9	56.8	47.2	38.0	32.3	26.5	22.7	18.9	16.4	14.0
10°	90.3	75.0	59.6	49.6	39.9	33.6	27.8	23.5	19.6	16.8	14.4
8.75°	95.6	78.6	63.1	51.7	41.9	34.7	28.9	24.2	20.3	17.2	14.8
7.5°	100.4	81.8	66.1	53.5	43.7	35.7	29.8	24.8	20.9	17.5	15.1
6.25°	104.5	84.5	68.7	55.0	45.2	36.6	30.6	25.3	21.4	17.8	15.4
5°	107.9	86.7	70.8	56.3	46.4	37.3	31.3	25.7	21.8	18.1	15.6
3.75°	110.5	88.5	72.5	57.3	47.3	37.8	31.8	26.1	22.1	18.3	15.8
2.5°	112.4	89.7	73.7	58.0	48.0	38.2	32.2	26.3	22.3	18.4	15.9
1.25°	113.6	90.5	74.4	58.5	48.4	38.4	32.4	26.5	22.5	18.5	16.0
0°	114.0	90.7	74.7	58.6	48.6	38.5	32.5	26.5	22.5	18.5	16.1
-1.25°	113.6	90.5	74.4	58.5	48.4	38.4	32.4	26.5	22.5	18.5	16.0
-2.5°	112.4	89.7	73.7	58.0	48.0	38.2	32.2	26.3	22.3	18.4	15.9
-3.75°	110.5	88.5	72.5	57.3	47.3	37.8	31.8	26.1	22.1	18.3	15.8
-5°	107.9	86.7	70.8	56.3	46.4	37.3	31.3	25.7	21.8	18.1	15.6
-6.25°	104.5	84.5	68.7	55.0	45.2	36.6	30.6	25.3	21.4	17.8	15.4
-7.5°	100.4	81.8	66.1	53.5	43.7	35.7	29.8	24.8	20.9	17.5	15.1
-8.75°	95.6	78.6	63.1	51.7	41.9	34.7	28.9	24.2	20.3	17.2	14.8
-10°	90.3	75.0	59.6	49.6	39.9	33.6	27.8	23.5	19.6	16.8	14.4
-11.25°	86.0	70.9	56.8	47.2	38.0	32.3	26.5	22.7	18.9	16.4	14.0
-12.5°	81.3	66.4	54.1	44.6	36.5	30.9	25.6	21.8	18.2	15.9	13.6
-13.75°	76.1	61.4	51.1	41.8	34.9	29.3	24.6	20.9	17.6	15.3	13.3
-15°	70.6	57.0	47.9	38.7	33.1	27.6	23.5	19.8	17.0	14.7	13.0
-16.25°	64.6	53.4	44.4	36.6	31.2	26.0	22.4	18.7	16.4	14.1	12.7
-17.5°	58.3	49.5	40.7	34.5	29.2	24.7	21.1	17.9	15.6	13.5	12.4
-18.75°	54.1	45.5	37.5	32.3	27.0	23.3	19.8	17.1	14.9	13.2	12.1
-20°	49.6	41.2	35.0	29.9	25.3	21.8	18.4	16.3	14.1	12.8	11.7
-21.25°	44.9	37.4	32.4	27.4	23.7	20.3	17.5	15.4	13.4	12.4	11.3



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	40.0	34.6	29.7	25.3	22.0	18.7	16.5	14.5	13.0	12.0	11.0
-23.75°	36.4	31.6	26.9	23.5	20.3	17.6	15.5	13.5	12.5	11.5	10.7
-25°	33.2	28.6	24.8	21.6	18.5	16.5	14.5	13.1	12.1	11.1	10.4
-26.25°	30.0	25.8	22.7	19.7	17.3	15.4	13.5	12.5	11.6	10.8	10.1
-27.5°	26.6	23.6	20.6	18.0	16.1	14.2	13.0	12.0	11.1	10.5	9.8
-28.75°	24.3	21.4	18.5	16.7	14.8	13.3	12.4	11.5	10.7	10.1	9.6
-30°	21.9	19.1	17.1	15.4	13.6	12.7	11.8	11.0	10.4	9.8	9.6
-31.25°	19.5	17.4	15.7	14.0	12.9	12.1	11.2	10.6	10.0	9.6	9.6
-32.5°	17.6	15.9	14.3	13.1	12.3	11.4	10.8	10.2	9.6	9.6	9.6
-33.75°	16.0	14.4	13.2	12.4	11.6	10.9	10.4	9.8	9.6	9.6	9.6
-35°	14.4	13.3	12.5	11.7	11.0	10.5	9.9	9.6	9.6	9.6	9.4
-36.25°	13.2	12.5	11.7	11.1	10.5	10.0	9.6	9.6	9.6	9.5	9.2
-37.5°	12.4	11.7	11.1	10.6	10.1	9.6	9.6	9.6	9.6	9.3	9.0
-38.75°	11.6	11.0	10.5	10.1	9.6	9.6	9.6	9.6	9.4	9.1	8.8
-40°	10.9	10.5	10.0	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.6
-41.25°	10.4	9.9	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.4
-42.5°	9.8	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.5	8.2
-43.75°	9.6	9.6	9.6	9.6	9.4	9.2	8.9	8.7	8.5	8.2	8.0
-45°	9.6	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.2	8.0	7.8
-46.25°	9.6	9.4	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.8	7.5
-47.5°	9.3	9.2	9.0	8.8	8.6	8.4	8.2	8.0	7.7	7.5	7.3
-48.75°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.3	7.1
-50°	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.5	7.3	7.1	6.8
-51.25°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8	6.6
-52.5°	8.1	8.0	7.8	7.6	7.5	7.3	7.1	6.9	6.7	6.6	6.4
-53.75°	7.8	7.7	7.5	7.4	7.2	7.0	6.8	6.7	6.5	6.4	6.4
-55°	7.5	7.4	7.2	7.1	6.9	6.7	6.6	6.4	6.4	6.4	6.4
-56.25°	7.2	7.1	6.9	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4
-57.5°	6.9	6.8	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.3	6.2
-58.75°	6.6	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1	5.9
-60°	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.1	6.0	5.8	5.7
-61.25°	6.4	6.4	6.4	6.4	6.3	6.1	6.0	5.8	5.7	5.6	5.4
-62.5°	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6	5.4	5.3	5.2
-63.75°	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.0	4.9
-65°	5.8	5.7	5.6	5.5	5.4	5.2	5.1	5.0	4.9	4.8	4.8
-66.25°	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.8	4.8	4.8	4.8
-67.5°	5.1	5.0	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-68.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6
-70°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4
-71.25°	4.8	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1
-72.5°	4.6	4.6	4.5	4.4	4.3	4.3	4.2	4.1	4.0	3.9	3.8
-73.75°	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6
-75°	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4	3.3
-76.25°	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.0
-77.5°	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8	2.8



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.6	2.6	2.5	2.5
-80°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2
-81.25°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
-82.5°	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7
-83.75°	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.4
-85°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-86.25°	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	9.3	9.0	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.6	6.4
32.5°	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.7	6.4
31.25°	9.6	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.8	6.5
30°	9.6	9.5	9.2	8.9	8.6	8.3	7.9	7.6	7.3	6.9	6.6
28.75°	9.6	9.6	9.4	9.1	8.7	8.4	8.1	7.7	7.4	7.1	6.7
27.5°	9.6	9.6	9.5	9.2	8.9	8.5	8.2	7.8	7.5	7.2	6.8
26.25°	9.6	9.6	9.6	9.3	9.0	8.6	8.3	8.0	7.6	7.3	6.9
25°	9.8	9.6	9.6	9.5	9.1	8.8	8.4	8.1	7.7	7.4	7.0
23.75°	10.0	9.6	9.6	9.6	9.2	8.9	8.5	8.2	7.8	7.5	7.1
22.5°	10.3	9.6	9.6	9.6	9.4	9.0	8.6	8.3	7.9	7.6	7.2
21.25°	10.6	9.9	9.6	9.6	9.5	9.1	8.7	8.4	8.0	7.7	7.3
20°	10.8	10.1	9.6	9.6	9.6	9.2	8.8	8.5	8.1	7.7	7.4
18.75°	11.1	10.3	9.6	9.6	9.6	9.3	8.9	8.6	8.2	7.8	7.4
17.5°	11.3	10.5	9.8	9.6	9.6	9.4	9.0	8.6	8.3	7.9	7.5
16.25°	11.6	10.7	10.0	9.6	9.6	9.5	9.1	8.7	8.3	8.0	7.6
15°	11.9	10.9	10.2	9.6	9.6	9.5	9.2	8.8	8.4	8.0	7.6
13.75°	12.2	11.1	10.3	9.6	9.6	9.6	9.2	8.9	8.5	8.1	7.7
12.5°	12.4	11.3	10.5	9.7	9.6	9.6	9.3	8.9	8.5	8.1	7.8
11.25°	12.6	11.5	10.6	9.8	9.6	9.6	9.4	9.0	8.6	8.2	7.8
10°	12.8	11.7	10.7	10.0	9.6	9.6	9.4	9.0	8.6	8.2	7.8
8.75°	13.0	11.8	10.8	10.1	9.6	9.6	9.5	9.1	8.7	8.3	7.9
7.5°	13.2	12.0	10.9	10.1	9.6	9.6	9.5	9.1	8.7	8.3	7.9
6.25°	13.3	12.1	11.0	10.2	9.6	9.6	9.5	9.1	8.7	8.3	7.9
5°	13.4	12.2	11.1	10.3	9.6	9.6	9.6	9.2	8.8	8.4	8.0
3.75°	13.5	12.3	11.1	10.3	9.6	9.6	9.6	9.2	8.8	8.4	8.0
2.5°	13.6	12.4	11.2	10.4	9.6	9.6	9.6	9.2	8.8	8.4	8.0
1.25°	13.6	12.4	11.2	10.4	9.6	9.6	9.6	9.2	8.8	8.4	8.0
0°	13.6	12.4	11.2	10.4	9.6	9.6	9.6	9.2	8.8	8.4	8.0
-1.25°	13.6	12.4	11.2	10.4	9.6	9.6	9.6	9.2	8.8	8.4	8.0
-2.5°	13.6	12.4	11.2	10.4	9.6	9.6	9.6	9.2	8.8	8.4	8.0
-3.75°	13.5	12.3	11.1	10.3	9.6	9.6	9.6	9.2	8.8	8.4	8.0
-5°	13.4	12.2	11.1	10.3	9.6	9.6	9.6	9.2	8.8	8.4	8.0
-6.25°	13.3	12.1	11.0	10.2	9.6	9.6	9.5	9.1	8.7	8.3	7.9
-7.5°	13.2	12.0	10.9	10.1	9.6	9.6	9.5	9.1	8.7	8.3	7.9
-8.75°	13.0	11.8	10.8	10.1	9.6	9.6	9.5	9.1	8.7	8.3	7.9
-10°	12.8	11.7	10.7	10.0	9.6	9.6	9.4	9.0	8.6	8.2	7.8
-11.25°	12.6	11.5	10.6	9.8	9.6	9.6	9.4	9.0	8.6	8.2	7.8
-12.5°	12.4	11.3	10.5	9.7	9.6	9.6	9.3	8.9	8.5	8.1	7.8
-13.75°	12.2	11.1	10.3	9.6	9.6	9.6	9.2	8.9	8.5	8.1	7.7
-15°	11.9	10.9	10.2	9.6	9.6	9.5	9.2	8.8	8.4	8.0	7.6
-16.25°	11.6	10.7	10.0	9.6	9.6	9.5	9.1	8.7	8.3	8.0	7.6
-17.5°	11.3	10.5	9.8	9.6	9.6	9.4	9.0	8.6	8.3	7.9	7.5
-18.75°	11.1	10.3	9.6	9.6	9.6	9.3	8.9	8.6	8.2	7.8	7.4
-20°	10.8	10.1	9.6	9.6	9.6	9.2	8.8	8.5	8.1	7.7	7.4
-21.25°	10.6	9.9	9.6	9.6	9.5	9.1	8.7	8.4	8.0	7.7	7.3



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	10.3	9.6	9.6	9.6	9.4	9.0	8.6	8.3	7.9	7.6	7.2
-23.75°	10.0	9.6	9.6	9.6	9.2	8.9	8.5	8.2	7.8	7.5	7.1
-25°	9.8	9.6	9.6	9.5	9.1	8.8	8.4	8.1	7.7	7.4	7.0
-26.25°	9.6	9.6	9.6	9.3	9.0	8.6	8.3	8.0	7.6	7.3	6.9
-27.5°	9.6	9.6	9.5	9.2	8.9	8.5	8.2	7.8	7.5	7.2	6.8
-28.75°	9.6	9.6	9.4	9.1	8.7	8.4	8.1	7.7	7.4	7.1	6.7
-30°	9.6	9.5	9.2	8.9	8.6	8.3	7.9	7.6	7.3	6.9	6.6
-31.25°	9.6	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.8	6.5
-32.5°	9.5	9.2	8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.7	6.4
-33.75°	9.3	9.0	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.6	6.4
-35°	9.2	8.9	8.6	8.3	8.0	7.7	7.4	7.1	6.8	6.4	6.4
-36.25°	9.0	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.6	6.4	6.4
-37.5°	8.8	8.5	8.2	7.9	7.6	7.4	7.1	6.8	6.5	6.4	6.4
-38.75°	8.6	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.4	6.4	6.4
-40°	8.4	8.1	7.8	7.6	7.3	7.0	6.7	6.5	6.4	6.4	6.4
-41.25°	8.2	7.9	7.6	7.4	7.1	6.8	6.6	6.4	6.4	6.4	6.3
-42.5°	8.0	7.7	7.5	7.2	6.9	6.7	6.4	6.4	6.4	6.4	6.1
-43.75°	7.7	7.5	7.3	7.0	6.7	6.5	6.4	6.4	6.4	6.2	6.0
-45°	7.5	7.3	7.1	6.8	6.6	6.4	6.4	6.4	6.3	6.1	5.8
-46.25°	7.3	7.1	6.8	6.6	6.4	6.4	6.4	6.4	6.2	5.9	5.7
-47.5°	7.1	6.9	6.6	6.4	6.4	6.4	6.4	6.3	6.0	5.8	5.5
-48.75°	6.9	6.6	6.4	6.4	6.4	6.4	6.3	6.1	5.8	5.6	5.4
-50°	6.6	6.4	6.4	6.4	6.4	6.3	6.1	5.9	5.7	5.4	5.2
-51.25°	6.4	6.4	6.4	6.4	6.4	6.2	5.9	5.7	5.5	5.3	5.0
-52.5°	6.4	6.4	6.4	6.4	6.2	6.0	5.7	5.5	5.3	5.1	4.9
-53.75°	6.4	6.4	6.3	6.2	6.0	5.7	5.5	5.3	5.1	4.9	4.8
-55°	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9	4.8	4.8
-56.25°	6.3	6.1	5.9	5.7	5.5	5.3	5.1	5.0	4.8	4.8	4.8
-57.5°	6.0	5.8	5.7	5.5	5.3	5.1	4.9	4.8	4.8	4.8	4.8
-58.75°	5.8	5.6	5.4	5.3	5.1	4.9	4.8	4.8	4.8	4.8	4.8
-60°	5.5	5.4	5.2	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.6
-61.25°	5.3	5.1	5.0	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.5
-62.5°	5.0	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.4	4.3
-63.75°	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.4	4.2	4.1
-65°	4.8	4.8	4.8	4.8	4.8	4.6	4.5	4.3	4.2	4.1	3.9
-66.25°	4.8	4.8	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.9	3.7
-67.5°	4.8	4.7	4.6	4.4	4.3	4.2	4.1	3.9	3.8	3.7	3.5
-68.75°	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.3
-70°	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.4	3.3	3.2
-71.25°	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0
-72.5°	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-73.75°	3.5	3.4	3.3	3.2	3.1	3.0	3.0	2.9	2.8	2.7	2.6
-75°	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4
-76.25°	3.0	2.9	2.8	2.7	2.7	2.6	2.5	2.4	2.3	2.3	2.2
-77.5°	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1	2.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	2.4	2.4	2.3	2.2	2.2	2.1	2.1	2.0	1.9	1.9	1.8
-80°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-81.25°	1.9	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.4	1.4
-82.5°	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.3	1.2	1.2
-83.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0
-85°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	6.4	6.4	6.1	5.8	5.5	5.1	4.8	4.8	4.8	4.6	4.3
32.5°	6.4	6.4	6.2	5.9	5.6	5.2	4.9	4.8	4.8	4.7	4.4
31.25°	6.4	6.4	6.3	6.0	5.6	5.3	5.0	4.8	4.8	4.8	4.4
30°	6.4	6.4	6.4	6.1	5.7	5.4	5.1	4.8	4.8	4.8	4.5
28.75°	6.4	6.4	6.4	6.2	5.8	5.5	5.1	4.8	4.8	4.8	4.5
27.5°	6.5	6.4	6.4	6.2	5.9	5.5	5.2	4.9	4.8	4.8	4.6
26.25°	6.6	6.4	6.4	6.3	6.0	5.6	5.3	4.9	4.8	4.8	4.7
25°	6.7	6.4	6.4	6.4	6.1	5.7	5.3	5.0	4.8	4.8	4.7
23.75°	6.8	6.4	6.4	6.4	6.1	5.8	5.4	5.0	4.8	4.8	4.7
22.5°	6.8	6.5	6.4	6.4	6.2	5.8	5.5	5.1	4.8	4.8	4.8
21.25°	6.9	6.6	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8	4.8
20°	7.0	6.6	6.4	6.4	6.3	5.9	5.6	5.2	4.8	4.8	4.8
18.75°	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.2	4.9	4.8	4.8
17.5°	7.1	6.8	6.4	6.4	6.4	6.0	5.7	5.3	4.9	4.8	4.8
16.25°	7.2	6.8	6.4	6.4	6.4	6.1	5.7	5.3	5.0	4.8	4.8
15°	7.3	6.9	6.5	6.4	6.4	6.1	5.8	5.4	5.0	4.8	4.8
13.75°	7.3	6.9	6.5	6.4	6.4	6.2	5.8	5.4	5.0	4.8	4.8
12.5°	7.4	7.0	6.6	6.4	6.4	6.2	5.8	5.4	5.1	4.8	4.8
11.25°	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
10°	7.4	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
8.75°	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
7.5°	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
6.25°	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
5°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
3.75°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
2.5°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
1.25°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
0°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-1.25°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-2.5°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-3.75°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-5°	7.6	7.2	6.8	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-6.25°	7.5	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.2	4.8	4.8
-7.5°	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
-8.75°	7.5	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
-10°	7.4	7.1	6.7	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
-11.25°	7.4	7.0	6.6	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8
-12.5°	7.4	7.0	6.6	6.4	6.4	6.2	5.8	5.4	5.1	4.8	4.8
-13.75°	7.3	6.9	6.5	6.4	6.4	6.2	5.8	5.4	5.0	4.8	4.8
-15°	7.3	6.9	6.5	6.4	6.4	6.1	5.8	5.4	5.0	4.8	4.8
-16.25°	7.2	6.8	6.4	6.4	6.4	6.1	5.7	5.3	5.0	4.8	4.8
-17.5°	7.1	6.8	6.4	6.4	6.4	6.0	5.7	5.3	4.9	4.8	4.8
-18.75°	7.1	6.7	6.4	6.4	6.4	6.0	5.6	5.2	4.9	4.8	4.8
-20°	7.0	6.6	6.4	6.4	6.3	5.9	5.6	5.2	4.8	4.8	4.8
-21.25°	6.9	6.6	6.4	6.4	6.3	5.9	5.5	5.1	4.8	4.8	4.8



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	4.0	3.6	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
32.5°	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.3	1.0	0.7
31.25°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
30°	4.1	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
28.75°	4.2	3.8	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
27.5°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
26.25°	4.3	3.9	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
25°	4.3	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
23.75°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.8	1.5	1.1	0.7
22.5°	4.4	4.1	3.7	3.3	3.0	2.6	2.2	1.8	1.5	1.1	0.7
21.25°	4.5	4.1	3.7	3.4	3.0	2.6	2.2	1.9	1.5	1.1	0.7
20°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8
18.75°	4.5	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
17.5°	4.6	4.2	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.8
16.25°	4.6	4.2	3.8	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
15°	4.6	4.2	3.9	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
13.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
12.5°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.8
11.25°	4.7	4.3	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
10°	4.7	4.3	3.9	3.5	3.2	2.8	2.4	2.0	1.6	1.2	0.8
8.75°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
7.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
6.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
3.75°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
2.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
1.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
0°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-1.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-2.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-3.75°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-6.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-7.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-8.75°	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-10°	4.7	4.3	3.9	3.5	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-11.25°	4.7	4.3	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
-12.5°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.8
-13.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
-15°	4.6	4.2	3.9	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-16.25°	4.6	4.2	3.8	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8
-17.5°	4.6	4.2	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.1	0.8
-18.75°	4.5	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-20°	4.5	4.1	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.8
-21.25°	4.5	4.1	3.7	3.4	3.0	2.6	2.2	1.9	1.5	1.1	0.7



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	4.4	4.1	3.7	3.3	3.0	2.6	2.2	1.8	1.5	1.1	0.7
-23.75°	4.4	4.0	3.7	3.3	2.9	2.6	2.2	1.8	1.5	1.1	0.7
-25°	4.3	4.0	3.6	3.3	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-26.25°	4.3	3.9	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-27.5°	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-28.75°	4.2	3.8	3.5	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.7
-30°	4.1	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
-31.25°	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
-32.5°	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.3	1.0	0.7
-33.75°	4.0	3.6	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
-35°	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
-36.25°	3.9	3.5	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.6
-37.5°	3.8	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.3	1.0	0.6
-38.75°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-40°	3.7	3.4	3.1	2.8	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-41.25°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-42.5°	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-43.75°	3.4	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
-45°	3.4	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.6
-46.25°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-47.5°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-48.75°	3.1	2.9	2.6	2.4	2.1	1.8	1.6	1.3	1.1	0.8	0.5
-50°	3.1	2.8	2.6	2.3	2.1	1.8	1.5	1.3	1.0	0.8	0.5
-51.25°	3.0	2.7	2.5	2.2	2.0	1.7	1.5	1.3	1.0	0.8	0.5
-52.5°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-53.75°	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
-55°	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
-56.25°	2.6	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.4
-57.5°	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-58.75°	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-60°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-61.25°	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
-62.5°	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
-63.75°	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4
-65°	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.3
-66.25°	1.9	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-67.5°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-68.75°	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-70°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-71.25°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-72.5°	1.4	1.3	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.1	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.0	0.9	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.3	0.0
32.5°	0.3	0.0
31.25°	0.3	0.0
30°	0.3	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.4	0.0
23.75°	0.4	0.0
22.5°	0.4	0.0
21.25°	0.4	0.0
20°	0.4	0.0
18.75°	0.4	0.0
17.5°	0.4	0.0
16.25°	0.4	0.0
15°	0.4	0.0
13.75°	0.4	0.0
12.5°	0.4	0.0
11.25°	0.4	0.0
10°	0.4	0.0
8.75°	0.4	0.0
7.5°	0.4	0.0
6.25°	0.4	0.0
5°	0.4	0.0
3.75°	0.4	0.0
2.5°	0.4	0.0
1.25°	0.4	0.0
0°	0.4	0.0
-1.25°	0.4	0.0
-2.5°	0.4	0.0
-3.75°	0.4	0.0
-5°	0.4	0.0
-6.25°	0.4	0.0
-7.5°	0.4	0.0
-8.75°	0.4	0.0
-10°	0.4	0.0
-11.25°	0.4	0.0
-12.5°	0.4	0.0
-13.75°	0.4	0.0
-15°	0.4	0.0
-16.25°	0.4	0.0
-17.5°	0.4	0.0
-18.75°	0.4	0.0
-20°	0.4	0.0
-21.25°	0.4	0.0



REPORT NUMBER: P220322 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)