

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: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

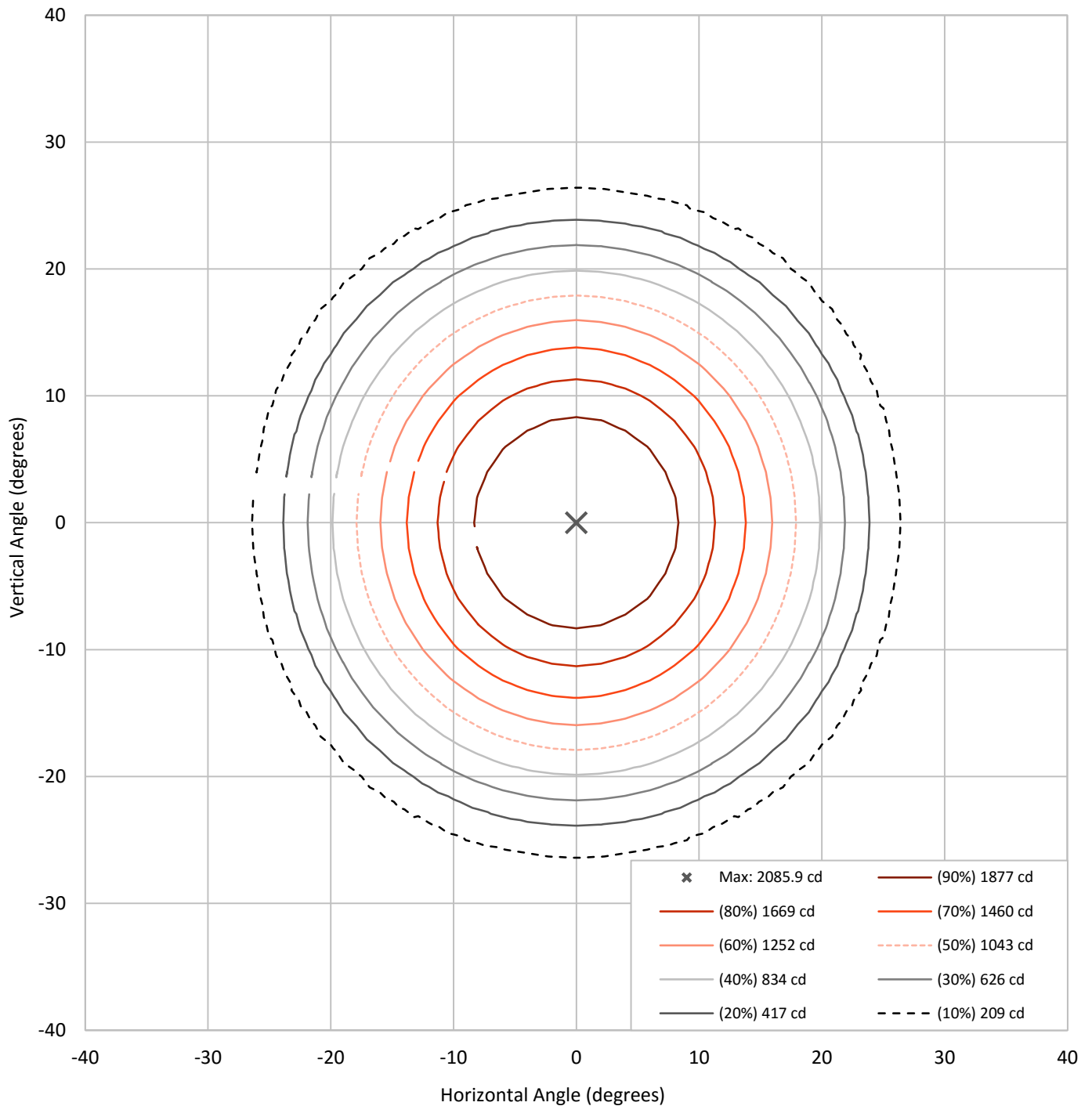
Test Method: LM-79-08
Report Number: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/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:	812.1 lumens	Max Intensity:	2085.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	82.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	477.5 lumens	Field Lumens:	678.2 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





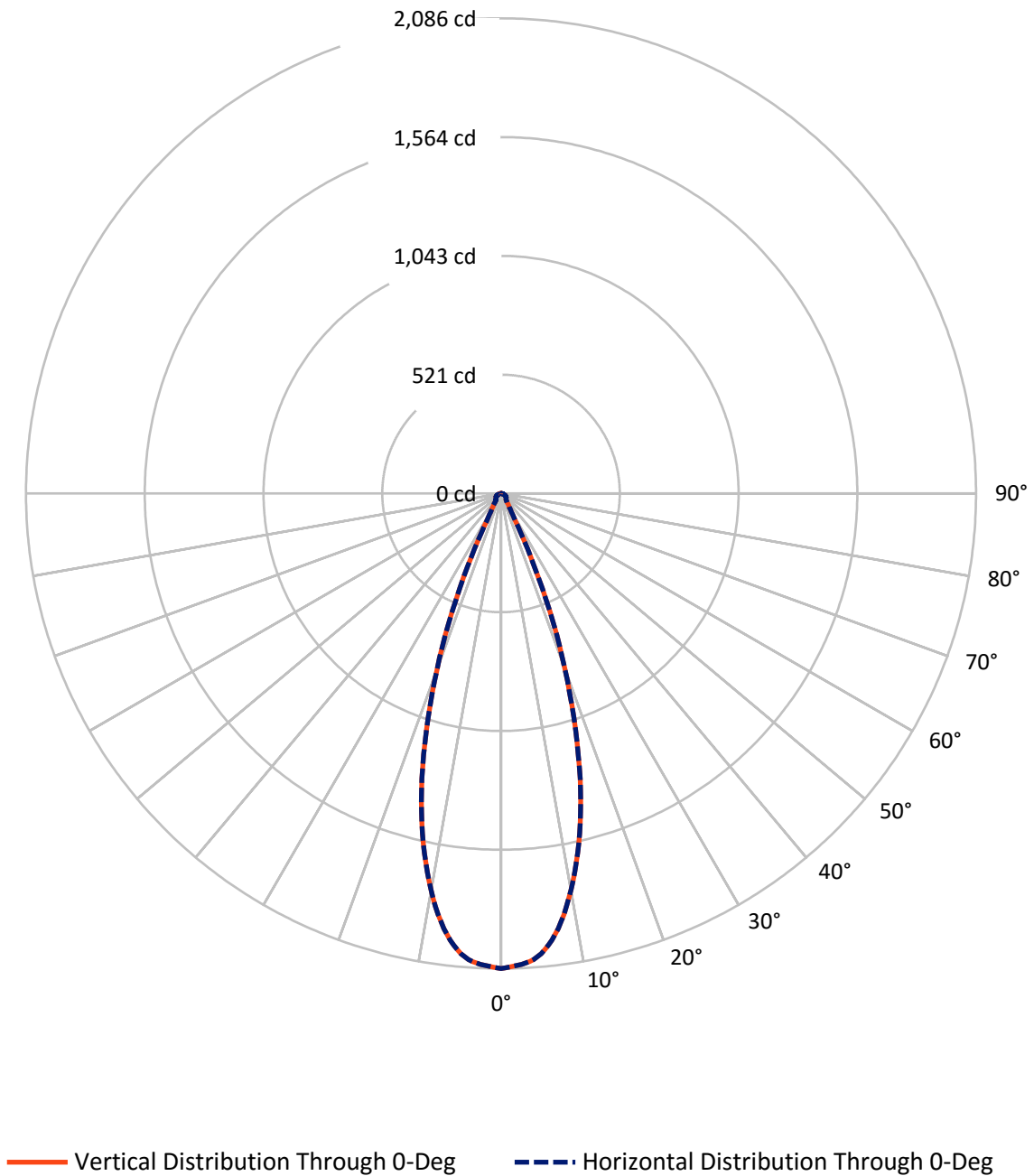
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Lumen Table

90																			
80	0.0	0.2		0.4		0.6		0.7		0.6		0.4		0.2		0.0			
70																			
60	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
50		0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1				
40	0.1	0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1	0.1			
30		0.2	0.4	0.6	0.8	0.9	1.2	1.4	1.4	1.2	0.9	0.8	0.6	0.4	0.2				
20	0.2	0.2	0.4	0.6	0.8	1.4	4.1	9.6	9.6	4.1	1.4	0.8	0.6	0.4	0.2	0.2			
10		0.2	0.5	0.7	1.0	3.8	20.4	37.2	37.2	20.4	3.8	1.0	0.7	0.5	0.2				
0	0.2	0.2	0.5	0.7	1.2	8.8	36.1	57.1	57.1	36.1	8.8	1.2	0.7	0.5	0.2	0.2			
-10		0.2	0.5	0.7	1.2	8.8	36.1	57.1	57.1	36.1	8.8	1.2	0.7	0.5	0.2				
-20	0.2	0.2	0.5	0.7	1.0	3.8	20.4	37.2	37.2	20.4	3.8	1.0	0.7	0.5	0.2	0.2			
-30		0.2	0.4	0.6	0.8	1.4	4.1	9.6	9.6	4.1	1.4	0.8	0.6	0.4	0.2				
-40	0.1	0.2	0.4	0.6	0.8	0.9	1.2	1.4	1.4	1.2	0.9	0.8	0.6	0.4	0.2	0.1			
-50		0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1				
-60	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.1			
-70		0.1	0.1	0.2	0.3	0.4	0.5	0.5	0.5	0.5	0.4	0.3	0.2	0.1	0.1				
-80																			
-90	0.0	0.2		0.4		0.6		0.7		0.6		0.4		0.2		0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

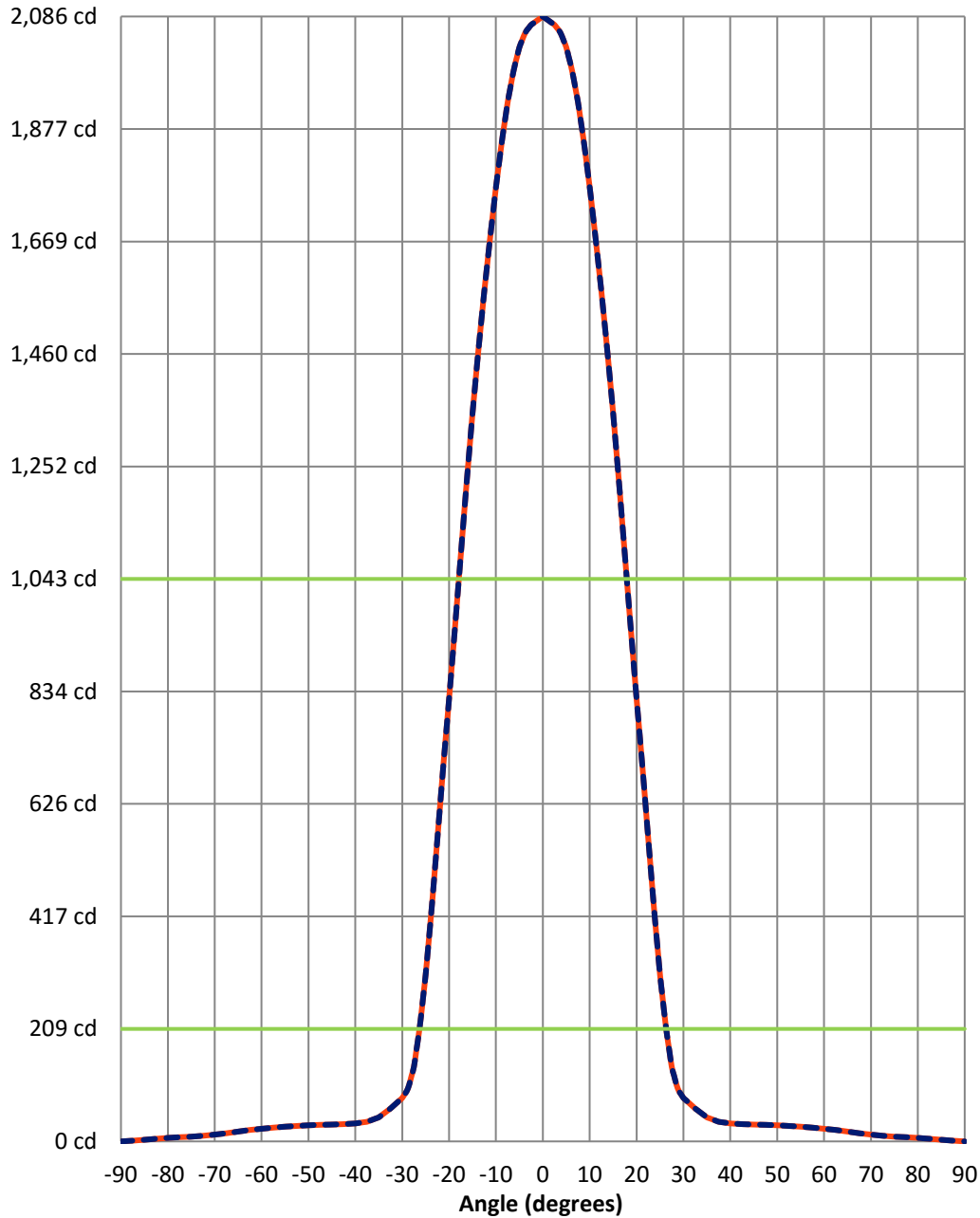
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.8°
 V Angle: 35.8°
 Lumens: 477.5
 Efficiency: 58.8%

Field:
 H Angle: 52.6°
 V Angle: 52.6°
 Lumens: 678.2
 Efficiency: 83.5%

Spill:
 Lumens: 133.9
 Efficiency: 16.5%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.5	1.1	1.7	2.4	3.1	3.9	4.6	5.3	6.0	6.7
32.5°	0.0	0.5	1.1	1.8	2.5	3.2	4.0	4.7	5.4	6.1	6.8
31.25°	0.0	0.6	1.1	1.8	2.5	3.2	4.0	4.8	5.5	6.2	6.8
30°	0.0	0.6	1.1	1.8	2.5	3.3	4.1	4.8	5.6	6.3	6.9
28.75°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.9	5.7	6.4	7.0
27.5°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.7	6.5	7.1
26.25°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.8	6.5	7.1
25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
23.75°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
22.5°	0.0	0.6	1.2	2.0	2.7	3.6	4.4	5.2	6.0	6.7	7.3
21.25°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.4
20°	0.0	0.6	1.2	2.0	2.8	3.6	4.5	5.3	6.1	6.8	7.4
18.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.3	6.1	6.8	7.4
17.5°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	6.9	7.5
16.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.6	5.4	6.2	6.9	7.5
15°	0.0	0.6	1.3	2.1	2.9	3.7	4.6	5.4	6.3	6.9	7.6
13.75°	0.0	0.6	1.3	2.1	2.9	3.8	4.6	5.5	6.3	7.0	7.6
12.5°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.3	7.0	7.6
11.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.4	7.0	7.7
10°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.4	7.1	7.7
8.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.6	6.4	7.1	7.7
7.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.4	7.1	7.7
6.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
3.75°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
2.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
1.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
0°	0.0	0.6	1.3	2.2	3.0	3.9	4.8	5.7	6.5	7.2	7.8
-1.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-2.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-3.75°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-6.25°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.5	7.1	7.8
-7.5°	0.0	0.6	1.3	2.1	3.0	3.9	4.8	5.6	6.4	7.1	7.7
-8.75°	0.0	0.6	1.3	2.1	3.0	3.8	4.7	5.6	6.4	7.1	7.7
-10°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.6	6.4	7.1	7.7
-11.25°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.4	7.0	7.7
-12.5°	0.0	0.6	1.3	2.1	2.9	3.8	4.7	5.5	6.3	7.0	7.6
-13.75°	0.0	0.6	1.3	2.1	2.9	3.8	4.6	5.5	6.3	7.0	7.6
-15°	0.0	0.6	1.3	2.1	2.9	3.7	4.6	5.4	6.3	6.9	7.6
-16.25°	0.0	0.6	1.2	2.0	2.9	3.7	4.6	5.4	6.2	6.9	7.5
-17.5°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.4	6.2	6.9	7.5
-18.75°	0.0	0.6	1.2	2.0	2.8	3.7	4.5	5.3	6.1	6.8	7.4
-20°	0.0	0.6	1.2	2.0	2.8	3.6	4.5	5.3	6.1	6.8	7.4
-21.25°	0.0	0.6	1.2	2.0	2.8	3.6	4.4	5.2	6.0	6.7	7.4



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.6	1.2	2.0	2.7	3.6	4.4	5.2	6.0	6.7	7.3
-23.75°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
-25°	0.0	0.6	1.2	1.9	2.7	3.5	4.3	5.1	5.9	6.6	7.2
-26.25°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.8	6.5	7.1
-27.5°	0.0	0.6	1.2	1.9	2.6	3.4	4.2	5.0	5.7	6.5	7.1
-28.75°	0.0	0.6	1.1	1.8	2.6	3.3	4.1	4.9	5.7	6.4	7.0
-30°	0.0	0.6	1.1	1.8	2.5	3.3	4.1	4.8	5.6	6.3	6.9
-31.25°	0.0	0.6	1.1	1.8	2.5	3.2	4.0	4.8	5.5	6.2	6.8
-32.5°	0.0	0.5	1.1	1.8	2.5	3.2	4.0	4.7	5.4	6.1	6.8
-33.75°	0.0	0.5	1.1	1.7	2.4	3.1	3.9	4.6	5.3	6.0	6.7
-35°	0.0	0.5	1.1	1.7	2.4	3.1	3.8	4.6	5.3	6.0	6.6
-36.25°	0.0	0.5	1.0	1.7	2.3	3.0	3.8	4.5	5.2	5.9	6.5
-37.5°	0.0	0.5	1.0	1.6	2.3	3.0	3.7	4.4	5.1	5.8	6.4
-38.75°	0.0	0.5	1.0	1.6	2.3	2.9	3.6	4.3	5.0	5.7	6.3
-40°	0.0	0.5	1.0	1.6	2.2	2.9	3.5	4.2	4.9	5.5	6.2
-41.25°	0.0	0.5	1.0	1.5	2.2	2.8	3.5	4.1	4.8	5.4	6.1
-42.5°	0.0	0.5	1.0	1.5	2.1	2.7	3.4	4.0	4.7	5.3	5.9
-43.75°	0.0	0.5	0.9	1.4	2.1	2.7	3.3	3.9	4.6	5.2	5.8
-45°	0.0	0.5	0.9	1.4	2.0	2.6	3.2	3.8	4.5	5.1	5.7
-46.25°	0.0	0.4	0.9	1.4	1.9	2.5	3.1	3.7	4.4	5.0	5.6
-47.5°	0.0	0.4	0.9	1.3	1.9	2.5	3.0	3.6	4.3	4.9	5.4
-48.75°	0.0	0.4	0.9	1.3	1.8	2.4	3.0	3.5	4.1	4.7	5.3
-50°	0.0	0.4	0.8	1.3	1.8	2.3	2.9	3.4	4.0	4.6	5.1
-51.25°	0.0	0.4	0.8	1.2	1.7	2.3	2.8	3.3	3.9	4.5	5.0
-52.5°	0.0	0.4	0.8	1.2	1.7	2.2	2.7	3.2	3.8	4.3	4.8
-53.75°	0.0	0.4	0.8	1.2	1.6	2.1	2.6	3.1	3.6	4.2	4.7
-55°	0.0	0.4	0.7	1.1	1.5	2.0	2.5	3.0	3.5	4.0	4.5
-56.25°	0.0	0.4	0.7	1.1	1.5	2.0	2.4	2.9	3.4	3.9	4.4
-57.5°	0.0	0.3	0.7	1.0	1.4	1.9	2.3	2.8	3.3	3.7	4.2
-58.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.2	2.7	3.1	3.6	4.0
-60°	0.0	0.3	0.6	1.0	1.3	1.7	2.1	2.6	3.0	3.4	3.9
-61.25°	0.0	0.3	0.6	0.9	1.2	1.6	2.0	2.5	2.9	3.3	3.7
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.3	2.7	3.1	3.5
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	1.9	2.2	2.6	3.0	3.4
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.8	2.1	2.5	2.8	3.2
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	2.0	2.3	2.7	3.0
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.9	2.2	2.5	2.8
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	2.1	2.4	2.7
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.6	1.9	2.2	2.5
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.8	2.0	2.3
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.9	2.1
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	2.0
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.6
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-80°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-81.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-82.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-83.75°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-85°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
-86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
-88.75°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.8	1.9
81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2
80°	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6
78.75°	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0
77.5°	1.6	1.8	2.0	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4
76.25°	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7
75°	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1
73.75°	2.2	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5
72.5°	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.4	4.7	4.9
71.25°	2.6	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3
70°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.6
68.75°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0
67.5°	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3
66.25°	3.4	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.4	6.6
65°	3.6	3.9	4.3	4.7	5.0	5.4	5.7	6.0	6.4	6.7	6.9
63.75°	3.7	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2
62.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.2	7.4
61.25°	4.1	4.5	5.0	5.4	5.7	6.1	6.5	6.8	7.1	7.4	7.7
60°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.0	7.3	7.6	7.9
58.75°	4.5	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.1
57.5°	4.7	5.1	5.6	6.0	6.5	6.8	7.1	7.5	7.8	8.0	8.2
56.25°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.2	8.4
55°	5.0	5.5	6.0	6.5	6.8	7.2	7.5	7.9	8.1	8.4	8.6
53.75°	5.2	5.7	6.2	6.6	7.0	7.4	7.7	8.0	8.3	8.5	8.8
52.5°	5.4	5.9	6.4	6.8	7.2	7.5	7.9	8.1	8.4	8.7	9.1
51.25°	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.3	8.6	8.9	9.4
50°	5.7	6.2	6.7	7.1	7.5	7.9	8.1	8.4	8.7	9.2	9.7
48.75°	5.8	6.4	6.8	7.2	7.7	8.0	8.3	8.6	9.0	9.5	10.0
47.5°	6.0	6.5	7.0	7.4	7.8	8.1	8.4	8.7	9.2	9.8	10.3
46.25°	6.1	6.7	7.1	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7
45°	6.3	6.8	7.2	7.7	8.0	8.3	8.6	9.2	9.8	10.3	11.0
43.75°	6.4	6.9	7.4	7.8	8.1	8.4	8.8	9.4	10.0	10.6	11.4
42.5°	6.5	7.0	7.5	7.9	8.2	8.6	9.0	9.6	10.2	11.0	11.7
41.25°	6.7	7.1	7.6	8.0	8.3	8.7	9.3	9.9	10.5	11.3	12.1
40°	6.8	7.2	7.7	8.1	8.4	8.8	9.5	10.1	10.8	11.6	12.4
38.75°	6.9	7.4	7.8	8.2	8.5	9.0	9.7	10.3	11.1	11.9	12.8
37.5°	7.0	7.5	7.9	8.3	8.6	9.2	9.9	10.6	11.4	12.2	13.1
36.25°	7.0	7.6	8.0	8.4	8.7	9.4	10.1	10.8	11.7	12.5	13.5
35°	7.1	7.7	8.1	8.4	8.9	9.6	10.2	11.1	12.0	12.9	13.8



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	7.2	7.8	8.1	8.5	9.0	9.7	10.4	11.3	12.2	13.2	14.2
32.5°	7.3	7.8	8.2	8.6	9.2	9.9	10.7	11.6	12.5	13.5	14.5
31.25°	7.4	7.9	8.3	8.7	9.3	10.1	10.9	11.8	12.7	13.8	14.8
30°	7.5	8.0	8.3	8.8	9.5	10.2	11.1	12.0	13.0	14.1	15.1
28.75°	7.6	8.0	8.4	8.9	9.6	10.4	11.3	12.3	13.3	14.3	15.5
27.5°	7.6	8.1	8.5	9.0	9.8	10.5	11.5	12.5	13.5	14.6	15.8
26.25°	7.7	8.1	8.5	9.1	9.9	10.7	11.7	12.7	13.8	14.9	16.2
25°	7.8	8.2	8.6	9.3	10.0	10.9	11.9	12.9	14.0	15.1	16.5
23.75°	7.8	8.2	8.6	9.4	10.1	11.1	12.0	13.1	14.2	15.4	16.8
22.5°	7.9	8.3	8.7	9.5	10.2	11.2	12.2	13.3	14.4	15.7	17.1
21.25°	7.9	8.3	8.8	9.6	10.4	11.4	12.4	13.5	14.6	16.0	17.4
20°	7.9	8.4	8.9	9.7	10.5	11.5	12.5	13.7	14.8	16.2	17.7
18.75°	8.0	8.4	8.9	9.7	10.6	11.6	12.7	13.8	15.0	16.5	17.9
17.5°	8.0	8.4	9.0	9.8	10.7	11.8	12.8	14.0	15.2	16.7	18.1
16.25°	8.0	8.5	9.1	9.9	10.8	11.9	13.0	14.2	15.4	16.9	18.4
15°	8.1	8.5	9.2	10.0	10.9	12.0	13.1	14.3	15.6	17.1	18.5
13.75°	8.1	8.5	9.2	10.0	11.0	12.1	13.2	14.4	15.8	17.3	18.7
12.5°	8.1	8.6	9.3	10.1	11.1	12.2	13.3	14.5	15.9	17.4	18.9
11.25°	8.2	8.6	9.3	10.2	11.2	12.2	13.4	14.6	16.1	17.6	19.1
10°	8.2	8.6	9.4	10.2	11.2	12.3	13.5	14.7	16.2	17.7	19.2
8.75°	8.2	8.6	9.4	10.3	11.3	12.4	13.6	14.8	16.3	17.8	19.3
7.5°	8.2	8.7	9.5	10.3	11.4	12.4	13.7	14.9	16.4	17.9	19.4
6.25°	8.2	8.7	9.5	10.3	11.4	12.5	13.7	15.0	16.5	18.0	19.5
5°	8.2	8.7	9.5	10.4	11.4	12.5	13.8	15.0	16.5	18.1	19.6
3.75°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.0	16.6	18.1	19.6
2.5°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.6	18.2	19.7
1.25°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.6	18.2	19.7
0°	8.3	8.7	9.6	10.4	11.5	12.6	13.9	15.1	16.7	18.2	19.7
-1.25°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.6	18.2	19.7
-2.5°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.1	16.6	18.2	19.7
-3.75°	8.2	8.7	9.5	10.4	11.5	12.6	13.8	15.0	16.6	18.1	19.6
-5°	8.2	8.7	9.5	10.4	11.4	12.5	13.8	15.0	16.5	18.1	19.6
-6.25°	8.2	8.7	9.5	10.3	11.4	12.5	13.7	15.0	16.5	18.0	19.5
-7.5°	8.2	8.7	9.5	10.3	11.4	12.4	13.7	14.9	16.4	17.9	19.4
-8.75°	8.2	8.6	9.4	10.3	11.3	12.4	13.6	14.8	16.3	17.8	19.3
-10°	8.2	8.6	9.4	10.2	11.2	12.3	13.5	14.7	16.2	17.7	19.2
-11.25°	8.2	8.6	9.3	10.2	11.2	12.2	13.4	14.6	16.1	17.6	19.1
-12.5°	8.1	8.6	9.3	10.1	11.1	12.2	13.3	14.5	15.9	17.4	18.9
-13.75°	8.1	8.5	9.2	10.0	11.0	12.1	13.2	14.4	15.8	17.3	18.7
-15°	8.1	8.5	9.2	10.0	10.9	12.0	13.1	14.3	15.6	17.1	18.5
-16.25°	8.0	8.5	9.1	9.9	10.8	11.9	13.0	14.2	15.4	16.9	18.4
-17.5°	8.0	8.4	9.0	9.8	10.7	11.8	12.8	14.0	15.2	16.7	18.1
-18.75°	8.0	8.4	8.9	9.7	10.6	11.6	12.7	13.8	15.0	16.5	17.9
-20°	7.9	8.4	8.9	9.7	10.5	11.5	12.5	13.7	14.8	16.2	17.7
-21.25°	7.9	8.3	8.8	9.6	10.4	11.4	12.4	13.5	14.6	16.0	17.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	7.9	8.3	8.7	9.5	10.2	11.2	12.2	13.3	14.4	15.7	17.1
-23.75°	7.8	8.2	8.6	9.4	10.1	11.1	12.0	13.1	14.2	15.4	16.8
-25°	7.8	8.2	8.6	9.3	10.0	10.9	11.9	12.9	14.0	15.1	16.5
-26.25°	7.7	8.1	8.5	9.1	9.9	10.7	11.7	12.7	13.8	14.9	16.2
-27.5°	7.6	8.1	8.5	9.0	9.8	10.5	11.5	12.5	13.5	14.6	15.8
-28.75°	7.6	8.0	8.4	8.9	9.6	10.4	11.3	12.3	13.3	14.3	15.5
-30°	7.5	8.0	8.3	8.8	9.5	10.2	11.1	12.0	13.0	14.1	15.1
-31.25°	7.4	7.9	8.3	8.7	9.3	10.1	10.9	11.8	12.7	13.8	14.8
-32.5°	7.3	7.8	8.2	8.6	9.2	9.9	10.7	11.6	12.5	13.5	14.5
-33.75°	7.2	7.8	8.1	8.5	9.0	9.7	10.4	11.3	12.2	13.2	14.2
-35°	7.1	7.7	8.1	8.4	8.9	9.6	10.2	11.1	12.0	12.9	13.8
-36.25°	7.0	7.6	8.0	8.4	8.7	9.4	10.1	10.8	11.7	12.5	13.5
-37.5°	7.0	7.5	7.9	8.3	8.6	9.2	9.9	10.6	11.4	12.2	13.1
-38.75°	6.9	7.4	7.8	8.2	8.5	9.0	9.7	10.3	11.1	11.9	12.8
-40°	6.8	7.2	7.7	8.1	8.4	8.8	9.5	10.1	10.8	11.6	12.4
-41.25°	6.7	7.1	7.6	8.0	8.3	8.7	9.3	9.9	10.5	11.3	12.1
-42.5°	6.5	7.0	7.5	7.9	8.2	8.6	9.0	9.6	10.2	11.0	11.7
-43.75°	6.4	6.9	7.4	7.8	8.1	8.4	8.8	9.4	10.0	10.6	11.4
-45°	6.3	6.8	7.2	7.7	8.0	8.3	8.6	9.2	9.8	10.3	11.0
-46.25°	6.1	6.7	7.1	7.5	7.9	8.2	8.5	8.9	9.5	10.1	10.7
-47.5°	6.0	6.5	7.0	7.4	7.8	8.1	8.4	8.7	9.2	9.8	10.3
-48.75°	5.8	6.4	6.8	7.2	7.7	8.0	8.3	8.6	9.0	9.5	10.0
-50°	5.7	6.2	6.7	7.1	7.5	7.9	8.1	8.4	8.7	9.2	9.7
-51.25°	5.5	6.0	6.5	6.9	7.3	7.7	8.0	8.3	8.6	8.9	9.4
-52.5°	5.4	5.9	6.4	6.8	7.2	7.5	7.9	8.1	8.4	8.7	9.1
-53.75°	5.2	5.7	6.2	6.6	7.0	7.4	7.7	8.0	8.3	8.5	8.8
-55°	5.0	5.5	6.0	6.5	6.8	7.2	7.5	7.9	8.1	8.4	8.6
-56.25°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.2	8.4
-57.5°	4.7	5.1	5.6	6.0	6.5	6.8	7.1	7.5	7.8	8.0	8.2
-58.75°	4.5	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.6	7.9	8.1
-60°	4.3	4.8	5.2	5.6	6.0	6.4	6.7	7.0	7.3	7.6	7.9
-61.25°	4.1	4.5	5.0	5.4	5.7	6.1	6.5	6.8	7.1	7.4	7.7
-62.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.2	7.4
-63.75°	3.7	4.1	4.5	4.9	5.3	5.6	6.0	6.3	6.6	6.9	7.2
-65°	3.6	3.9	4.3	4.7	5.0	5.4	5.7	6.0	6.4	6.7	6.9
-66.25°	3.4	3.7	4.1	4.4	4.8	5.1	5.4	5.7	6.0	6.4	6.6
-67.5°	3.2	3.5	3.8	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3
-68.75°	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0
-70°	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.6
-71.25°	2.6	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8	5.0	5.3
-72.5°	2.4	2.6	2.9	3.1	3.4	3.7	3.9	4.2	4.4	4.7	4.9
-73.75°	2.2	2.4	2.7	2.9	3.1	3.4	3.6	3.8	4.1	4.3	4.5
-75°	2.0	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1
-76.25°	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7
-77.5°	1.6	1.8	2.0	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	1.4	1.6	1.7	1.9	2.0	2.2	2.4	2.5	2.7	2.8	3.0
-80°	1.2	1.4	1.5	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6
-81.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.9	2.0	2.1	2.2
-82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.8	1.9
-83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
-85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
-87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
85°	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8
83.75°	1.6	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3
82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
81.25°	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
80°	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0
78.75°	3.1	3.3	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6
77.5°	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0	5.1
76.25°	3.9	4.1	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.7
75°	4.3	4.5	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2
73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
72.5°	5.1	5.4	5.6	5.8	6.0	6.2	6.5	6.6	6.8	6.9	7.1
71.25°	5.5	5.7	6.0	6.2	6.5	6.6	6.8	7.0	7.2	7.3	7.5
70°	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.9
68.75°	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.1
67.5°	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.4
66.25°	6.9	7.1	7.3	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
65°	7.2	7.4	7.6	7.9	8.0	8.2	8.4	8.5	8.7	8.9	9.2
63.75°	7.4	7.7	7.9	8.1	8.2	8.4	8.6	8.8	9.1	9.4	9.7
62.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2
61.25°	7.9	8.1	8.3	8.5	8.7	9.0	9.4	9.7	10.1	10.4	10.8
60°	8.1	8.3	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.5
58.75°	8.3	8.5	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.1
57.5°	8.5	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.8
56.25°	8.7	9.0	9.5	9.9	10.3	10.8	11.4	11.9	12.4	12.9	13.5
55°	8.9	9.4	9.8	10.3	10.8	11.4	11.9	12.4	13.0	13.6	14.2
53.75°	9.3	9.7	10.2	10.7	11.3	11.9	12.4	13.1	13.7	14.3	14.9
52.5°	9.6	10.1	10.6	11.2	11.8	12.4	13.0	13.7	14.4	15.0	15.8
51.25°	9.9	10.4	11.0	11.7	12.3	12.9	13.6	14.3	15.0	15.8	16.6
50°	10.2	10.8	11.5	12.1	12.8	13.5	14.2	14.9	15.8	16.6	17.5
48.75°	10.6	11.3	11.9	12.6	13.3	14.1	14.8	15.7	16.5	17.4	18.3
47.5°	11.0	11.7	12.4	13.1	13.9	14.6	15.5	16.4	17.3	18.2	19.1
46.25°	11.4	12.1	12.8	13.6	14.4	15.2	16.2	17.1	18.1	19.0	19.9
45°	11.8	12.5	13.3	14.1	14.9	15.9	16.9	17.8	18.8	19.7	20.6
43.75°	12.1	12.9	13.8	14.6	15.5	16.5	17.6	18.5	19.5	20.5	21.3
42.5°	12.5	13.4	14.2	15.1	16.1	17.2	18.2	19.2	20.2	21.2	21.9
41.25°	12.9	13.8	14.7	15.7	16.7	17.8	18.9	19.9	20.9	21.7	22.4
40°	13.3	14.2	15.1	16.2	17.3	18.4	19.5	20.5	21.5	22.2	23.0
38.75°	13.7	14.6	15.7	16.8	17.9	19.0	20.1	21.2	21.9	22.7	23.5
37.5°	14.1	15.0	16.2	17.3	18.5	19.6	20.7	21.6	22.4	23.2	24.0
36.25°	14.5	15.5	16.7	17.9	19.0	20.1	21.2	22.1	22.9	23.7	24.4
35°	14.8	16.0	17.2	18.4	19.5	20.7	21.7	22.5	23.3	24.1	24.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	15.2	16.4	17.7	18.9	20.0	21.2	22.1	22.9	23.7	24.5	25.3
32.5°	15.6	16.9	18.1	19.3	20.5	21.6	22.5	23.3	24.1	25.0	25.7
31.25°	16.0	17.3	18.6	19.8	21.0	22.0	22.8	23.7	24.5	25.4	26.1
30°	16.4	17.7	19.0	20.2	21.4	22.3	23.2	24.1	24.9	25.7	26.5
28.75°	16.8	18.1	19.4	20.7	21.7	22.7	23.6	24.4	25.3	26.1	26.8
27.5°	17.2	18.5	19.8	21.1	22.0	23.0	23.9	24.8	25.6	26.4	27.1
26.25°	17.5	18.9	20.2	21.4	22.4	23.3	24.2	25.1	25.9	26.7	27.4
25°	17.9	19.2	20.5	21.7	22.6	23.6	24.5	25.4	26.2	27.0	27.6
23.75°	18.2	19.5	20.9	21.9	22.9	23.9	24.8	25.7	26.5	27.3	27.8
22.5°	18.5	19.9	21.2	22.2	23.2	24.1	25.1	25.9	26.7	27.5	28.0
21.25°	18.8	20.2	21.4	22.4	23.4	24.4	25.3	26.2	27.0	27.7	28.2
20°	19.1	20.4	21.7	22.7	23.7	24.6	25.6	26.4	27.2	27.8	28.4
18.75°	19.3	20.7	21.9	22.9	23.9	24.9	25.8	26.6	27.4	28.0	28.6
17.5°	19.6	21.0	22.1	23.1	24.1	25.1	26.0	26.8	27.6	28.2	28.8
16.25°	19.8	21.2	22.2	23.3	24.3	25.3	26.2	27.0	27.7	28.3	28.9
15°	20.0	21.4	22.4	23.5	24.5	25.5	26.3	27.2	27.8	28.4	29.1
13.75°	20.2	21.5	22.6	23.6	24.6	25.6	26.5	27.3	28.0	28.6	29.2
12.5°	20.4	21.6	22.7	23.8	24.8	25.8	26.6	27.4	28.1	28.7	29.3
11.25°	20.5	21.8	22.8	23.9	24.9	25.9	26.7	27.5	28.2	28.8	29.4
10°	20.7	21.9	23.0	24.0	25.0	26.0	26.9	27.6	28.3	28.9	29.5
8.75°	20.8	22.0	23.1	24.1	25.1	26.1	27.0	27.7	28.3	29.0	29.6
7.5°	20.9	22.1	23.2	24.2	25.2	26.2	27.1	27.8	28.4	29.0	29.7
6.25°	21.0	22.1	23.2	24.3	25.3	26.2	27.1	27.8	28.5	29.1	29.8
5°	21.1	22.2	23.3	24.3	25.4	26.3	27.2	27.9	28.5	29.2	29.8
3.75°	21.1	22.2	23.3	24.4	25.4	26.3	27.2	27.9	28.6	29.2	29.8
2.5°	21.2	22.3	23.4	24.4	25.5	26.4	27.3	27.9	28.6	29.2	29.9
1.25°	21.2	22.3	23.4	24.4	25.5	26.4	27.3	27.9	28.6	29.2	29.9
0°	21.2	22.3	23.4	24.5	25.5	26.4	27.3	28.0	28.6	29.3	29.9
-1.25°	21.2	22.3	23.4	24.4	25.5	26.4	27.3	27.9	28.6	29.2	29.9
-2.5°	21.2	22.3	23.4	24.4	25.5	26.4	27.3	27.9	28.6	29.2	29.9
-3.75°	21.1	22.2	23.3	24.4	25.4	26.3	27.2	27.9	28.6	29.2	29.8
-5°	21.1	22.2	23.3	24.3	25.4	26.3	27.2	27.9	28.5	29.2	29.8
-6.25°	21.0	22.1	23.2	24.3	25.3	26.2	27.1	27.8	28.5	29.1	29.8
-7.5°	20.9	22.1	23.2	24.2	25.2	26.2	27.1	27.8	28.4	29.0	29.7
-8.75°	20.8	22.0	23.1	24.1	25.1	26.1	27.0	27.7	28.3	29.0	29.6
-10°	20.7	21.9	23.0	24.0	25.0	26.0	26.9	27.6	28.3	28.9	29.5
-11.25°	20.5	21.8	22.8	23.9	24.9	25.9	26.7	27.5	28.2	28.8	29.4
-12.5°	20.4	21.6	22.7	23.8	24.8	25.8	26.6	27.4	28.1	28.7	29.3
-13.75°	20.2	21.5	22.6	23.6	24.6	25.6	26.5	27.3	28.0	28.6	29.2
-15°	20.0	21.4	22.4	23.5	24.5	25.5	26.3	27.2	27.8	28.4	29.1
-16.25°	19.8	21.2	22.2	23.3	24.3	25.3	26.2	27.0	27.7	28.3	28.9
-17.5°	19.6	21.0	22.1	23.1	24.1	25.1	26.0	26.8	27.6	28.2	28.8
-18.75°	19.3	20.7	21.9	22.9	23.9	24.9	25.8	26.6	27.4	28.0	28.6
-20°	19.1	20.4	21.7	22.7	23.7	24.6	25.6	26.4	27.2	27.8	28.4
-21.25°	18.8	20.2	21.4	22.4	23.4	24.4	25.3	26.2	27.0	27.7	28.2



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°
-22.5°	18.5	19.9	21.2	22.2	23.2	24.1	25.1	25.9	26.7	27.5	28.0
-23.75°	18.2	19.5	20.9	21.9	22.9	23.9	24.8	25.7	26.5	27.3	27.8
-25°	17.9	19.2	20.5	21.7	22.6	23.6	24.5	25.4	26.2	27.0	27.6
-26.25°	17.5	18.9	20.2	21.4	22.4	23.3	24.2	25.1	25.9	26.7	27.4
-27.5°	17.2	18.5	19.8	21.1	22.0	23.0	23.9	24.8	25.6	26.4	27.1
-28.75°	16.8	18.1	19.4	20.7	21.7	22.7	23.6	24.4	25.3	26.1	26.8
-30°	16.4	17.7	19.0	20.2	21.4	22.3	23.2	24.1	24.9	25.7	26.5
-31.25°	16.0	17.3	18.6	19.8	21.0	22.0	22.8	23.7	24.5	25.4	26.1
-32.5°	15.6	16.9	18.1	19.3	20.5	21.6	22.5	23.3	24.1	25.0	25.7
-33.75°	15.2	16.4	17.7	18.9	20.0	21.2	22.1	22.9	23.7	24.5	25.3
-35°	14.8	16.0	17.2	18.4	19.5	20.7	21.7	22.5	23.3	24.1	24.9
-36.25°	14.5	15.5	16.7	17.9	19.0	20.1	21.2	22.1	22.9	23.7	24.4
-37.5°	14.1	15.0	16.2	17.3	18.5	19.6	20.7	21.6	22.4	23.2	24.0
-38.75°	13.7	14.6	15.7	16.8	17.9	19.0	20.1	21.2	21.9	22.7	23.5
-40°	13.3	14.2	15.1	16.2	17.3	18.4	19.5	20.5	21.5	22.2	23.0
-41.25°	12.9	13.8	14.7	15.7	16.7	17.8	18.9	19.9	20.9	21.7	22.4
-42.5°	12.5	13.4	14.2	15.1	16.1	17.2	18.2	19.2	20.2	21.2	21.9
-43.75°	12.1	12.9	13.8	14.6	15.5	16.5	17.6	18.5	19.5	20.5	21.3
-45°	11.8	12.5	13.3	14.1	14.9	15.9	16.9	17.8	18.8	19.7	20.6
-46.25°	11.4	12.1	12.8	13.6	14.4	15.2	16.2	17.1	18.1	19.0	19.9
-47.5°	11.0	11.7	12.4	13.1	13.9	14.6	15.5	16.4	17.3	18.2	19.1
-48.75°	10.6	11.3	11.9	12.6	13.3	14.1	14.8	15.7	16.5	17.4	18.3
-50°	10.2	10.8	11.5	12.1	12.8	13.5	14.2	14.9	15.8	16.6	17.5
-51.25°	9.9	10.4	11.0	11.7	12.3	12.9	13.6	14.3	15.0	15.8	16.6
-52.5°	9.6	10.1	10.6	11.2	11.8	12.4	13.0	13.7	14.4	15.0	15.8
-53.75°	9.3	9.7	10.2	10.7	11.3	11.9	12.4	13.1	13.7	14.3	14.9
-55°	8.9	9.4	9.8	10.3	10.8	11.4	11.9	12.4	13.0	13.6	14.2
-56.25°	8.7	9.0	9.5	9.9	10.3	10.8	11.4	11.9	12.4	12.9	13.5
-57.5°	8.5	8.7	9.1	9.5	9.9	10.3	10.8	11.3	11.8	12.3	12.8
-58.75°	8.3	8.5	8.7	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.1
-60°	8.1	8.3	8.5	8.7	9.1	9.5	9.8	10.2	10.6	11.0	11.5
-61.25°	7.9	8.1	8.3	8.5	8.7	9.0	9.4	9.7	10.1	10.4	10.8
-62.5°	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	9.6	9.9	10.2
-63.75°	7.4	7.7	7.9	8.1	8.2	8.4	8.6	8.8	9.1	9.4	9.7
-65°	7.2	7.4	7.6	7.9	8.0	8.2	8.4	8.5	8.7	8.9	9.2
-66.25°	6.9	7.1	7.3	7.6	7.8	8.0	8.1	8.3	8.4	8.6	8.7
-67.5°	6.6	6.8	7.0	7.3	7.5	7.7	7.9	8.0	8.1	8.3	8.4
-68.75°	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.0	8.1
-70°	5.9	6.1	6.4	6.6	6.8	7.0	7.2	7.4	7.5	7.7	7.9
-71.25°	5.5	5.7	6.0	6.2	6.5	6.6	6.8	7.0	7.2	7.3	7.5
-72.5°	5.1	5.4	5.6	5.8	6.0	6.2	6.5	6.6	6.8	6.9	7.1
-73.75°	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.5	6.7
-75°	4.3	4.5	4.8	4.9	5.1	5.3	5.5	5.7	5.9	6.0	6.2
-76.25°	3.9	4.1	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.5	5.7
-77.5°	3.5	3.7	3.9	4.0	4.2	4.4	4.5	4.7	4.8	5.0	5.1



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	3.1	3.3	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6
-80°	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0
-81.25°	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4
-82.5°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
-83.75°	1.6	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3
-85°	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
85°	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3
83.75°	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0
82.5°	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8
81.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
80°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
78.75°	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8	5.9
77.5°	5.3	5.4	5.6	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5
76.25°	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.0
75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.6
73.75°	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
72.5°	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
71.25°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
70°	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	9.0	9.2	9.4
68.75°	8.3	8.4	8.5	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1
67.5°	8.6	8.7	8.9	9.2	9.4	9.6	9.9	10.1	10.3	10.6	10.8
66.25°	9.0	9.2	9.5	9.8	10.0	10.2	10.5	10.8	11.1	11.4	11.7
65°	9.5	9.8	10.1	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.5
63.75°	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.8	13.1	13.5
62.5°	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.1	14.5
61.25°	11.3	11.7	12.1	12.5	12.9	13.4	13.8	14.2	14.6	15.0	15.5
60°	11.9	12.4	12.8	13.3	13.8	14.2	14.7	15.1	15.7	16.2	16.7
58.75°	12.6	13.1	13.6	14.1	14.6	15.1	15.7	16.2	16.8	17.3	17.9
57.5°	13.3	13.9	14.4	14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.0
56.25°	14.1	14.6	15.2	15.9	16.5	17.2	17.8	18.4	19.0	19.6	20.1
55°	14.8	15.5	16.2	16.9	17.6	18.2	18.9	19.5	20.1	20.7	21.2
53.75°	15.7	16.4	17.1	17.8	18.5	19.2	19.9	20.5	21.2	21.6	22.1
52.5°	16.5	17.3	18.1	18.8	19.5	20.2	20.9	21.5	21.9	22.4	22.9
51.25°	17.4	18.2	19.0	19.7	20.5	21.2	21.7	22.2	22.7	23.2	23.7
50°	18.3	19.1	19.9	20.6	21.3	21.9	22.4	23.0	23.5	24.0	24.4
48.75°	19.1	19.9	20.8	21.5	22.0	22.6	23.2	23.7	24.2	24.7	25.2
47.5°	19.9	20.8	21.5	22.1	22.7	23.3	23.8	24.4	24.9	25.4	25.9
46.25°	20.8	21.5	22.1	22.8	23.4	23.9	24.5	25.1	25.6	26.1	26.5
45°	21.5	22.1	22.8	23.4	24.0	24.6	25.2	25.7	26.2	26.7	27.1
43.75°	22.0	22.7	23.4	24.0	24.6	25.2	25.8	26.3	26.8	27.3	27.6
42.5°	22.6	23.3	23.9	24.6	25.2	25.8	26.3	26.9	27.4	27.7	28.1
41.25°	23.2	23.8	24.5	25.2	25.8	26.3	26.9	27.4	27.8	28.1	28.5
40°	23.7	24.4	25.1	25.7	26.3	26.9	27.4	27.8	28.2	28.6	28.9
38.75°	24.2	24.9	25.6	26.2	26.8	27.4	27.8	28.2	28.6	29.0	29.4
37.5°	24.7	25.4	26.1	26.7	27.3	27.7	28.1	28.6	29.0	29.4	29.8
36.25°	25.2	25.9	26.5	27.1	27.6	28.1	28.5	28.9	29.4	29.8	30.1
35°	25.6	26.3	26.9	27.5	28.0	28.4	28.9	29.3	29.7	30.1	30.3



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	26.0	26.7	27.4	27.8	28.3	28.8	29.2	29.7	30.0	30.3	30.6
32.5°	26.4	27.1	27.7	28.1	28.6	29.1	29.6	30.0	30.3	30.5	30.8
31.25°	26.8	27.4	27.9	28.4	28.9	29.4	29.9	30.2	30.5	30.7	30.9
30°	27.2	27.7	28.2	28.7	29.2	29.7	30.1	30.4	30.7	30.9	31.1
28.75°	27.5	28.0	28.5	29.0	29.5	30.0	30.3	30.6	30.8	31.0	31.2
27.5°	27.7	28.2	28.8	29.3	29.8	30.2	30.5	30.8	31.0	31.1	31.4
26.25°	28.0	28.5	29.0	29.6	30.0	30.3	30.7	30.9	31.1	31.3	31.6
25°	28.2	28.7	29.3	29.8	30.2	30.5	30.8	31.0	31.2	31.5	31.8
23.75°	28.4	29.0	29.5	30.0	30.3	30.7	30.9	31.1	31.4	31.7	32.0
22.5°	28.6	29.2	29.7	30.2	30.5	30.8	31.0	31.2	31.6	31.9	32.3
21.25°	28.8	29.4	29.9	30.3	30.6	30.9	31.1	31.4	31.7	32.1	32.6
20°	29.0	29.6	30.1	30.4	30.7	31.0	31.2	31.5	31.9	32.4	32.9
18.75°	29.2	29.8	30.2	30.6	30.8	31.1	31.3	31.7	32.1	32.6	33.2
17.5°	29.4	29.9	30.3	30.7	30.9	31.1	31.5	31.8	32.3	32.9	33.6
16.25°	29.5	30.0	30.4	30.8	31.0	31.2	31.6	32.0	32.5	33.1	34.2
15°	29.7	30.1	30.5	30.8	31.0	31.3	31.7	32.1	32.7	33.3	34.7
13.75°	29.8	30.2	30.6	30.9	31.1	31.4	31.8	32.3	32.9	33.8	35.2
12.5°	29.9	30.3	30.7	30.9	31.2	31.5	31.9	32.5	33.1	34.2	35.7
11.25°	30.0	30.4	30.7	31.0	31.2	31.6	32.0	32.6	33.2	34.6	36.1
10°	30.1	30.4	30.8	31.0	31.3	31.7	32.1	32.8	33.5	35.0	36.7
8.75°	30.1	30.5	30.8	31.1	31.4	31.8	32.3	32.9	33.8	35.3	37.5
7.5°	30.2	30.6	30.9	31.1	31.4	31.8	32.4	33.0	34.1	35.6	38.3
6.25°	30.2	30.6	30.9	31.1	31.5	31.9	32.4	33.1	34.3	35.9	39.0
5°	30.2	30.6	30.9	31.2	31.5	31.9	32.5	33.2	34.5	36.0	39.5
3.75°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.2	34.7	36.2	40.0
2.5°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.3	34.8	36.3	40.3
1.25°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.3	34.8	36.4	40.4
0°	30.3	30.7	31.0	31.2	31.6	32.0	32.7	33.3	34.9	36.4	40.5
-1.25°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.3	34.8	36.4	40.4
-2.5°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.3	34.8	36.3	40.3
-3.75°	30.3	30.7	30.9	31.2	31.6	32.0	32.6	33.2	34.7	36.2	40.0
-5°	30.2	30.6	30.9	31.2	31.5	31.9	32.5	33.2	34.5	36.0	39.5
-6.25°	30.2	30.6	30.9	31.1	31.5	31.9	32.4	33.1	34.3	35.9	39.0
-7.5°	30.2	30.6	30.9	31.1	31.4	31.8	32.4	33.0	34.1	35.6	38.3
-8.75°	30.1	30.5	30.8	31.1	31.4	31.8	32.3	32.9	33.8	35.3	37.5
-10°	30.1	30.4	30.8	31.0	31.3	31.7	32.1	32.8	33.5	35.0	36.7
-11.25°	30.0	30.4	30.7	31.0	31.2	31.6	32.0	32.6	33.2	34.6	36.1
-12.5°	29.9	30.3	30.7	30.9	31.2	31.5	31.9	32.5	33.1	34.2	35.7
-13.75°	29.8	30.2	30.6	30.9	31.1	31.4	31.8	32.3	32.9	33.8	35.2
-15°	29.7	30.1	30.5	30.8	31.0	31.3	31.7	32.1	32.7	33.3	34.7
-16.25°	29.5	30.0	30.4	30.8	31.0	31.2	31.6	32.0	32.5	33.1	34.2
-17.5°	29.4	29.9	30.3	30.7	30.9	31.1	31.5	31.8	32.3	32.9	33.6
-18.75°	29.2	29.8	30.2	30.6	30.8	31.1	31.3	31.7	32.1	32.6	33.2
-20°	29.0	29.6	30.1	30.4	30.7	31.0	31.2	31.5	31.9	32.4	32.9
-21.25°	28.8	29.4	29.9	30.3	30.6	30.9	31.1	31.4	31.7	32.1	32.6



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	28.6	29.2	29.7	30.2	30.5	30.8	31.0	31.2	31.6	31.9	32.3
-23.75°	28.4	29.0	29.5	30.0	30.3	30.7	30.9	31.1	31.4	31.7	32.0
-25°	28.2	28.7	29.3	29.8	30.2	30.5	30.8	31.0	31.2	31.5	31.8
-26.25°	28.0	28.5	29.0	29.6	30.0	30.3	30.7	30.9	31.1	31.3	31.6
-27.5°	27.7	28.2	28.8	29.3	29.8	30.2	30.5	30.8	31.0	31.1	31.4
-28.75°	27.5	28.0	28.5	29.0	29.5	30.0	30.3	30.6	30.8	31.0	31.2
-30°	27.2	27.7	28.2	28.7	29.2	29.7	30.1	30.4	30.7	30.9	31.1
-31.25°	26.8	27.4	27.9	28.4	28.9	29.4	29.9	30.2	30.5	30.7	30.9
-32.5°	26.4	27.1	27.7	28.1	28.6	29.1	29.6	30.0	30.3	30.5	30.8
-33.75°	26.0	26.7	27.4	27.8	28.3	28.8	29.2	29.7	30.0	30.3	30.6
-35°	25.6	26.3	26.9	27.5	28.0	28.4	28.9	29.3	29.7	30.1	30.3
-36.25°	25.2	25.9	26.5	27.1	27.6	28.1	28.5	28.9	29.4	29.8	30.1
-37.5°	24.7	25.4	26.1	26.7	27.3	27.7	28.1	28.6	29.0	29.4	29.8
-38.75°	24.2	24.9	25.6	26.2	26.8	27.4	27.8	28.2	28.6	29.0	29.4
-40°	23.7	24.4	25.1	25.7	26.3	26.9	27.4	27.8	28.2	28.6	28.9
-41.25°	23.2	23.8	24.5	25.2	25.8	26.3	26.9	27.4	27.8	28.1	28.5
-42.5°	22.6	23.3	23.9	24.6	25.2	25.8	26.3	26.9	27.4	27.7	28.1
-43.75°	22.0	22.7	23.4	24.0	24.6	25.2	25.8	26.3	26.8	27.3	27.6
-45°	21.5	22.1	22.8	23.4	24.0	24.6	25.2	25.7	26.2	26.7	27.1
-46.25°	20.8	21.5	22.1	22.8	23.4	23.9	24.5	25.1	25.6	26.1	26.5
-47.5°	19.9	20.8	21.5	22.1	22.7	23.3	23.8	24.4	24.9	25.4	25.9
-48.75°	19.1	19.9	20.8	21.5	22.0	22.6	23.2	23.7	24.2	24.7	25.2
-50°	18.3	19.1	19.9	20.6	21.3	21.9	22.4	23.0	23.5	24.0	24.4
-51.25°	17.4	18.2	19.0	19.7	20.5	21.2	21.7	22.2	22.7	23.2	23.7
-52.5°	16.5	17.3	18.1	18.8	19.5	20.2	20.9	21.5	21.9	22.4	22.9
-53.75°	15.7	16.4	17.1	17.8	18.5	19.2	19.9	20.5	21.2	21.6	22.1
-55°	14.8	15.5	16.2	16.9	17.6	18.2	18.9	19.5	20.1	20.7	21.2
-56.25°	14.1	14.6	15.2	15.9	16.5	17.2	17.8	18.4	19.0	19.6	20.1
-57.5°	13.3	13.9	14.4	14.9	15.5	16.1	16.7	17.3	17.9	18.5	19.0
-58.75°	12.6	13.1	13.6	14.1	14.6	15.1	15.7	16.2	16.8	17.3	17.9
-60°	11.9	12.4	12.8	13.3	13.8	14.2	14.7	15.1	15.7	16.2	16.7
-61.25°	11.3	11.7	12.1	12.5	12.9	13.4	13.8	14.2	14.6	15.0	15.5
-62.5°	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.3	13.7	14.1	14.5
-63.75°	10.0	10.3	10.7	11.0	11.4	11.7	12.1	12.4	12.8	13.1	13.5
-65°	9.5	9.8	10.1	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.5
-66.25°	9.0	9.2	9.5	9.8	10.0	10.2	10.5	10.8	11.1	11.4	11.7
-67.5°	8.6	8.7	8.9	9.2	9.4	9.6	9.9	10.1	10.3	10.6	10.8
-68.75°	8.3	8.4	8.5	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1
-70°	8.0	8.1	8.2	8.3	8.4	8.6	8.7	8.8	9.0	9.2	9.4
-71.25°	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7
-72.5°	7.2	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-73.75°	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9	8.0
-75°	6.4	6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.6
-76.25°	5.8	6.0	6.1	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.0
-77.5°	5.3	5.4	5.6	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.5



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	4.7	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.7	5.8	5.9
-80°	4.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2
-81.25°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
-82.5°	3.0	3.0	3.1	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.8
-83.75°	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0
-85°	1.8	1.9	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.3
-86.25°	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
-87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
86.25°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0
85°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
83.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6
82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4
81.25°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
80°	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0
78.75°	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
77.5°	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.3
76.25°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.9
75°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
73.75°	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
72.5°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.4	9.5
71.25°	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
70°	9.6	9.7	9.9	10.1	10.2	10.4	10.5	10.7	10.9	11.1	11.2
68.75°	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.0	12.2
67.5°	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3
66.25°	12.0	12.2	12.5	12.7	13.0	13.3	13.5	13.8	14.0	14.2	14.4
65°	12.9	13.2	13.5	13.8	14.1	14.3	14.6	14.9	15.1	15.4	15.7
63.75°	13.8	14.2	14.5	14.8	15.1	15.5	15.8	16.2	16.5	16.8	17.1
62.5°	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.5	17.9	18.2	18.5
61.25°	16.0	16.4	16.9	17.3	17.7	18.1	18.5	18.9	19.2	19.5	19.9
60°	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.2	20.5	20.9	21.2
58.75°	18.4	18.9	19.3	19.8	20.2	20.7	21.1	21.4	21.7	21.9	22.2
57.5°	19.5	20.0	20.5	21.0	21.4	21.7	22.0	22.4	22.6	22.9	23.2
56.25°	20.7	21.2	21.6	22.0	22.3	22.7	23.0	23.3	23.6	23.9	24.1
55°	21.7	22.1	22.5	22.8	23.2	23.6	23.9	24.2	24.5	24.8	25.1
53.75°	22.5	22.9	23.3	23.7	24.1	24.4	24.8	25.1	25.4	25.7	25.9
52.5°	23.3	23.7	24.1	24.5	24.9	25.3	25.6	25.9	26.2	26.5	26.7
51.25°	24.1	24.5	25.0	25.4	25.7	26.1	26.4	26.7	27.0	27.3	27.5
50°	24.9	25.3	25.7	26.1	26.5	26.8	27.1	27.4	27.6	27.8	28.0
48.75°	25.6	26.0	26.4	26.8	27.2	27.5	27.7	28.0	28.2	28.4	28.6
47.5°	26.3	26.7	27.1	27.4	27.7	28.0	28.2	28.5	28.7	29.0	29.2
46.25°	26.9	27.4	27.7	27.9	28.2	28.5	28.8	29.0	29.3	29.5	29.7
45°	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.6	29.8	30.0	30.2
43.75°	28.0	28.3	28.6	28.9	29.2	29.5	29.8	30.0	30.2	30.3	30.5
42.5°	28.4	28.8	29.1	29.4	29.7	30.0	30.2	30.3	30.5	30.7	30.8
41.25°	28.9	29.2	29.6	29.9	30.1	30.3	30.5	30.7	30.8	30.9	31.0
40°	29.3	29.7	30.0	30.2	30.4	30.6	30.8	30.9	31.0	31.1	31.2
38.75°	29.7	30.0	30.3	30.5	30.7	30.8	31.0	31.1	31.2	31.4	31.6
37.5°	30.1	30.3	30.5	30.7	30.9	31.0	31.1	31.3	31.5	31.7	31.9
36.25°	30.3	30.6	30.8	30.9	31.1	31.2	31.4	31.6	31.8	32.0	32.3
35°	30.6	30.8	30.9	31.1	31.3	31.5	31.7	31.9	32.2	32.6	32.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	30.8	30.9	31.1	31.3	31.5	31.8	32.0	32.4	32.7	33.1	33.5
32.5°	30.9	31.1	31.3	31.6	31.8	32.1	32.5	32.9	33.2	34.0	34.8
31.25°	31.1	31.3	31.6	31.8	32.1	32.5	32.9	33.4	34.3	35.1	36.0
30°	31.3	31.5	31.8	32.1	32.6	33.0	33.5	34.5	35.4	36.3	38.5
28.75°	31.5	31.8	32.1	32.5	33.0	33.6	34.6	35.6	36.8	39.2	41.6
27.5°	31.7	32.0	32.5	32.9	33.5	34.6	35.6	37.1	39.7	42.2	44.8
26.25°	31.9	32.4	32.9	33.4	34.5	35.6	37.1	39.8	42.5	45.8	50.9
25°	32.2	32.7	33.2	34.3	35.4	36.8	39.7	42.5	46.1	51.5	56.8
23.75°	32.6	33.1	34.0	35.1	36.3	39.2	42.2	45.8	51.5	57.1	62.9
22.5°	32.9	33.5	34.8	36.0	38.5	41.6	44.8	50.9	56.8	62.9	69.6
21.25°	33.2	34.3	35.6	37.5	40.7	43.9	49.6	55.8	62.1	69.2	76.1
20°	33.7	35.0	36.3	39.5	42.9	47.7	54.2	60.6	68.0	75.3	83.2
18.75°	34.4	35.7	38.0	41.5	45.2	51.9	58.6	65.9	73.6	81.4	91.9
17.5°	35.0	36.4	39.8	43.4	49.1	56.0	63.1	71.1	79.0	89.2	109.8
16.25°	35.6	37.9	41.5	45.7	52.8	59.8	67.9	76.1	85.6	103.0	138.0
15°	36.2	39.5	43.1	49.0	56.2	63.9	72.4	80.9	93.6	121.8	173.2
13.75°	37.1	40.9	44.6	52.1	59.5	67.9	76.6	86.9	107.6	150.2	216.0
12.5°	38.4	42.2	47.4	55.0	62.8	71.6	80.5	94.1	125.7	183.5	262.0
11.25°	39.5	43.4	49.9	57.6	66.0	75.1	85.4	105.6	149.1	218.8	307.0
10°	40.6	44.5	52.2	60.0	69.0	78.2	89.9	116.8	174.3	255.9	354.0
8.75°	41.5	46.3	54.2	62.3	71.6	81.1	97.1	134.9	201.8	291.0	396.5
7.5°	42.3	48.0	56.0	64.5	74.0	84.5	104.9	150.9	226.0	323.8	437.8
6.25°	43.0	49.5	57.5	66.4	75.9	87.4	111.6	165.9	250.7	354.3	473.9
5°	43.6	50.7	58.8	68.0	77.6	89.7	119.0	182.2	271.5	379.6	503.8
3.75°	44.0	51.6	59.7	69.2	78.8	91.9	127.4	194.9	287.8	399.5	528.3
2.5°	44.3	52.3	60.4	70.0	79.8	94.9	133.4	204.1	299.6	415.1	546.1
1.25°	44.5	52.7	60.9	70.6	80.3	96.7	137.0	209.6	306.6	424.8	556.9
0°	44.6	52.8	61.0	70.8	80.5	97.3	138.3	211.4	309.0	428.0	560.5
-1.25°	44.5	52.7	60.9	70.6	80.3	96.7	137.0	209.6	306.6	424.8	556.9
-2.5°	44.3	52.3	60.4	70.0	79.8	94.9	133.4	204.1	299.6	415.1	546.1
-3.75°	44.0	51.6	59.7	69.2	78.8	91.9	127.4	194.9	287.8	399.5	528.3
-5°	43.6	50.7	58.8	68.0	77.6	89.7	119.0	182.2	271.5	379.6	503.8
-6.25°	43.0	49.5	57.5	66.4	75.9	87.4	111.6	165.9	250.7	354.3	473.9
-7.5°	42.3	48.0	56.0	64.5	74.0	84.5	104.9	150.9	226.0	323.8	437.8
-8.75°	41.5	46.3	54.2	62.3	71.6	81.1	97.1	134.9	201.8	291.0	396.5
-10°	40.6	44.5	52.2	60.0	69.0	78.2	89.9	116.8	174.3	255.9	354.0
-11.25°	39.5	43.4	49.9	57.6	66.0	75.1	85.4	105.6	149.1	218.8	307.0
-12.5°	38.4	42.2	47.4	55.0	62.8	71.6	80.5	94.1	125.7	183.5	262.0
-13.75°	37.1	40.9	44.6	52.1	59.5	67.9	76.6	86.9	107.6	150.2	216.0
-15°	36.2	39.5	43.1	49.0	56.2	63.9	72.4	80.9	93.6	121.8	173.2
-16.25°	35.6	37.9	41.5	45.7	52.8	59.8	67.9	76.1	85.6	103.0	138.0
-17.5°	35.0	36.4	39.8	43.4	49.1	56.0	63.1	71.1	79.0	89.2	109.8
-18.75°	34.4	35.7	38.0	41.5	45.2	51.9	58.6	65.9	73.6	81.4	91.9
-20°	33.7	35.0	36.3	39.5	42.9	47.7	54.2	60.6	68.0	75.3	83.2
-21.25°	33.2	34.3	35.6	37.5	40.7	43.9	49.6	55.8	62.1	69.2	76.1



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	32.9	33.5	34.8	36.0	38.5	41.6	44.8	50.9	56.8	62.9	69.6
-23.75°	32.6	33.1	34.0	35.1	36.3	39.2	42.2	45.8	51.5	57.1	62.9
-25°	32.2	32.7	33.2	34.3	35.4	36.8	39.7	42.5	46.1	51.5	56.8
-26.25°	31.9	32.4	32.9	33.4	34.5	35.6	37.1	39.8	42.5	45.8	50.9
-27.5°	31.7	32.0	32.5	32.9	33.5	34.6	35.6	37.1	39.7	42.2	44.8
-28.75°	31.5	31.8	32.1	32.5	33.0	33.6	34.6	35.6	36.8	39.2	41.6
-30°	31.3	31.5	31.8	32.1	32.6	33.0	33.5	34.5	35.4	36.3	38.5
-31.25°	31.1	31.3	31.6	31.8	32.1	32.5	32.9	33.4	34.3	35.1	36.0
-32.5°	30.9	31.1	31.3	31.6	31.8	32.1	32.5	32.9	33.2	34.0	34.8
-33.75°	30.8	30.9	31.1	31.3	31.5	31.8	32.0	32.4	32.7	33.1	33.5
-35°	30.6	30.8	30.9	31.1	31.3	31.5	31.7	31.9	32.2	32.6	32.9
-36.25°	30.3	30.6	30.8	30.9	31.1	31.2	31.4	31.6	31.8	32.0	32.3
-37.5°	30.1	30.3	30.5	30.7	30.9	31.0	31.1	31.3	31.5	31.7	31.9
-38.75°	29.7	30.0	30.3	30.5	30.7	30.8	31.0	31.1	31.2	31.4	31.6
-40°	29.3	29.7	30.0	30.2	30.4	30.6	30.8	30.9	31.0	31.1	31.2
-41.25°	28.9	29.2	29.6	29.9	30.1	30.3	30.5	30.7	30.8	30.9	31.0
-42.5°	28.4	28.8	29.1	29.4	29.7	30.0	30.2	30.3	30.5	30.7	30.8
-43.75°	28.0	28.3	28.6	28.9	29.2	29.5	29.8	30.0	30.2	30.3	30.5
-45°	27.5	27.8	28.1	28.4	28.7	29.0	29.3	29.6	29.8	30.0	30.2
-46.25°	26.9	27.4	27.7	27.9	28.2	28.5	28.8	29.0	29.3	29.5	29.7
-47.5°	26.3	26.7	27.1	27.4	27.7	28.0	28.2	28.5	28.7	29.0	29.2
-48.75°	25.6	26.0	26.4	26.8	27.2	27.5	27.7	28.0	28.2	28.4	28.6
-50°	24.9	25.3	25.7	26.1	26.5	26.8	27.1	27.4	27.6	27.8	28.0
-51.25°	24.1	24.5	25.0	25.4	25.7	26.1	26.4	26.7	27.0	27.3	27.5
-52.5°	23.3	23.7	24.1	24.5	24.9	25.3	25.6	25.9	26.2	26.5	26.7
-53.75°	22.5	22.9	23.3	23.7	24.1	24.4	24.8	25.1	25.4	25.7	25.9
-55°	21.7	22.1	22.5	22.8	23.2	23.6	23.9	24.2	24.5	24.8	25.1
-56.25°	20.7	21.2	21.6	22.0	22.3	22.7	23.0	23.3	23.6	23.9	24.1
-57.5°	19.5	20.0	20.5	21.0	21.4	21.7	22.0	22.4	22.6	22.9	23.2
-58.75°	18.4	18.9	19.3	19.8	20.2	20.7	21.1	21.4	21.7	21.9	22.2
-60°	17.2	17.7	18.1	18.6	19.0	19.4	19.8	20.2	20.5	20.9	21.2
-61.25°	16.0	16.4	16.9	17.3	17.7	18.1	18.5	18.9	19.2	19.5	19.9
-62.5°	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.5	17.9	18.2	18.5
-63.75°	13.8	14.2	14.5	14.8	15.1	15.5	15.8	16.2	16.5	16.8	17.1
-65°	12.9	13.2	13.5	13.8	14.1	14.3	14.6	14.9	15.1	15.4	15.7
-66.25°	12.0	12.2	12.5	12.7	13.0	13.3	13.5	13.8	14.0	14.2	14.4
-67.5°	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.7	12.9	13.1	13.3
-68.75°	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.0	12.2
-70°	9.6	9.7	9.9	10.1	10.2	10.4	10.5	10.7	10.9	11.1	11.2
-71.25°	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
-72.5°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.4	9.5
-73.75°	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6	8.7
-75°	7.7	7.8	7.8	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3
-76.25°	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.8	7.8	7.9
-77.5°	6.6	6.7	6.8	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.3



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	6.0	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
-80°	5.3	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	5.9	6.0
-81.25°	4.6	4.6	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-82.5°	3.8	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4
-83.75°	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.5	3.6
-85°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.7	2.7	2.7
-86.25°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	2.0
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
85°	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
82.5°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7
81.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
80°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
78.75°	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1
77.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7
76.25°	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2
75°	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.6
73.75°	8.8	8.9	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
72.5°	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
71.25°	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
70°	11.4	11.5	11.6	11.8	11.9	12.0	12.1	12.2	12.2	12.3	12.4
68.75°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.3	13.4	13.5	13.6
67.5°	13.5	13.7	13.8	14.0	14.2	14.3	14.4	14.5	14.6	14.7	14.8
66.25°	14.6	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.3
65°	16.0	16.2	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.7	17.8
63.75°	17.4	17.7	17.9	18.1	18.4	18.5	18.7	18.9	19.1	19.2	19.3
62.5°	18.8	19.1	19.3	19.6	19.8	20.0	20.2	20.4	20.5	20.7	20.8
61.25°	20.2	20.4	20.7	21.0	21.2	21.4	21.5	21.6	21.8	21.9	22.0
60°	21.4	21.7	21.9	22.1	22.2	22.4	22.6	22.7	22.8	23.0	23.1
58.75°	22.4	22.7	22.9	23.1	23.3	23.5	23.6	23.8	23.9	24.0	24.1
57.5°	23.4	23.7	23.9	24.1	24.3	24.5	24.6	24.8	24.9	25.0	25.1
56.25°	24.4	24.6	24.9	25.1	25.3	25.5	25.6	25.8	25.9	26.0	26.1
55°	25.3	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.9	27.0
53.75°	26.2	26.4	26.6	26.8	27.0	27.2	27.3	27.4	27.5	27.6	27.7
52.5°	27.0	27.2	27.4	27.6	27.7	27.8	28.0	28.1	28.2	28.3	28.3
51.25°	27.7	27.8	28.0	28.2	28.3	28.4	28.6	28.7	28.8	28.9	29.0
50°	28.2	28.4	28.6	28.8	28.9	29.1	29.2	29.3	29.4	29.5	29.6
48.75°	28.8	29.0	29.2	29.4	29.5	29.7	29.8	29.9	30.0	30.1	30.1
47.5°	29.4	29.6	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.4	30.5
46.25°	29.9	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.7	30.8	30.8
45°	30.3	30.4	30.6	30.7	30.8	30.8	30.9	30.9	31.0	31.0	31.1
43.75°	30.6	30.7	30.8	30.9	31.0	31.0	31.1	31.2	31.2	31.3	31.4
42.5°	30.9	31.0	31.1	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8
41.25°	31.1	31.2	31.3	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.3
40°	31.4	31.5	31.7	31.8	32.0	32.1	32.3	32.5	32.6	32.8	32.9
38.75°	31.7	31.9	32.1	32.3	32.5	32.7	32.9	33.1	33.2	33.5	33.8
37.5°	32.1	32.4	32.6	32.9	33.1	33.3	33.8	34.2	34.6	35.0	35.3
36.25°	32.6	32.9	33.2	33.6	34.2	34.7	35.2	35.7	36.1	36.7	37.5
35°	33.2	33.7	34.4	35.0	35.6	36.2	37.1	38.4	39.5	40.6	41.5



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 CATALOG NUMBER: 1003-[A1, 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°	34.3	35.0	35.7	36.4	37.9	39.5	40.9	42.2	43.4	44.5	46.3
32.5°	35.6	36.3	38.0	39.8	41.5	43.1	44.6	47.4	49.9	52.2	54.2
31.25°	37.5	39.5	41.5	43.4	45.7	49.0	52.1	55.0	57.6	60.0	62.3
30°	40.7	42.9	45.2	49.1	52.8	56.2	59.5	62.8	66.0	69.0	71.6
28.75°	43.9	47.7	51.9	56.0	59.8	63.9	67.9	71.6	75.1	78.2	81.1
27.5°	49.6	54.2	58.6	63.1	67.9	72.4	76.6	80.5	85.4	89.9	97.1
26.25°	55.8	60.6	65.9	71.1	76.1	80.9	86.9	94.1	105.6	116.8	134.9
25°	62.1	68.0	73.6	79.0	85.6	93.6	107.6	125.7	149.1	174.3	201.8
23.75°	69.2	75.3	81.4	89.2	103.0	121.8	150.2	183.5	218.8	255.9	291.0
22.5°	76.1	83.2	91.9	109.8	138.0	173.2	216.0	262.0	307.0	354.0	396.5
21.25°	83.7	94.6	113.9	149.0	193.4	243.6	298.0	354.9	410.1	465.7	516.4
20°	94.6	115.5	154.5	205.6	263.9	326.3	391.8	459.3	524.1	585.7	640.7
18.75°	113.9	154.5	209.7	274.1	344.5	418.4	495.1	570.3	640.4	703.8	758.6
17.5°	149.0	205.6	274.1	350.6	432.5	517.4	601.7	679.7	750.3	812.8	872.2
16.25°	193.4	263.9	344.5	432.5	525.0	617.5	703.7	781.0	854.1	923.8	989.5
15°	243.6	326.3	418.4	517.4	617.5	711.8	796.6	879.6	960.1	1036.6	1107.9
13.75°	298.0	391.8	495.1	601.7	703.7	796.6	888.2	978.6	1065.9	1148.4	1222.1
12.5°	354.9	459.3	570.3	679.7	781.0	879.6	978.6	1075.8	1168.4	1253.3	1328.1
11.25°	410.1	524.1	640.4	750.3	854.1	960.1	1065.9	1168.4	1263.3	1349.3	1424.4
10°	465.7	585.7	703.8	812.8	923.8	1036.6	1148.4	1253.3	1349.3	1434.9	1510.5
8.75°	516.4	640.7	758.6	872.2	989.5	1107.9	1222.1	1328.1	1424.4	1510.5	1587.9
7.5°	563.0	688.8	806.2	925.5	1048.6	1171.0	1286.7	1393.2	1489.7	1577.2	1655.6
6.25°	603.1	729.8	848.8	973.3	1100.7	1225.3	1342.2	1449.1	1545.9	1634.7	1714.2
5°	635.9	762.0	885.0	1013.3	1144.4	1269.9	1386.8	1493.7	1592.3	1681.6	1764.1
3.75°	661.5	787.4	913.5	1045.2	1178.1	1304.5	1422.0	1529.6	1628.8	1719.0	1803.0
2.5°	679.9	805.7	934.5	1068.6	1202.6	1329.7	1447.6	1554.8	1654.4	1746.5	1832.0
1.25°	691.1	816.8	947.4	1082.8	1217.4	1345.1	1462.2	1570.1	1670.1	1763.5	1848.7
0°	694.8	820.5	951.8	1087.6	1222.4	1350.2	1467.1	1575.3	1675.4	1769.2	1854.1
-1.25°	691.1	816.8	947.4	1082.8	1217.4	1345.1	1462.2	1570.1	1670.1	1763.5	1848.7
-2.5°	679.9	805.7	934.5	1068.6	1202.6	1329.7	1447.6	1554.8	1654.4	1746.5	1832.0
-3.75°	661.5	787.4	913.5	1045.2	1178.1	1304.5	1422.0	1529.6	1628.8	1719.0	1803.0
-5°	635.9	762.0	885.0	1013.3	1144.4	1269.9	1386.8	1493.7	1592.3	1681.6	1764.1
-6.25°	603.1	729.8	848.8	973.3	1100.7	1225.3	1342.2	1449.1	1545.9	1634.7	1714.2
-7.5°	563.0	688.8	806.2	925.5	1048.6	1171.0	1286.7	1393.2	1489.7	1577.2	1655.6
-8.75°	516.4	640.7	758.6	872.2	989.5	1107.9	1222.1	1328.1	1424.4	1510.5	1587.9
-10°	465.7	585.7	703.8	812.8	923.8	1036.6	1148.4	1253.3	1349.3	1434.9	1510.5
-11.25°	410.1	524.1	640.4	750.3	854.1	960.1	1065.9	1168.4	1263.3	1349.3	1424.4
-12.5°	354.9	459.3	570.3	679.7	781.0	879.6	978.6	1075.8	1168.4	1253.3	1328.1
-13.75°	298.0	391.8	495.1	601.7	703.7	796.6	888.2	978.6	1065.9	1148.4	1222.1
-15°	243.6	326.3	418.4	517.4	617.5	711.8	796.6	879.6	960.1	1036.6	1107.9
-16.25°	193.4	263.9	344.5	432.5	525.0	617.5	703.7	781.0	854.1	923.8	989.5
-17.5°	149.0	205.6	274.1	350.6	432.5	517.4	601.7	679.7	750.3	812.8	872.2
-18.75°	113.9	154.5	209.7	274.1	344.5	418.4	495.1	570.3	640.4	703.8	758.6
-20°	94.6	115.5	154.5	205.6	263.9	326.3	391.8	459.3	524.1	585.7	640.7
-21.25°	83.7	94.6	113.9	149.0	193.4	243.6	298.0	354.9	410.1	465.7	516.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	76.1	83.2	91.9	109.8	138.0	173.2	216.0	262.0	307.0	354.0	396.5
-23.75°	69.2	75.3	81.4	89.2	103.0	121.8	150.2	183.5	218.8	255.9	291.0
-25°	62.1	68.0	73.6	79.0	85.6	93.6	107.6	125.7	149.1	174.3	201.8
-26.25°	55.8	60.6	65.9	71.1	76.1	80.9	86.9	94.1	105.6	116.8	134.9
-27.5°	49.6	54.2	58.6	63.1	67.9	72.4	76.6	80.5	85.4	89.9	97.1
-28.75°	43.9	47.7	51.9	56.0	59.8	63.9	67.9	71.6	75.1	78.2	81.1
-30°	40.7	42.9	45.2	49.1	52.8	56.2	59.5	62.8	66.0	69.0	71.6
-31.25°	37.5	39.5	41.5	43.4	45.7	49.0	52.1	55.0	57.6	60.0	62.3
-32.5°	35.6	36.3	38.0	39.8	41.5	43.1	44.6	47.4	49.9	52.2	54.2
-33.75°	34.3	35.0	35.7	36.4	37.9	39.5	40.9	42.2	43.4	44.5	46.3
-35°	33.2	33.7	34.4	35.0	35.6	36.2	37.1	38.4	39.5	40.6	41.5
-36.25°	32.6	32.9	33.2	33.6	34.2	34.7	35.2	35.7	36.1	36.7	37.5
-37.5°	32.1	32.4	32.6	32.9	33.1	33.3	33.8	34.2	34.6	35.0	35.3
-38.75°	31.7	31.9	32.1	32.3	32.5	32.7	32.9	33.1	33.2	33.5	33.8
-40°	31.4	31.5	31.7	31.8	32.0	32.1	32.3	32.5	32.6	32.8	32.9
-41.25°	31.1	31.2	31.3	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.3
-42.5°	30.9	31.0	31.1	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8
-43.75°	30.6	30.7	30.8	30.9	31.0	31.0	31.1	31.2	31.2	31.3	31.4
-45°	30.3	30.4	30.6	30.7	30.8	30.8	30.9	30.9	31.0	31.0	31.1
-46.25°	29.9	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.7	30.8	30.8
-47.5°	29.4	29.6	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.4	30.5
-48.75°	28.8	29.0	29.2	29.4	29.5	29.7	29.8	29.9	30.0	30.1	30.1
-50°	28.2	28.4	28.6	28.8	28.9	29.1	29.2	29.3	29.4	29.5	29.6
-51.25°	27.7	27.8	28.0	28.2	28.3	28.4	28.6	28.7	28.8	28.9	29.0
-52.5°	27.0	27.2	27.4	27.6	27.7	27.8	28.0	28.1	28.2	28.3	28.3
-53.75°	26.2	26.4	26.6	26.8	27.0	27.2	27.3	27.4	27.5	27.6	27.7
-55°	25.3	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.9	27.0
-56.25°	24.4	24.6	24.9	25.1	25.3	25.5	25.6	25.8	25.9	26.0	26.1
-57.5°	23.4	23.7	23.9	24.1	24.3	24.5	24.6	24.8	24.9	25.0	25.1
-58.75°	22.4	22.7	22.9	23.1	23.3	23.5	23.6	23.8	23.9	24.0	24.1
-60°	21.4	21.7	21.9	22.1	22.2	22.4	22.6	22.7	22.8	23.0	23.1
-61.25°	20.2	20.4	20.7	21.0	21.2	21.4	21.5	21.6	21.8	21.9	22.0
-62.5°	18.8	19.1	19.3	19.6	19.8	20.0	20.2	20.4	20.5	20.7	20.8
-63.75°	17.4	17.7	17.9	18.1	18.4	18.5	18.7	18.9	19.1	19.2	19.3
-65°	16.0	16.2	16.5	16.7	16.9	17.1	17.3	17.4	17.6	17.7	17.8
-66.25°	14.6	14.8	15.0	15.2	15.4	15.6	15.8	15.9	16.1	16.2	16.3
-67.5°	13.5	13.7	13.8	14.0	14.2	14.3	14.4	14.5	14.6	14.7	14.8
-68.75°	12.4	12.5	12.7	12.8	13.0	13.1	13.2	13.3	13.4	13.5	13.6
-70°	11.4	11.5	11.6	11.8	11.9	12.0	12.1	12.2	12.2	12.3	12.4
-71.25°	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.2	11.3
-72.5°	9.6	9.7	9.7	9.8	9.9	10.0	10.0	10.1	10.2	10.2	10.3
-73.75°	8.8	8.9	8.9	9.0	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-75°	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6	8.6
-76.25°	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1	8.2	8.2	8.2
-77.5°	7.4	7.4	7.4	7.5	7.5	7.6	7.6	7.6	7.7	7.7	7.7



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 CATALOG NUMBER: 1003-[A1, 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°
-78.75°	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1
-80°	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.3	6.4	6.4	6.4
-81.25°	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6
-82.5°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7
-83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8
-85°	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0
-86.25°	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1
-87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
83.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
81.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.1	7.1
77.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
76.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
73.75°	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.5	9.5	9.5	9.5
72.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
71.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
68.75°	13.7	13.7	13.8	13.8	13.8	13.8	13.9	13.8	13.8	13.8	13.8
67.5°	14.9	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.0	15.0
66.25°	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.5
65°	17.9	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
63.75°	19.4	19.5	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.6	19.6
62.5°	20.9	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.1
61.25°	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.2	22.2
60°	23.2	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
58.75°	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.4	24.4	24.4	24.3
57.5°	25.2	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4
56.25°	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
55°	27.1	27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.2	27.2
53.75°	27.8	27.8	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
52.5°	28.4	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.5
51.25°	29.0	29.1	29.2	29.2	29.2	29.2	29.3	29.2	29.2	29.2	29.2
50°	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.8	29.8
48.75°	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.2
47.5°	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.6
46.25°	30.9	30.9	30.9	30.9	30.9	30.9	31.0	30.9	30.9	30.9	30.9
45°	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
43.75°	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.5
42.5°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
41.25°	32.4	32.4	32.5	32.6	32.6	32.6	32.7	32.6	32.6	32.6	32.5
40°	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.2	33.2
38.75°	34.1	34.3	34.5	34.7	34.8	34.8	34.9	34.8	34.8	34.7	34.5
37.5°	35.6	35.9	36.0	36.2	36.3	36.4	36.4	36.4	36.3	36.2	36.0
36.25°	38.3	39.0	39.5	40.0	40.3	40.4	40.5	40.4	40.3	40.0	39.5
35°	42.3	43.0	43.6	44.0	44.3	44.5	44.6	44.5	44.3	44.0	43.6



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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°	48.0	49.5	50.7	51.6	52.3	52.7	52.8	52.7	52.3	51.6	50.7
32.5°	56.0	57.5	58.8	59.7	60.4	60.9	61.0	60.9	60.4	59.7	58.8
31.25°	64.5	66.4	68.0	69.2	70.0	70.6	70.8	70.6	70.0	69.2	68.0
30°	74.0	75.9	77.6	78.8	79.8	80.3	80.5	80.3	79.8	78.8	77.6
28.75°	84.5	87.4	89.7	91.9	94.9	96.7	97.3	96.7	94.9	91.9	89.7
27.5°	104.9	111.6	119.0	127.4	133.4	137.0	138.3	137.0	133.4	127.4	119.0
26.25°	150.9	165.9	182.2	194.9	204.1	209.6	211.4	209.6	204.1	194.9	182.2
25°	226.0	250.7	271.5	287.8	299.6	306.6	309.0	306.6	299.6	287.8	271.5
23.75°	323.8	354.3	379.6	399.5	415.1	424.8	428.0	424.8	415.1	399.5	379.6
22.5°	437.8	473.9	503.8	528.3	546.1	556.9	560.5	556.9	546.1	528.3	503.8
21.25°	563.0	603.1	635.9	661.5	679.9	691.1	694.8	691.1	679.9	661.5	635.9
20°	688.8	729.8	762.0	787.4	805.7	816.8	820.5	816.8	805.7	787.4	762.0
18.75°	806.2	848.8	885.0	913.5	934.5	947.4	951.8	947.4	934.5	913.5	885.0
17.5°	925.5	973.3	1013.3	1045.2	1068.6	1082.8	1087.6	1082.8	1068.6	1045.2	1013.3
16.25°	1048.6	1100.7	1144.4	1178.1	1202.6	1217.4	1222.4	1217.4	1202.6	1178.1	1144.4
15°	1171.0	1225.3	1269.9	1304.5	1329.7	1345.1	1350.2	1345.1	1329.7	1304.5	1269.9
13.75°	1286.7	1342.2	1386.8	1422.0	1447.6	1462.2	1467.1	1462.2	1447.6	1422.0	1386.8
12.5°	1393.2	1449.1	1493.7	1529.6	1554.8	1570.1	1575.3	1570.1	1554.8	1529.6	1493.7
11.25°	1489.7	1545.9	1592.3	1628.8	1654.4	1670.1	1675.4	1670.1	1654.4	1628.8	1592.3
10°	1577.2	1634.7	1681.6	1719.0	1746.5	1763.5	1769.2	1763.5	1746.5	1719.0	1681.6
8.75°	1655.6	1714.2	1764.1	1803.0	1832.0	1848.7	1854.1	1848.7	1832.0	1803.0	1764.1
7.5°	1725.1	1786.5	1838.4	1876.7	1905.1	1921.4	1927.0	1921.4	1905.1	1876.7	1838.4
6.25°	1786.5	1849.2	1900.0	1938.6	1965.5	1980.6	1985.8	1980.6	1965.5	1938.6	1900.0
5°	1838.4	1900.0	1950.4	1985.9	2009.7	2023.8	2028.8	2023.8	2009.7	1985.9	1950.4
3.75°	1876.7	1938.6	1985.9	2019.0	2040.8	2053.8	2056.7	2053.8	2040.8	2019.0	1985.9
2.5°	1905.1	1965.5	2009.7	2040.8	2059.7	2068.6	2070.4	2068.6	2059.7	2040.8	2009.7
1.25°	1921.4	1980.6	2023.8	2053.8	2068.6	2074.9	2078.3	2074.9	2068.6	2053.8	2023.8
0°	1927.0	1985.8	2028.8	2056.7	2070.4	2078.3	2085.9	2078.3	2070.4	2056.7	2028.8
-1.25°	1921.4	1980.6	2023.8	2053.8	2068.6	2074.9	2078.3	2074.9	2068.6	2053.8	2023.8
-2.5°	1905.1	1965.5	2009.7	2040.8	2059.7	2068.6	2070.4	2068.6	2059.7	2040.8	2009.7
-3.75°	1876.7	1938.6	1985.9	2019.0	2040.8	2053.8	2056.7	2053.8	2040.8	2019.0	1985.9
-5°	1838.4	1900.0	1950.4	1985.9	2009.7	2023.8	2028.8	2023.8	2009.7	1985.9	1950.4
-6.25°	1786.5	1849.2	1900.0	1938.6	1965.5	1980.6	1985.8	1980.6	1965.5	1938.6	1900.0
-7.5°	1725.1	1786.5	1838.4	1876.7	1905.1	1921.4	1927.0	1921.4	1905.1	1876.7	1838.4
-8.75°	1655.6	1714.2	1764.1	1803.0	1832.0	1848.7	1854.1	1848.7	1832.0	1803.0	1764.1
-10°	1577.2	1634.7	1681.6	1719.0	1746.5	1763.5	1769.2	1763.5	1746.5	1719.0	1681.6
-11.25°	1489.7	1545.9	1592.3	1628.8	1654.4	1670.1	1675.4	1670.1	1654.4	1628.8	1592.3
-12.5°	1393.2	1449.1	1493.7	1529.6	1554.8	1570.1	1575.3	1570.1	1554.8	1529.6	1493.7
-13.75°	1286.7	1342.2	1386.8	1422.0	1447.6	1462.2	1467.1	1462.2	1447.6	1422.0	1386.8
-15°	1171.0	1225.3	1269.9	1304.5	1329.7	1345.1	1350.2	1345.1	1329.7	1304.5	1269.9
-16.25°	1048.6	1100.7	1144.4	1178.1	1202.6	1217.4	1222.4	1217.4	1202.6	1178.1	1144.4
-17.5°	925.5	973.3	1013.3	1045.2	1068.6	1082.8	1087.6	1082.8	1068.6	1045.2	1013.3
-18.75°	806.2	848.8	885.0	913.5	934.5	947.4	951.8	947.4	934.5	913.5	885.0
-20°	688.8	729.8	762.0	787.4	805.7	816.8	820.5	816.8	805.7	787.4	762.0
-21.25°	563.0	603.1	635.9	661.5	679.9	691.1	694.8	691.1	679.9	661.5	635.9



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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°	437.8	473.9	503.8	528.3	546.1	556.9	560.5	556.9	546.1	528.3	503.8
-23.75°	323.8	354.3	379.6	399.5	415.1	424.8	428.0	424.8	415.1	399.5	379.6
-25°	226.0	250.7	271.5	287.8	299.6	306.6	309.0	306.6	299.6	287.8	271.5
-26.25°	150.9	165.9	182.2	194.9	204.1	209.6	211.4	209.6	204.1	194.9	182.2
-27.5°	104.9	111.6	119.0	127.4	133.4	137.0	138.3	137.0	133.4	127.4	119.0
-28.75°	84.5	87.4	89.7	91.9	94.9	96.7	97.3	96.7	94.9	91.9	89.7
-30°	74.0	75.9	77.6	78.8	79.8	80.3	80.5	80.3	79.8	78.8	77.6
-31.25°	64.5	66.4	68.0	69.2	70.0	70.6	70.8	70.6	70.0	69.2	68.0
-32.5°	56.0	57.5	58.8	59.7	60.4	60.9	61.0	60.9	60.4	59.7	58.8
-33.75°	48.0	49.5	50.7	51.6	52.3	52.7	52.8	52.7	52.3	51.6	50.7
-35°	42.3	43.0	43.6	44.0	44.3	44.5	44.6	44.5	44.3	44.0	43.6
-36.25°	38.3	39.0	39.5	40.0	40.3	40.4	40.5	40.4	40.3	40.0	39.5
-37.5°	35.6	35.9	36.0	36.2	36.3	36.4	36.4	36.4	36.3	36.2	36.0
-38.75°	34.1	34.3	34.5	34.7	34.8	34.8	34.9	34.8	34.8	34.7	34.5
-40°	33.0	33.1	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.2	33.2
-41.25°	32.4	32.4	32.5	32.6	32.6	32.6	32.7	32.6	32.6	32.6	32.5
-42.5°	31.8	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	31.9
-43.75°	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.5
-45°	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
-46.25°	30.9	30.9	30.9	30.9	30.9	30.9	31.0	30.9	30.9	30.9	30.9
-47.5°	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.6
-48.75°	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.2
-50°	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.8	29.8
-51.25°	29.0	29.1	29.2	29.2	29.2	29.2	29.3	29.2	29.2	29.2	29.2
-52.5°	28.4	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.5
-53.75°	27.8	27.8	27.9	27.9	27.9	27.9	28.0	27.9	27.9	27.9	27.9
-55°	27.1	27.1	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.2	27.2
-56.25°	26.2	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.3	26.3
-57.5°	25.2	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4
-58.75°	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.4	24.4	24.4	24.3
-60°	23.2	23.2	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.3
-61.25°	22.1	22.1	22.2	22.2	22.3	22.3	22.3	22.3	22.3	22.2	22.2
-62.5°	20.9	21.0	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.1	21.1
-63.75°	19.4	19.5	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.6	19.6
-65°	17.9	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.1	18.1
-66.25°	16.4	16.5	16.5	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.5
-67.5°	14.9	15.0	15.0	15.0	15.1	15.1	15.1	15.1	15.1	15.0	15.0
-68.75°	13.7	13.7	13.8	13.8	13.8	13.8	13.9	13.8	13.8	13.8	13.8
-70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-71.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
-72.5°	10.3	10.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
-73.75°	9.5	9.5	9.5	9.5	9.5	9.5	9.6	9.5	9.5	9.5	9.5
-75°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
-76.25°	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.2
-77.5°	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.2	7.1	7.1	7.1	7.1
-80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-81.25°	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.6	5.6	5.6
-82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
-83.75°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
-85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
-86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.1	2.1	2.1	2.1
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
83.75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7
82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5
81.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
78.75°	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.8
77.5°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4
76.25°	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
75°	8.7	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4
73.75°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
72.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
71.25°	11.4	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
70°	12.5	12.4	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.8	11.6
68.75°	13.7	13.7	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.8	12.7
67.5°	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.0	13.8
66.25°	16.5	16.4	16.3	16.2	16.1	15.9	15.8	15.6	15.4	15.2	15.0
65°	18.0	17.9	17.8	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5
63.75°	19.5	19.4	19.3	19.2	19.1	18.9	18.7	18.5	18.4	18.1	17.9
62.5°	21.0	20.9	20.8	20.7	20.5	20.4	20.2	20.0	19.8	19.6	19.3
61.25°	22.1	22.1	22.0	21.9	21.8	21.6	21.5	21.4	21.2	21.0	20.7
60°	23.2	23.2	23.1	23.0	22.8	22.7	22.6	22.4	22.2	22.1	21.9
58.75°	24.3	24.2	24.1	24.0	23.9	23.8	23.6	23.5	23.3	23.1	22.9
57.5°	25.3	25.2	25.1	25.0	24.9	24.8	24.6	24.5	24.3	24.1	23.9
56.25°	26.2	26.2	26.1	26.0	25.9	25.8	25.6	25.5	25.3	25.1	24.9
55°	27.1	27.1	27.0	26.9	26.7	26.6	26.5	26.3	26.2	26.0	25.8
53.75°	27.8	27.8	27.7	27.6	27.5	27.4	27.3	27.2	27.0	26.8	26.6
52.5°	28.5	28.4	28.3	28.3	28.2	28.1	28.0	27.8	27.7	27.6	27.4
51.25°	29.1	29.0	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.2	28.0
50°	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	28.9	28.8	28.6
48.75°	30.2	30.2	30.1	30.1	30.0	29.9	29.8	29.7	29.5	29.4	29.2
47.5°	30.6	30.6	30.5	30.4	30.4	30.3	30.2	30.1	30.0	29.9	29.8
46.25°	30.9	30.9	30.8	30.8	30.7	30.7	30.6	30.5	30.4	30.3	30.2
45°	31.1	31.1	31.1	31.0	31.0	30.9	30.9	30.8	30.8	30.7	30.6
43.75°	31.5	31.4	31.4	31.3	31.2	31.2	31.1	31.0	31.0	30.9	30.8
42.5°	31.9	31.8	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.1
41.25°	32.4	32.4	32.3	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.3
40°	33.1	33.0	32.9	32.8	32.6	32.5	32.3	32.1	32.0	31.8	31.7
38.75°	34.3	34.1	33.8	33.5	33.2	33.1	32.9	32.7	32.5	32.3	32.1
37.5°	35.9	35.6	35.3	35.0	34.6	34.2	33.8	33.3	33.1	32.9	32.6
36.25°	39.0	38.3	37.5	36.7	36.1	35.7	35.2	34.7	34.2	33.6	33.2
35°	43.0	42.3	41.5	40.6	39.5	38.4	37.1	36.2	35.6	35.0	34.4



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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°	49.5	48.0	46.3	44.5	43.4	42.2	40.9	39.5	37.9	36.4	35.7
32.5°	57.5	56.0	54.2	52.2	49.9	47.4	44.6	43.1	41.5	39.8	38.0
31.25°	66.4	64.5	62.3	60.0	57.6	55.0	52.1	49.0	45.7	43.4	41.5
30°	75.9	74.0	71.6	69.0	66.0	62.8	59.5	56.2	52.8	49.1	45.2
28.75°	87.4	84.5	81.1	78.2	75.1	71.6	67.9	63.9	59.8	56.0	51.9
27.5°	111.6	104.9	97.1	89.9	85.4	80.5	76.6	72.4	67.9	63.1	58.6
26.25°	165.9	150.9	134.9	116.8	105.6	94.1	86.9	80.9	76.1	71.1	65.9
25°	250.7	226.0	201.8	174.3	149.1	125.7	107.6	93.6	85.6	79.0	73.6
23.75°	354.3	323.8	291.0	255.9	218.8	183.5	150.2	121.8	103.0	89.2	81.4
22.5°	473.9	437.8	396.5	354.0	307.0	262.0	216.0	173.2	138.0	109.8	91.9
21.25°	603.1	563.0	516.4	465.7	410.1	354.9	298.0	243.6	193.4	149.0	113.9
20°	729.8	688.8	640.7	585.7	524.1	459.3	391.8	326.3	263.9	205.6	154.5
18.75°	848.8	806.2	758.6	703.8	640.4	570.3	495.1	418.4	344.5	274.1	209.7
17.5°	973.3	925.5	872.2	812.8	750.3	679.7	601.7	517.4	432.5	350.6	274.1
16.25°	1100.7	1048.6	989.5	923.8	854.1	781.0	703.7	617.5	525.0	432.5	344.5
15°	1225.3	1171.0	1107.9	1036.6	960.1	879.6	796.6	711.8	617.5	517.4	418.4
13.75°	1342.2	1286.7	1222.1	1148.4	1065.9	978.6	888.2	796.6	703.7	601.7	495.1
12.5°	1449.1	1393.2	1328.1	1253.3	1168.4	1075.8	978.6	879.6	781.0	679.7	570.3
11.25°	1545.9	1489.7	1424.4	1349.3	1263.3	1168.4	1065.9	960.1	854.1	750.3	640.4
10°	1634.7	1577.2	1510.5	1434.9	1349.3	1253.3	1148.4	1036.6	923.8	812.8	703.8
8.75°	1714.2	1655.6	1587.9	1510.5	1424.4	1328.1	1222.1	1107.9	989.5	872.2	758.6
7.5°	1786.5	1725.1	1655.6	1577.2	1489.7	1393.2	1286.7	1171.0	1048.6	925.5	806.2
6.25°	1849.2	1786.5	1714.2	1634.7	1545.9	1449.1	1342.2	1225.3	1100.7	973.3	848.8
5°	1900.0	1838.4	1764.1	1681.6	1592.3	1493.7	1386.8	1269.9	1144.4	1013.3	885.0
3.75°	1938.6	1876.7	1803.0	1719.0	1628.8	1529.6	1422.0	1304.5	1178.1	1045.2	913.5
2.5°	1965.5	1905.1	1832.0	1746.5	1654.4	1554.8	1447.6	1329.7	1202.6	1068.6	934.5
1.25°	1980.6	1921.4	1848.7	1763.5	1670.1	1570.1	1462.2	1345.1	1217.4	1082.8	947.4
0°	1985.8	1927.0	1854.1	1769.2	1675.4	1575.3	1467.1	1350.2	1222.4	1087.6	951.8
-1.25°	1980.6	1921.4	1848.7	1763.5	1670.1	1570.1	1462.2	1345.1	1217.4	1082.8	947.4
-2.5°	1965.5	1905.1	1832.0	1746.5	1654.4	1554.8	1447.6	1329.7	1202.6	1068.6	934.5
-3.75°	1938.6	1876.7	1803.0	1719.0	1628.8	1529.6	1422.0	1304.5	1178.1	1045.2	913.5
-5°	1900.0	1838.4	1764.1	1681.6	1592.3	1493.7	1386.8	1269.9	1144.4	1013.3	885.0
-6.25°	1849.2	1786.5	1714.2	1634.7	1545.9	1449.1	1342.2	1225.3	1100.7	973.3	848.8
-7.5°	1786.5	1725.1	1655.6	1577.2	1489.7	1393.2	1286.7	1171.0	1048.6	925.5	806.2
-8.75°	1714.2	1655.6	1587.9	1510.5	1424.4	1328.1	1222.1	1107.9	989.5	872.2	758.6
-10°	1634.7	1577.2	1510.5	1434.9	1349.3	1253.3	1148.4	1036.6	923.8	812.8	703.8
-11.25°	1545.9	1489.7	1424.4	1349.3	1263.3	1168.4	1065.9	960.1	854.1	750.3	640.4
-12.5°	1449.1	1393.2	1328.1	1253.3	1168.4	1075.8	978.6	879.6	781.0	679.7	570.3
-13.75°	1342.2	1286.7	1222.1	1148.4	1065.9	978.6	888.2	796.6	703.7	601.7	495.1
-15°	1225.3	1171.0	1107.9	1036.6	960.1	879.6	796.6	711.8	617.5	517.4	418.4
-16.25°	1100.7	1048.6	989.5	923.8	854.1	781.0	703.7	617.5	525.0	432.5	344.5
-17.5°	973.3	925.5	872.2	812.8	750.3	679.7	601.7	517.4	432.5	350.6	274.1
-18.75°	848.8	806.2	758.6	703.8	640.4	570.3	495.1	418.4	344.5	274.1	209.7
-20°	729.8	688.8	640.7	585.7	524.1	459.3	391.8	326.3	263.9	205.6	154.5
-21.25°	603.1	563.0	516.4	465.7	410.1	354.9	298.0	243.6	193.4	149.0	113.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	473.9	437.8	396.5	354.0	307.0	262.0	216.0	173.2	138.0	109.8	91.9
-23.75°	354.3	323.8	291.0	255.9	218.8	183.5	150.2	121.8	103.0	89.2	81.4
-25°	250.7	226.0	201.8	174.3	149.1	125.7	107.6	93.6	85.6	79.0	73.6
-26.25°	165.9	150.9	134.9	116.8	105.6	94.1	86.9	80.9	76.1	71.1	65.9
-27.5°	111.6	104.9	97.1	89.9	85.4	80.5	76.6	72.4	67.9	63.1	58.6
-28.75°	87.4	84.5	81.1	78.2	75.1	71.6	67.9	63.9	59.8	56.0	51.9
-30°	75.9	74.0	71.6	69.0	66.0	62.8	59.5	56.2	52.8	49.1	45.2
-31.25°	66.4	64.5	62.3	60.0	57.6	55.0	52.1	49.0	45.7	43.4	41.5
-32.5°	57.5	56.0	54.2	52.2	49.9	47.4	44.6	43.1	41.5	39.8	38.0
-33.75°	49.5	48.0	46.3	44.5	43.4	42.2	40.9	39.5	37.9	36.4	35.7
-35°	43.0	42.3	41.5	40.6	39.5	38.4	37.1	36.2	35.6	35.0	34.4
-36.25°	39.0	38.3	37.5	36.7	36.1	35.7	35.2	34.7	34.2	33.6	33.2
-37.5°	35.9	35.6	35.3	35.0	34.6	34.2	33.8	33.3	33.1	32.9	32.6
-38.75°	34.3	34.1	33.8	33.5	33.2	33.1	32.9	32.7	32.5	32.3	32.1
-40°	33.1	33.0	32.9	32.8	32.6	32.5	32.3	32.1	32.0	31.8	31.7
-41.25°	32.4	32.4	32.3	32.1	32.0	31.9	31.8	31.7	31.6	31.5	31.3
-42.5°	31.9	31.8	31.8	31.7	31.6	31.5	31.4	31.3	31.2	31.1	31.1
-43.75°	31.5	31.4	31.4	31.3	31.2	31.2	31.1	31.0	31.0	30.9	30.8
-45°	31.1	31.1	31.1	31.0	31.0	30.9	30.9	30.8	30.8	30.7	30.6
-46.25°	30.9	30.9	30.8	30.8	30.7	30.7	30.6	30.5	30.4	30.3	30.2
-47.5°	30.6	30.6	30.5	30.4	30.4	30.3	30.2	30.1	30.0	29.9	29.8
-48.75°	30.2	30.2	30.1	30.1	30.0	29.9	29.8	29.7	29.5	29.4	29.2
-50°	29.8	29.7	29.6	29.5	29.4	29.3	29.2	29.1	28.9	28.8	28.6
-51.25°	29.1	29.0	29.0	28.9	28.8	28.7	28.6	28.4	28.3	28.2	28.0
-52.5°	28.5	28.4	28.3	28.3	28.2	28.1	28.0	27.8	27.7	27.6	27.4
-53.75°	27.8	27.8	27.7	27.6	27.5	27.4	27.3	27.2	27.0	26.8	26.6
-55°	27.1	27.1	27.0	26.9	26.7	26.6	26.5	26.3	26.2	26.0	25.8
-56.25°	26.2	26.2	26.1	26.0	25.9	25.8	25.6	25.5	25.3	25.1	24.9
-57.5°	25.3	25.2	25.1	25.0	24.9	24.8	24.6	24.5	24.3	24.1	23.9
-58.75°	24.3	24.2	24.1	24.0	23.9	23.8	23.6	23.5	23.3	23.1	22.9
-60°	23.2	23.2	23.1	23.0	22.8	22.7	22.6	22.4	22.2	22.1	21.9
-61.25°	22.1	22.1	22.0	21.9	21.8	21.6	21.5	21.4	21.2	21.0	20.7
-62.5°	21.0	20.9	20.8	20.7	20.5	20.4	20.2	20.0	19.8	19.6	19.3
-63.75°	19.5	19.4	19.3	19.2	19.1	18.9	18.7	18.5	18.4	18.1	17.9
-65°	18.0	17.9	17.8	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5
-66.25°	16.5	16.4	16.3	16.2	16.1	15.9	15.8	15.6	15.4	15.2	15.0
-67.5°	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.2	14.0	13.8
-68.75°	13.7	13.7	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.8	12.7
-70°	12.5	12.4	12.4	12.3	12.2	12.2	12.1	12.0	11.9	11.8	11.6
-71.25°	11.4	11.4	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.7	10.6
-72.5°	10.3	10.3	10.3	10.2	10.2	10.1	10.0	10.0	9.9	9.8	9.7
-73.75°	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.0	8.9
-75°	8.7	8.7	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4
-76.25°	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
-77.5°	7.8	7.7	7.7	7.7	7.7	7.6	7.6	7.6	7.5	7.5	7.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°
-78.75°	7.1	7.1	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	6.8
-80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2	6.1
-81.25°	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.4	5.3
-82.5°	4.8	4.8	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5
-83.75°	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7
-85°	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
-86.25°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
86.25°	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
85°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
83.75°	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2
82.5°	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
81.25°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
80°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4
78.75°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
77.5°	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.0	6.9	6.8	6.8
76.25°	7.9	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3
75°	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
73.75°	8.9	8.8	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
72.5°	9.7	9.6	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6
71.25°	10.5	10.4	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2
70°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.4	10.2	10.1	9.9
68.75°	12.5	12.4	12.2	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7
67.5°	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.0	11.8	11.6
66.25°	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.0	12.7	12.5
65°	16.2	16.0	15.7	15.4	15.1	14.9	14.6	14.3	14.1	13.8	13.5
63.75°	17.7	17.4	17.1	16.8	16.5	16.2	15.8	15.5	15.1	14.8	14.5
62.5°	19.1	18.8	18.5	18.2	17.9	17.5	17.2	16.8	16.4	16.0	15.6
61.25°	20.4	20.2	19.9	19.5	19.2	18.9	18.5	18.1	17.7	17.3	16.9
60°	21.7	21.4	21.2	20.9	20.5	20.2	19.8	19.4	19.0	18.6	18.1
58.75°	22.7	22.4	22.2	21.9	21.7	21.4	21.1	20.7	20.2	19.8	19.3
57.5°	23.7	23.4	23.2	22.9	22.6	22.4	22.0	21.7	21.4	21.0	20.5
56.25°	24.6	24.4	24.1	23.9	23.6	23.3	23.0	22.7	22.3	22.0	21.6
55°	25.6	25.3	25.1	24.8	24.5	24.2	23.9	23.6	23.2	22.8	22.5
53.75°	26.4	26.2	25.9	25.7	25.4	25.1	24.8	24.4	24.1	23.7	23.3
52.5°	27.2	27.0	26.7	26.5	26.2	25.9	25.6	25.3	24.9	24.5	24.1
51.25°	27.8	27.7	27.5	27.3	27.0	26.7	26.4	26.1	25.7	25.4	25.0
50°	28.4	28.2	28.0	27.8	27.6	27.4	27.1	26.8	26.5	26.1	25.7
48.75°	29.0	28.8	28.6	28.4	28.2	28.0	27.7	27.5	27.2	26.8	26.4
47.5°	29.6	29.4	29.2	29.0	28.7	28.5	28.2	28.0	27.7	27.4	27.1
46.25°	30.1	29.9	29.7	29.5	29.3	29.0	28.8	28.5	28.2	27.9	27.7
45°	30.4	30.3	30.2	30.0	29.8	29.6	29.3	29.0	28.7	28.4	28.1
43.75°	30.7	30.6	30.5	30.3	30.2	30.0	29.8	29.5	29.2	28.9	28.6
42.5°	31.0	30.9	30.8	30.7	30.5	30.3	30.2	30.0	29.7	29.4	29.1
41.25°	31.2	31.1	31.0	30.9	30.8	30.7	30.5	30.3	30.1	29.9	29.6
40°	31.5	31.4	31.2	31.1	31.0	30.9	30.8	30.6	30.4	30.2	30.0
38.75°	31.9	31.7	31.6	31.4	31.2	31.1	31.0	30.8	30.7	30.5	30.3
37.5°	32.4	32.1	31.9	31.7	31.5	31.3	31.1	31.0	30.9	30.7	30.5
36.25°	32.9	32.6	32.3	32.0	31.8	31.6	31.4	31.2	31.1	30.9	30.8
35°	33.7	33.2	32.9	32.6	32.2	31.9	31.7	31.5	31.3	31.1	30.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	35.0	34.3	33.5	33.1	32.7	32.4	32.0	31.8	31.5	31.3	31.1
32.5°	36.3	35.6	34.8	34.0	33.2	32.9	32.5	32.1	31.8	31.6	31.3
31.25°	39.5	37.5	36.0	35.1	34.3	33.4	32.9	32.5	32.1	31.8	31.6
30°	42.9	40.7	38.5	36.3	35.4	34.5	33.5	33.0	32.6	32.1	31.8
28.75°	47.7	43.9	41.6	39.2	36.8	35.6	34.6	33.6	33.0	32.5	32.1
27.5°	54.2	49.6	44.8	42.2	39.7	37.1	35.6	34.6	33.5	32.9	32.5
26.25°	60.6	55.8	50.9	45.8	42.5	39.8	37.1	35.6	34.5	33.4	32.9
25°	68.0	62.1	56.8	51.5	46.1	42.5	39.7	36.8	35.4	34.3	33.2
23.75°	75.3	69.2	62.9	57.1	51.5	45.8	42.2	39.2	36.3	35.1	34.0
22.5°	83.2	76.1	69.6	62.9	56.8	50.9	44.8	41.6	38.5	36.0	34.8
21.25°	94.6	83.7	76.1	69.2	62.1	55.8	49.6	43.9	40.7	37.5	35.6
20°	115.5	94.6	83.2	75.3	68.0	60.6	54.2	47.7	42.9	39.5	36.3
18.75°	154.5	113.9	91.9	81.4	73.6	65.9	58.6	51.9	45.2	41.5	38.0
17.5°	205.6	149.0	109.8	89.2	79.0	71.1	63.1	56.0	49.1	43.4	39.8
16.25°	263.9	193.4	138.0	103.0	85.6	76.1	67.9	59.8	52.8	45.7	41.5
15°	326.3	243.6	173.2	121.8	93.6	80.9	72.4	63.9	56.2	49.0	43.1
13.75°	391.8	298.0	216.0	150.2	107.6	86.9	76.6	67.9	59.5	52.1	44.6
12.5°	459.3	354.9	262.0	183.5	125.7	94.1	80.5	71.6	62.8	55.0	47.4
11.25°	524.1	410.1	307.0	218.8	149.1	105.6	85.4	75.1	66.0	57.6	49.9
10°	585.7	465.7	354.0	255.9	174.3	116.8	89.9	78.2	69.0	60.0	52.2
8.75°	640.7	516.4	396.5	291.0	201.8	134.9	97.1	81.1	71.6	62.3	54.2
7.5°	688.8	563.0	437.8	323.8	226.0	150.9	104.9	84.5	74.0	64.5	56.0
6.25°	729.8	603.1	473.9	354.3	250.7	165.9	111.6	87.4	75.9	66.4	57.5
5°	762.0	635.9	503.8	379.6	271.5	182.2	119.0	89.7	77.6	68.0	58.8
3.75°	787.4	661.5	528.3	399.5	287.8	194.9	127.4	91.9	78.8	69.2	59.7
2.5°	805.7	679.9	546.1	415.1	299.6	204.1	133.4	94.9	79.8	70.0	60.4
1.25°	816.8	691.1	556.9	424.8	306.6	209.6	137.0	96.7	80.3	70.6	60.9
0°	820.5	694.8	560.5	428.0	309.0	211.4	138.3	97.3	80.5	70.8	61.0
-1.25°	816.8	691.1	556.9	424.8	306.6	209.6	137.0	96.7	80.3	70.6	60.9
-2.5°	805.7	679.9	546.1	415.1	299.6	204.1	133.4	94.9	79.8	70.0	60.4
-3.75°	787.4	661.5	528.3	399.5	287.8	194.9	127.4	91.9	78.8	69.2	59.7
-5°	762.0	635.9	503.8	379.6	271.5	182.2	119.0	89.7	77.6	68.0	58.8
-6.25°	729.8	603.1	473.9	354.3	250.7	165.9	111.6	87.4	75.9	66.4	57.5
-7.5°	688.8	563.0	437.8	323.8	226.0	150.9	104.9	84.5	74.0	64.5	56.0
-8.75°	640.7	516.4	396.5	291.0	201.8	134.9	97.1	81.1	71.6	62.3	54.2
-10°	585.7	465.7	354.0	255.9	174.3	116.8	89.9	78.2	69.0	60.0	52.2
-11.25°	524.1	410.1	307.0	218.8	149.1	105.6	85.4	75.1	66.0	57.6	49.9
-12.5°	459.3	354.9	262.0	183.5	125.7	94.1	80.5	71.6	62.8	55.0	47.4
-13.75°	391.8	298.0	216.0	150.2	107.6	86.9	76.6	67.9	59.5	52.1	44.6
-15°	326.3	243.6	173.2	121.8	93.6	80.9	72.4	63.9	56.2	49.0	43.1
-16.25°	263.9	193.4	138.0	103.0	85.6	76.1	67.9	59.8	52.8	45.7	41.5
-17.5°	205.6	149.0	109.8	89.2	79.0	71.1	63.1	56.0	49.1	43.4	39.8
-18.75°	154.5	113.9	91.9	81.4	73.6	65.9	58.6	51.9	45.2	41.5	38.0
-20°	115.5	94.6	83.2	75.3	68.0	60.6	54.2	47.7	42.9	39.5	36.3
-21.25°	94.6	83.7	76.1	69.2	62.1	55.8	49.6	43.9	40.7	37.5	35.6



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	83.2	76.1	69.6	62.9	56.8	50.9	44.8	41.6	38.5	36.0	34.8
-23.75°	75.3	69.2	62.9	57.1	51.5	45.8	42.2	39.2	36.3	35.1	34.0
-25°	68.0	62.1	56.8	51.5	46.1	42.5	39.7	36.8	35.4	34.3	33.2
-26.25°	60.6	55.8	50.9	45.8	42.5	39.8	37.1	35.6	34.5	33.4	32.9
-27.5°	54.2	49.6	44.8	42.2	39.7	37.1	35.6	34.6	33.5	32.9	32.5
-28.75°	47.7	43.9	41.6	39.2	36.8	35.6	34.6	33.6	33.0	32.5	32.1
-30°	42.9	40.7	38.5	36.3	35.4	34.5	33.5	33.0	32.6	32.1	31.8
-31.25°	39.5	37.5	36.0	35.1	34.3	33.4	32.9	32.5	32.1	31.8	31.6
-32.5°	36.3	35.6	34.8	34.0	33.2	32.9	32.5	32.1	31.8	31.6	31.3
-33.75°	35.0	34.3	33.5	33.1	32.7	32.4	32.0	31.8	31.5	31.3	31.1
-35°	33.7	33.2	32.9	32.6	32.2	31.9	31.7	31.5	31.3	31.1	30.9
-36.25°	32.9	32.6	32.3	32.0	31.8	31.6	31.4	31.2	31.1	30.9	30.8
-37.5°	32.4	32.1	31.9	31.7	31.5	31.3	31.1	31.0	30.9	30.7	30.5
-38.75°	31.9	31.7	31.6	31.4	31.2	31.1	31.0	30.8	30.7	30.5	30.3
-40°	31.5	31.4	31.2	31.1	31.0	30.9	30.8	30.6	30.4	30.2	30.0
-41.25°	31.2	31.1	31.0	30.9	30.8	30.7	30.5	30.3	30.1	29.9	29.6
-42.5°	31.0	30.9	30.8	30.7	30.5	30.3	30.2	30.0	29.7	29.4	29.1
-43.75°	30.7	30.6	30.5	30.3	30.2	30.0	29.8	29.5	29.2	28.9	28.6
-45°	30.4	30.3	30.2	30.0	29.8	29.6	29.3	29.0	28.7	28.4	28.1
-46.25°	30.1	29.9	29.7	29.5	29.3	29.0	28.8	28.5	28.2	27.9	27.7
-47.5°	29.6	29.4	29.2	29.0	28.7	28.5	28.2	28.0	27.7	27.4	27.1
-48.75°	29.0	28.8	28.6	28.4	28.2	28.0	27.7	27.5	27.2	26.8	26.4
-50°	28.4	28.2	28.0	27.8	27.6	27.4	27.1	26.8	26.5	26.1	25.7
-51.25°	27.8	27.7	27.5	27.3	27.0	26.7	26.4	26.1	25.7	25.4	25.0
-52.5°	27.2	27.0	26.7	26.5	26.2	25.9	25.6	25.3	24.9	24.5	24.1
-53.75°	26.4	26.2	25.9	25.7	25.4	25.1	24.8	24.4	24.1	23.7	23.3
-55°	25.6	25.3	25.1	24.8	24.5	24.2	23.9	23.6	23.2	22.8	22.5
-56.25°	24.6	24.4	24.1	23.9	23.6	23.3	23.0	22.7	22.3	22.0	21.6
-57.5°	23.7	23.4	23.2	22.9	22.6	22.4	22.0	21.7	21.4	21.0	20.5
-58.75°	22.7	22.4	22.2	21.9	21.7	21.4	21.1	20.7	20.2	19.8	19.3
-60°	21.7	21.4	21.2	20.9	20.5	20.2	19.8	19.4	19.0	18.6	18.1
-61.25°	20.4	20.2	19.9	19.5	19.2	18.9	18.5	18.1	17.7	17.3	16.9
-62.5°	19.1	18.8	18.5	18.2	17.9	17.5	17.2	16.8	16.4	16.0	15.6
-63.75°	17.7	17.4	17.1	16.8	16.5	16.2	15.8	15.5	15.1	14.8	14.5
-65°	16.2	16.0	15.7	15.4	15.1	14.9	14.6	14.3	14.1	13.8	13.5
-66.25°	14.8	14.6	14.4	14.2	14.0	13.8	13.5	13.3	13.0	12.7	12.5
-67.5°	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.0	11.8	11.6
-68.75°	12.5	12.4	12.2	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7
-70°	11.5	11.4	11.2	11.1	10.9	10.7	10.5	10.4	10.2	10.1	9.9
-71.25°	10.5	10.4	10.2	10.1	10.0	9.9	9.8	9.6	9.5	9.3	9.2
-72.5°	9.7	9.6	9.5	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6
-73.75°	8.9	8.8	8.7	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2
-75°	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8
-76.25°	7.9	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3
-77.5°	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.0	6.9	6.8	6.8



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
-80°	6.1	6.0	6.0	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.4
-81.25°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
-82.5°	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0
-83.75°	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2
-85°	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5
-86.25°	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9
83.75°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
82.5°	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
81.25°	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
80°	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
78.75°	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0
77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6
76.25°	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.1
75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7
73.75°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1
72.5°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5
71.25°	9.0	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
70°	9.7	9.6	9.4	9.2	9.0	8.8	8.7	8.6	8.4	8.3	8.2
68.75°	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.6	8.5
67.5°	11.3	11.1	10.8	10.6	10.3	10.1	9.9	9.6	9.4	9.2	8.9
66.25°	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.2	10.0	9.8	9.5
65°	13.2	12.9	12.5	12.2	11.9	11.6	11.3	11.0	10.6	10.3	10.1
63.75°	14.2	13.8	13.5	13.1	12.8	12.4	12.1	11.7	11.4	11.0	10.7
62.5°	15.2	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.8	11.4
61.25°	16.4	16.0	15.5	15.0	14.6	14.2	13.8	13.4	12.9	12.5	12.1
60°	17.7	17.2	16.7	16.2	15.7	15.1	14.7	14.2	13.8	13.3	12.8
58.75°	18.9	18.4	17.9	17.3	16.8	16.2	15.7	15.1	14.6	14.1	13.6
57.5°	20.0	19.5	19.0	18.5	17.9	17.3	16.7	16.1	15.5	14.9	14.4
56.25°	21.2	20.7	20.1	19.6	19.0	18.4	17.8	17.2	16.5	15.9	15.2
55°	22.1	21.7	21.2	20.7	20.1	19.5	18.9	18.2	17.6	16.9	16.2
53.75°	22.9	22.5	22.1	21.6	21.2	20.5	19.9	19.2	18.5	17.8	17.1
52.5°	23.7	23.3	22.9	22.4	21.9	21.5	20.9	20.2	19.5	18.8	18.1
51.25°	24.5	24.1	23.7	23.2	22.7	22.2	21.7	21.2	20.5	19.7	19.0
50°	25.3	24.9	24.4	24.0	23.5	23.0	22.4	21.9	21.3	20.6	19.9
48.75°	26.0	25.6	25.2	24.7	24.2	23.7	23.2	22.6	22.0	21.5	20.8
47.5°	26.7	26.3	25.9	25.4	24.9	24.4	23.8	23.3	22.7	22.1	21.5
46.25°	27.4	26.9	26.5	26.1	25.6	25.1	24.5	23.9	23.4	22.8	22.1
45°	27.8	27.5	27.1	26.7	26.2	25.7	25.2	24.6	24.0	23.4	22.8
43.75°	28.3	28.0	27.6	27.3	26.8	26.3	25.8	25.2	24.6	24.0	23.4
42.5°	28.8	28.4	28.1	27.7	27.4	26.9	26.3	25.8	25.2	24.6	23.9
41.25°	29.2	28.9	28.5	28.1	27.8	27.4	26.9	26.3	25.8	25.2	24.5
40°	29.7	29.3	28.9	28.6	28.2	27.8	27.4	26.9	26.3	25.7	25.1
38.75°	30.0	29.7	29.4	29.0	28.6	28.2	27.8	27.4	26.8	26.2	25.6
37.5°	30.3	30.1	29.8	29.4	29.0	28.6	28.1	27.7	27.3	26.7	26.1
36.25°	30.6	30.3	30.1	29.8	29.4	28.9	28.5	28.1	27.6	27.1	26.5
35°	30.8	30.6	30.3	30.1	29.7	29.3	28.9	28.4	28.0	27.5	26.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	30.9	30.8	30.6	30.3	30.0	29.7	29.2	28.8	28.3	27.8	27.4
32.5°	31.1	30.9	30.8	30.5	30.3	30.0	29.6	29.1	28.6	28.1	27.7
31.25°	31.3	31.1	30.9	30.7	30.5	30.2	29.9	29.4	28.9	28.4	27.9
30°	31.5	31.3	31.1	30.9	30.7	30.4	30.1	29.7	29.2	28.7	28.2
28.75°	31.8	31.5	31.2	31.0	30.8	30.6	30.3	30.0	29.5	29.0	28.5
27.5°	32.0	31.7	31.4	31.1	31.0	30.8	30.5	30.2	29.8	29.3	28.8
26.25°	32.4	31.9	31.6	31.3	31.1	30.9	30.7	30.3	30.0	29.6	29.0
25°	32.7	32.2	31.8	31.5	31.2	31.0	30.8	30.5	30.2	29.8	29.3
23.75°	33.1	32.6	32.0	31.7	31.4	31.1	30.9	30.7	30.3	30.0	29.5
22.5°	33.5	32.9	32.3	31.9	31.6	31.2	31.0	30.8	30.5	30.2	29.7
21.25°	34.3	33.2	32.6	32.1	31.7	31.4	31.1	30.9	30.6	30.3	29.9
20°	35.0	33.7	32.9	32.4	31.9	31.5	31.2	31.0	30.7	30.4	30.1
18.75°	35.7	34.4	33.2	32.6	32.1	31.7	31.3	31.1	30.8	30.6	30.2
17.5°	36.4	35.0	33.6	32.9	32.3	31.8	31.5	31.1	30.9	30.7	30.3
16.25°	37.9	35.6	34.2	33.1	32.5	32.0	31.6	31.2	31.0	30.8	30.4
15°	39.5	36.2	34.7	33.3	32.7	32.1	31.7	31.3	31.0	30.8	30.5
13.75°	40.9	37.1	35.2	33.8	32.9	32.3	31.8	31.4	31.1	30.9	30.6
12.5°	42.2	38.4	35.7	34.2	33.1	32.5	31.9	31.5	31.2	30.9	30.7
11.25°	43.4	39.5	36.1	34.6	33.2	32.6	32.0	31.6	31.2	31.0	30.7
10°	44.5	40.6	36.7	35.0	33.5	32.8	32.1	31.7	31.3	31.0	30.8
8.75°	46.3	41.5	37.5	35.3	33.8	32.9	32.3	31.8	31.4	31.1	30.8
7.5°	48.0	42.3	38.3	35.6	34.1	33.0	32.4	31.8	31.4	31.1	30.9
6.25°	49.5	43.0	39.0	35.9	34.3	33.1	32.4	31.9	31.5	31.1	30.9
5°	50.7	43.6	39.5	36.0	34.5	33.2	32.5	31.9	31.5	31.2	30.9
3.75°	51.6	44.0	40.0	36.2	34.7	33.2	32.6	32.0	31.6	31.2	30.9
2.5°	52.3	44.3	40.3	36.3	34.8	33.3	32.6	32.0	31.6	31.2	30.9
1.25°	52.7	44.5	40.4	36.4	34.8	33.3	32.6	32.0	31.6	31.2	30.9
0°	52.8	44.6	40.5	36.4	34.9	33.3	32.7	32.0	31.6	31.2	31.0
-1.25°	52.7	44.5	40.4	36.4	34.8	33.3	32.6	32.0	31.6	31.2	30.9
-2.5°	52.3	44.3	40.3	36.3	34.8	33.3	32.6	32.0	31.6	31.2	30.9
-3.75°	51.6	44.0	40.0	36.2	34.7	33.2	32.6	32.0	31.6	31.2	30.9
-5°	50.7	43.6	39.5	36.0	34.5	33.2	32.5	31.9	31.5	31.2	30.9
-6.25°	49.5	43.0	39.0	35.9	34.3	33.1	32.4	31.9	31.5	31.1	30.9
-7.5°	48.0	42.3	38.3	35.6	34.1	33.0	32.4	31.8	31.4	31.1	30.9
-8.75°	46.3	41.5	37.5	35.3	33.8	32.9	32.3	31.8	31.4	31.1	30.8
-10°	44.5	40.6	36.7	35.0	33.5	32.8	32.1	31.7	31.3	31.0	30.8
-11.25°	43.4	39.5	36.1	34.6	33.2	32.6	32.0	31.6	31.2	31.0	30.7
-12.5°	42.2	38.4	35.7	34.2	33.1	32.5	31.9	31.5	31.2	30.9	30.7
-13.75°	40.9	37.1	35.2	33.8	32.9	32.3	31.8	31.4	31.1	30.9	30.6
-15°	39.5	36.2	34.7	33.3	32.7	32.1	31.7	31.3	31.0	30.8	30.5
-16.25°	37.9	35.6	34.2	33.1	32.5	32.0	31.6	31.2	31.0	30.8	30.4
-17.5°	36.4	35.0	33.6	32.9	32.3	31.8	31.5	31.1	30.9	30.7	30.3
-18.75°	35.7	34.4	33.2	32.6	32.1	31.7	31.3	31.1	30.8	30.6	30.2
-20°	35.0	33.7	32.9	32.4	31.9	31.5	31.2	31.0	30.7	30.4	30.1
-21.25°	34.3	33.2	32.6	32.1	31.7	31.4	31.1	30.9	30.6	30.3	29.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	33.5	32.9	32.3	31.9	31.6	31.2	31.0	30.8	30.5	30.2	29.7
-23.75°	33.1	32.6	32.0	31.7	31.4	31.1	30.9	30.7	30.3	30.0	29.5
-25°	32.7	32.2	31.8	31.5	31.2	31.0	30.8	30.5	30.2	29.8	29.3
-26.25°	32.4	31.9	31.6	31.3	31.1	30.9	30.7	30.3	30.0	29.6	29.0
-27.5°	32.0	31.7	31.4	31.1	31.0	30.8	30.5	30.2	29.8	29.3	28.8
-28.75°	31.8	31.5	31.2	31.0	30.8	30.6	30.3	30.0	29.5	29.0	28.5
-30°	31.5	31.3	31.1	30.9	30.7	30.4	30.1	29.7	29.2	28.7	28.2
-31.25°	31.3	31.1	30.9	30.7	30.5	30.2	29.9	29.4	28.9	28.4	27.9
-32.5°	31.1	30.9	30.8	30.5	30.3	30.0	29.6	29.1	28.6	28.1	27.7
-33.75°	30.9	30.8	30.6	30.3	30.0	29.7	29.2	28.8	28.3	27.8	27.4
-35°	30.8	30.6	30.3	30.1	29.7	29.3	28.9	28.4	28.0	27.5	26.9
-36.25°	30.6	30.3	30.1	29.8	29.4	28.9	28.5	28.1	27.6	27.1	26.5
-37.5°	30.3	30.1	29.8	29.4	29.0	28.6	28.1	27.7	27.3	26.7	26.1
-38.75°	30.0	29.7	29.4	29.0	28.6	28.2	27.8	27.4	26.8	26.2	25.6
-40°	29.7	29.3	28.9	28.6	28.2	27.8	27.4	26.9	26.3	25.7	25.1
-41.25°	29.2	28.9	28.5	28.1	27.8	27.4	26.9	26.3	25.8	25.2	24.5
-42.5°	28.8	28.4	28.1	27.7	27.4	26.9	26.3	25.8	25.2	24.6	23.9
-43.75°	28.3	28.0	27.6	27.3	26.8	26.3	25.8	25.2	24.6	24.0	23.4
-45°	27.8	27.5	27.1	26.7	26.2	25.7	25.2	24.6	24.0	23.4	22.8
-46.25°	27.4	26.9	26.5	26.1	25.6	25.1	24.5	23.9	23.4	22.8	22.1
-47.5°	26.7	26.3	25.9	25.4	24.9	24.4	23.8	23.3	22.7	22.1	21.5
-48.75°	26.0	25.6	25.2	24.7	24.2	23.7	23.2	22.6	22.0	21.5	20.8
-50°	25.3	24.9	24.4	24.0	23.5	23.0	22.4	21.9	21.3	20.6	19.9
-51.25°	24.5	24.1	23.7	23.2	22.7	22.2	21.7	21.2	20.5	19.7	19.0
-52.5°	23.7	23.3	22.9	22.4	21.9	21.5	20.9	20.2	19.5	18.8	18.1
-53.75°	22.9	22.5	22.1	21.6	21.2	20.5	19.9	19.2	18.5	17.8	17.1
-55°	22.1	21.7	21.2	20.7	20.1	19.5	18.9	18.2	17.6	16.9	16.2
-56.25°	21.2	20.7	20.1	19.6	19.0	18.4	17.8	17.2	16.5	15.9	15.2
-57.5°	20.0	19.5	19.0	18.5	17.9	17.3	16.7	16.1	15.5	14.9	14.4
-58.75°	18.9	18.4	17.9	17.3	16.8	16.2	15.7	15.1	14.6	14.1	13.6
-60°	17.7	17.2	16.7	16.2	15.7	15.1	14.7	14.2	13.8	13.3	12.8
-61.25°	16.4	16.0	15.5	15.0	14.6	14.2	13.8	13.4	12.9	12.5	12.1
-62.5°	15.2	14.8	14.5	14.1	13.7	13.3	12.9	12.5	12.1	11.8	11.4
-63.75°	14.2	13.8	13.5	13.1	12.8	12.4	12.1	11.7	11.4	11.0	10.7
-65°	13.2	12.9	12.5	12.2	11.9	11.6	11.3	11.0	10.6	10.3	10.1
-66.25°	12.2	12.0	11.7	11.4	11.1	10.8	10.5	10.2	10.0	9.8	9.5
-67.5°	11.3	11.1	10.8	10.6	10.3	10.1	9.9	9.6	9.4	9.2	8.9
-68.75°	10.4	10.2	10.1	9.9	9.7	9.5	9.3	9.0	8.8	8.6	8.5
-70°	9.7	9.6	9.4	9.2	9.0	8.8	8.7	8.6	8.4	8.3	8.2
-71.25°	9.0	8.9	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9
-72.5°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.5
-73.75°	8.1	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1
-75°	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0	6.9	6.8	6.7
-76.25°	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.5	6.4	6.3	6.1
-77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.3	5.2	5.1	5.0
-80°	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4
-81.25°	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7
-82.5°	3.9	3.8	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1
-83.75°	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6	2.5
-85°	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0	1.9
-86.25°	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.4	1.4	1.4
-87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
85°	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.3
83.75°	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7
82.5°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
81.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
80°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	3.0
78.75°	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.7	3.6	3.4
77.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.9
76.25°	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3
75°	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.8
73.75°	7.0	6.8	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2
72.5°	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.2	6.0	5.8	5.6
71.25°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.5	6.2	6.0
70°	8.1	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4
68.75°	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.7
67.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.0
66.25°	9.2	9.0	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.3
65°	9.8	9.5	9.2	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.6
63.75°	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.4	8.2	8.1	7.9
62.5°	11.0	10.6	10.2	9.9	9.6	9.3	8.9	8.7	8.5	8.3	8.1
61.25°	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.0	8.7	8.5	8.3
60°	12.4	11.9	11.5	11.0	10.6	10.2	9.8	9.5	9.1	8.7	8.5
58.75°	13.1	12.6	12.1	11.7	11.2	10.7	10.3	9.9	9.5	9.1	8.7
57.5°	13.9	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.9	9.5	9.1
56.25°	14.6	14.1	13.5	12.9	12.4	11.9	11.4	10.8	10.3	9.9	9.5
55°	15.5	14.8	14.2	13.6	13.0	12.4	11.9	11.4	10.8	10.3	9.8
53.75°	16.4	15.7	14.9	14.3	13.7	13.1	12.4	11.9	11.3	10.7	10.2
52.5°	17.3	16.5	15.8	15.0	14.4	13.7	13.0	12.4	11.8	11.2	10.6
51.25°	18.2	17.4	16.6	15.8	15.0	14.3	13.6	12.9	12.3	11.7	11.0
50°	19.1	18.3	17.5	16.6	15.8	14.9	14.2	13.5	12.8	12.1	11.5
48.75°	19.9	19.1	18.3	17.4	16.5	15.7	14.8	14.1	13.3	12.6	11.9
47.5°	20.8	19.9	19.1	18.2	17.3	16.4	15.5	14.6	13.9	13.1	12.4
46.25°	21.5	20.8	19.9	19.0	18.1	17.1	16.2	15.2	14.4	13.6	12.8
45°	22.1	21.5	20.6	19.7	18.8	17.8	16.9	15.9	14.9	14.1	13.3
43.75°	22.7	22.0	21.3	20.5	19.5	18.5	17.6	16.5	15.5	14.6	13.8
42.5°	23.3	22.6	21.9	21.2	20.2	19.2	18.2	17.2	16.1	15.1	14.2
41.25°	23.8	23.2	22.4	21.7	20.9	19.9	18.9	17.8	16.7	15.7	14.7
40°	24.4	23.7	23.0	22.2	21.5	20.5	19.5	18.4	17.3	16.2	15.1
38.75°	24.9	24.2	23.5	22.7	21.9	21.2	20.1	19.0	17.9	16.8	15.7
37.5°	25.4	24.7	24.0	23.2	22.4	21.6	20.7	19.6	18.5	17.3	16.2
36.25°	25.9	25.2	24.4	23.7	22.9	22.1	21.2	20.1	19.0	17.9	16.7
35°	26.3	25.6	24.9	24.1	23.3	22.5	21.7	20.7	19.5	18.4	17.2



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	26.7	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.0	18.9	17.7
32.5°	27.1	26.4	25.7	25.0	24.1	23.3	22.5	21.6	20.5	19.3	18.1
31.25°	27.4	26.8	26.1	25.4	24.5	23.7	22.8	22.0	21.0	19.8	18.6
30°	27.7	27.2	26.5	25.7	24.9	24.1	23.2	22.3	21.4	20.2	19.0
28.75°	28.0	27.5	26.8	26.1	25.3	24.4	23.6	22.7	21.7	20.7	19.4
27.5°	28.2	27.7	27.1	26.4	25.6	24.8	23.9	23.0	22.0	21.1	19.8
26.25°	28.5	28.0	27.4	26.7	25.9	25.1	24.2	23.3	22.4	21.4	20.2
25°	28.7	28.2	27.6	27.0	26.2	25.4	24.5	23.6	22.6	21.7	20.5
23.75°	29.0	28.4	27.8	27.3	26.5	25.7	24.8	23.9	22.9	21.9	20.9
22.5°	29.2	28.6	28.0	27.5	26.7	25.9	25.1	24.1	23.2	22.2	21.2
21.25°	29.4	28.8	28.2	27.7	27.0	26.2	25.3	24.4	23.4	22.4	21.4
20°	29.6	29.0	28.4	27.8	27.2	26.4	25.6	24.6	23.7	22.7	21.7
18.75°	29.8	29.2	28.6	28.0	27.4	26.6	25.8	24.9	23.9	22.9	21.9
17.5°	29.9	29.4	28.8	28.2	27.6	26.8	26.0	25.1	24.1	23.1	22.1
16.25°	30.0	29.5	28.9	28.3	27.7	27.0	26.2	25.3	24.3	23.3	22.2
15°	30.1	29.7	29.1	28.4	27.8	27.2	26.3	25.5	24.5	23.5	22.4
13.75°	30.2	29.8	29.2	28.6	28.0	27.3	26.5	25.6	24.6	23.6	22.6
12.5°	30.3	29.9	29.3	28.7	28.1	27.4	26.6	25.8	24.8	23.8	22.7
11.25°	30.4	30.0	29.4	28.8	28.2	27.5	26.7	25.9	24.9	23.9	22.8
10°	30.4	30.1	29.5	28.9	28.3	27.6	26.9	26.0	25.0	24.0	23.0
8.75°	30.5	30.1	29.6	29.0	28.3	27.7	27.0	26.1	25.1	24.1	23.1
7.5°	30.6	30.2	29.7	29.0	28.4	27.8	27.1	26.2	25.2	24.2	23.2
6.25°	30.6	30.2	29.8	29.1	28.5	27.8	27.1	26.2	25.3	24.3	23.2
5°	30.6	30.2	29.8	29.2	28.5	27.9	27.2	26.3	25.4	24.3	23.3
3.75°	30.7	30.3	29.8	29.2	28.6	27.9	27.2	26.3	25.4	24.4	23.3
2.5°	30.7	30.3	29.9	29.2	28.6	27.9	27.3	26.4	25.5	24.4	23.4
1.25°	30.7	30.3	29.9	29.2	28.6	27.9	27.3	26.4	25.5	24.4	23.4
0°	30.7	30.3	29.9	29.3	28.6	28.0	27.3	26.4	25.5	24.5	23.4
-1.25°	30.7	30.3	29.9	29.2	28.6	27.9	27.3	26.4	25.5	24.4	23.4
-2.5°	30.7	30.3	29.9	29.2	28.6	27.9	27.3	26.4	25.5	24.4	23.4
-3.75°	30.7	30.3	29.8	29.2	28.6	27.9	27.2	26.3	25.4	24.4	23.3
-5°	30.6	30.2	29.8	29.2	28.5	27.9	27.2	26.3	25.4	24.3	23.3
-6.25°	30.6	30.2	29.8	29.1	28.5	27.8	27.1	26.2	25.3	24.3	23.2
-7.5°	30.6	30.2	29.7	29.0	28.4	27.8	27.1	26.2	25.2	24.2	23.2
-8.75°	30.5	30.1	29.6	29.0	28.3	27.7	27.0	26.1	25.1	24.1	23.1
-10°	30.4	30.1	29.5	28.9	28.3	27.6	26.9	26.0	25.0	24.0	23.0
-11.25°	30.4	30.0	29.4	28.8	28.2	27.5	26.7	25.9	24.9	23.9	22.8
-12.5°	30.3	29.9	29.3	28.7	28.1	27.4	26.6	25.8	24.8	23.8	22.7
-13.75°	30.2	29.8	29.2	28.6	28.0	27.3	26.5	25.6	24.6	23.6	22.6
-15°	30.1	29.7	29.1	28.4	27.8	27.2	26.3	25.5	24.5	23.5	22.4
-16.25°	30.0	29.5	28.9	28.3	27.7	27.0	26.2	25.3	24.3	23.3	22.2
-17.5°	29.9	29.4	28.8	28.2	27.6	26.8	26.0	25.1	24.1	23.1	22.1
-18.75°	29.8	29.2	28.6	28.0	27.4	26.6	25.8	24.9	23.9	22.9	21.9
-20°	29.6	29.0	28.4	27.8	27.2	26.4	25.6	24.6	23.7	22.7	21.7
-21.25°	29.4	28.8	28.2	27.7	27.0	26.2	25.3	24.4	23.4	22.4	21.4



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	29.2	28.6	28.0	27.5	26.7	25.9	25.1	24.1	23.2	22.2	21.2
-23.75°	29.0	28.4	27.8	27.3	26.5	25.7	24.8	23.9	22.9	21.9	20.9
-25°	28.7	28.2	27.6	27.0	26.2	25.4	24.5	23.6	22.6	21.7	20.5
-26.25°	28.5	28.0	27.4	26.7	25.9	25.1	24.2	23.3	22.4	21.4	20.2
-27.5°	28.2	27.7	27.1	26.4	25.6	24.8	23.9	23.0	22.0	21.1	19.8
-28.75°	28.0	27.5	26.8	26.1	25.3	24.4	23.6	22.7	21.7	20.7	19.4
-30°	27.7	27.2	26.5	25.7	24.9	24.1	23.2	22.3	21.4	20.2	19.0
-31.25°	27.4	26.8	26.1	25.4	24.5	23.7	22.8	22.0	21.0	19.8	18.6
-32.5°	27.1	26.4	25.7	25.0	24.1	23.3	22.5	21.6	20.5	19.3	18.1
-33.75°	26.7	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.0	18.9	17.7
-35°	26.3	25.6	24.9	24.1	23.3	22.5	21.7	20.7	19.5	18.4	17.2
-36.25°	25.9	25.2	24.4	23.7	22.9	22.1	21.2	20.1	19.0	17.9	16.7
-37.5°	25.4	24.7	24.0	23.2	22.4	21.6	20.7	19.6	18.5	17.3	16.2
-38.75°	24.9	24.2	23.5	22.7	21.9	21.2	20.1	19.0	17.9	16.8	15.7
-40°	24.4	23.7	23.0	22.2	21.5	20.5	19.5	18.4	17.3	16.2	15.1
-41.25°	23.8	23.2	22.4	21.7	20.9	19.9	18.9	17.8	16.7	15.7	14.7
-42.5°	23.3	22.6	21.9	21.2	20.2	19.2	18.2	17.2	16.1	15.1	14.2
-43.75°	22.7	22.0	21.3	20.5	19.5	18.5	17.6	16.5	15.5	14.6	13.8
-45°	22.1	21.5	20.6	19.7	18.8	17.8	16.9	15.9	14.9	14.1	13.3
-46.25°	21.5	20.8	19.9	19.0	18.1	17.1	16.2	15.2	14.4	13.6	12.8
-47.5°	20.8	19.9	19.1	18.2	17.3	16.4	15.5	14.6	13.9	13.1	12.4
-48.75°	19.9	19.1	18.3	17.4	16.5	15.7	14.8	14.1	13.3	12.6	11.9
-50°	19.1	18.3	17.5	16.6	15.8	14.9	14.2	13.5	12.8	12.1	11.5
-51.25°	18.2	17.4	16.6	15.8	15.0	14.3	13.6	12.9	12.3	11.7	11.0
-52.5°	17.3	16.5	15.8	15.0	14.4	13.7	13.0	12.4	11.8	11.2	10.6
-53.75°	16.4	15.7	14.9	14.3	13.7	13.1	12.4	11.9	11.3	10.7	10.2
-55°	15.5	14.8	14.2	13.6	13.0	12.4	11.9	11.4	10.8	10.3	9.8
-56.25°	14.6	14.1	13.5	12.9	12.4	11.9	11.4	10.8	10.3	9.9	9.5
-57.5°	13.9	13.3	12.8	12.3	11.8	11.3	10.8	10.3	9.9	9.5	9.1
-58.75°	13.1	12.6	12.1	11.7	11.2	10.7	10.3	9.9	9.5	9.1	8.7
-60°	12.4	11.9	11.5	11.0	10.6	10.2	9.8	9.5	9.1	8.7	8.5
-61.25°	11.7	11.3	10.8	10.4	10.1	9.7	9.4	9.0	8.7	8.5	8.3
-62.5°	11.0	10.6	10.2	9.9	9.6	9.3	8.9	8.7	8.5	8.3	8.1
-63.75°	10.3	10.0	9.7	9.4	9.1	8.8	8.6	8.4	8.2	8.1	7.9
-65°	9.8	9.5	9.2	8.9	8.7	8.5	8.4	8.2	8.0	7.9	7.6
-66.25°	9.2	9.0	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.3
-67.5°	8.7	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.0
-68.75°	8.4	8.3	8.1	8.0	7.9	7.7	7.5	7.3	7.1	6.9	6.7
-70°	8.1	8.0	7.9	7.7	7.5	7.4	7.2	7.0	6.8	6.6	6.4
-71.25°	7.8	7.7	7.5	7.3	7.2	7.0	6.8	6.6	6.5	6.2	6.0
-72.5°	7.4	7.2	7.1	6.9	6.8	6.6	6.5	6.2	6.0	5.8	5.6
-73.75°	7.0	6.8	6.7	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2
-75°	6.5	6.4	6.2	6.0	5.9	5.7	5.5	5.3	5.1	4.9	4.8
-76.25°	6.0	5.8	5.7	5.5	5.4	5.2	5.0	4.9	4.7	4.5	4.3
-77.5°	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.0	3.9



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9	3.7	3.6	3.4
-80°	4.3	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.1	3.0
-81.25°	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6
-82.5°	3.0	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
-83.75°	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9	1.8	1.7
-85°	1.9	1.8	1.8	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.3
-86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
-87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
83.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
82.5°	2.0	1.9	1.9	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.1
81.25°	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3
80°	2.9	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5
78.75°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7
77.5°	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0
76.25°	4.1	3.9	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
75°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4
73.75°	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.7
72.5°	5.4	5.1	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.1	2.9
71.25°	5.7	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1
70°	6.1	5.9	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.7	3.4
68.75°	6.5	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6
67.5°	6.8	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.8
66.25°	7.1	6.9	6.6	6.4	6.0	5.7	5.4	5.1	4.8	4.4	4.1
65°	7.4	7.2	6.9	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.3
63.75°	7.7	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5
62.5°	7.9	7.7	7.4	7.2	6.9	6.6	6.3	5.9	5.5	5.1	4.7
61.25°	8.1	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.4	5.0
60°	8.3	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2
58.75°	8.5	8.3	8.1	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4
57.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.1	6.8	6.5	6.0	5.6
56.25°	9.0	8.7	8.4	8.2	8.0	7.7	7.3	7.0	6.6	6.2	5.8
55°	9.4	8.9	8.6	8.4	8.1	7.9	7.5	7.2	6.8	6.5	6.0
53.75°	9.7	9.3	8.8	8.5	8.3	8.0	7.7	7.4	7.0	6.6	6.2
52.5°	10.1	9.6	9.1	8.7	8.4	8.1	7.9	7.5	7.2	6.8	6.4
51.25°	10.4	9.9	9.4	8.9	8.6	8.3	8.0	7.7	7.3	6.9	6.5
50°	10.8	10.2	9.7	9.2	8.7	8.4	8.1	7.9	7.5	7.1	6.7
48.75°	11.3	10.6	10.0	9.5	9.0	8.6	8.3	8.0	7.7	7.2	6.8
47.5°	11.7	11.0	10.3	9.8	9.2	8.7	8.4	8.1	7.8	7.4	7.0
46.25°	12.1	11.4	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5	7.1
45°	12.5	11.8	11.0	10.3	9.8	9.2	8.6	8.3	8.0	7.7	7.2
43.75°	12.9	12.1	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.8	7.4
42.5°	13.4	12.5	11.7	11.0	10.2	9.6	9.0	8.6	8.2	7.9	7.5
41.25°	13.8	12.9	12.1	11.3	10.5	9.9	9.3	8.7	8.3	8.0	7.6
40°	14.2	13.3	12.4	11.6	10.8	10.1	9.5	8.8	8.4	8.1	7.7
38.75°	14.6	13.7	12.8	11.9	11.1	10.3	9.7	9.0	8.5	8.2	7.8
37.5°	15.0	14.1	13.1	12.2	11.4	10.6	9.9	9.2	8.6	8.3	7.9
36.25°	15.5	14.5	13.5	12.5	11.7	10.8	10.1	9.4	8.7	8.4	8.0
35°	16.0	14.8	13.8	12.9	12.0	11.1	10.2	9.6	8.9	8.4	8.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	16.4	15.2	14.2	13.2	12.2	11.3	10.4	9.7	9.0	8.5	8.1
32.5°	16.9	15.6	14.5	13.5	12.5	11.6	10.7	9.9	9.2	8.6	8.2
31.25°	17.3	16.0	14.8	13.8	12.7	11.8	10.9	10.1	9.3	8.7	8.3
30°	17.7	16.4	15.1	14.1	13.0	12.0	11.1	10.2	9.5	8.8	8.3
28.75°	18.1	16.8	15.5	14.3	13.3	12.3	11.3	10.4	9.6	8.9	8.4
27.5°	18.5	17.2	15.8	14.6	13.5	12.5	11.5	10.5	9.8	9.0	8.5
26.25°	18.9	17.5	16.2	14.9	13.8	12.7	11.7	10.7	9.9	9.1	8.5
25°	19.2	17.9	16.5	15.1	14.0	12.9	11.9	10.9	10.0	9.3	8.6
23.75°	19.5	18.2	16.8	15.4	14.2	13.1	12.0	11.1	10.1	9.4	8.6
22.5°	19.9	18.5	17.1	15.7	14.4	13.3	12.2	11.2	10.2	9.5	8.7
21.25°	20.2	18.8	17.4	16.0	14.6	13.5	12.4	11.4	10.4	9.6	8.8
20°	20.4	19.1	17.7	16.2	14.8	13.7	12.5	11.5	10.5	9.7	8.9
18.75°	20.7	19.3	17.9	16.5	15.0	13.8	12.7	11.6	10.6	9.7	8.9
17.5°	21.0	19.6	18.1	16.7	15.2	14.0	12.8	11.8	10.7	9.8	9.0
16.25°	21.2	19.8	18.4	16.9	15.4	14.2	13.0	11.9	10.8	9.9	9.1
15°	21.4	20.0	18.5	17.1	15.6	14.3	13.1	12.0	10.9	10.0	9.2
13.75°	21.5	20.2	18.7	17.3	15.8	14.4	13.2	12.1	11.0	10.0	9.2
12.5°	21.6	20.4	18.9	17.4	15.9	14.5	13.3	12.2	11.1	10.1	9.3
11.25°	21.8	20.5	19.1	17.6	16.1	14.6	13.4	12.2	11.2	10.2	9.3
10°	21.9	20.7	19.2	17.7	16.2	14.7	13.5	12.3	11.2	10.2	9.4
8.75°	22.0	20.8	19.3	17.8	16.3	14.8	13.6	12.4	11.3	10.3	9.4
7.5°	22.1	20.9	19.4	17.9	16.4	14.9	13.7	12.4	11.4	10.3	9.5
6.25°	22.1	21.0	19.5	18.0	16.5	15.0	13.7	12.5	11.4	10.3	9.5
5°	22.2	21.1	19.6	18.1	16.5	15.0	13.8	12.5	11.4	10.4	9.5
3.75°	22.2	21.1	19.6	18.1	16.6	15.0	13.8	12.6	11.5	10.4	9.5
2.5°	22.3	21.2	19.7	18.2	16.6	15.1	13.8	12.6	11.5	10.4	9.5
1.25°	22.3	21.2	19.7	18.2	16.6	15.1	13.8	12.6	11.5	10.4	9.5
0°	22.3	21.2	19.7	18.2	16.7	15.1	13.9	12.6	11.5	10.4	9.6
-1.25°	22.3	21.2	19.7	18.2	16.6	15.1	13.8	12.6	11.5	10.4	9.5
-2.5°	22.3	21.2	19.7	18.2	16.6	15.1	13.8	12.6	11.5	10.4	9.5
-3.75°	22.2	21.1	19.6	18.1	16.6	15.0	13.8	12.6	11.5	10.4	9.5
-5°	22.2	21.1	19.6	18.1	16.5	15.0	13.8	12.5	11.4	10.4	9.5
-6.25°	22.1	21.0	19.5	18.0	16.5	15.0	13.7	12.5	11.4	10.3	9.5
-7.5°	22.1	20.9	19.4	17.9	16.4	14.9	13.7	12.4	11.4	10.3	9.5
-8.75°	22.0	20.8	19.3	17.8	16.3	14.8	13.6	12.4	11.3	10.3	9.4
-10°	21.9	20.7	19.2	17.7	16.2	14.7	13.5	12.3	11.2	10.2	9.4
-11.25°	21.8	20.5	19.1	17.6	16.1	14.6	13.4	12.2	11.2	10.2	9.3
-12.5°	21.6	20.4	18.9	17.4	15.9	14.5	13.3	12.2	11.1	10.1	9.3
-13.75°	21.5	20.2	18.7	17.3	15.8	14.4	13.2	12.1	11.0	10.0	9.2
-15°	21.4	20.0	18.5	17.1	15.6	14.3	13.1	12.0	10.9	10.0	9.2
-16.25°	21.2	19.8	18.4	16.9	15.4	14.2	13.0	11.9	10.8	9.9	9.1
-17.5°	21.0	19.6	18.1	16.7	15.2	14.0	12.8	11.8	10.7	9.8	9.0
-18.75°	20.7	19.3	17.9	16.5	15.0	13.8	12.7	11.6	10.6	9.7	8.9
-20°	20.4	19.1	17.7	16.2	14.8	13.7	12.5	11.5	10.5	9.7	8.9
-21.25°	20.2	18.8	17.4	16.0	14.6	13.5	12.4	11.4	10.4	9.6	8.8



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	19.9	18.5	17.1	15.7	14.4	13.3	12.2	11.2	10.2	9.5	8.7
-23.75°	19.5	18.2	16.8	15.4	14.2	13.1	12.0	11.1	10.1	9.4	8.6
-25°	19.2	17.9	16.5	15.1	14.0	12.9	11.9	10.9	10.0	9.3	8.6
-26.25°	18.9	17.5	16.2	14.9	13.8	12.7	11.7	10.7	9.9	9.1	8.5
-27.5°	18.5	17.2	15.8	14.6	13.5	12.5	11.5	10.5	9.8	9.0	8.5
-28.75°	18.1	16.8	15.5	14.3	13.3	12.3	11.3	10.4	9.6	8.9	8.4
-30°	17.7	16.4	15.1	14.1	13.0	12.0	11.1	10.2	9.5	8.8	8.3
-31.25°	17.3	16.0	14.8	13.8	12.7	11.8	10.9	10.1	9.3	8.7	8.3
-32.5°	16.9	15.6	14.5	13.5	12.5	11.6	10.7	9.9	9.2	8.6	8.2
-33.75°	16.4	15.2	14.2	13.2	12.2	11.3	10.4	9.7	9.0	8.5	8.1
-35°	16.0	14.8	13.8	12.9	12.0	11.1	10.2	9.6	8.9	8.4	8.1
-36.25°	15.5	14.5	13.5	12.5	11.7	10.8	10.1	9.4	8.7	8.4	8.0
-37.5°	15.0	14.1	13.1	12.2	11.4	10.6	9.9	9.2	8.6	8.3	7.9
-38.75°	14.6	13.7	12.8	11.9	11.1	10.3	9.7	9.0	8.5	8.2	7.8
-40°	14.2	13.3	12.4	11.6	10.8	10.1	9.5	8.8	8.4	8.1	7.7
-41.25°	13.8	12.9	12.1	11.3	10.5	9.9	9.3	8.7	8.3	8.0	7.6
-42.5°	13.4	12.5	11.7	11.0	10.2	9.6	9.0	8.6	8.2	7.9	7.5
-43.75°	12.9	12.1	11.4	10.6	10.0	9.4	8.8	8.4	8.1	7.8	7.4
-45°	12.5	11.8	11.0	10.3	9.8	9.2	8.6	8.3	8.0	7.7	7.2
-46.25°	12.1	11.4	10.7	10.1	9.5	8.9	8.5	8.2	7.9	7.5	7.1
-47.5°	11.7	11.0	10.3	9.8	9.2	8.7	8.4	8.1	7.8	7.4	7.0
-48.75°	11.3	10.6	10.0	9.5	9.0	8.6	8.3	8.0	7.7	7.2	6.8
-50°	10.8	10.2	9.7	9.2	8.7	8.4	8.1	7.9	7.5	7.1	6.7
-51.25°	10.4	9.9	9.4	8.9	8.6	8.3	8.0	7.7	7.3	6.9	6.5
-52.5°	10.1	9.6	9.1	8.7	8.4	8.1	7.9	7.5	7.2	6.8	6.4
-53.75°	9.7	9.3	8.8	8.5	8.3	8.0	7.7	7.4	7.0	6.6	6.2
-55°	9.4	8.9	8.6	8.4	8.1	7.9	7.5	7.2	6.8	6.5	6.0
-56.25°	9.0	8.7	8.4	8.2	8.0	7.7	7.3	7.0	6.6	6.2	5.8
-57.5°	8.7	8.5	8.2	8.0	7.8	7.5	7.1	6.8	6.5	6.0	5.6
-58.75°	8.5	8.3	8.1	7.9	7.6	7.3	6.9	6.6	6.2	5.8	5.4
-60°	8.3	8.1	7.9	7.6	7.3	7.0	6.7	6.4	6.0	5.6	5.2
-61.25°	8.1	7.9	7.7	7.4	7.1	6.8	6.5	6.1	5.7	5.4	5.0
-62.5°	7.9	7.7	7.4	7.2	6.9	6.6	6.3	5.9	5.5	5.1	4.7
-63.75°	7.7	7.4	7.2	6.9	6.6	6.3	6.0	5.6	5.3	4.9	4.5
-65°	7.4	7.2	6.9	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.3
-66.25°	7.1	6.9	6.6	6.4	6.0	5.7	5.4	5.1	4.8	4.4	4.1
-67.5°	6.8	6.6	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.8
-68.75°	6.5	6.3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6
-70°	6.1	5.9	5.6	5.4	5.1	4.8	4.5	4.2	3.9	3.7	3.4
-71.25°	5.7	5.5	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1
-72.5°	5.4	5.1	4.9	4.7	4.4	4.2	3.9	3.7	3.4	3.1	2.9
-73.75°	5.0	4.7	4.5	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.7
-75°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4
-76.25°	4.1	3.9	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2
-77.5°	3.7	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.3	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.0	1.9	1.7
-80°	2.9	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5
-81.25°	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.3
-82.5°	2.0	1.9	1.9	1.8	1.6	1.5	1.4	1.3	1.3	1.2	1.1
-83.75°	1.6	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
-87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, 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°	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1
86.25°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
85°	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.2	0.1
83.75°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1
82.5°	1.0	0.9	0.8	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
81.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
80°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
78.75°	1.6	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
77.5°	1.8	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
76.25°	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
75°	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
73.75°	2.4	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.4
72.5°	2.6	2.4	2.1	1.9	1.6	1.4	1.2	1.0	0.8	0.6	0.4
71.25°	2.8	2.6	2.3	2.0	1.8	1.5	1.3	1.0	0.8	0.6	0.4
70°	3.1	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.9	0.7	0.4
68.75°	3.3	3.0	2.7	2.4	2.1	1.7	1.4	1.2	0.9	0.7	0.5
67.5°	3.5	3.2	2.8	2.5	2.2	1.9	1.5	1.2	1.0	0.7	0.5
66.25°	3.7	3.4	3.0	2.7	2.3	2.0	1.6	1.3	1.0	0.8	0.5
65°	3.9	3.6	3.2	2.8	2.5	2.1	1.8	1.4	1.1	0.8	0.5
63.75°	4.1	3.7	3.4	3.0	2.6	2.2	1.9	1.5	1.1	0.9	0.6
62.5°	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.9	0.6
61.25°	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9	0.6
60°	4.8	4.3	3.9	3.4	3.0	2.6	2.1	1.7	1.3	1.0	0.6
58.75°	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.4	1.0	0.7
57.5°	5.1	4.7	4.2	3.7	3.3	2.8	2.3	1.9	1.4	1.0	0.7
56.25°	5.3	4.9	4.4	3.9	3.4	2.9	2.4	2.0	1.5	1.1	0.7
55°	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1	0.7
53.75°	5.7	5.2	4.7	4.2	3.6	3.1	2.6	2.1	1.6	1.2	0.8
52.5°	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.7	1.2	0.8
51.25°	6.0	5.5	5.0	4.5	3.9	3.3	2.8	2.3	1.7	1.2	0.8
50°	6.2	5.7	5.1	4.6	4.0	3.4	2.9	2.3	1.8	1.3	0.8
48.75°	6.4	5.8	5.3	4.7	4.1	3.5	3.0	2.4	1.8	1.3	0.9
47.5°	6.5	6.0	5.4	4.9	4.3	3.6	3.0	2.5	1.9	1.3	0.9
46.25°	6.7	6.1	5.6	5.0	4.4	3.7	3.1	2.5	1.9	1.4	0.9
45°	6.8	6.3	5.7	5.1	4.5	3.8	3.2	2.6	2.0	1.4	0.9
43.75°	6.9	6.4	5.8	5.2	4.6	3.9	3.3	2.7	2.1	1.4	0.9
42.5°	7.0	6.5	5.9	5.3	4.7	4.0	3.4	2.7	2.1	1.5	1.0
41.25°	7.1	6.7	6.1	5.4	4.8	4.1	3.5	2.8	2.2	1.5	1.0
40°	7.2	6.8	6.2	5.5	4.9	4.2	3.5	2.9	2.2	1.6	1.0
38.75°	7.4	6.9	6.3	5.7	5.0	4.3	3.6	2.9	2.3	1.6	1.0
37.5°	7.5	7.0	6.4	5.8	5.1	4.4	3.7	3.0	2.3	1.6	1.0
36.25°	7.6	7.0	6.5	5.9	5.2	4.5	3.8	3.0	2.3	1.7	1.0
35°	7.7	7.1	6.6	6.0	5.3	4.6	3.8	3.1	2.4	1.7	1.1



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 CATALOG NUMBER: 1003-[A1, 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°	7.8	7.2	6.7	6.0	5.3	4.6	3.9	3.1	2.4	1.7	1.1
32.5°	7.8	7.3	6.8	6.1	5.4	4.7	4.0	3.2	2.5	1.8	1.1
31.25°	7.9	7.4	6.8	6.2	5.5	4.8	4.0	3.2	2.5	1.8	1.1
30°	8.0	7.5	6.9	6.3	5.6	4.8	4.1	3.3	2.5	1.8	1.1
28.75°	8.0	7.6	7.0	6.4	5.7	4.9	4.1	3.3	2.6	1.8	1.1
27.5°	8.1	7.6	7.1	6.5	5.7	5.0	4.2	3.4	2.6	1.9	1.2
26.25°	8.1	7.7	7.1	6.5	5.8	5.0	4.2	3.4	2.6	1.9	1.2
25°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
23.75°	8.2	7.8	7.2	6.6	5.9	5.1	4.3	3.5	2.7	1.9	1.2
22.5°	8.3	7.9	7.3	6.7	6.0	5.2	4.4	3.6	2.7	2.0	1.2
21.25°	8.3	7.9	7.4	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2
20°	8.4	7.9	7.4	6.8	6.1	5.3	4.5	3.6	2.8	2.0	1.2
18.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.8	2.0	1.2
17.5°	8.4	8.0	7.5	6.9	6.2	5.4	4.5	3.7	2.8	2.0	1.2
16.25°	8.5	8.0	7.5	6.9	6.2	5.4	4.6	3.7	2.9	2.0	1.2
15°	8.5	8.1	7.6	6.9	6.3	5.4	4.6	3.7	2.9	2.1	1.3
13.75°	8.5	8.1	7.6	7.0	6.3	5.5	4.6	3.8	2.9	2.1	1.3
12.5°	8.6	8.1	7.6	7.0	6.3	5.5	4.7	3.8	2.9	2.1	1.3
11.25°	8.6	8.2	7.7	7.0	6.4	5.5	4.7	3.8	2.9	2.1	1.3
10°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	2.9	2.1	1.3
8.75°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	3.0	2.1	1.3
7.5°	8.7	8.2	7.7	7.1	6.4	5.6	4.8	3.9	3.0	2.1	1.3
6.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
3.75°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
2.5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
1.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
0°	8.7	8.3	7.8	7.2	6.5	5.7	4.8	3.9	3.0	2.2	1.3
-1.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-2.5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-3.75°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-5°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-6.25°	8.7	8.2	7.8	7.1	6.5	5.6	4.8	3.9	3.0	2.1	1.3
-7.5°	8.7	8.2	7.7	7.1	6.4	5.6	4.8	3.9	3.0	2.1	1.3
-8.75°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	3.0	2.1	1.3
-10°	8.6	8.2	7.7	7.1	6.4	5.6	4.7	3.8	2.9	2.1	1.3
-11.25°	8.6	8.2	7.7	7.0	6.4	5.5	4.7	3.8	2.9	2.1	1.3
-12.5°	8.6	8.1	7.6	7.0	6.3	5.5	4.7	3.8	2.9	2.1	1.3
-13.75°	8.5	8.1	7.6	7.0	6.3	5.5	4.6	3.8	2.9	2.1	1.3
-15°	8.5	8.1	7.6	6.9	6.3	5.4	4.6	3.7	2.9	2.1	1.3
-16.25°	8.5	8.0	7.5	6.9	6.2	5.4	4.6	3.7	2.9	2.0	1.2
-17.5°	8.4	8.0	7.5	6.9	6.2	5.4	4.5	3.7	2.8	2.0	1.2
-18.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.8	2.0	1.2
-20°	8.4	7.9	7.4	6.8	6.1	5.3	4.5	3.6	2.8	2.0	1.2
-21.25°	8.3	7.9	7.4	6.7	6.0	5.2	4.4	3.6	2.8	2.0	1.2



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

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



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 CATALOG NUMBER: 1003-[A1, 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°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	0.0
77.5°	0.1	0.0
76.25°	0.2	0.0
75°	0.2	0.0
73.75°	0.2	0.0
72.5°	0.2	0.0
71.25°	0.2	0.0
70°	0.2	0.0
68.75°	0.2	0.0
67.5°	0.2	0.0
66.25°	0.3	0.0
65°	0.3	0.0
63.75°	0.3	0.0
62.5°	0.3	0.0
61.25°	0.3	0.0
60°	0.3	0.0
58.75°	0.3	0.0
57.5°	0.3	0.0
56.25°	0.4	0.0
55°	0.4	0.0
53.75°	0.4	0.0
52.5°	0.4	0.0
51.25°	0.4	0.0
50°	0.4	0.0
48.75°	0.4	0.0
47.5°	0.4	0.0
46.25°	0.4	0.0
45°	0.5	0.0
43.75°	0.5	0.0
42.5°	0.5	0.0
41.25°	0.5	0.0
40°	0.5	0.0
38.75°	0.5	0.0
37.5°	0.5	0.0
36.25°	0.5	0.0
35°	0.5	0.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.6	0.0
-23.75°	0.6	0.0
-25°	0.6	0.0
-26.25°	0.6	0.0
-27.5°	0.6	0.0
-28.75°	0.6	0.0
-30°	0.6	0.0
-31.25°	0.6	0.0
-32.5°	0.5	0.0
-33.75°	0.5	0.0
-35°	0.5	0.0
-36.25°	0.5	0.0
-37.5°	0.5	0.0
-38.75°	0.5	0.0
-40°	0.5	0.0
-41.25°	0.5	0.0
-42.5°	0.5	0.0
-43.75°	0.5	0.0
-45°	0.5	0.0
-46.25°	0.4	0.0
-47.5°	0.4	0.0
-48.75°	0.4	0.0
-50°	0.4	0.0
-51.25°	0.4	0.0
-52.5°	0.4	0.0
-53.75°	0.4	0.0
-55°	0.4	0.0
-56.25°	0.4	0.0
-57.5°	0.3	0.0
-58.75°	0.3	0.0
-60°	0.3	0.0
-61.25°	0.3	0.0
-62.5°	0.3	0.0
-63.75°	0.3	0.0
-65°	0.3	0.0
-66.25°	0.3	0.0
-67.5°	0.2	0.0
-68.75°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	0.0
-73.75°	0.2	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.1	0.0



REPORT NUMBER: P220468 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, 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°	0.1	0.0
-85°	0.1	0.0
-86.25°	0.0	0.0
-87.5°	0.0	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)