

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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

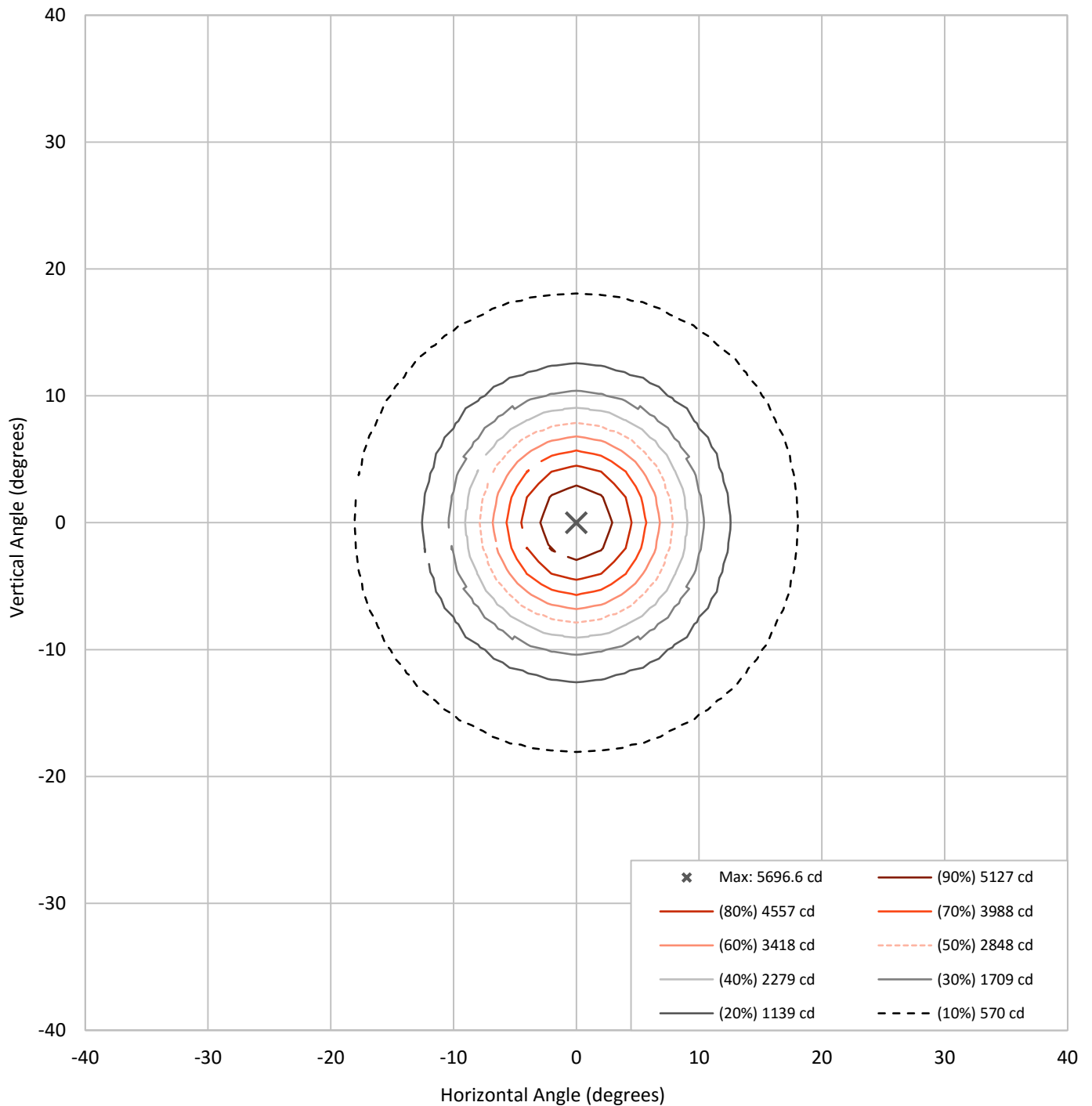
Test Method: LM-79-08
Report Number: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT
OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 90 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	777 lumens	Max Intensity:	5696.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	79.3 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	237.1 lumens	Field Lumens:	523.1 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
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





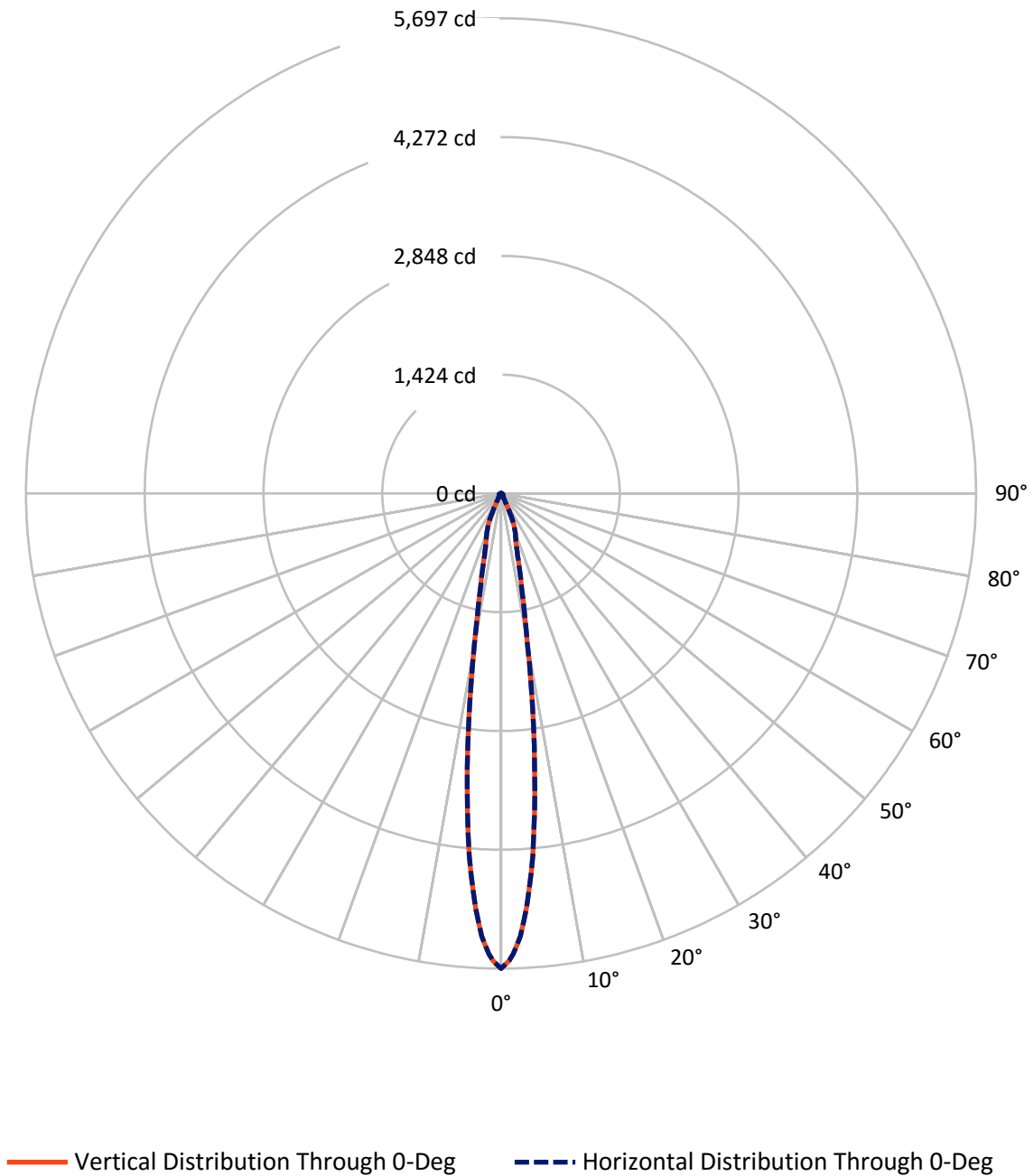
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Lumen Table

90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
80	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
70	0.1	0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.1	0.1			
60		0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1				
50	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			
40		0.2	0.4	0.6	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.6	0.4	0.2				
30	0.2	0.2	0.5	0.6	0.8	1.1	2.9	6.6	6.6	2.9	1.1	0.8	0.6	0.5	0.2	0.2			
20		0.2	0.5	0.7	0.9	2.7	12.7	23.4	23.4	12.7	2.7	0.9	0.7	0.5	0.2				
10	0.2	0.3	0.5	0.7	1.0	6.1	22.8	91.1	91.1	22.8	6.1	1.0	0.7	0.5	0.3	0.2			
0		0.3	0.5	0.7	1.0	6.1	22.8	91.1	91.1	22.8	6.1	1.0	0.7	0.5	0.3				
-10	0.2	0.2	0.5	0.7	0.9	2.7	12.7	23.4	23.4	12.7	2.7	0.9	0.7	0.5	0.2	0.2			
-20		0.2	0.5	0.6	0.8	1.1	2.9	6.6	6.6	2.9	1.1	0.8	0.6	0.5	0.2				
-30	0.1	0.2	0.4	0.6	0.7	0.9	1.1	1.2	1.2	1.1	0.9	0.7	0.6	0.4	0.2	0.1			
-40		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				
-50	0.1	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.1			
-60		0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.1				
-70	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0							0.0			
-80		0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
-90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

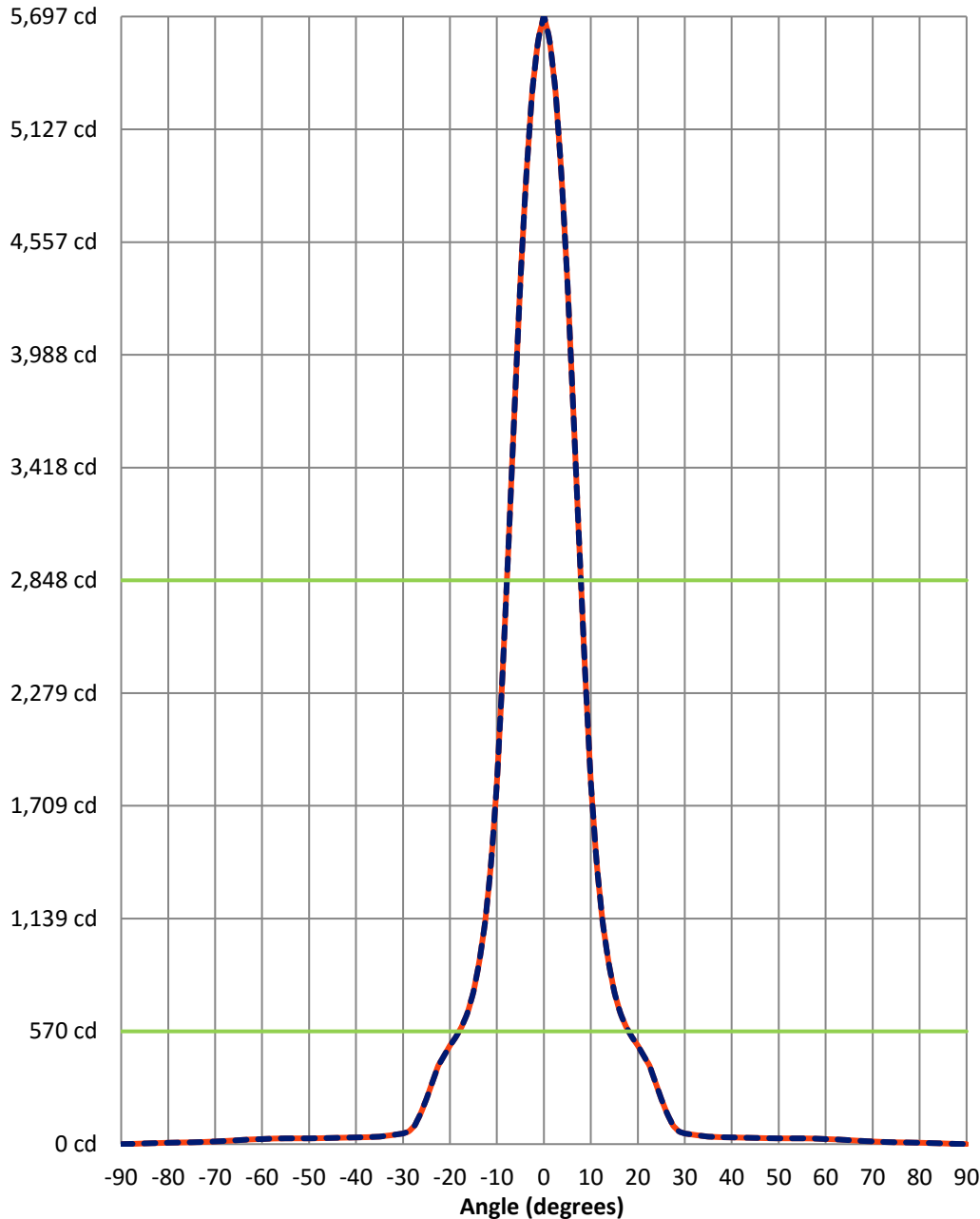
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 15.8°
 V Angle: 15.8°
 Lumens: 237.1
 Efficiency: 30.5%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 523.1
 Efficiency: 67.3%

Spill:
 Lumens: 253.9
 Efficiency: 32.7%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



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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	1.8	2.8	3.6	4.3	5.0	5.7	6.4	7.1
32.5°	0.0	0.5	1.1	1.9	2.8	3.7	4.4	5.1	5.8	6.5	7.2
31.25°	0.0	0.6	1.1	1.9	2.9	3.7	4.5	5.2	5.9	6.6	7.2
30°	0.0	0.6	1.1	2.0	2.9	3.8	4.5	5.2	6.0	6.7	7.3
28.75°	0.0	0.6	1.1	2.0	3.0	3.8	4.6	5.3	6.1	6.8	7.4
27.5°	0.0	0.6	1.2	2.0	3.0	3.9	4.6	5.4	6.1	6.9	7.5
26.25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.4	6.2	6.9	7.5
25°	0.0	0.6	1.2	2.1	3.1	4.0	4.7	5.5	6.3	7.0	7.6
23.75°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.5	6.3	7.0	7.6
22.5°	0.0	0.6	1.2	2.1	3.2	4.0	4.8	5.6	6.4	7.1	7.7
21.25°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.6	6.4	7.1	7.8
20°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.8
18.75°	0.0	0.6	1.2	2.2	3.3	4.1	4.9	5.7	6.5	7.2	7.8
17.5°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.8	6.6	7.3	7.9
16.25°	0.0	0.6	1.2	2.3	3.3	4.2	5.0	5.8	6.6	7.3	7.9
15°	0.0	0.6	1.3	2.3	3.3	4.2	5.0	5.8	6.7	7.3	8.0
13.75°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	5.9	6.7	7.4	8.0
12.5°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	5.9	6.7	7.4	8.0
11.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	5.9	6.8	7.4	8.1
10°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	6.0	6.8	7.5	8.1
8.75°	0.0	0.6	1.3	2.4	3.4	4.3	5.1	6.0	6.8	7.5	8.1
7.5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.8	7.5	8.1
6.25°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
3.75°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
2.5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
1.25°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
0°	0.0	0.6	1.3	2.4	3.5	4.4	5.2	6.1	6.9	7.6	8.2
-1.25°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
-2.5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
-3.75°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
-5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
-6.25°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.9	7.5	8.2
-7.5°	0.0	0.6	1.3	2.4	3.5	4.3	5.2	6.0	6.8	7.5	8.1
-8.75°	0.0	0.6	1.3	2.4	3.4	4.3	5.1	6.0	6.8	7.5	8.1
-10°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	6.0	6.8	7.5	8.1
-11.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.1	5.9	6.8	7.4	8.1
-12.5°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	5.9	6.7	7.4	8.0
-13.75°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	5.9	6.7	7.4	8.0
-15°	0.0	0.6	1.3	2.3	3.3	4.2	5.0	5.8	6.7	7.3	8.0
-16.25°	0.0	0.6	1.2	2.3	3.3	4.2	5.0	5.8	6.6	7.3	7.9
-17.5°	0.0	0.6	1.2	2.2	3.3	4.2	5.0	5.8	6.6	7.3	7.9
-18.75°	0.0	0.6	1.2	2.2	3.3	4.1	4.9	5.7	6.5	7.2	7.8
-20°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.8
-21.25°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.6	6.4	7.1	7.8



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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	2.1	3.2	4.0	4.8	5.6	6.4	7.1	7.7
-23.75°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.5	6.3	7.0	7.6
-25°	0.0	0.6	1.2	2.1	3.1	4.0	4.7	5.5	6.3	7.0	7.6
-26.25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.4	6.2	6.9	7.5
-27.5°	0.0	0.6	1.2	2.0	3.0	3.9	4.6	5.4	6.1	6.9	7.5
-28.75°	0.0	0.6	1.1	2.0	3.0	3.8	4.6	5.3	6.1	6.8	7.4
-30°	0.0	0.6	1.1	2.0	2.9	3.8	4.5	5.2	6.0	6.7	7.3
-31.25°	0.0	0.6	1.1	1.9	2.9	3.7	4.5	5.2	5.9	6.6	7.2
-32.5°	0.0	0.5	1.1	1.9	2.8	3.7	4.4	5.1	5.8	6.5	7.2
-33.75°	0.0	0.5	1.1	1.8	2.8	3.6	4.3	5.0	5.7	6.4	7.1
-35°	0.0	0.5	1.1	1.8	2.7	3.6	4.3	5.0	5.7	6.4	7.0
-36.25°	0.0	0.5	1.0	1.8	2.6	3.5	4.2	4.9	5.6	6.3	6.9
-37.5°	0.0	0.5	1.0	1.7	2.6	3.5	4.1	4.8	5.5	6.2	6.8
-38.75°	0.0	0.5	1.0	1.7	2.5	3.4	4.1	4.7	5.4	6.1	6.7
-40°	0.0	0.5	1.0	1.6	2.5	3.3	4.0	4.7	5.3	5.9	6.6
-41.25°	0.0	0.5	1.0	1.6	2.4	3.2	3.9	4.6	5.2	5.8	6.5
-42.5°	0.0	0.5	1.0	1.5	2.3	3.2	3.9	4.5	5.1	5.7	6.3
-43.75°	0.0	0.5	0.9	1.5	2.3	3.1	3.8	4.4	5.0	5.6	6.2
-45°	0.0	0.5	0.9	1.4	2.2	3.0	3.7	4.3	4.9	5.5	6.1
-46.25°	0.0	0.4	0.9	1.4	2.1	2.9	3.6	4.2	4.8	5.4	6.0
-47.5°	0.0	0.4	0.9	1.3	2.1	2.8	3.5	4.1	4.7	5.3	5.8
-48.75°	0.0	0.4	0.9	1.3	2.0	2.7	3.4	4.0	4.6	5.1	5.7
-50°	0.0	0.4	0.8	1.3	1.9	2.6	3.3	3.9	4.5	5.0	5.5
-51.25°	0.0	0.4	0.8	1.2	1.9	2.5	3.2	3.8	4.3	4.9	5.4
-52.5°	0.0	0.4	0.8	1.2	1.8	2.4	3.1	3.7	4.2	4.7	5.2
-53.75°	0.0	0.4	0.8	1.2	1.7	2.3	3.0	3.6	4.1	4.6	5.1
-55°	0.0	0.4	0.7	1.1	1.6	2.3	2.9	3.5	4.0	4.5	4.9
-56.25°	0.0	0.4	0.7	1.1	1.5	2.2	2.8	3.4	3.9	4.3	4.8
-57.5°	0.0	0.3	0.7	1.0	1.5	2.1	2.6	3.2	3.7	4.2	4.6
-58.75°	0.0	0.3	0.7	1.0	1.4	1.9	2.5	3.1	3.6	4.0	4.5
-60°	0.0	0.3	0.6	1.0	1.3	1.8	2.4	2.9	3.5	3.9	4.3
-61.25°	0.0	0.3	0.6	0.9	1.2	1.7	2.3	2.8	3.3	3.8	4.2
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	2.1	2.6	3.1	3.6	4.0
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	2.0	2.5	3.0	3.5	3.8
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.9	2.3	2.8	3.3	3.7
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.8	2.2	2.6	3.1	3.5
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.6	2.0	2.5	2.9	3.3
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.5	1.9	2.3	2.7	3.1
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.7	2.1	2.5	2.8
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.6	1.9	2.3	2.6
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	2.1	2.4
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.6	1.9	2.2
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.9
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.7
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.5



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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	1.4	1.5	1.6	1.8	1.9	2.0
81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5
80°	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.6	2.8	3.0
78.75°	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5
77.5°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.8
76.25°	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2
75°	2.2	2.5	2.8	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.6
73.75°	2.5	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9
72.5°	2.7	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.8	5.1	5.3
71.25°	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.4	5.7
70°	3.2	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.5	5.8	6.0
68.75°	3.4	3.8	4.1	4.4	4.6	4.9	5.2	5.5	5.8	6.1	6.4
67.5°	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.7
66.25°	3.8	4.2	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.8	7.0
65°	4.0	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.3
63.75°	4.2	4.6	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
62.5°	4.4	4.8	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.6	7.8
61.25°	4.6	5.0	5.4	5.8	6.1	6.5	6.9	7.2	7.5	7.8	8.1
60°	4.7	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	8.0	8.3
58.75°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.5
57.5°	5.1	5.5	6.0	6.4	6.9	7.2	7.5	7.9	8.2	8.4	8.6
56.25°	5.3	5.7	6.2	6.6	7.0	7.4	7.7	8.1	8.4	8.6	8.8
55°	5.4	5.9	6.4	6.9	7.2	7.6	7.9	8.3	8.5	8.8	9.0
53.75°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.7	8.9	9.2
52.5°	5.8	6.3	6.8	7.2	7.6	7.9	8.3	8.5	8.8	9.1	9.5
51.25°	5.9	6.4	6.9	7.3	7.7	8.1	8.4	8.7	9.0	9.3	9.8
50°	6.1	6.6	7.1	7.5	7.9	8.3	8.5	8.8	9.1	9.6	10.1
48.75°	6.2	6.8	7.2	7.6	8.1	8.4	8.7	9.0	9.4	9.9	10.4
47.5°	6.4	6.9	7.4	7.8	8.2	8.5	8.8	9.1	9.6	10.2	10.7
46.25°	6.5	7.1	7.5	7.9	8.3	8.6	8.9	9.3	9.9	10.5	11.1
45°	6.7	7.2	7.6	8.1	8.4	8.7	9.0	9.6	10.2	10.7	11.6
43.75°	6.8	7.3	7.8	8.2	8.5	8.8	9.2	9.8	10.4	11.1	12.0
42.5°	6.9	7.4	7.9	8.3	8.6	9.0	9.4	10.0	10.6	11.5	12.4
41.25°	7.1	7.5	8.0	8.4	8.7	9.1	9.7	10.3	10.9	11.9	12.8
40°	7.2	7.6	8.1	8.5	8.8	9.2	9.9	10.5	11.3	12.2	13.2
38.75°	7.3	7.8	8.2	8.6	8.9	9.4	10.1	10.7	11.6	12.6	13.6
37.5°	7.4	7.9	8.3	8.7	9.0	9.6	10.3	11.0	12.0	13.0	14.1
36.25°	7.4	8.0	8.4	8.8	9.1	9.8	10.5	11.3	12.3	13.3	14.5
35°	7.5	8.1	8.5	8.8	9.3	10.0	10.6	11.6	12.6	13.7	14.9



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	7.6	8.2	8.5	8.9	9.4	10.1	10.8	11.9	12.9	14.1	15.3
32.5°	7.7	8.2	8.6	9.0	9.6	10.3	11.1	12.2	13.3	14.5	15.7
31.25°	7.8	8.3	8.7	9.1	9.7	10.5	11.4	12.5	13.6	14.8	16.1
30°	7.9	8.4	8.7	9.2	9.9	10.6	11.6	12.7	13.9	15.2	16.4
28.75°	8.0	8.4	8.8	9.3	10.0	10.8	11.9	13.0	14.2	15.5	16.8
27.5°	8.0	8.5	8.9	9.4	10.2	11.0	12.1	13.2	14.5	15.8	17.2
26.25°	8.1	8.5	8.9	9.5	10.3	11.2	12.3	13.5	14.8	16.1	17.6
25°	8.2	8.6	9.0	9.7	10.4	11.4	12.5	13.8	15.1	16.4	18.0
23.75°	8.2	8.6	9.0	9.8	10.5	11.6	12.7	14.0	15.4	16.8	18.3
22.5°	8.3	8.7	9.1	9.9	10.6	11.8	12.9	14.2	15.6	17.1	18.7
21.25°	8.3	8.7	9.2	10.0	10.8	11.9	13.1	14.5	15.9	17.4	19.0
20°	8.3	8.8	9.3	10.1	10.9	12.1	13.3	14.7	16.1	17.7	19.3
18.75°	8.4	8.8	9.3	10.1	11.0	12.3	13.5	14.9	16.3	17.9	19.6
17.5°	8.4	8.8	9.4	10.2	11.2	12.4	13.7	15.1	16.5	18.2	19.8
16.25°	8.4	8.9	9.5	10.3	11.3	12.5	13.8	15.3	16.7	18.4	20.1
15°	8.5	8.9	9.6	10.4	11.4	12.7	14.0	15.4	17.0	18.6	20.3
13.75°	8.5	8.9	9.6	10.4	11.5	12.8	14.1	15.6	17.1	18.8	20.5
12.5°	8.5	9.0	9.7	10.5	11.6	12.9	14.3	15.7	17.3	19.0	20.7
11.25°	8.6	9.0	9.7	10.6	11.7	13.0	14.4	15.9	17.5	19.2	20.9
10°	8.6	9.0	9.8	10.6	11.8	13.1	14.5	16.0	17.6	19.3	21.1
8.75°	8.6	9.0	9.8	10.7	11.9	13.1	14.6	16.1	17.7	19.5	21.2
7.5°	8.6	9.1	9.9	10.7	11.9	13.2	14.7	16.2	17.8	19.6	21.3
6.25°	8.6	9.1	9.9	10.7	12.0	13.3	14.7	16.2	17.9	19.7	21.4
5°	8.6	9.1	9.9	10.8	12.0	13.3	14.8	16.3	18.0	19.8	21.5
3.75°	8.6	9.1	9.9	10.8	12.1	13.4	14.8	16.3	18.1	19.8	21.6
2.5°	8.6	9.1	9.9	10.8	12.1	13.4	14.9	16.4	18.1	19.9	21.6
1.25°	8.6	9.1	9.9	10.8	12.1	13.4	14.9	16.4	18.1	19.9	21.6
0°	8.7	9.1	10.0	10.8	12.1	13.4	14.9	16.4	18.2	19.9	21.7
-1.25°	8.6	9.1	9.9	10.8	12.1	13.4	14.9	16.4	18.1	19.9	21.6
-2.5°	8.6	9.1	9.9	10.8	12.1	13.4	14.9	16.4	18.1	19.9	21.6
-3.75°	8.6	9.1	9.9	10.8	12.1	13.4	14.8	16.3	18.1	19.8	21.6
-5°	8.6	9.1	9.9	10.8	12.0	13.3	14.8	16.3	18.0	19.8	21.5
-6.25°	8.6	9.1	9.9	10.7	12.0	13.3	14.7	16.2	17.9	19.7	21.4
-7.5°	8.6	9.1	9.9	10.7	11.9	13.2	14.7	16.2	17.8	19.6	21.3
-8.75°	8.6	9.0	9.8	10.7	11.9	13.1	14.6	16.1	17.7	19.5	21.2
-10°	8.6	9.0	9.8	10.6	11.8	13.1	14.5	16.0	17.6	19.3	21.1
-11.25°	8.6	9.0	9.7	10.6	11.7	13.0	14.4	15.9	17.5	19.2	20.9
-12.5°	8.5	9.0	9.7	10.5	11.6	12.9	14.3	15.7	17.3	19.0	20.7
-13.75°	8.5	8.9	9.6	10.4	11.5	12.8	14.1	15.6	17.1	18.8	20.5
-15°	8.5	8.9	9.6	10.4	11.4	12.7	14.0	15.4	17.0	18.6	20.3
-16.25°	8.4	8.9	9.5	10.3	11.3	12.5	13.8	15.3	16.7	18.4	20.1
-17.5°	8.4	8.8	9.4	10.2	11.2	12.4	13.7	15.1	16.5	18.2	19.8
-18.75°	8.4	8.8	9.3	10.1	11.0	12.3	13.5	14.9	16.3	17.9	19.6
-20°	8.3	8.8	9.3	10.1	10.9	12.1	13.3	14.7	16.1	17.7	19.3
-21.25°	8.3	8.7	9.2	10.0	10.8	11.9	13.1	14.5	15.9	17.4	19.0



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	8.3	8.7	9.1	9.9	10.6	11.8	12.9	14.2	15.6	17.1	18.7
-23.75°	8.2	8.6	9.0	9.8	10.5	11.6	12.7	14.0	15.4	16.8	18.3
-25°	8.2	8.6	9.0	9.7	10.4	11.4	12.5	13.8	15.1	16.4	18.0
-26.25°	8.1	8.5	8.9	9.5	10.3	11.2	12.3	13.5	14.8	16.1	17.6
-27.5°	8.0	8.5	8.9	9.4	10.2	11.0	12.1	13.2	14.5	15.8	17.2
-28.75°	8.0	8.4	8.8	9.3	10.0	10.8	11.9	13.0	14.2	15.5	16.8
-30°	7.9	8.4	8.7	9.2	9.9	10.6	11.6	12.7	13.9	15.2	16.4
-31.25°	7.8	8.3	8.7	9.1	9.7	10.5	11.4	12.5	13.6	14.8	16.1
-32.5°	7.7	8.2	8.6	9.0	9.6	10.3	11.1	12.2	13.3	14.5	15.7
-33.75°	7.6	8.2	8.5	8.9	9.4	10.1	10.8	11.9	12.9	14.1	15.3
-35°	7.5	8.1	8.5	8.8	9.3	10.0	10.6	11.6	12.6	13.7	14.9
-36.25°	7.4	8.0	8.4	8.8	9.1	9.8	10.5	11.3	12.3	13.3	14.5
-37.5°	7.4	7.9	8.3	8.7	9.0	9.6	10.3	11.0	12.0	13.0	14.1
-38.75°	7.3	7.8	8.2	8.6	8.9	9.4	10.1	10.7	11.6	12.6	13.6
-40°	7.2	7.6	8.1	8.5	8.8	9.2	9.9	10.5	11.3	12.2	13.2
-41.25°	7.1	7.5	8.0	8.4	8.7	9.1	9.7	10.3	10.9	11.9	12.8
-42.5°	6.9	7.4	7.9	8.3	8.6	9.0	9.4	10.0	10.6	11.5	12.4
-43.75°	6.8	7.3	7.8	8.2	8.5	8.8	9.2	9.8	10.4	11.1	12.0
-45°	6.7	7.2	7.6	8.1	8.4	8.7	9.0	9.6	10.2	10.7	11.6
-46.25°	6.5	7.1	7.5	7.9	8.3	8.6	8.9	9.3	9.9	10.5	11.1
-47.5°	6.4	6.9	7.4	7.8	8.2	8.5	8.8	9.1	9.6	10.2	10.7
-48.75°	6.2	6.8	7.2	7.6	8.1	8.4	8.7	9.0	9.4	9.9	10.4
-50°	6.1	6.6	7.1	7.5	7.9	8.3	8.5	8.8	9.1	9.6	10.1
-51.25°	5.9	6.4	6.9	7.3	7.7	8.1	8.4	8.7	9.0	9.3	9.8
-52.5°	5.8	6.3	6.8	7.2	7.6	7.9	8.3	8.5	8.8	9.1	9.5
-53.75°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.7	8.9	9.2
-55°	5.4	5.9	6.4	6.9	7.2	7.6	7.9	8.3	8.5	8.8	9.0
-56.25°	5.3	5.7	6.2	6.6	7.0	7.4	7.7	8.1	8.4	8.6	8.8
-57.5°	5.1	5.5	6.0	6.4	6.9	7.2	7.5	7.9	8.2	8.4	8.6
-58.75°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.5
-60°	4.7	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	8.0	8.3
-61.25°	4.6	5.0	5.4	5.8	6.1	6.5	6.9	7.2	7.5	7.8	8.1
-62.5°	4.4	4.8	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.6	7.8
-63.75°	4.2	4.6	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
-65°	4.0	4.4	4.7	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.3
-66.25°	3.8	4.2	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.8	7.0
-67.5°	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.7
-68.75°	3.4	3.8	4.1	4.4	4.6	4.9	5.2	5.5	5.8	6.1	6.4
-70°	3.2	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.5	5.8	6.0
-71.25°	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.4	5.7
-72.5°	2.7	3.0	3.3	3.6	3.9	4.1	4.4	4.6	4.8	5.1	5.3
-73.75°	2.5	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.5	4.7	4.9
-75°	2.2	2.5	2.8	3.0	3.3	3.6	3.8	4.0	4.2	4.4	4.6
-76.25°	1.9	2.2	2.5	2.7	3.0	3.2	3.4	3.6	3.8	4.0	4.2
-77.5°	1.7	1.9	2.2	2.4	2.6	2.8	3.1	3.3	3.5	3.7	3.8



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.4	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5
-80°	1.2	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.6	2.8	3.0
-81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.5
-82.5°	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.0
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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	1.5	1.5	1.6	1.7	1.8	1.9	1.9
83.75°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.3	2.4	2.5	2.6
82.5°	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
81.25°	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
80°	3.1	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.3	4.5
78.75°	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
77.5°	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5
76.25°	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
75°	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.6
73.75°	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
72.5°	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.0	7.2	7.3	7.5
71.25°	5.9	6.1	6.4	6.6	6.9	7.0	7.2	7.4	7.6	7.7	7.9
70°	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1	8.3
68.75°	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5
67.5°	7.0	7.2	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.7	8.8
66.25°	7.3	7.5	7.7	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.1
65°	7.6	7.8	8.0	8.3	8.4	8.6	8.8	8.9	9.1	9.3	9.6
63.75°	7.8	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.5	9.8	10.1
62.5°	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.7	10.0	10.3	10.6
61.25°	8.3	8.5	8.7	8.9	9.1	9.4	9.8	10.1	10.5	10.8	11.3
60°	8.5	8.7	8.9	9.1	9.5	9.9	10.2	10.6	11.0	11.6	12.1
58.75°	8.7	8.9	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.3	12.9
57.5°	8.9	9.1	9.5	9.9	10.3	10.7	11.3	11.9	12.5	13.0	13.6
56.25°	9.1	9.4	9.9	10.3	10.7	11.3	11.9	12.5	13.2	13.8	14.5
55°	9.3	9.8	10.2	10.7	11.3	11.9	12.6	13.2	13.9	14.6	15.4
53.75°	9.7	10.1	10.6	11.2	11.9	12.5	13.2	14.0	14.7	15.5	16.2
52.5°	10.0	10.5	11.0	11.7	12.5	13.2	13.9	14.7	15.5	16.3	17.1
51.25°	10.3	10.8	11.6	12.3	13.0	13.8	14.6	15.5	16.3	17.2	18.1
50°	10.6	11.3	12.1	12.9	13.6	14.5	15.4	16.2	17.1	18.1	19.1
48.75°	11.0	11.8	12.6	13.4	14.3	15.2	16.1	17.0	18.0	19.0	20.0
47.5°	11.5	12.3	13.1	14.0	14.9	15.9	16.8	17.9	18.9	19.9	20.9
46.25°	12.0	12.8	13.7	14.6	15.6	16.5	17.6	18.7	19.8	20.8	21.8
45°	12.4	13.3	14.2	15.2	16.2	17.3	18.4	19.5	20.6	21.7	22.7
43.75°	12.9	13.8	14.8	15.8	16.9	18.0	19.2	20.3	21.4	22.5	23.5
42.5°	13.3	14.3	15.4	16.4	17.6	18.8	19.9	21.1	22.2	23.4	24.1
41.25°	13.8	14.8	15.9	17.0	18.3	19.5	20.7	21.9	23.0	23.9	24.6
40°	14.3	15.3	16.4	17.7	18.9	20.2	21.4	22.6	23.6	24.4	25.1
38.75°	14.7	15.8	17.0	18.3	19.6	20.8	22.1	23.3	24.1	24.8	25.6
37.5°	15.2	16.3	17.6	18.9	20.2	21.5	22.8	23.8	24.6	25.3	26.2
36.25°	15.6	16.9	18.2	19.5	20.8	22.2	23.4	24.2	25.0	25.8	26.8
35°	16.1	17.4	18.7	20.1	21.5	22.8	23.8	24.6	25.4	26.4	27.3



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	16.5	17.9	19.3	20.7	22.0	23.4	24.2	25.0	25.9	26.9	27.9
32.5°	17.0	18.4	19.8	21.2	22.6	23.8	24.6	25.4	26.4	27.4	28.2
31.25°	17.5	18.9	20.3	21.8	23.2	24.1	25.0	25.9	26.9	27.9	28.4
30°	17.9	19.4	20.8	22.3	23.6	24.5	25.3	26.3	27.4	28.2	28.6
28.75°	18.3	19.8	21.3	22.8	23.9	24.8	25.7	26.8	27.8	28.4	28.7
27.5°	18.7	20.3	21.8	23.3	24.2	25.1	26.1	27.2	28.2	28.5	28.9
26.25°	19.2	20.7	22.2	23.6	24.5	25.4	26.5	27.6	28.3	28.7	29.0
25°	19.5	21.1	22.6	23.9	24.8	25.7	26.9	28.0	28.5	28.8	29.0
23.75°	19.9	21.5	23.0	24.1	25.0	26.1	27.2	28.2	28.6	29.0	29.0
22.5°	20.3	21.8	23.4	24.4	25.3	26.4	27.6	28.3	28.7	29.0	29.0
21.25°	20.6	22.2	23.6	24.6	25.6	26.7	27.9	28.4	28.8	29.0	29.0
20°	20.9	22.5	23.8	24.8	25.8	27.0	28.1	28.6	29.0	29.0	29.0
18.75°	21.2	22.8	24.0	25.0	26.1	27.3	28.2	28.7	29.0	29.0	29.0
17.5°	21.5	23.1	24.2	25.2	26.4	27.6	28.3	28.8	29.0	29.0	29.0
16.25°	21.7	23.4	24.4	25.4	26.6	27.8	28.4	28.9	29.0	29.0	29.0
15°	22.0	23.6	24.6	25.6	26.8	28.1	28.5	28.9	29.0	29.0	29.0
13.75°	22.2	23.7	24.7	25.8	27.0	28.2	28.6	29.0	29.0	29.0	29.0
12.5°	22.4	23.8	24.8	25.9	27.2	28.2	28.7	29.0	29.0	29.0	29.0
11.25°	22.6	23.9	25.0	26.1	27.4	28.3	28.7	29.0	29.0	29.0	29.0
10°	22.8	24.0	25.1	26.3	27.5	28.3	28.8	29.0	29.0	29.0	29.0
8.75°	22.9	24.1	25.2	26.4	27.7	28.4	28.8	29.0	29.0	29.0	29.0
7.5°	23.0	24.2	25.3	26.5	27.8	28.4	28.9	29.0	29.0	29.0	29.0
6.25°	23.2	24.3	25.3	26.6	27.9	28.5	28.9	29.0	29.0	29.0	29.0
5°	23.2	24.3	25.4	26.7	28.0	28.5	28.9	29.0	29.0	29.0	29.0
3.75°	23.3	24.4	25.4	26.7	28.0	28.5	29.0	29.0	29.0	29.0	29.0
2.5°	23.4	24.4	25.5	26.8	28.1	28.5	29.0	29.0	29.0	29.0	29.0
1.25°	23.4	24.4	25.5	26.8	28.1	28.5	29.0	29.0	29.0	29.0	29.0
0°	23.4	24.5	25.5	26.8	28.1	28.6	29.0	29.0	29.0	29.0	29.0
-1.25°	23.4	24.4	25.5	26.8	28.1	28.5	29.0	29.0	29.0	29.0	29.0
-2.5°	23.4	24.4	25.5	26.8	28.1	28.5	29.0	29.0	29.0	29.0	29.0
-3.75°	23.3	24.4	25.4	26.7	28.0	28.5	29.0	29.0	29.0	29.0	29.0
-5°	23.2	24.3	25.4	26.7	28.0	28.5	28.9	29.0	29.0	29.0	29.0
-6.25°	23.2	24.3	25.3	26.6	27.9	28.5	28.9	29.0	29.0	29.0	29.0
-7.5°	23.0	24.2	25.3	26.5	27.8	28.4	28.9	29.0	29.0	29.0	29.0
-8.75°	22.9	24.1	25.2	26.4	27.7	28.4	28.8	29.0	29.0	29.0	29.0
-10°	22.8	24.0	25.1	26.3	27.5	28.3	28.8	29.0	29.0	29.0	29.0
-11.25°	22.6	23.9	25.0	26.1	27.4	28.3	28.7	29.0	29.0	29.0	29.0
-12.5°	22.4	23.8	24.8	25.9	27.2	28.2	28.7	29.0	29.0	29.0	29.0
-13.75°	22.2	23.7	24.7	25.8	27.0	28.2	28.6	29.0	29.0	29.0	29.0
-15°	22.0	23.6	24.6	25.6	26.8	28.1	28.5	28.9	29.0	29.0	29.0
-16.25°	21.7	23.4	24.4	25.4	26.6	27.8	28.4	28.9	29.0	29.0	29.0
-17.5°	21.5	23.1	24.2	25.2	26.4	27.6	28.3	28.8	29.0	29.0	29.0
-18.75°	21.2	22.8	24.0	25.0	26.1	27.3	28.2	28.7	29.0	29.0	29.0
-20°	20.9	22.5	23.8	24.8	25.8	27.0	28.1	28.6	29.0	29.0	29.0
-21.25°	20.6	22.2	23.6	24.6	25.6	26.7	27.9	28.4	28.8	29.0	29.0



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	20.3	21.8	23.4	24.4	25.3	26.4	27.6	28.3	28.7	29.0	29.0
-23.75°	19.9	21.5	23.0	24.1	25.0	26.1	27.2	28.2	28.6	29.0	29.0
-25°	19.5	21.1	22.6	23.9	24.8	25.7	26.9	28.0	28.5	28.8	29.0
-26.25°	19.2	20.7	22.2	23.6	24.5	25.4	26.5	27.6	28.3	28.7	29.0
-27.5°	18.7	20.3	21.8	23.3	24.2	25.1	26.1	27.2	28.2	28.5	28.9
-28.75°	18.3	19.8	21.3	22.8	23.9	24.8	25.7	26.8	27.8	28.4	28.7
-30°	17.9	19.4	20.8	22.3	23.6	24.5	25.3	26.3	27.4	28.2	28.6
-31.25°	17.5	18.9	20.3	21.8	23.2	24.1	25.0	25.9	26.9	27.9	28.4
-32.5°	17.0	18.4	19.8	21.2	22.6	23.8	24.6	25.4	26.4	27.4	28.2
-33.75°	16.5	17.9	19.3	20.7	22.0	23.4	24.2	25.0	25.9	26.9	27.9
-35°	16.1	17.4	18.7	20.1	21.5	22.8	23.8	24.6	25.4	26.4	27.3
-36.25°	15.6	16.9	18.2	19.5	20.8	22.2	23.4	24.2	25.0	25.8	26.8
-37.5°	15.2	16.3	17.6	18.9	20.2	21.5	22.8	23.8	24.6	25.3	26.2
-38.75°	14.7	15.8	17.0	18.3	19.6	20.8	22.1	23.3	24.1	24.8	25.6
-40°	14.3	15.3	16.4	17.7	18.9	20.2	21.4	22.6	23.6	24.4	25.1
-41.25°	13.8	14.8	15.9	17.0	18.3	19.5	20.7	21.9	23.0	23.9	24.6
-42.5°	13.3	14.3	15.4	16.4	17.6	18.8	19.9	21.1	22.2	23.4	24.1
-43.75°	12.9	13.8	14.8	15.8	16.9	18.0	19.2	20.3	21.4	22.5	23.5
-45°	12.4	13.3	14.2	15.2	16.2	17.3	18.4	19.5	20.6	21.7	22.7
-46.25°	12.0	12.8	13.7	14.6	15.6	16.5	17.6	18.7	19.8	20.8	21.8
-47.5°	11.5	12.3	13.1	14.0	14.9	15.9	16.8	17.9	18.9	19.9	20.9
-48.75°	11.0	11.8	12.6	13.4	14.3	15.2	16.1	17.0	18.0	19.0	20.0
-50°	10.6	11.3	12.1	12.9	13.6	14.5	15.4	16.2	17.1	18.1	19.1
-51.25°	10.3	10.8	11.6	12.3	13.0	13.8	14.6	15.5	16.3	17.2	18.1
-52.5°	10.0	10.5	11.0	11.7	12.5	13.2	13.9	14.7	15.5	16.3	17.1
-53.75°	9.7	10.1	10.6	11.2	11.9	12.5	13.2	14.0	14.7	15.5	16.2
-55°	9.3	9.8	10.2	10.7	11.3	11.9	12.6	13.2	13.9	14.6	15.4
-56.25°	9.1	9.4	9.9	10.3	10.7	11.3	11.9	12.5	13.2	13.8	14.5
-57.5°	8.9	9.1	9.5	9.9	10.3	10.7	11.3	11.9	12.5	13.0	13.6
-58.75°	8.7	8.9	9.1	9.5	9.9	10.3	10.7	11.2	11.7	12.3	12.9
-60°	8.5	8.7	8.9	9.1	9.5	9.9	10.2	10.6	11.0	11.6	12.1
-61.25°	8.3	8.5	8.7	8.9	9.1	9.4	9.8	10.1	10.5	10.8	11.3
-62.5°	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.7	10.0	10.3	10.6
-63.75°	7.8	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.5	9.8	10.1
-65°	7.6	7.8	8.0	8.3	8.4	8.6	8.8	8.9	9.1	9.3	9.6
-66.25°	7.3	7.5	7.7	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.1
-67.5°	7.0	7.2	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.7	8.8
-68.75°	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5
-70°	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1	8.3
-71.25°	5.9	6.1	6.4	6.6	6.9	7.0	7.2	7.4	7.6	7.7	7.9
-72.5°	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.0	7.2	7.3	7.5
-73.75°	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
-75°	4.8	5.0	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.6
-76.25°	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
-77.5°	4.0	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.2	5.4	5.5



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	3.6	3.8	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
-80°	3.1	3.3	3.5	3.6	3.7	3.9	4.0	4.1	4.2	4.3	4.5
-81.25°	2.6	2.8	2.9	3.1	3.2	3.4	3.5	3.6	3.7	3.8	3.9
-82.5°	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2	3.3
-83.75°	1.6	1.7	1.8	1.9	2.1	2.2	2.3	2.3	2.4	2.5	2.6
-85°	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.9	1.9
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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	1.5	1.5	1.6	1.6	1.7	1.7	1.8
85°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
83.75°	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.5
82.5°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2
81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9
80°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
78.75°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
77.5°	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.9
76.25°	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4
75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	8.0
73.75°	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4
72.5°	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
71.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
70°	8.4	8.5	8.6	8.7	8.8	9.0	9.1	9.2	9.4	9.6	9.8
68.75°	8.7	8.8	8.9	9.0	9.2	9.4	9.7	9.9	10.1	10.3	10.5
67.5°	9.0	9.1	9.3	9.6	9.8	10.0	10.3	10.5	10.7	11.0	11.3
66.25°	9.4	9.6	9.9	10.2	10.4	10.6	10.9	11.3	11.6	12.0	12.3
65°	9.9	10.2	10.5	10.7	11.1	11.5	11.9	12.2	12.6	13.0	13.3
63.75°	10.4	10.7	11.1	11.6	12.0	12.4	12.8	13.2	13.6	14.1	14.5
62.5°	11.0	11.5	12.0	12.4	12.9	13.3	13.8	14.3	14.7	15.2	15.6
61.25°	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9
60°	12.6	13.1	13.7	14.2	14.8	15.4	15.9	16.4	17.0	17.6	18.2
58.75°	13.4	14.0	14.6	15.2	15.8	16.4	17.0	17.7	18.3	18.9	19.5
57.5°	14.3	14.9	15.6	16.2	16.9	17.6	18.3	18.9	19.6	20.2	20.8
56.25°	15.2	15.9	16.5	17.3	18.0	18.8	19.5	20.2	20.8	21.5	22.2
55°	16.1	16.8	17.6	18.4	19.2	19.9	20.7	21.4	22.1	22.8	23.4
53.75°	17.0	17.9	18.7	19.5	20.3	21.1	21.9	22.6	23.3	23.8	24.2
52.5°	18.0	18.9	19.8	20.6	21.4	22.2	23.0	23.6	24.1	24.6	25.0
51.25°	19.0	19.9	20.8	21.7	22.5	23.4	23.9	24.4	24.8	25.3	25.8
50°	20.0	20.9	21.8	22.7	23.5	24.1	24.6	25.1	25.6	26.2	26.8
48.75°	21.0	21.9	22.9	23.6	24.2	24.7	25.3	25.9	26.5	27.1	27.7
47.5°	21.9	22.9	23.7	24.3	24.8	25.4	26.0	26.7	27.4	28.0	28.3
46.25°	22.9	23.7	24.3	24.9	25.5	26.2	26.9	27.6	28.1	28.4	28.6
45°	23.6	24.3	24.9	25.5	26.2	27.0	27.7	28.2	28.4	28.7	28.9
43.75°	24.2	24.8	25.5	26.2	27.0	27.8	28.2	28.5	28.7	29.0	29.0
42.5°	24.7	25.4	26.2	27.0	27.8	28.3	28.5	28.8	29.0	29.0	29.0
41.25°	25.3	26.0	26.9	27.7	28.2	28.5	28.8	29.0	29.0	29.0	29.0
40°	25.9	26.7	27.6	28.2	28.5	28.8	29.0	29.0	29.0	29.0	29.0
38.75°	26.5	27.4	28.1	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0
37.5°	27.1	28.0	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0
36.25°	27.7	28.3	28.6	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.2
35°	28.2	28.5	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.5



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.5	29.8
32.5°	28.6	28.9	29.0	29.0	29.0	29.0	29.0	29.1	29.4	29.7	30.1
31.25°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.3	29.7	30.0	30.5
30°	28.9	29.0	29.0	29.0	29.0	29.0	29.2	29.6	29.9	30.4	30.8
28.75°	29.0	29.0	29.0	29.0	29.0	29.1	29.4	29.8	30.2	30.7	31.2
27.5°	29.0	29.0	29.0	29.0	29.0	29.3	29.7	30.1	30.6	31.1	31.5
26.25°	29.0	29.0	29.0	29.0	29.1	29.5	29.9	30.4	30.9	31.4	31.9
25°	29.0	29.0	29.0	29.0	29.3	29.7	30.1	30.7	31.2	31.7	32.2
23.75°	29.0	29.0	29.0	29.1	29.5	29.9	30.4	31.0	31.5	32.0	32.5
22.5°	29.0	29.0	29.0	29.3	29.7	30.1	30.7	31.2	31.8	32.3	32.8
21.25°	29.0	29.0	29.0	29.4	29.8	30.4	30.9	31.5	32.0	32.6	33.1
20°	29.0	29.0	29.2	29.6	30.0	30.6	31.2	31.7	32.3	32.9	33.4
18.75°	29.0	29.0	29.3	29.7	30.2	30.8	31.4	32.0	32.6	33.1	33.7
17.5°	29.0	29.0	29.5	29.9	30.4	31.0	31.6	32.2	32.8	33.4	33.9
16.25°	29.0	29.2	29.6	30.0	30.6	31.2	31.8	32.4	33.0	33.6	34.2
15°	29.0	29.3	29.7	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.4
13.75°	29.0	29.4	29.8	30.4	31.0	31.6	32.2	32.8	33.4	34.0	34.6
12.5°	29.0	29.5	29.9	30.5	31.1	31.7	32.4	33.0	33.6	34.2	34.8
11.25°	29.1	29.5	30.0	30.6	31.3	31.9	32.5	33.1	33.7	34.4	35.0
10°	29.2	29.6	30.1	30.8	31.4	32.0	32.6	33.3	33.9	34.5	35.2
8.75°	29.2	29.7	30.2	30.9	31.5	32.1	32.8	33.4	34.0	34.7	35.5
7.5°	29.3	29.7	30.3	30.9	31.6	32.2	32.9	33.5	34.1	34.8	35.7
6.25°	29.3	29.8	30.4	31.0	31.7	32.3	32.9	33.6	34.2	34.9	35.9
5°	29.4	29.8	30.4	31.1	31.7	32.4	33.0	33.7	34.3	35.0	36.1
3.75°	29.4	29.9	30.5	31.1	31.8	32.4	33.1	33.7	34.4	35.0	36.2
2.5°	29.4	29.9	30.5	31.2	31.8	32.5	33.1	33.8	34.4	35.1	36.3
1.25°	29.4	29.9	30.5	31.2	31.8	32.5	33.1	33.8	34.4	35.1	36.4
0°	29.5	29.9	30.6	31.2	31.9	32.5	33.2	33.8	34.5	35.1	36.4
-1.25°	29.4	29.9	30.5	31.2	31.8	32.5	33.1	33.8	34.4	35.1	36.4
-2.5°	29.4	29.9	30.5	31.2	31.8	32.5	33.1	33.8	34.4	35.1	36.3
-3.75°	29.4	29.9	30.5	31.1	31.8	32.4	33.1	33.7	34.4	35.0	36.2
-5°	29.4	29.8	30.4	31.1	31.7	32.4	33.0	33.7	34.3	35.0	36.1
-6.25°	29.3	29.8	30.4	31.0	31.7	32.3	32.9	33.6	34.2	34.9	35.9
-7.5°	29.3	29.7	30.3	30.9	31.6	32.2	32.9	33.5	34.1	34.8	35.7
-8.75°	29.2	29.7	30.2	30.9	31.5	32.1	32.8	33.4	34.0	34.7	35.5
-10°	29.2	29.6	30.1	30.8	31.4	32.0	32.6	33.3	33.9	34.5	35.2
-11.25°	29.1	29.5	30.0	30.6	31.3	31.9	32.5	33.1	33.7	34.4	35.0
-12.5°	29.0	29.5	29.9	30.5	31.1	31.7	32.4	33.0	33.6	34.2	34.8
-13.75°	29.0	29.4	29.8	30.4	31.0	31.6	32.2	32.8	33.4	34.0	34.6
-15°	29.0	29.3	29.7	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.4
-16.25°	29.0	29.2	29.6	30.0	30.6	31.2	31.8	32.4	33.0	33.6	34.2
-17.5°	29.0	29.0	29.5	29.9	30.4	31.0	31.6	32.2	32.8	33.4	33.9
-18.75°	29.0	29.0	29.3	29.7	30.2	30.8	31.4	32.0	32.6	33.1	33.7
-20°	29.0	29.0	29.2	29.6	30.0	30.6	31.2	31.7	32.3	32.9	33.4
-21.25°	29.0	29.0	29.0	29.4	29.8	30.4	30.9	31.5	32.0	32.6	33.1



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	29.0	29.0	29.0	29.3	29.7	30.1	30.7	31.2	31.8	32.3	32.8
-23.75°	29.0	29.0	29.0	29.1	29.5	29.9	30.4	31.0	31.5	32.0	32.5
-25°	29.0	29.0	29.0	29.0	29.3	29.7	30.1	30.7	31.2	31.7	32.2
-26.25°	29.0	29.0	29.0	29.0	29.1	29.5	29.9	30.4	30.9	31.4	31.9
-27.5°	29.0	29.0	29.0	29.0	29.0	29.3	29.7	30.1	30.6	31.1	31.5
-28.75°	29.0	29.0	29.0	29.0	29.0	29.1	29.4	29.8	30.2	30.7	31.2
-30°	28.9	29.0	29.0	29.0	29.0	29.0	29.2	29.6	29.9	30.4	30.8
-31.25°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.3	29.7	30.0	30.5
-32.5°	28.6	28.9	29.0	29.0	29.0	29.0	29.0	29.1	29.4	29.7	30.1
-33.75°	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.5	29.8
-35°	28.2	28.5	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.5
-36.25°	27.7	28.3	28.6	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.2
-37.5°	27.1	28.0	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-38.75°	26.5	27.4	28.1	28.4	28.7	29.0	29.0	29.0	29.0	29.0	29.0
-40°	25.9	26.7	27.6	28.2	28.5	28.8	29.0	29.0	29.0	29.0	29.0
-41.25°	25.3	26.0	26.9	27.7	28.2	28.5	28.8	29.0	29.0	29.0	29.0
-42.5°	24.7	25.4	26.2	27.0	27.8	28.3	28.5	28.8	29.0	29.0	29.0
-43.75°	24.2	24.8	25.5	26.2	27.0	27.8	28.2	28.5	28.7	29.0	29.0
-45°	23.6	24.3	24.9	25.5	26.2	27.0	27.7	28.2	28.4	28.7	28.9
-46.25°	22.9	23.7	24.3	24.9	25.5	26.2	26.9	27.6	28.1	28.4	28.6
-47.5°	21.9	22.9	23.7	24.3	24.8	25.4	26.0	26.7	27.4	28.0	28.3
-48.75°	21.0	21.9	22.9	23.6	24.2	24.7	25.3	25.9	26.5	27.1	27.7
-50°	20.0	20.9	21.8	22.7	23.5	24.1	24.6	25.1	25.6	26.2	26.8
-51.25°	19.0	19.9	20.8	21.7	22.5	23.4	23.9	24.4	24.8	25.3	25.8
-52.5°	18.0	18.9	19.8	20.6	21.4	22.2	23.0	23.6	24.1	24.6	25.0
-53.75°	17.0	17.9	18.7	19.5	20.3	21.1	21.9	22.6	23.3	23.8	24.2
-55°	16.1	16.8	17.6	18.4	19.2	19.9	20.7	21.4	22.1	22.8	23.4
-56.25°	15.2	15.9	16.5	17.3	18.0	18.8	19.5	20.2	20.8	21.5	22.2
-57.5°	14.3	14.9	15.6	16.2	16.9	17.6	18.3	18.9	19.6	20.2	20.8
-58.75°	13.4	14.0	14.6	15.2	15.8	16.4	17.0	17.7	18.3	18.9	19.5
-60°	12.6	13.1	13.7	14.2	14.8	15.4	15.9	16.4	17.0	17.6	18.2
-61.25°	11.8	12.3	12.8	13.3	13.8	14.3	14.8	15.3	15.8	16.3	16.9
-62.5°	11.0	11.5	12.0	12.4	12.9	13.3	13.8	14.3	14.7	15.2	15.6
-63.75°	10.4	10.7	11.1	11.6	12.0	12.4	12.8	13.2	13.6	14.1	14.5
-65°	9.9	10.2	10.5	10.7	11.1	11.5	11.9	12.2	12.6	13.0	13.3
-66.25°	9.4	9.6	9.9	10.2	10.4	10.6	10.9	11.3	11.6	12.0	12.3
-67.5°	9.0	9.1	9.3	9.6	9.8	10.0	10.3	10.5	10.7	11.0	11.3
-68.75°	8.7	8.8	8.9	9.0	9.2	9.4	9.7	9.9	10.1	10.3	10.5
-70°	8.4	8.5	8.6	8.7	8.8	9.0	9.1	9.2	9.4	9.6	9.8
-71.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
-72.5°	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-73.75°	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	8.0
-76.25°	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4
-77.5°	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.9



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
-80°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-81.25°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9
-82.5°	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.2
-83.75°	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.5
-85°	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6
-86.25°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
85°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0
82.5°	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8
81.25°	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
80°	5.7	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4
78.75°	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.0	7.1
77.5°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7
76.25°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3
75°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7
73.75°	8.5	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.1
72.5°	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.7	9.8	9.9
71.25°	9.3	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.5	10.6
70°	10.0	10.1	10.3	10.5	10.6	10.8	11.0	11.2	11.4	11.6	11.8
68.75°	10.6	10.8	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.7	12.9
67.5°	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.5	13.8	14.0	14.2
66.25°	12.6	12.9	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.6
65°	13.7	14.1	14.5	14.8	15.2	15.5	15.8	16.1	16.4	16.8	17.1
63.75°	14.9	15.3	15.7	16.1	16.4	16.8	17.2	17.6	18.0	18.3	18.7
62.5°	16.1	16.5	17.0	17.5	17.9	18.3	18.7	19.2	19.5	19.9	20.3
61.25°	17.4	17.9	18.4	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8
60°	18.7	19.3	19.8	20.3	20.8	21.3	21.8	22.2	22.6	23.0	23.4
58.75°	20.1	20.7	21.2	21.8	22.3	22.8	23.3	23.6	23.9	24.1	24.4
57.5°	21.5	22.0	22.6	23.2	23.6	23.9	24.2	24.5	24.8	25.0	25.3
56.25°	22.8	23.4	23.8	24.1	24.5	24.8	25.1	25.4	25.7	26.1	26.4
55°	23.8	24.2	24.6	25.0	25.3	25.7	26.1	26.5	26.9	27.2	27.6
53.75°	24.6	25.0	25.4	25.9	26.3	26.8	27.2	27.6	28.0	28.2	28.3
52.5°	25.4	25.9	26.4	26.9	27.4	27.8	28.2	28.3	28.5	28.6	28.7
51.25°	26.4	26.9	27.4	27.9	28.2	28.4	28.5	28.7	28.8	29.0	29.0
50°	27.3	27.9	28.2	28.4	28.6	28.7	28.9	29.0	29.0	29.0	29.0
48.75°	28.2	28.4	28.6	28.8	28.9	29.0	29.0	29.0	29.0	29.0	29.0
47.5°	28.5	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
46.25°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
45°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.3
43.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.3	29.5	29.7
42.5°	29.0	29.0	29.0	29.0	29.0	29.1	29.3	29.5	29.7	29.9	30.1
41.25°	29.0	29.0	29.0	29.0	29.2	29.4	29.7	29.9	30.1	30.4	30.7
40°	29.0	29.0	29.1	29.3	29.6	29.8	30.1	30.4	30.7	31.0	31.2
38.75°	29.0	29.2	29.4	29.7	29.9	30.2	30.6	30.9	31.2	31.5	31.8
37.5°	29.2	29.5	29.7	30.0	30.4	30.7	31.1	31.4	31.7	32.0	32.3
36.25°	29.5	29.8	30.1	30.5	30.8	31.2	31.5	31.9	32.2	32.5	32.8
35°	29.8	30.1	30.5	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	30.1	30.5	31.0	31.4	31.8	32.1	32.5	32.9	33.2	33.6	33.9
32.5°	30.5	31.0	31.4	31.8	32.2	32.6	33.0	33.4	33.7	34.1	34.4
31.25°	30.9	31.4	31.8	32.2	32.6	33.0	33.4	33.8	34.2	34.6	34.9
30°	31.3	31.8	32.2	32.6	33.1	33.5	33.9	34.3	34.7	35.1	35.8
28.75°	31.7	32.1	32.6	33.0	33.5	33.9	34.3	34.8	35.2	36.0	36.8
27.5°	32.0	32.5	33.0	33.4	33.9	34.3	34.8	35.3	36.1	37.0	37.8
26.25°	32.4	32.9	33.4	33.8	34.3	34.8	35.3	36.2	37.0	38.2	40.5
25°	32.7	33.2	33.7	34.2	34.7	35.2	36.1	37.0	38.4	40.8	43.1
23.75°	33.1	33.6	34.1	34.6	35.1	36.0	37.0	38.2	40.8	43.3	45.8
22.5°	33.4	33.9	34.4	34.9	35.8	36.8	37.8	40.5	43.1	45.8	48.8
21.25°	33.7	34.2	34.7	35.4	36.5	37.5	39.9	42.7	45.5	48.6	51.7
20°	34.0	34.5	35.1	36.1	37.1	39.1	42.0	44.8	48.1	51.4	55.1
18.75°	34.3	34.8	35.6	36.7	38.0	41.0	43.9	47.2	50.6	54.2	59.7
17.5°	34.5	35.1	36.2	37.3	39.7	42.8	46.0	49.5	53.0	58.2	71.7
16.25°	34.8	35.6	36.7	38.2	41.3	44.5	48.1	51.7	56.3	67.2	94.2
15°	35.0	36.1	37.2	39.6	42.9	46.3	50.1	53.9	60.8	80.8	122.8
13.75°	35.3	36.5	37.7	41.0	44.3	48.1	51.9	57.0	70.2	104.2	157.0
12.5°	35.7	36.9	38.9	42.3	45.8	49.7	53.7	61.2	84.1	131.0	192.6
11.25°	36.1	37.3	40.1	43.5	47.2	51.3	56.2	68.9	103.3	159.2	227.0
10°	36.4	37.7	41.1	44.5	48.6	52.7	58.6	76.7	123.7	187.9	260.8
8.75°	36.7	38.5	42.0	45.6	49.7	54.0	63.2	91.6	145.6	214.7	291.4
7.5°	37.0	39.2	42.8	46.6	50.8	55.8	68.5	104.7	164.9	239.2	318.4
6.25°	37.2	39.9	43.5	47.4	51.7	57.3	72.9	117.0	183.9	261.1	341.6
5°	37.4	40.4	44.0	48.1	52.4	58.5	78.5	130.0	199.8	279.2	360.8
3.75°	37.5	40.8	44.4	48.6	53.0	59.7	85.4	140.1	212.3	293.5	375.9
2.5°	37.6	41.1	44.8	49.0	53.4	61.7	90.4	147.4	221.3	303.8	386.8
1.25°	37.7	41.3	44.9	49.3	53.6	62.9	93.4	151.8	226.7	310.0	393.4
0°	37.7	41.4	45.0	49.4	53.7	63.3	94.4	153.3	228.5	312.1	395.6
-1.25°	37.7	41.3	44.9	49.3	53.6	62.9	93.4	151.8	226.7	310.0	393.4
-2.5°	37.6	41.1	44.8	49.0	53.4	61.7	90.4	147.4	221.3	303.8	386.8
-3.75°	37.5	40.8	44.4	48.6	53.0	59.7	85.4	140.1	212.3	293.5	375.9
-5°	37.4	40.4	44.0	48.1	52.4	58.5	78.5	130.0	199.8	279.2	360.8
-6.25°	37.2	39.9	43.5	47.4	51.7	57.3	72.9	117.0	183.9	261.1	341.6
-7.5°	37.0	39.2	42.8	46.6	50.8	55.8	68.5	104.7	164.9	239.2	318.4
-8.75°	36.7	38.5	42.0	45.6	49.7	54.0	63.2	91.6	145.6	214.7	291.4
-10°	36.4	37.7	41.1	44.5	48.6	52.7	58.6	76.7	123.7	187.9	260.8
-11.25°	36.1	37.3	40.1	43.5	47.2	51.3	56.2	68.9	103.3	159.2	227.0
-12.5°	35.7	36.9	38.9	42.3	45.8	49.7	53.7	61.2	84.1	131.0	192.6
-13.75°	35.3	36.5	37.7	41.0	44.3	48.1	51.9	57.0	70.2	104.2	157.0
-15°	35.0	36.1	37.2	39.6	42.9	46.3	50.1	53.9	60.8	80.8	122.8
-16.25°	34.8	35.6	36.7	38.2	41.3	44.5	48.1	51.7	56.3	67.2	94.2
-17.5°	34.5	35.1	36.2	37.3	39.7	42.8	46.0	49.5	53.0	58.2	71.7
-18.75°	34.3	34.8	35.6	36.7	38.0	41.0	43.9	47.2	50.6	54.2	59.7
-20°	34.0	34.5	35.1	36.1	37.1	39.1	42.0	44.8	48.1	51.4	55.1
-21.25°	33.7	34.2	34.7	35.4	36.5	37.5	39.9	42.7	45.5	48.6	51.7



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	33.4	33.9	34.4	34.9	35.8	36.8	37.8	40.5	43.1	45.8	48.8
-23.75°	33.1	33.6	34.1	34.6	35.1	36.0	37.0	38.2	40.8	43.3	45.8
-25°	32.7	33.2	33.7	34.2	34.7	35.2	36.1	37.0	38.4	40.8	43.1
-26.25°	32.4	32.9	33.4	33.8	34.3	34.8	35.3	36.2	37.0	38.2	40.5
-27.5°	32.0	32.5	33.0	33.4	33.9	34.3	34.8	35.3	36.1	37.0	37.8
-28.75°	31.7	32.1	32.6	33.0	33.5	33.9	34.3	34.8	35.2	36.0	36.8
-30°	31.3	31.8	32.2	32.6	33.1	33.5	33.9	34.3	34.7	35.1	35.8
-31.25°	30.9	31.4	31.8	32.2	32.6	33.0	33.4	33.8	34.2	34.6	34.9
-32.5°	30.5	31.0	31.4	31.8	32.2	32.6	33.0	33.4	33.7	34.1	34.4
-33.75°	30.1	30.5	31.0	31.4	31.8	32.1	32.5	32.9	33.2	33.6	33.9
-35°	29.8	30.1	30.5	30.9	31.3	31.7	32.0	32.4	32.7	33.1	33.4
-36.25°	29.5	29.8	30.1	30.5	30.8	31.2	31.5	31.9	32.2	32.5	32.8
-37.5°	29.2	29.5	29.7	30.0	30.4	30.7	31.1	31.4	31.7	32.0	32.3
-38.75°	29.0	29.2	29.4	29.7	29.9	30.2	30.6	30.9	31.2	31.5	31.8
-40°	29.0	29.0	29.1	29.3	29.6	29.8	30.1	30.4	30.7	31.0	31.2
-41.25°	29.0	29.0	29.0	29.0	29.2	29.4	29.7	29.9	30.1	30.4	30.7
-42.5°	29.0	29.0	29.0	29.0	29.0	29.1	29.3	29.5	29.7	29.9	30.1
-43.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.3	29.5	29.7
-45°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.3
-46.25°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-47.5°	28.5	28.7	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-48.75°	28.2	28.4	28.6	28.8	28.9	29.0	29.0	29.0	29.0	29.0	29.0
-50°	27.3	27.9	28.2	28.4	28.6	28.7	28.9	29.0	29.0	29.0	29.0
-51.25°	26.4	26.9	27.4	27.9	28.2	28.4	28.5	28.7	28.8	29.0	29.0
-52.5°	25.4	25.9	26.4	26.9	27.4	27.8	28.2	28.3	28.5	28.6	28.7
-53.75°	24.6	25.0	25.4	25.9	26.3	26.8	27.2	27.6	28.0	28.2	28.3
-55°	23.8	24.2	24.6	25.0	25.3	25.7	26.1	26.5	26.9	27.2	27.6
-56.25°	22.8	23.4	23.8	24.1	24.5	24.8	25.1	25.4	25.7	26.1	26.4
-57.5°	21.5	22.0	22.6	23.2	23.6	23.9	24.2	24.5	24.8	25.0	25.3
-58.75°	20.1	20.7	21.2	21.8	22.3	22.8	23.3	23.6	23.9	24.1	24.4
-60°	18.7	19.3	19.8	20.3	20.8	21.3	21.8	22.2	22.6	23.0	23.4
-61.25°	17.4	17.9	18.4	18.9	19.4	19.8	20.3	20.7	21.1	21.5	21.8
-62.5°	16.1	16.5	17.0	17.5	17.9	18.3	18.7	19.2	19.5	19.9	20.3
-63.75°	14.9	15.3	15.7	16.1	16.4	16.8	17.2	17.6	18.0	18.3	18.7
-65°	13.7	14.1	14.5	14.8	15.2	15.5	15.8	16.1	16.4	16.8	17.1
-66.25°	12.6	12.9	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.6
-67.5°	11.6	11.9	12.2	12.5	12.7	13.0	13.2	13.5	13.8	14.0	14.2
-68.75°	10.6	10.8	11.1	11.4	11.6	11.9	12.1	12.3	12.5	12.7	12.9
-70°	10.0	10.1	10.3	10.5	10.6	10.8	11.0	11.2	11.4	11.6	11.8
-71.25°	9.3	9.4	9.6	9.7	9.9	10.0	10.2	10.3	10.4	10.5	10.6
-72.5°	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.7	9.8	9.9
-73.75°	8.5	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.1
-75°	8.1	8.2	8.2	8.3	8.4	8.4	8.5	8.5	8.6	8.6	8.7
-76.25°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3
-77.5°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.0	7.1
-80°	5.7	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4
-81.25°	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
-82.5°	4.3	4.3	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8
-83.75°	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0	4.0	4.0
-85°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1	3.1	3.2
-86.25°	1.8	1.8	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4
85°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
83.75°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3
82.5°	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1
81.25°	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0
80°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
78.75°	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.5	7.5
77.5°	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1
76.25°	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6
75°	8.7	8.8	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.0
73.75°	9.2	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8
72.5°	10.0	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7
71.25°	10.8	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
70°	11.9	12.1	12.3	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.1
68.75°	13.1	13.3	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6
67.5°	14.5	14.7	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1
66.25°	15.9	16.1	16.3	16.5	16.7	17.0	17.1	17.3	17.5	17.6	17.7
65°	17.4	17.7	17.9	18.2	18.4	18.6	18.8	19.0	19.2	19.3	19.5
63.75°	19.0	19.3	19.6	19.8	20.1	20.3	20.5	20.7	20.9	21.1	21.2
62.5°	20.6	20.9	21.2	21.5	21.7	22.0	22.2	22.4	22.6	22.8	22.9
61.25°	22.2	22.5	22.8	23.1	23.4	23.6	23.7	23.8	23.9	24.0	24.1
60°	23.6	23.8	24.0	24.2	24.4	24.6	24.7	24.8	25.0	25.1	25.2
58.75°	24.6	24.8	25.0	25.2	25.4	25.6	25.8	25.9	26.1	26.3	26.4
57.5°	25.6	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.4	27.5	27.7
56.25°	26.7	27.0	27.3	27.6	27.8	28.1	28.2	28.2	28.3	28.3	28.4
55°	27.9	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.7	28.8	28.8
53.75°	28.4	28.6	28.7	28.8	28.9	28.9	29.0	29.0	29.0	29.0	29.0
52.5°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
48.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.2	29.2
47.5°	29.0	29.0	29.0	29.0	29.2	29.3	29.4	29.5	29.5	29.6	29.7
46.25°	29.0	29.2	29.3	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2
45°	29.4	29.6	29.7	29.9	30.0	30.2	30.4	30.5	30.6	30.8	30.9
43.75°	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.1	31.3	31.4	31.5
42.5°	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.7	31.9	32.0	32.1
41.25°	30.9	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.5	32.6	32.8
40°	31.5	31.7	32.0	32.2	32.4	32.6	32.8	33.0	33.1	33.3	33.4
38.75°	32.0	32.3	32.6	32.8	33.0	33.2	33.4	33.6	33.7	33.9	34.0
37.5°	32.6	32.9	33.1	33.4	33.6	33.8	34.0	34.2	34.4	34.5	34.7
36.25°	33.1	33.4	33.7	33.9	34.2	34.4	34.6	34.8	35.0	35.2	35.5
35°	33.7	34.0	34.3	34.5	34.8	35.0	35.3	35.7	36.1	36.4	36.7



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	34.2	34.5	34.8	35.1	35.6	36.1	36.5	36.9	37.3	37.7	38.5
32.5°	34.7	35.1	35.6	36.2	36.7	37.2	37.7	38.9	40.1	41.1	42.0
31.25°	35.4	36.1	36.7	37.3	38.2	39.6	41.0	42.3	43.5	44.5	45.6
30°	36.5	37.1	38.0	39.7	41.3	42.9	44.3	45.8	47.2	48.6	49.7
28.75°	37.5	39.1	41.0	42.8	44.5	46.3	48.1	49.7	51.3	52.7	54.0
27.5°	39.9	42.0	43.9	46.0	48.1	50.1	51.9	53.7	56.2	58.6	63.2
26.25°	42.7	44.8	47.2	49.5	51.7	53.9	57.0	61.2	68.9	76.7	91.6
25°	45.5	48.1	50.6	53.0	56.3	60.8	70.2	84.1	103.3	123.7	145.6
23.75°	48.6	51.4	54.2	58.2	67.2	80.8	104.2	131.0	159.2	187.9	214.7
22.5°	51.7	55.1	59.7	71.7	94.2	122.8	157.0	192.6	227.0	260.8	291.4
21.25°	55.4	61.5	74.5	103.2	138.9	178.4	220.1	261.5	300.6	336.4	368.6
20°	61.5	75.6	107.7	148.7	194.0	240.9	288.0	332.2	373.3	405.0	425.9
18.75°	74.5	107.7	151.9	201.8	254.0	305.9	355.2	399.3	425.8	450.1	472.2
17.5°	103.2	148.7	201.8	258.4	314.9	369.2	411.0	440.9	468.8	494.5	514.0
16.25°	138.9	194.0	254.0	314.9	373.9	417.0	450.1	481.4	508.3	530.3	554.5
15°	178.4	240.9	305.9	369.2	417.0	453.2	487.8	516.3	543.6	572.1	601.9
13.75°	220.1	288.0	355.2	411.0	450.1	487.8	519.0	550.5	584.3	619.7	662.2
12.5°	261.5	332.2	399.3	440.9	481.4	516.3	550.5	588.4	631.2	681.5	749.1
11.25°	300.6	373.3	425.8	468.8	508.3	543.6	584.3	631.2	690.6	768.2	857.7
10°	336.4	405.0	450.1	494.5	530.3	572.1	619.7	681.5	768.2	870.4	991.9
8.75°	368.6	425.9	472.2	514.0	554.5	601.9	662.2	749.1	857.7	991.9	1152.6
7.5°	396.5	444.4	491.8	530.9	577.1	632.8	711.7	820.4	957.1	1128.7	1345.8
6.25°	411.6	460.3	506.6	548.5	598.8	664.0	761.8	889.3	1058.3	1276.4	1567.5
5°	424.0	473.6	518.0	563.3	617.4	696.6	812.7	963.9	1162.5	1432.3	1803.2
3.75°	433.9	484.0	527.0	575.7	636.8	727.8	854.9	1023.8	1257.0	1590.5	2041.7
2.5°	440.9	491.6	534.2	585.4	650.9	750.5	886.7	1078.4	1341.8	1720.1	2225.6
1.25°	445.2	496.2	539.0	591.4	659.5	764.4	911.1	1112.8	1393.9	1800.1	2350.3
0°	446.7	497.7	540.6	593.4	662.4	769.0	919.3	1124.4	1411.5	1827.2	2394.9
-1.25°	445.2	496.2	539.0	591.4	659.5	764.4	911.1	1112.8	1393.9	1800.1	2350.3
-2.5°	440.9	491.6	534.2	585.4	650.9	750.5	886.7	1078.4	1341.8	1720.1	2225.6
-3.75°	433.9	484.0	527.0	575.7	636.8	727.8	854.9	1023.8	1257.0	1590.5	2041.7
-5°	424.0	473.6	518.0	563.3	617.4	696.6	812.7	963.9	1162.5	1432.3	1803.2
-6.25°	411.6	460.3	506.6	548.5	598.8	664.0	761.8	889.3	1058.3	1276.4	1567.5
-7.5°	396.5	444.4	491.8	530.9	577.1	632.8	711.7	820.4	957.1	1128.7	1345.8
-8.75°	368.6	425.9	472.2	514.0	554.5	601.9	662.2	749.1	857.7	991.9	1152.6
-10°	336.4	405.0	450.1	494.5	530.3	572.1	619.7	681.5	768.2	870.4	991.9
-11.25°	300.6	373.3	425.8	468.8	508.3	543.6	584.3	631.2	690.6	768.2	857.7
-12.5°	261.5	332.2	399.3	440.9	481.4	516.3	550.5	588.4	631.2	681.5	749.1
-13.75°	220.1	288.0	355.2	411.0	450.1	487.8	519.0	550.5	584.3	619.7	662.2
-15°	178.4	240.9	305.9	369.2	417.0	453.2	487.8	516.3	543.6	572.1	601.9
-16.25°	138.9	194.0	254.0	314.9	373.9	417.0	450.1	481.4	508.3	530.3	554.5
-17.5°	103.2	148.7	201.8	258.4	314.9	369.2	411.0	440.9	468.8	494.5	514.0
-18.75°	74.5	107.7	151.9	201.8	254.0	305.9	355.2	399.3	425.8	450.1	472.2
-20°	61.5	75.6	107.7	148.7	194.0	240.9	288.0	332.2	373.3	405.0	425.9
-21.25°	55.4	61.5	74.5	103.2	138.9	178.4	220.1	261.5	300.6	336.4	368.6



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	51.7	55.1	59.7	71.7	94.2	122.8	157.0	192.6	227.0	260.8	291.4
-23.75°	48.6	51.4	54.2	58.2	67.2	80.8	104.2	131.0	159.2	187.9	214.7
-25°	45.5	48.1	50.6	53.0	56.3	60.8	70.2	84.1	103.3	123.7	145.6
-26.25°	42.7	44.8	47.2	49.5	51.7	53.9	57.0	61.2	68.9	76.7	91.6
-27.5°	39.9	42.0	43.9	46.0	48.1	50.1	51.9	53.7	56.2	58.6	63.2
-28.75°	37.5	39.1	41.0	42.8	44.5	46.3	48.1	49.7	51.3	52.7	54.0
-30°	36.5	37.1	38.0	39.7	41.3	42.9	44.3	45.8	47.2	48.6	49.7
-31.25°	35.4	36.1	36.7	37.3	38.2	39.6	41.0	42.3	43.5	44.5	45.6
-32.5°	34.7	35.1	35.6	36.2	36.7	37.2	37.7	38.9	40.1	41.1	42.0
-33.75°	34.2	34.5	34.8	35.1	35.6	36.1	36.5	36.9	37.3	37.7	38.5
-35°	33.7	34.0	34.3	34.5	34.8	35.0	35.3	35.7	36.1	36.4	36.7
-36.25°	33.1	33.4	33.7	33.9	34.2	34.4	34.6	34.8	35.0	35.2	35.5
-37.5°	32.6	32.9	33.1	33.4	33.6	33.8	34.0	34.2	34.4	34.5	34.7
-38.75°	32.0	32.3	32.6	32.8	33.0	33.2	33.4	33.6	33.7	33.9	34.0
-40°	31.5	31.7	32.0	32.2	32.4	32.6	32.8	33.0	33.1	33.3	33.4
-41.25°	30.9	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.5	32.6	32.8
-42.5°	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.7	31.9	32.0	32.1
-43.75°	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.1	31.3	31.4	31.5
-45°	29.4	29.6	29.7	29.9	30.0	30.2	30.4	30.5	30.6	30.8	30.9
-46.25°	29.0	29.2	29.3	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2
-47.5°	29.0	29.0	29.0	29.0	29.2	29.3	29.4	29.5	29.5	29.6	29.7
-48.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.2	29.2
-50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-52.5°	28.8	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-53.75°	28.4	28.6	28.7	28.8	28.9	28.9	29.0	29.0	29.0	29.0	29.0
-55°	27.9	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.7	28.8	28.8
-56.25°	26.7	27.0	27.3	27.6	27.8	28.1	28.2	28.2	28.3	28.3	28.4
-57.5°	25.6	25.8	26.1	26.4	26.6	26.8	27.0	27.2	27.4	27.5	27.7
-58.75°	24.6	24.8	25.0	25.2	25.4	25.6	25.8	25.9	26.1	26.3	26.4
-60°	23.6	23.8	24.0	24.2	24.4	24.6	24.7	24.8	25.0	25.1	25.2
-61.25°	22.2	22.5	22.8	23.1	23.4	23.6	23.7	23.8	23.9	24.0	24.1
-62.5°	20.6	20.9	21.2	21.5	21.7	22.0	22.2	22.4	22.6	22.8	22.9
-63.75°	19.0	19.3	19.6	19.8	20.1	20.3	20.5	20.7	20.9	21.1	21.2
-65°	17.4	17.7	17.9	18.2	18.4	18.6	18.8	19.0	19.2	19.3	19.5
-66.25°	15.9	16.1	16.3	16.5	16.7	17.0	17.1	17.3	17.5	17.6	17.7
-67.5°	14.5	14.7	14.9	15.1	15.3	15.4	15.6	15.7	15.9	16.0	16.1
-68.75°	13.1	13.3	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.5	14.6
-70°	11.9	12.1	12.3	12.4	12.5	12.7	12.8	12.9	13.0	13.1	13.1
-71.25°	10.8	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
-72.5°	10.0	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.6	10.7
-73.75°	9.2	9.3	9.3	9.4	9.5	9.6	9.6	9.7	9.7	9.8	9.8
-75°	8.7	8.8	8.8	8.8	8.9	8.9	8.9	9.0	9.0	9.0	9.0
-76.25°	8.3	8.3	8.4	8.4	8.4	8.5	8.5	8.5	8.6	8.6	8.6
-77.5°	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.5	7.5
-80°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
-81.25°	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0
-82.5°	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1
-83.75°	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3
-85°	3.2	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4
-86.25°	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.4
-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



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
81.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
80°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
78.75°	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5
77.5°	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
76.25°	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.6	8.6
75°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
73.75°	9.9	9.9	9.9	9.9	9.9	9.9	10.0	9.9	9.9	9.9	9.9
72.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
71.25°	11.9	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
70°	13.2	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
68.75°	14.7	14.7	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.8	14.8
67.5°	16.2	16.2	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.3
66.25°	17.8	17.9	18.0	18.1	18.1	18.1	18.2	18.1	18.1	18.1	18.0
65°	19.6	19.7	19.8	19.8	19.9	19.9	19.9	19.9	19.9	19.8	19.8
63.75°	21.3	21.4	21.5	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.5
62.5°	23.0	23.2	23.2	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.2
61.25°	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.4	24.4	24.4	24.3
60°	25.3	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4
58.75°	26.5	26.6	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.7
57.5°	27.8	27.9	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.0	28.0
56.25°	28.4	28.5	28.5	28.5	28.5	28.5	28.6	28.5	28.5	28.5	28.5
55°	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9
53.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
52.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
48.75°	29.3	29.3	29.4	29.4	29.4	29.4	29.5	29.4	29.4	29.4	29.4
47.5°	29.7	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.8
46.25°	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.5	30.5	30.5	30.4
45°	30.9	31.0	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.1	31.1
43.75°	31.6	31.7	31.7	31.8	31.8	31.8	31.9	31.8	31.8	31.8	31.7
42.5°	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.4	32.4
41.25°	32.9	32.9	33.0	33.1	33.1	33.1	33.2	33.1	33.1	33.1	33.0
40°	33.5	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.7	33.7
38.75°	34.1	34.2	34.3	34.4	34.4	34.4	34.5	34.4	34.4	34.4	34.3
37.5°	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.0	35.0
36.25°	35.7	35.9	36.1	36.2	36.3	36.4	36.4	36.4	36.3	36.2	36.1
35°	37.0	37.2	37.4	37.5	37.6	37.7	37.7	37.7	37.6	37.5	37.4



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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°	39.2	39.9	40.4	40.8	41.1	41.3	41.4	41.3	41.1	40.8	40.4
32.5°	42.8	43.5	44.0	44.4	44.8	44.9	45.0	44.9	44.8	44.4	44.0
31.25°	46.6	47.4	48.1	48.6	49.0	49.3	49.4	49.3	49.0	48.6	48.1
30°	50.8	51.7	52.4	53.0	53.4	53.6	53.7	53.6	53.4	53.0	52.4
28.75°	55.8	57.3	58.5	59.7	61.7	62.9	63.3	62.9	61.7	59.7	58.5
27.5°	68.5	72.9	78.5	85.4	90.4	93.4	94.4	93.4	90.4	85.4	78.5
26.25°	104.7	117.0	130.0	140.1	147.4	151.8	153.3	151.8	147.4	140.1	130.0
25°	164.9	183.9	199.8	212.3	221.3	226.7	228.5	226.7	221.3	212.3	199.8
23.75°	239.2	261.1	279.2	293.5	303.8	310.0	312.1	310.0	303.8	293.5	279.2
22.5°	318.4	341.6	360.8	375.9	386.8	393.4	395.6	393.4	386.8	375.9	360.8
21.25°	396.5	411.6	424.0	433.9	440.9	445.2	446.7	445.2	440.9	433.9	424.0
20°	444.4	460.3	473.6	484.0	491.6	496.2	497.7	496.2	491.6	484.0	473.6
18.75°	491.8	506.6	518.0	527.0	534.2	539.0	540.6	539.0	534.2	527.0	518.0
17.5°	530.9	548.5	563.3	575.7	585.4	591.4	593.4	591.4	585.4	575.7	563.3
16.25°	577.1	598.8	617.4	636.8	650.9	659.5	662.4	659.5	650.9	636.8	617.4
15°	632.8	664.0	696.6	727.8	750.5	764.4	769.0	764.4	750.5	727.8	696.6
13.75°	711.7	761.8	812.7	854.9	886.7	911.1	919.3	911.1	886.7	854.9	812.7
12.5°	820.4	889.3	963.9	1023.8	1078.4	1112.8	1124.4	1112.8	1078.4	1023.8	963.9
11.25°	957.1	1058.3	1162.5	1257.0	1341.8	1393.9	1411.5	1393.9	1341.8	1257.0	1162.5
10°	1128.7	1276.4	1432.3	1590.5	1720.1	1800.1	1827.2	1800.1	1720.1	1590.5	1432.3
8.75°	1345.8	1567.5	1803.2	2041.7	2225.6	2350.3	2394.9	2350.3	2225.6	2041.7	1803.2
7.5°	1619.3	1937.0	2266.0	2581.5	2825.8	2988.3	3043.9	2988.3	2825.8	2581.5	2266.0
6.25°	1937.0	2354.4	2774.8	3160.2	3458.8	3649.4	3715.4	3649.4	3458.8	3160.2	2774.8
5°	2266.0	2774.8	3278.2	3716.9	4059.1	4281.3	4359.7	4281.3	4059.1	3716.9	3278.2
3.75°	2581.5	3160.2	3716.9	4205.8	4579.9	4823.0	4897.8	4823.0	4579.9	4205.8	3716.9
2.5°	2825.8	3458.8	4059.1	4579.9	4977.1	5230.9	5311.8	5230.9	4977.1	4579.9	4059.1
1.25°	2988.3	3649.4	4281.3	4823.0	5230.9	5489.2	5578.8	5489.2	5230.9	4823.0	4281.3
0°	3043.9	3715.4	4359.7	4897.8	5311.8	5578.8	5696.6	5578.8	5311.8	4897.8	4359.7
-1.25°	2988.3	3649.4	4281.3	4823.0	5230.9	5489.2	5578.8	5489.2	5230.9	4823.0	4281.3
-2.5°	2825.8	3458.8	4059.1	4579.9	4977.1	5230.9	5311.8	5230.9	4977.1	4579.9	4059.1
-3.75°	2581.5	3160.2	3716.9	4205.8	4579.9	4823.0	4897.8	4823.0	4579.9	4205.8	3716.9
-5°	2266.0	2774.8	3278.2	3716.9	4059.1	4281.3	4359.7	4281.3	4059.1	3716.9	3278.2
-6.25°	1937.0	2354.4	2774.8	3160.2	3458.8	3649.4	3715.4	3649.4	3458.8	3160.2	2774.8
-7.5°	1619.3	1937.0	2266.0	2581.5	2825.8	2988.3	3043.9	2988.3	2825.8	2581.5	2266.0
-8.75°	1345.8	1567.5	1803.2	2041.7	2225.6	2350.3	2394.9	2350.3	2225.6	2041.7	1803.2
-10°	1128.7	1276.4	1432.3	1590.5	1720.1	1800.1	1827.2	1800.1	1720.1	1590.5	1432.3
-11.25°	957.1	1058.3	1162.5	1257.0	1341.8	1393.9	1411.5	1393.9	1341.8	1257.0	1162.5
-12.5°	820.4	889.3	963.9	1023.8	1078.4	1112.8	1124.4	1112.8	1078.4	1023.8	963.9
-13.75°	711.7	761.8	812.7	854.9	886.7	911.1	919.3	911.1	886.7	854.9	812.7
-15°	632.8	664.0	696.6	727.8	750.5	764.4	769.0	764.4	750.5	727.8	696.6
-16.25°	577.1	598.8	617.4	636.8	650.9	659.5	662.4	659.5	650.9	636.8	617.4
-17.5°	530.9	548.5	563.3	575.7	585.4	591.4	593.4	591.4	585.4	575.7	563.3
-18.75°	491.8	506.6	518.0	527.0	534.2	539.0	540.6	539.0	534.2	527.0	518.0
-20°	444.4	460.3	473.6	484.0	491.6	496.2	497.7	496.2	491.6	484.0	473.6
-21.25°	396.5	411.6	424.0	433.9	440.9	445.2	446.7	445.2	440.9	433.9	424.0



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

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	318.4	341.6	360.8	375.9	386.8	393.4	395.6	393.4	386.8	375.9	360.8
-23.75°	239.2	261.1	279.2	293.5	303.8	310.0	312.1	310.0	303.8	293.5	279.2
-25°	164.9	183.9	199.8	212.3	221.3	226.7	228.5	226.7	221.3	212.3	199.8
-26.25°	104.7	117.0	130.0	140.1	147.4	151.8	153.3	151.8	147.4	140.1	130.0
-27.5°	68.5	72.9	78.5	85.4	90.4	93.4	94.4	93.4	90.4	85.4	78.5
-28.75°	55.8	57.3	58.5	59.7	61.7	62.9	63.3	62.9	61.7	59.7	58.5
-30°	50.8	51.7	52.4	53.0	53.4	53.6	53.7	53.6	53.4	53.0	52.4
-31.25°	46.6	47.4	48.1	48.6	49.0	49.3	49.4	49.3	49.0	48.6	48.1
-32.5°	42.8	43.5	44.0	44.4	44.8	44.9	45.0	44.9	44.8	44.4	44.0
-33.75°	39.2	39.9	40.4	40.8	41.1	41.3	41.4	41.3	41.1	40.8	40.4
-35°	37.0	37.2	37.4	37.5	37.6	37.7	37.7	37.7	37.6	37.5	37.4
-36.25°	35.7	35.9	36.1	36.2	36.3	36.4	36.4	36.4	36.3	36.2	36.1
-37.5°	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.1	35.1	35.0	35.0
-38.75°	34.1	34.2	34.3	34.4	34.4	34.4	34.5	34.4	34.4	34.4	34.3
-40°	33.5	33.6	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.7	33.7
-41.25°	32.9	32.9	33.0	33.1	33.1	33.1	33.2	33.1	33.1	33.1	33.0
-42.5°	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.4	32.4
-43.75°	31.6	31.7	31.7	31.8	31.8	31.8	31.9	31.8	31.8	31.8	31.7
-45°	30.9	31.0	31.1	31.1	31.2	31.2	31.2	31.2	31.2	31.1	31.1
-46.25°	30.3	30.4	30.4	30.5	30.5	30.5	30.6	30.5	30.5	30.5	30.4
-47.5°	29.7	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.8
-48.75°	29.3	29.3	29.4	29.4	29.4	29.4	29.5	29.4	29.4	29.4	29.4
-50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-52.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-53.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-55°	28.9	28.9	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9
-56.25°	28.4	28.5	28.5	28.5	28.5	28.5	28.6	28.5	28.5	28.5	28.5
-57.5°	27.8	27.9	28.0	28.0	28.1	28.1	28.1	28.1	28.1	28.0	28.0
-58.75°	26.5	26.6	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.7
-60°	25.3	25.3	25.4	25.4	25.5	25.5	25.5	25.5	25.5	25.4	25.4
-61.25°	24.2	24.3	24.3	24.4	24.4	24.4	24.5	24.4	24.4	24.4	24.3
-62.5°	23.0	23.2	23.2	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.2
-63.75°	21.3	21.4	21.5	21.6	21.6	21.6	21.7	21.6	21.6	21.6	21.5
-65°	19.6	19.7	19.8	19.8	19.9	19.9	19.9	19.9	19.9	19.8	19.8
-66.25°	17.8	17.9	18.0	18.1	18.1	18.1	18.2	18.1	18.1	18.1	18.0
-67.5°	16.2	16.2	16.3	16.3	16.4	16.4	16.4	16.4	16.4	16.3	16.3
-68.75°	14.7	14.7	14.8	14.8	14.9	14.9	14.9	14.9	14.9	14.8	14.8
-70°	13.2	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.3
-71.25°	11.9	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.0
-72.5°	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
-73.75°	9.9	9.9	9.9	9.9	9.9	9.9	10.0	9.9	9.9	9.9	9.9
-75°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
-76.25°	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.6	8.6
-77.5°	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5
-80°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-81.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
-82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.3	4.3	4.3
-85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-86.25°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
85°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
83.75°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1
82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9
81.25°	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.7
80°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
78.75°	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2
77.5°	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8
76.25°	8.6	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.4
75°	9.1	9.1	9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.8	8.8
73.75°	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4	9.3
72.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2	10.1
71.25°	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.0
70°	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.5	12.4	12.3
68.75°	14.7	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7	13.5
67.5°	16.2	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3	15.1	14.9
66.25°	17.9	17.8	17.7	17.6	17.5	17.3	17.1	17.0	16.7	16.5	16.3
65°	19.7	19.6	19.5	19.3	19.2	19.0	18.8	18.6	18.4	18.2	17.9
63.75°	21.4	21.3	21.2	21.1	20.9	20.7	20.5	20.3	20.1	19.8	19.6
62.5°	23.2	23.0	22.9	22.8	22.6	22.4	22.2	22.0	21.7	21.5	21.2
61.25°	24.3	24.2	24.1	24.0	23.9	23.8	23.7	23.6	23.4	23.1	22.8
60°	25.3	25.3	25.2	25.1	25.0	24.8	24.7	24.6	24.4	24.2	24.0
58.75°	26.6	26.5	26.4	26.3	26.1	25.9	25.8	25.6	25.4	25.2	25.0
57.5°	27.9	27.8	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.4	26.1
56.25°	28.5	28.4	28.4	28.3	28.3	28.2	28.2	28.1	27.8	27.6	27.3
55°	28.9	28.9	28.8	28.8	28.7	28.7	28.6	28.5	28.4	28.3	28.2
53.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.9	28.8	28.7
52.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
48.75°	29.3	29.3	29.2	29.2	29.1	29.0	29.0	29.0	29.0	29.0	29.0
47.5°	29.8	29.7	29.7	29.6	29.5	29.5	29.4	29.3	29.2	29.0	29.0
46.25°	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.3
45°	31.0	30.9	30.9	30.8	30.6	30.5	30.4	30.2	30.0	29.9	29.7
43.75°	31.7	31.6	31.5	31.4	31.3	31.1	31.0	30.8	30.6	30.4	30.2
42.5°	32.3	32.2	32.1	32.0	31.9	31.7	31.6	31.4	31.2	31.0	30.8
41.25°	32.9	32.9	32.8	32.6	32.5	32.4	32.2	32.0	31.8	31.6	31.4
40°	33.6	33.5	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.2	32.0
38.75°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.8	32.6
37.5°	34.9	34.8	34.7	34.5	34.4	34.2	34.0	33.8	33.6	33.4	33.1
36.25°	35.9	35.7	35.5	35.2	35.0	34.8	34.6	34.4	34.2	33.9	33.7
35°	37.2	37.0	36.7	36.4	36.1	35.7	35.3	35.0	34.8	34.5	34.3



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°
33.75°	39.9	39.2	38.5	37.7	37.3	36.9	36.5	36.1	35.6	35.1	34.8
32.5°	43.5	42.8	42.0	41.1	40.1	38.9	37.7	37.2	36.7	36.2	35.6
31.25°	47.4	46.6	45.6	44.5	43.5	42.3	41.0	39.6	38.2	37.3	36.7
30°	51.7	50.8	49.7	48.6	47.2	45.8	44.3	42.9	41.3	39.7	38.0
28.75°	57.3	55.8	54.0	52.7	51.3	49.7	48.1	46.3	44.5	42.8	41.0
27.5°	72.9	68.5	63.2	58.6	56.2	53.7	51.9	50.1	48.1	46.0	43.9
26.25°	117.0	104.7	91.6	76.7	68.9	61.2	57.0	53.9	51.7	49.5	47.2
25°	183.9	164.9	145.6	123.7	103.3	84.1	70.2	60.8	56.3	53.0	50.6
23.75°	261.1	239.2	214.7	187.9	159.2	131.0	104.2	80.8	67.2	58.2	54.2
22.5°	341.6	318.4	291.4	260.8	227.0	192.6	157.0	122.8	94.2	71.7	59.7
21.25°	411.6	396.5	368.6	336.4	300.6	261.5	220.1	178.4	138.9	103.2	74.5
20°	460.3	444.4	425.9	405.0	373.3	332.2	288.0	240.9	194.0	148.7	107.7
18.75°	506.6	491.8	472.2	450.1	425.8	399.3	355.2	305.9	254.0	201.8	151.9
17.5°	548.5	530.9	514.0	494.5	468.8	440.9	411.0	369.2	314.9	258.4	201.8
16.25°	598.8	577.1	554.5	530.3	508.3	481.4	450.1	417.0	373.9	314.9	254.0
15°	664.0	632.8	601.9	572.1	543.6	516.3	487.8	453.2	417.0	369.2	305.9
13.75°	761.8	711.7	662.2	619.7	584.3	550.5	519.0	487.8	450.1	411.0	355.2
12.5°	889.3	820.4	749.1	681.5	631.2	588.4	550.5	516.3	481.4	440.9	399.3
11.25°	1058.3	957.1	857.7	768.2	690.6	631.2	584.3	543.6	508.3	468.8	425.8
10°	1276.4	1128.7	991.9	870.4	768.2	681.5	619.7	572.1	530.3	494.5	450.1
8.75°	1567.5	1345.8	1152.6	991.9	857.7	749.1	662.2	601.9	554.5	514.0	472.2
7.5°	1937.0	1619.3	1345.8	1128.7	957.1	820.4	711.7	632.8	577.1	530.9	491.8
6.25°	2354.4	1937.0	1567.5	1276.4	1058.3	889.3	761.8	664.0	598.8	548.5	506.6
5°	2774.8	2266.0	1803.2	1432.3	1162.5	963.9	812.7	696.6	617.4	563.3	518.0
3.75°	3160.2	2581.5	2041.7	1590.5	1257.0	1023.8	854.9	727.8	636.8	575.7	527.0
2.5°	3458.8	2825.8	2225.6	1720.1	1341.8	1078.4	886.7	750.5	650.9	585.4	534.2
1.25°	3649.4	2988.3	2350.3	1800.1	1393.9	1112.8	911.1	764.4	659.5	591.4	539.0
0°	3715.4	3043.9	2394.9	1827.2	1411.5	1124.4	919.3	769.0	662.4	593.4	540.6
-1.25°	3649.4	2988.3	2350.3	1800.1	1393.9	1112.8	911.1	764.4	659.5	591.4	539.0
-2.5°	3458.8	2825.8	2225.6	1720.1	1341.8	1078.4	886.7	750.5	650.9	585.4	534.2
-3.75°	3160.2	2581.5	2041.7	1590.5	1257.0	1023.8	854.9	727.8	636.8	575.7	527.0
-5°	2774.8	2266.0	1803.2	1432.3	1162.5	963.9	812.7	696.6	617.4	563.3	518.0
-6.25°	2354.4	1937.0	1567.5	1276.4	1058.3	889.3	761.8	664.0	598.8	548.5	506.6
-7.5°	1937.0	1619.3	1345.8	1128.7	957.1	820.4	711.7	632.8	577.1	530.9	491.8
-8.75°	1567.5	1345.8	1152.6	991.9	857.7	749.1	662.2	601.9	554.5	514.0	472.2
-10°	1276.4	1128.7	991.9	870.4	768.2	681.5	619.7	572.1	530.3	494.5	450.1
-11.25°	1058.3	957.1	857.7	768.2	690.6	631.2	584.3	543.6	508.3	468.8	425.8
-12.5°	889.3	820.4	749.1	681.5	631.2	588.4	550.5	516.3	481.4	440.9	399.3
-13.75°	761.8	711.7	662.2	619.7	584.3	550.5	519.0	487.8	450.1	411.0	355.2
-15°	664.0	632.8	601.9	572.1	543.6	516.3	487.8	453.2	417.0	369.2	305.9
-16.25°	598.8	577.1	554.5	530.3	508.3	481.4	450.1	417.0	373.9	314.9	254.0
-17.5°	548.5	530.9	514.0	494.5	468.8	440.9	411.0	369.2	314.9	258.4	201.8
-18.75°	506.6	491.8	472.2	450.1	425.8	399.3	355.2	305.9	254.0	201.8	151.9
-20°	460.3	444.4	425.9	405.0	373.3	332.2	288.0	240.9	194.0	148.7	107.7
-21.25°	411.6	396.5	368.6	336.4	300.6	261.5	220.1	178.4	138.9	103.2	74.5



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	341.6	318.4	291.4	260.8	227.0	192.6	157.0	122.8	94.2	71.7	59.7
-23.75°	261.1	239.2	214.7	187.9	159.2	131.0	104.2	80.8	67.2	58.2	54.2
-25°	183.9	164.9	145.6	123.7	103.3	84.1	70.2	60.8	56.3	53.0	50.6
-26.25°	117.0	104.7	91.6	76.7	68.9	61.2	57.0	53.9	51.7	49.5	47.2
-27.5°	72.9	68.5	63.2	58.6	56.2	53.7	51.9	50.1	48.1	46.0	43.9
-28.75°	57.3	55.8	54.0	52.7	51.3	49.7	48.1	46.3	44.5	42.8	41.0
-30°	51.7	50.8	49.7	48.6	47.2	45.8	44.3	42.9	41.3	39.7	38.0
-31.25°	47.4	46.6	45.6	44.5	43.5	42.3	41.0	39.6	38.2	37.3	36.7
-32.5°	43.5	42.8	42.0	41.1	40.1	38.9	37.7	37.2	36.7	36.2	35.6
-33.75°	39.9	39.2	38.5	37.7	37.3	36.9	36.5	36.1	35.6	35.1	34.8
-35°	37.2	37.0	36.7	36.4	36.1	35.7	35.3	35.0	34.8	34.5	34.3
-36.25°	35.9	35.7	35.5	35.2	35.0	34.8	34.6	34.4	34.2	33.9	33.7
-37.5°	34.9	34.8	34.7	34.5	34.4	34.2	34.0	33.8	33.6	33.4	33.1
-38.75°	34.2	34.1	34.0	33.9	33.7	33.6	33.4	33.2	33.0	32.8	32.6
-40°	33.6	33.5	33.4	33.3	33.1	33.0	32.8	32.6	32.4	32.2	32.0
-41.25°	32.9	32.9	32.8	32.6	32.5	32.4	32.2	32.0	31.8	31.6	31.4
-42.5°	32.3	32.2	32.1	32.0	31.9	31.7	31.6	31.4	31.2	31.0	30.8
-43.75°	31.7	31.6	31.5	31.4	31.3	31.1	31.0	30.8	30.6	30.4	30.2
-45°	31.0	30.9	30.9	30.8	30.6	30.5	30.4	30.2	30.0	29.9	29.7
-46.25°	30.4	30.3	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.3
-47.5°	29.8	29.7	29.7	29.6	29.5	29.5	29.4	29.3	29.2	29.0	29.0
-48.75°	29.3	29.3	29.2	29.2	29.1	29.0	29.0	29.0	29.0	29.0	29.0
-50°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-51.25°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-52.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-53.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.9	28.8	28.7
-55°	28.9	28.9	28.8	28.8	28.7	28.7	28.6	28.5	28.4	28.3	28.2
-56.25°	28.5	28.4	28.4	28.3	28.3	28.2	28.2	28.1	27.8	27.6	27.3
-57.5°	27.9	27.8	27.7	27.5	27.4	27.2	27.0	26.8	26.6	26.4	26.1
-58.75°	26.6	26.5	26.4	26.3	26.1	25.9	25.8	25.6	25.4	25.2	25.0
-60°	25.3	25.3	25.2	25.1	25.0	24.8	24.7	24.6	24.4	24.2	24.0
-61.25°	24.3	24.2	24.1	24.0	23.9	23.8	23.7	23.6	23.4	23.1	22.8
-62.5°	23.2	23.0	22.9	22.8	22.6	22.4	22.2	22.0	21.7	21.5	21.2
-63.75°	21.4	21.3	21.2	21.1	20.9	20.7	20.5	20.3	20.1	19.8	19.6
-65°	19.7	19.6	19.5	19.3	19.2	19.0	18.8	18.6	18.4	18.2	17.9
-66.25°	17.9	17.8	17.7	17.6	17.5	17.3	17.1	17.0	16.7	16.5	16.3
-67.5°	16.2	16.2	16.1	16.0	15.9	15.7	15.6	15.4	15.3	15.1	14.9
-68.75°	14.7	14.7	14.6	14.5	14.4	14.3	14.1	14.0	13.8	13.7	13.5
-70°	13.3	13.2	13.1	13.1	13.0	12.9	12.8	12.7	12.5	12.4	12.3
-71.25°	12.0	11.9	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.0
-72.5°	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.4	10.3	10.2	10.1
-73.75°	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.4	9.3
-75°	9.1	9.1	9.0	9.0	9.0	9.0	8.9	8.9	8.9	8.8	8.8
-76.25°	8.6	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.4	8.4	8.4
-77.5°	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2
-80°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
-81.25°	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.7
-82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9
-83.75°	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1
-85°	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
-86.25°	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
85°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
83.75°	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
82.5°	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4
81.25°	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
80°	6.5	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
78.75°	7.2	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.5
77.5°	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2	7.2
76.25°	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7
75°	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2
73.75°	9.3	9.2	9.1	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6
72.5°	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3	9.2	9.1	9.0
71.25°	10.9	10.8	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.7	9.6
70°	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.5	10.3
68.75°	13.3	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.1
67.5°	14.7	14.5	14.2	14.0	13.8	13.5	13.2	13.0	12.7	12.5	12.2
66.25°	16.1	15.9	15.6	15.4	15.1	14.8	14.5	14.2	13.9	13.6	13.3
65°	17.7	17.4	17.1	16.8	16.4	16.1	15.8	15.5	15.2	14.8	14.5
63.75°	19.3	19.0	18.7	18.3	18.0	17.6	17.2	16.8	16.4	16.1	15.7
62.5°	20.9	20.6	20.3	19.9	19.5	19.2	18.7	18.3	17.9	17.5	17.0
61.25°	22.5	22.2	21.8	21.5	21.1	20.7	20.3	19.8	19.4	18.9	18.4
60°	23.8	23.6	23.4	23.0	22.6	22.2	21.8	21.3	20.8	20.3	19.8
58.75°	24.8	24.6	24.4	24.1	23.9	23.6	23.3	22.8	22.3	21.8	21.2
57.5°	25.8	25.6	25.3	25.0	24.8	24.5	24.2	23.9	23.6	23.2	22.6
56.25°	27.0	26.7	26.4	26.1	25.7	25.4	25.1	24.8	24.5	24.1	23.8
55°	28.1	27.9	27.6	27.2	26.9	26.5	26.1	25.7	25.3	25.0	24.6
53.75°	28.6	28.4	28.3	28.2	28.0	27.6	27.2	26.8	26.3	25.9	25.4
52.5°	29.0	28.8	28.7	28.6	28.5	28.3	28.2	27.8	27.4	26.9	26.4
51.25°	29.0	29.0	29.0	29.0	28.8	28.7	28.5	28.4	28.2	27.9	27.4
50°	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.7	28.6	28.4	28.2
48.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.8	28.6
47.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9
46.25°	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
45°	29.6	29.4	29.3	29.1	29.0	29.0	29.0	29.0	29.0	29.0	29.0
43.75°	30.0	29.8	29.7	29.5	29.3	29.1	29.0	29.0	29.0	29.0	29.0
42.5°	30.6	30.4	30.1	29.9	29.7	29.5	29.3	29.1	29.0	29.0	29.0
41.25°	31.2	30.9	30.7	30.4	30.1	29.9	29.7	29.4	29.2	29.0	29.0
40°	31.7	31.5	31.2	31.0	30.7	30.4	30.1	29.8	29.6	29.3	29.1
38.75°	32.3	32.0	31.8	31.5	31.2	30.9	30.6	30.2	29.9	29.7	29.4
37.5°	32.9	32.6	32.3	32.0	31.7	31.4	31.1	30.7	30.4	30.0	29.7
36.25°	33.4	33.1	32.8	32.5	32.2	31.9	31.5	31.2	30.8	30.5	30.1
35°	34.0	33.7	33.4	33.1	32.7	32.4	32.0	31.7	31.3	30.9	30.5



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	34.5	34.2	33.9	33.6	33.2	32.9	32.5	32.1	31.8	31.4	31.0
32.5°	35.1	34.7	34.4	34.1	33.7	33.4	33.0	32.6	32.2	31.8	31.4
31.25°	36.1	35.4	34.9	34.6	34.2	33.8	33.4	33.0	32.6	32.2	31.8
30°	37.1	36.5	35.8	35.1	34.7	34.3	33.9	33.5	33.1	32.6	32.2
28.75°	39.1	37.5	36.8	36.0	35.2	34.8	34.3	33.9	33.5	33.0	32.6
27.5°	42.0	39.9	37.8	37.0	36.1	35.3	34.8	34.3	33.9	33.4	33.0
26.25°	44.8	42.7	40.5	38.2	37.0	36.2	35.3	34.8	34.3	33.8	33.4
25°	48.1	45.5	43.1	40.8	38.4	37.0	36.1	35.2	34.7	34.2	33.7
23.75°	51.4	48.6	45.8	43.3	40.8	38.2	37.0	36.0	35.1	34.6	34.1
22.5°	55.1	51.7	48.8	45.8	43.1	40.5	37.8	36.8	35.8	34.9	34.4
21.25°	61.5	55.4	51.7	48.6	45.5	42.7	39.9	37.5	36.5	35.4	34.7
20°	75.6	61.5	55.1	51.4	48.1	44.8	42.0	39.1	37.1	36.1	35.1
18.75°	107.7	74.5	59.7	54.2	50.6	47.2	43.9	41.0	38.0	36.7	35.6
17.5°	148.7	103.2	71.7	58.2	53.0	49.5	46.0	42.8	39.7	37.3	36.2
16.25°	194.0	138.9	94.2	67.2	56.3	51.7	48.1	44.5	41.3	38.2	36.7
15°	240.9	178.4	122.8	80.8	60.8	53.9	50.1	46.3	42.9	39.6	37.2
13.75°	288.0	220.1	157.0	104.2	70.2	57.0	51.9	48.1	44.3	41.0	37.7
12.5°	332.2	261.5	192.6	131.0	84.1	61.2	53.7	49.7	45.8	42.3	38.9
11.25°	373.3	300.6	227.0	159.2	103.3	68.9	56.2	51.3	47.2	43.5	40.1
10°	405.0	336.4	260.8	187.9	123.7	76.7	58.6	52.7	48.6	44.5	41.1
8.75°	425.9	368.6	291.4	214.7	145.6	91.6	63.2	54.0	49.7	45.6	42.0
7.5°	444.4	396.5	318.4	239.2	164.9	104.7	68.5	55.8	50.8	46.6	42.8
6.25°	460.3	411.6	341.6	261.1	183.9	117.0	72.9	57.3	51.7	47.4	43.5
5°	473.6	424.0	360.8	279.2	199.8	130.0	78.5	58.5	52.4	48.1	44.0
3.75°	484.0	433.9	375.9	293.5	212.3	140.1	85.4	59.7	53.0	48.6	44.4
2.5°	491.6	440.9	386.8	303.8	221.3	147.4	90.4	61.7	53.4	49.0	44.8
1.25°	496.2	445.2	393.4	310.0	226.7	151.8	93.4	62.9	53.6	49.3	44.9
0°	497.7	446.7	395.6	312.1	228.5	153.3	94.4	63.3	53.7	49.4	45.0
-1.25°	496.2	445.2	393.4	310.0	226.7	151.8	93.4	62.9	53.6	49.3	44.9
-2.5°	491.6	440.9	386.8	303.8	221.3	147.4	90.4	61.7	53.4	49.0	44.8
-3.75°	484.0	433.9	375.9	293.5	212.3	140.1	85.4	59.7	53.0	48.6	44.4
-5°	473.6	424.0	360.8	279.2	199.8	130.0	78.5	58.5	52.4	48.1	44.0
-6.25°	460.3	411.6	341.6	261.1	183.9	117.0	72.9	57.3	51.7	47.4	43.5
-7.5°	444.4	396.5	318.4	239.2	164.9	104.7	68.5	55.8	50.8	46.6	42.8
-8.75°	425.9	368.6	291.4	214.7	145.6	91.6	63.2	54.0	49.7	45.6	42.0
-10°	405.0	336.4	260.8	187.9	123.7	76.7	58.6	52.7	48.6	44.5	41.1
-11.25°	373.3	300.6	227.0	159.2	103.3	68.9	56.2	51.3	47.2	43.5	40.1
-12.5°	332.2	261.5	192.6	131.0	84.1	61.2	53.7	49.7	45.8	42.3	38.9
-13.75°	288.0	220.1	157.0	104.2	70.2	57.0	51.9	48.1	44.3	41.0	37.7
-15°	240.9	178.4	122.8	80.8	60.8	53.9	50.1	46.3	42.9	39.6	37.2
-16.25°	194.0	138.9	94.2	67.2	56.3	51.7	48.1	44.5	41.3	38.2	36.7
-17.5°	148.7	103.2	71.7	58.2	53.0	49.5	46.0	42.8	39.7	37.3	36.2
-18.75°	107.7	74.5	59.7	54.2	50.6	47.2	43.9	41.0	38.0	36.7	35.6
-20°	75.6	61.5	55.1	51.4	48.1	44.8	42.0	39.1	37.1	36.1	35.1
-21.25°	61.5	55.4	51.7	48.6	45.5	42.7	39.9	37.5	36.5	35.4	34.7



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	55.1	51.7	48.8	45.8	43.1	40.5	37.8	36.8	35.8	34.9	34.4
-23.75°	51.4	48.6	45.8	43.3	40.8	38.2	37.0	36.0	35.1	34.6	34.1
-25°	48.1	45.5	43.1	40.8	38.4	37.0	36.1	35.2	34.7	34.2	33.7
-26.25°	44.8	42.7	40.5	38.2	37.0	36.2	35.3	34.8	34.3	33.8	33.4
-27.5°	42.0	39.9	37.8	37.0	36.1	35.3	34.8	34.3	33.9	33.4	33.0
-28.75°	39.1	37.5	36.8	36.0	35.2	34.8	34.3	33.9	33.5	33.0	32.6
-30°	37.1	36.5	35.8	35.1	34.7	34.3	33.9	33.5	33.1	32.6	32.2
-31.25°	36.1	35.4	34.9	34.6	34.2	33.8	33.4	33.0	32.6	32.2	31.8
-32.5°	35.1	34.7	34.4	34.1	33.7	33.4	33.0	32.6	32.2	31.8	31.4
-33.75°	34.5	34.2	33.9	33.6	33.2	32.9	32.5	32.1	31.8	31.4	31.0
-35°	34.0	33.7	33.4	33.1	32.7	32.4	32.0	31.7	31.3	30.9	30.5
-36.25°	33.4	33.1	32.8	32.5	32.2	31.9	31.5	31.2	30.8	30.5	30.1
-37.5°	32.9	32.6	32.3	32.0	31.7	31.4	31.1	30.7	30.4	30.0	29.7
-38.75°	32.3	32.0	31.8	31.5	31.2	30.9	30.6	30.2	29.9	29.7	29.4
-40°	31.7	31.5	31.2	31.0	30.7	30.4	30.1	29.8	29.6	29.3	29.1
-41.25°	31.2	30.9	30.7	30.4	30.1	29.9	29.7	29.4	29.2	29.0	29.0
-42.5°	30.6	30.4	30.1	29.9	29.7	29.5	29.3	29.1	29.0	29.0	29.0
-43.75°	30.0	29.8	29.7	29.5	29.3	29.1	29.0	29.0	29.0	29.0	29.0
-45°	29.6	29.4	29.3	29.1	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-46.25°	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
-47.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9
-48.75°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.8	28.6
-50°	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.7	28.6	28.4	28.2
-51.25°	29.0	29.0	29.0	29.0	28.8	28.7	28.5	28.4	28.2	27.9	27.4
-52.5°	29.0	28.8	28.7	28.6	28.5	28.3	28.2	27.8	27.4	26.9	26.4
-53.75°	28.6	28.4	28.3	28.2	28.0	27.6	27.2	26.8	26.3	25.9	25.4
-55°	28.1	27.9	27.6	27.2	26.9	26.5	26.1	25.7	25.3	25.0	24.6
-56.25°	27.0	26.7	26.4	26.1	25.7	25.4	25.1	24.8	24.5	24.1	23.8
-57.5°	25.8	25.6	25.3	25.0	24.8	24.5	24.2	23.9	23.6	23.2	22.6
-58.75°	24.8	24.6	24.4	24.1	23.9	23.6	23.3	22.8	22.3	21.8	21.2
-60°	23.8	23.6	23.4	23.0	22.6	22.2	21.8	21.3	20.8	20.3	19.8
-61.25°	22.5	22.2	21.8	21.5	21.1	20.7	20.3	19.8	19.4	18.9	18.4
-62.5°	20.9	20.6	20.3	19.9	19.5	19.2	18.7	18.3	17.9	17.5	17.0
-63.75°	19.3	19.0	18.7	18.3	18.0	17.6	17.2	16.8	16.4	16.1	15.7
-65°	17.7	17.4	17.1	16.8	16.4	16.1	15.8	15.5	15.2	14.8	14.5
-66.25°	16.1	15.9	15.6	15.4	15.1	14.8	14.5	14.2	13.9	13.6	13.3
-67.5°	14.7	14.5	14.2	14.0	13.8	13.5	13.2	13.0	12.7	12.5	12.2
-68.75°	13.3	13.1	12.9	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.1
-70°	12.1	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.5	10.3
-71.25°	10.9	10.8	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.7	9.6
-72.5°	10.1	10.0	9.9	9.8	9.7	9.5	9.4	9.3	9.2	9.1	9.0
-73.75°	9.3	9.2	9.1	9.0	9.0	8.9	8.9	8.8	8.7	8.7	8.6
-75°	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.2
-76.25°	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7
-77.5°	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2	7.2



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	7.2	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.5
-80°	6.5	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
-81.25°	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
-82.5°	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4
-83.75°	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
-85°	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
-86.25°	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
85°	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3.0	2.9
82.5°	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.6
81.25°	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2
80°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8
78.75°	6.4	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4
77.5°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0
76.25°	7.6	7.5	7.4	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5
75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.2	7.1
73.75°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5
72.5°	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9
71.25°	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
70°	10.1	10.0	9.8	9.6	9.4	9.2	9.1	9.0	8.8	8.7	8.6
68.75°	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.4	9.2	9.0	8.9
67.5°	11.9	11.6	11.3	11.0	10.7	10.5	10.3	10.0	9.8	9.6	9.3
66.25°	12.9	12.6	12.3	12.0	11.6	11.3	10.9	10.6	10.4	10.2	9.9
65°	14.1	13.7	13.3	13.0	12.6	12.2	11.9	11.5	11.1	10.7	10.5
63.75°	15.3	14.9	14.5	14.1	13.6	13.2	12.8	12.4	12.0	11.6	11.1
62.5°	16.5	16.1	15.6	15.2	14.7	14.3	13.8	13.3	12.9	12.4	12.0
61.25°	17.9	17.4	16.9	16.3	15.8	15.3	14.8	14.3	13.8	13.3	12.8
60°	19.3	18.7	18.2	17.6	17.0	16.4	15.9	15.4	14.8	14.2	13.7
58.75°	20.7	20.1	19.5	18.9	18.3	17.7	17.0	16.4	15.8	15.2	14.6
57.5°	22.0	21.5	20.8	20.2	19.6	18.9	18.3	17.6	16.9	16.2	15.6
56.25°	23.4	22.8	22.2	21.5	20.8	20.2	19.5	18.8	18.0	17.3	16.5
55°	24.2	23.8	23.4	22.8	22.1	21.4	20.7	19.9	19.2	18.4	17.6
53.75°	25.0	24.6	24.2	23.8	23.3	22.6	21.9	21.1	20.3	19.5	18.7
52.5°	25.9	25.4	25.0	24.6	24.1	23.6	23.0	22.2	21.4	20.6	19.8
51.25°	26.9	26.4	25.8	25.3	24.8	24.4	23.9	23.4	22.5	21.7	20.8
50°	27.9	27.3	26.8	26.2	25.6	25.1	24.6	24.1	23.5	22.7	21.8
48.75°	28.4	28.2	27.7	27.1	26.5	25.9	25.3	24.7	24.2	23.6	22.9
47.5°	28.7	28.5	28.3	28.0	27.4	26.7	26.0	25.4	24.8	24.3	23.7
46.25°	29.0	28.8	28.6	28.4	28.1	27.6	26.9	26.2	25.5	24.9	24.3
45°	29.0	29.0	28.9	28.7	28.4	28.2	27.7	27.0	26.2	25.5	24.9
43.75°	29.0	29.0	29.0	29.0	28.7	28.5	28.2	27.8	27.0	26.2	25.5
42.5°	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.3	27.8	27.0	26.2
41.25°	29.0	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.2	27.7	26.9
40°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.2	27.6
38.75°	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.7	28.4	28.1
37.5°	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.7	28.4
36.25°	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.6
35°	30.1	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	28.8



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	30.5	30.1	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0
32.5°	31.0	30.5	30.1	29.7	29.4	29.1	29.0	29.0	29.0	29.0	29.0
31.25°	31.4	30.9	30.5	30.0	29.7	29.3	29.0	29.0	29.0	29.0	29.0
30°	31.8	31.3	30.8	30.4	29.9	29.6	29.2	29.0	29.0	29.0	29.0
28.75°	32.1	31.7	31.2	30.7	30.2	29.8	29.4	29.1	29.0	29.0	29.0
27.5°	32.5	32.0	31.5	31.1	30.6	30.1	29.7	29.3	29.0	29.0	29.0
26.25°	32.9	32.4	31.9	31.4	30.9	30.4	29.9	29.5	29.1	29.0	29.0
25°	33.2	32.7	32.2	31.7	31.2	30.7	30.1	29.7	29.3	29.0	29.0
23.75°	33.6	33.1	32.5	32.0	31.5	31.0	30.4	29.9	29.5	29.1	29.0
22.5°	33.9	33.4	32.8	32.3	31.8	31.2	30.7	30.1	29.7	29.3	29.0
21.25°	34.2	33.7	33.1	32.6	32.0	31.5	30.9	30.4	29.8	29.4	29.0
20°	34.5	34.0	33.4	32.9	32.3	31.7	31.2	30.6	30.0	29.6	29.2
18.75°	34.8	34.3	33.7	33.1	32.6	32.0	31.4	30.8	30.2	29.7	29.3
17.5°	35.1	34.5	33.9	33.4	32.8	32.2	31.6	31.0	30.4	29.9	29.5
16.25°	35.6	34.8	34.2	33.6	33.0	32.4	31.8	31.2	30.6	30.0	29.6
15°	36.1	35.0	34.4	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.7
13.75°	36.5	35.3	34.6	34.0	33.4	32.8	32.2	31.6	31.0	30.4	29.8
12.5°	36.9	35.7	34.8	34.2	33.6	33.0	32.4	31.7	31.1	30.5	29.9
11.25°	37.3	36.1	35.0	34.4	33.7	33.1	32.5	31.9	31.3	30.6	30.0
10°	37.7	36.4	35.2	34.5	33.9	33.3	32.6	32.0	31.4	30.8	30.1
8.75°	38.5	36.7	35.5	34.7	34.0	33.4	32.8	32.1	31.5	30.9	30.2
7.5°	39.2	37.0	35.7	34.8	34.1	33.5	32.9	32.2	31.6	30.9	30.3
6.25°	39.9	37.2	35.9	34.9	34.2	33.6	32.9	32.3	31.7	31.0	30.4
5°	40.4	37.4	36.1	35.0	34.3	33.7	33.0	32.4	31.7	31.1	30.4
3.75°	40.8	37.5	36.2	35.0	34.4	33.7	33.1	32.4	31.8	31.1	30.5
2.5°	41.1	37.6	36.3	35.1	34.4	33.8	33.1	32.5	31.8	31.2	30.5
1.25°	41.3	37.7	36.4	35.1	34.4	33.8	33.1	32.5	31.8	31.2	30.5
0°	41.4	37.7	36.4	35.1	34.5	33.8	33.2	32.5	31.9	31.2	30.6
-1.25°	41.3	37.7	36.4	35.1	34.4	33.8	33.1	32.5	31.8	31.2	30.5
-2.5°	41.1	37.6	36.3	35.1	34.4	33.8	33.1	32.5	31.8	31.2	30.5
-3.75°	40.8	37.5	36.2	35.0	34.4	33.7	33.1	32.4	31.8	31.1	30.5
-5°	40.4	37.4	36.1	35.0	34.3	33.7	33.0	32.4	31.7	31.1	30.4
-6.25°	39.9	37.2	35.9	34.9	34.2	33.6	32.9	32.3	31.7	31.0	30.4
-7.5°	39.2	37.0	35.7	34.8	34.1	33.5	32.9	32.2	31.6	30.9	30.3
-8.75°	38.5	36.7	35.5	34.7	34.0	33.4	32.8	32.1	31.5	30.9	30.2
-10°	37.7	36.4	35.2	34.5	33.9	33.3	32.6	32.0	31.4	30.8	30.1
-11.25°	37.3	36.1	35.0	34.4	33.7	33.1	32.5	31.9	31.3	30.6	30.0
-12.5°	36.9	35.7	34.8	34.2	33.6	33.0	32.4	31.7	31.1	30.5	29.9
-13.75°	36.5	35.3	34.6	34.0	33.4	32.8	32.2	31.6	31.0	30.4	29.8
-15°	36.1	35.0	34.4	33.8	33.2	32.6	32.0	31.4	30.8	30.2	29.7
-16.25°	35.6	34.8	34.2	33.6	33.0	32.4	31.8	31.2	30.6	30.0	29.6
-17.5°	35.1	34.5	33.9	33.4	32.8	32.2	31.6	31.0	30.4	29.9	29.5
-18.75°	34.8	34.3	33.7	33.1	32.6	32.0	31.4	30.8	30.2	29.7	29.3
-20°	34.5	34.0	33.4	32.9	32.3	31.7	31.2	30.6	30.0	29.6	29.2
-21.25°	34.2	33.7	33.1	32.6	32.0	31.5	30.9	30.4	29.8	29.4	29.0



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	33.9	33.4	32.8	32.3	31.8	31.2	30.7	30.1	29.7	29.3	29.0
-23.75°	33.6	33.1	32.5	32.0	31.5	31.0	30.4	29.9	29.5	29.1	29.0
-25°	33.2	32.7	32.2	31.7	31.2	30.7	30.1	29.7	29.3	29.0	29.0
-26.25°	32.9	32.4	31.9	31.4	30.9	30.4	29.9	29.5	29.1	29.0	29.0
-27.5°	32.5	32.0	31.5	31.1	30.6	30.1	29.7	29.3	29.0	29.0	29.0
-28.75°	32.1	31.7	31.2	30.7	30.2	29.8	29.4	29.1	29.0	29.0	29.0
-30°	31.8	31.3	30.8	30.4	29.9	29.6	29.2	29.0	29.0	29.0	29.0
-31.25°	31.4	30.9	30.5	30.0	29.7	29.3	29.0	29.0	29.0	29.0	29.0
-32.5°	31.0	30.5	30.1	29.7	29.4	29.1	29.0	29.0	29.0	29.0	29.0
-33.75°	30.5	30.1	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0
-35°	30.1	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	28.8
-36.25°	29.8	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	28.9	28.6
-37.5°	29.5	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.7	28.4
-38.75°	29.2	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.7	28.4	28.1
-40°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.2	27.6
-41.25°	29.0	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.2	27.7	26.9
-42.5°	29.0	29.0	29.0	29.0	29.0	28.8	28.5	28.3	27.8	27.0	26.2
-43.75°	29.0	29.0	29.0	29.0	28.7	28.5	28.2	27.8	27.0	26.2	25.5
-45°	29.0	29.0	28.9	28.7	28.4	28.2	27.7	27.0	26.2	25.5	24.9
-46.25°	29.0	28.8	28.6	28.4	28.1	27.6	26.9	26.2	25.5	24.9	24.3
-47.5°	28.7	28.5	28.3	28.0	27.4	26.7	26.0	25.4	24.8	24.3	23.7
-48.75°	28.4	28.2	27.7	27.1	26.5	25.9	25.3	24.7	24.2	23.6	22.9
-50°	27.9	27.3	26.8	26.2	25.6	25.1	24.6	24.1	23.5	22.7	21.8
-51.25°	26.9	26.4	25.8	25.3	24.8	24.4	23.9	23.4	22.5	21.7	20.8
-52.5°	25.9	25.4	25.0	24.6	24.1	23.6	23.0	22.2	21.4	20.6	19.8
-53.75°	25.0	24.6	24.2	23.8	23.3	22.6	21.9	21.1	20.3	19.5	18.7
-55°	24.2	23.8	23.4	22.8	22.1	21.4	20.7	19.9	19.2	18.4	17.6
-56.25°	23.4	22.8	22.2	21.5	20.8	20.2	19.5	18.8	18.0	17.3	16.5
-57.5°	22.0	21.5	20.8	20.2	19.6	18.9	18.3	17.6	16.9	16.2	15.6
-58.75°	20.7	20.1	19.5	18.9	18.3	17.7	17.0	16.4	15.8	15.2	14.6
-60°	19.3	18.7	18.2	17.6	17.0	16.4	15.9	15.4	14.8	14.2	13.7
-61.25°	17.9	17.4	16.9	16.3	15.8	15.3	14.8	14.3	13.8	13.3	12.8
-62.5°	16.5	16.1	15.6	15.2	14.7	14.3	13.8	13.3	12.9	12.4	12.0
-63.75°	15.3	14.9	14.5	14.1	13.6	13.2	12.8	12.4	12.0	11.6	11.1
-65°	14.1	13.7	13.3	13.0	12.6	12.2	11.9	11.5	11.1	10.7	10.5
-66.25°	12.9	12.6	12.3	12.0	11.6	11.3	10.9	10.6	10.4	10.2	9.9
-67.5°	11.9	11.6	11.3	11.0	10.7	10.5	10.3	10.0	9.8	9.6	9.3
-68.75°	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.4	9.2	9.0	8.9
-70°	10.1	10.0	9.8	9.6	9.4	9.2	9.1	9.0	8.8	8.7	8.6
-71.25°	9.4	9.3	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
-72.5°	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	7.9
-73.75°	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5
-75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.2	7.1
-76.25°	7.6	7.5	7.4	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5
-77.5°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	6.4	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4
-80°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8
-81.25°	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.4	4.3	4.2
-82.5°	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.6
-83.75°	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.2	3.1	3.0	2.9
-85°	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1
-86.25°	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.5	1.4	1.3
83.75°	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.1	1.9	1.8
82.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9
80°	4.7	4.6	4.5	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5
78.75°	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
77.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.5	4.3
76.25°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
75°	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.2
73.75°	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6
72.5°	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.6	6.4	6.2	6.0
71.25°	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.0	6.9	6.6	6.4
70°	8.5	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8
68.75°	8.8	8.7	8.5	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1
67.5°	9.1	9.0	8.8	8.7	8.5	8.4	8.3	8.1	7.9	7.7	7.4
66.25°	9.6	9.4	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.7
65°	10.2	9.9	9.6	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.0
63.75°	10.7	10.4	10.1	9.8	9.5	9.2	9.0	8.8	8.6	8.5	8.3
62.5°	11.5	11.0	10.6	10.3	10.0	9.7	9.3	9.1	8.9	8.7	8.5
61.25°	12.3	11.8	11.3	10.8	10.5	10.1	9.8	9.4	9.1	8.9	8.7
60°	13.1	12.6	12.1	11.6	11.0	10.6	10.2	9.9	9.5	9.1	8.9
58.75°	14.0	13.4	12.9	12.3	11.7	11.2	10.7	10.3	9.9	9.5	9.1
57.5°	14.9	14.3	13.6	13.0	12.5	11.9	11.3	10.7	10.3	9.9	9.5
56.25°	15.9	15.2	14.5	13.8	13.2	12.5	11.9	11.3	10.7	10.3	9.9
55°	16.8	16.1	15.4	14.6	13.9	13.2	12.6	11.9	11.3	10.7	10.2
53.75°	17.9	17.0	16.2	15.5	14.7	14.0	13.2	12.5	11.9	11.2	10.6
52.5°	18.9	18.0	17.1	16.3	15.5	14.7	13.9	13.2	12.5	11.7	11.0
51.25°	19.9	19.0	18.1	17.2	16.3	15.5	14.6	13.8	13.0	12.3	11.6
50°	20.9	20.0	19.1	18.1	17.1	16.2	15.4	14.5	13.6	12.9	12.1
48.75°	21.9	21.0	20.0	19.0	18.0	17.0	16.1	15.2	14.3	13.4	12.6
47.5°	22.9	21.9	20.9	19.9	18.9	17.9	16.8	15.9	14.9	14.0	13.1
46.25°	23.7	22.9	21.8	20.8	19.8	18.7	17.6	16.5	15.6	14.6	13.7
45°	24.3	23.6	22.7	21.7	20.6	19.5	18.4	17.3	16.2	15.2	14.2
43.75°	24.8	24.2	23.5	22.5	21.4	20.3	19.2	18.0	16.9	15.8	14.8
42.5°	25.4	24.7	24.1	23.4	22.2	21.1	19.9	18.8	17.6	16.4	15.4
41.25°	26.0	25.3	24.6	23.9	23.0	21.9	20.7	19.5	18.3	17.0	15.9
40°	26.7	25.9	25.1	24.4	23.6	22.6	21.4	20.2	18.9	17.7	16.4
38.75°	27.4	26.5	25.6	24.8	24.1	23.3	22.1	20.8	19.6	18.3	17.0
37.5°	28.0	27.1	26.2	25.3	24.6	23.8	22.8	21.5	20.2	18.9	17.6
36.25°	28.3	27.7	26.8	25.8	25.0	24.2	23.4	22.2	20.8	19.5	18.2
35°	28.5	28.2	27.3	26.4	25.4	24.6	23.8	22.8	21.5	20.1	18.7



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	28.7	28.4	27.9	26.9	25.9	25.0	24.2	23.4	22.0	20.7	19.3
32.5°	28.9	28.6	28.2	27.4	26.4	25.4	24.6	23.8	22.6	21.2	19.8
31.25°	29.0	28.8	28.4	27.9	26.9	25.9	25.0	24.1	23.2	21.8	20.3
30°	29.0	28.9	28.6	28.2	27.4	26.3	25.3	24.5	23.6	22.3	20.8
28.75°	29.0	29.0	28.7	28.4	27.8	26.8	25.7	24.8	23.9	22.8	21.3
27.5°	29.0	29.0	28.9	28.5	28.2	27.2	26.1	25.1	24.2	23.3	21.8
26.25°	29.0	29.0	29.0	28.7	28.3	27.6	26.5	25.4	24.5	23.6	22.2
25°	29.0	29.0	29.0	28.8	28.5	28.0	26.9	25.7	24.8	23.9	22.6
23.75°	29.0	29.0	29.0	29.0	28.6	28.2	27.2	26.1	25.0	24.1	23.0
22.5°	29.0	29.0	29.0	29.0	28.7	28.3	27.6	26.4	25.3	24.4	23.4
21.25°	29.0	29.0	29.0	29.0	28.8	28.4	27.9	26.7	25.6	24.6	23.6
20°	29.0	29.0	29.0	29.0	29.0	28.6	28.1	27.0	25.8	24.8	23.8
18.75°	29.0	29.0	29.0	29.0	29.0	28.7	28.2	27.3	26.1	25.0	24.0
17.5°	29.0	29.0	29.0	29.0	29.0	28.8	28.3	27.6	26.4	25.2	24.2
16.25°	29.2	29.0	29.0	29.0	29.0	28.9	28.4	27.8	26.6	25.4	24.4
15°	29.3	29.0	29.0	29.0	29.0	28.9	28.5	28.1	26.8	25.6	24.6
13.75°	29.4	29.0	29.0	29.0	29.0	29.0	28.6	28.2	27.0	25.8	24.7
12.5°	29.5	29.0	29.0	29.0	29.0	29.0	28.7	28.2	27.2	25.9	24.8
11.25°	29.5	29.1	29.0	29.0	29.0	29.0	28.7	28.3	27.4	26.1	25.0
10°	29.6	29.2	29.0	29.0	29.0	29.0	28.8	28.3	27.5	26.3	25.1
8.75°	29.7	29.2	29.0	29.0	29.0	29.0	28.8	28.4	27.7	26.4	25.2
7.5°	29.7	29.3	29.0	29.0	29.0	29.0	28.9	28.4	27.8	26.5	25.3
6.25°	29.8	29.3	29.0	29.0	29.0	29.0	28.9	28.5	27.9	26.6	25.3
5°	29.8	29.4	29.0	29.0	29.0	29.0	28.9	28.5	28.0	26.7	25.4
3.75°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.0	26.7	25.4
2.5°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.1	26.8	25.5
1.25°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.1	26.8	25.5
0°	29.9	29.5	29.0	29.0	29.0	29.0	29.0	28.6	28.1	26.8	25.5
-1.25°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.1	26.8	25.5
-2.5°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.1	26.8	25.5
-3.75°	29.9	29.4	29.0	29.0	29.0	29.0	29.0	28.5	28.0	26.7	25.4
-5°	29.8	29.4	29.0	29.0	29.0	29.0	28.9	28.5	28.0	26.7	25.4
-6.25°	29.8	29.3	29.0	29.0	29.0	29.0	28.9	28.5	27.9	26.6	25.3
-7.5°	29.7	29.3	29.0	29.0	29.0	29.0	28.9	28.4	27.8	26.5	25.3
-8.75°	29.7	29.2	29.0	29.0	29.0	29.0	28.8	28.4	27.7	26.4	25.2
-10°	29.6	29.2	29.0	29.0	29.0	29.0	28.8	28.3	27.5	26.3	25.1
-11.25°	29.5	29.1	29.0	29.0	29.0	29.0	28.7	28.3	27.4	26.1	25.0
-12.5°	29.5	29.0	29.0	29.0	29.0	29.0	28.7	28.2	27.2	25.9	24.8
-13.75°	29.4	29.0	29.0	29.0	29.0	29.0	28.6	28.2	27.0	25.8	24.7
-15°	29.3	29.0	29.0	29.0	29.0	28.9	28.5	28.1	26.8	25.6	24.6
-16.25°	29.2	29.0	29.0	29.0	29.0	28.9	28.4	27.8	26.6	25.4	24.4
-17.5°	29.0	29.0	29.0	29.0	29.0	28.8	28.3	27.6	26.4	25.2	24.2
-18.75°	29.0	29.0	29.0	29.0	29.0	28.7	28.2	27.3	26.1	25.0	24.0
-20°	29.0	29.0	29.0	29.0	29.0	28.6	28.1	27.0	25.8	24.8	23.8
-21.25°	29.0	29.0	29.0	29.0	28.8	28.4	27.9	26.7	25.6	24.6	23.6



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	29.0	29.0	29.0	29.0	28.7	28.3	27.6	26.4	25.3	24.4	23.4
-23.75°	29.0	29.0	29.0	29.0	28.6	28.2	27.2	26.1	25.0	24.1	23.0
-25°	29.0	29.0	29.0	28.8	28.5	28.0	26.9	25.7	24.8	23.9	22.6
-26.25°	29.0	29.0	29.0	28.7	28.3	27.6	26.5	25.4	24.5	23.6	22.2
-27.5°	29.0	29.0	28.9	28.5	28.2	27.2	26.1	25.1	24.2	23.3	21.8
-28.75°	29.0	29.0	28.7	28.4	27.8	26.8	25.7	24.8	23.9	22.8	21.3
-30°	29.0	28.9	28.6	28.2	27.4	26.3	25.3	24.5	23.6	22.3	20.8
-31.25°	29.0	28.8	28.4	27.9	26.9	25.9	25.0	24.1	23.2	21.8	20.3
-32.5°	28.9	28.6	28.2	27.4	26.4	25.4	24.6	23.8	22.6	21.2	19.8
-33.75°	28.7	28.4	27.9	26.9	25.9	25.0	24.2	23.4	22.0	20.7	19.3
-35°	28.5	28.2	27.3	26.4	25.4	24.6	23.8	22.8	21.5	20.1	18.7
-36.25°	28.3	27.7	26.8	25.8	25.0	24.2	23.4	22.2	20.8	19.5	18.2
-37.5°	28.0	27.1	26.2	25.3	24.6	23.8	22.8	21.5	20.2	18.9	17.6
-38.75°	27.4	26.5	25.6	24.8	24.1	23.3	22.1	20.8	19.6	18.3	17.0
-40°	26.7	25.9	25.1	24.4	23.6	22.6	21.4	20.2	18.9	17.7	16.4
-41.25°	26.0	25.3	24.6	23.9	23.0	21.9	20.7	19.5	18.3	17.0	15.9
-42.5°	25.4	24.7	24.1	23.4	22.2	21.1	19.9	18.8	17.6	16.4	15.4
-43.75°	24.8	24.2	23.5	22.5	21.4	20.3	19.2	18.0	16.9	15.8	14.8
-45°	24.3	23.6	22.7	21.7	20.6	19.5	18.4	17.3	16.2	15.2	14.2
-46.25°	23.7	22.9	21.8	20.8	19.8	18.7	17.6	16.5	15.6	14.6	13.7
-47.5°	22.9	21.9	20.9	19.9	18.9	17.9	16.8	15.9	14.9	14.0	13.1
-48.75°	21.9	21.0	20.0	19.0	18.0	17.0	16.1	15.2	14.3	13.4	12.6
-50°	20.9	20.0	19.1	18.1	17.1	16.2	15.4	14.5	13.6	12.9	12.1
-51.25°	19.9	19.0	18.1	17.2	16.3	15.5	14.6	13.8	13.0	12.3	11.6
-52.5°	18.9	18.0	17.1	16.3	15.5	14.7	13.9	13.2	12.5	11.7	11.0
-53.75°	17.9	17.0	16.2	15.5	14.7	14.0	13.2	12.5	11.9	11.2	10.6
-55°	16.8	16.1	15.4	14.6	13.9	13.2	12.6	11.9	11.3	10.7	10.2
-56.25°	15.9	15.2	14.5	13.8	13.2	12.5	11.9	11.3	10.7	10.3	9.9
-57.5°	14.9	14.3	13.6	13.0	12.5	11.9	11.3	10.7	10.3	9.9	9.5
-58.75°	14.0	13.4	12.9	12.3	11.7	11.2	10.7	10.3	9.9	9.5	9.1
-60°	13.1	12.6	12.1	11.6	11.0	10.6	10.2	9.9	9.5	9.1	8.9
-61.25°	12.3	11.8	11.3	10.8	10.5	10.1	9.8	9.4	9.1	8.9	8.7
-62.5°	11.5	11.0	10.6	10.3	10.0	9.7	9.3	9.1	8.9	8.7	8.5
-63.75°	10.7	10.4	10.1	9.8	9.5	9.2	9.0	8.8	8.6	8.5	8.3
-65°	10.2	9.9	9.6	9.3	9.1	8.9	8.8	8.6	8.4	8.3	8.0
-66.25°	9.6	9.4	9.1	9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.7
-67.5°	9.1	9.0	8.8	8.7	8.5	8.4	8.3	8.1	7.9	7.7	7.4
-68.75°	8.8	8.7	8.5	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1
-70°	8.5	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8
-71.25°	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.0	6.9	6.6	6.4
-72.5°	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.6	6.4	6.2	6.0
-73.75°	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6
-75°	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.2
-76.25°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
-77.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.5	4.3



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	5.3	5.1	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
-80°	4.7	4.6	4.5	4.3	4.2	4.1	4.0	3.9	3.7	3.6	3.5
-81.25°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.2	3.1	2.9
-82.5°	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.6	2.5	2.4
-83.75°	2.8	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.1	1.9	1.8
-85°	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.5	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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
82.5°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1
81.25°	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
80°	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.6
78.75°	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9
77.5°	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2
76.25°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.7	2.5
75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8
73.75°	5.4	5.1	4.9	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1
72.5°	5.8	5.5	5.3	5.1	4.8	4.6	4.4	4.1	3.9	3.6	3.3
71.25°	6.1	5.9	5.7	5.4	5.2	4.9	4.6	4.4	4.1	3.9	3.6
70°	6.5	6.3	6.0	5.8	5.5	5.2	4.9	4.7	4.4	4.1	3.8
68.75°	6.9	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1
67.5°	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
66.25°	7.5	7.3	7.0	6.8	6.4	6.1	5.8	5.5	5.2	4.8	4.5
65°	7.8	7.6	7.3	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7
63.75°	8.1	7.8	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
62.5°	8.3	8.1	7.8	7.6	7.3	7.0	6.7	6.3	5.9	5.5	5.1
61.25°	8.5	8.3	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.8	5.4
60°	8.7	8.5	8.3	8.0	7.7	7.4	7.1	6.8	6.4	6.0	5.6
58.75°	8.9	8.7	8.5	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8
57.5°	9.1	8.9	8.6	8.4	8.2	7.9	7.5	7.2	6.9	6.4	6.0
56.25°	9.4	9.1	8.8	8.6	8.4	8.1	7.7	7.4	7.0	6.6	6.2
55°	9.8	9.3	9.0	8.8	8.5	8.3	7.9	7.6	7.2	6.9	6.4
53.75°	10.1	9.7	9.2	8.9	8.7	8.4	8.1	7.8	7.4	7.0	6.6
52.5°	10.5	10.0	9.5	9.1	8.8	8.5	8.3	7.9	7.6	7.2	6.8
51.25°	10.8	10.3	9.8	9.3	9.0	8.7	8.4	8.1	7.7	7.3	6.9
50°	11.3	10.6	10.1	9.6	9.1	8.8	8.5	8.3	7.9	7.5	7.1
48.75°	11.8	11.0	10.4	9.9	9.4	9.0	8.7	8.4	8.1	7.6	7.2
47.5°	12.3	11.5	10.7	10.2	9.6	9.1	8.8	8.5	8.2	7.8	7.4
46.25°	12.8	12.0	11.1	10.5	9.9	9.3	8.9	8.6	8.3	7.9	7.5
45°	13.3	12.4	11.6	10.7	10.2	9.6	9.0	8.7	8.4	8.1	7.6
43.75°	13.8	12.9	12.0	11.1	10.4	9.8	9.2	8.8	8.5	8.2	7.8
42.5°	14.3	13.3	12.4	11.5	10.6	10.0	9.4	9.0	8.6	8.3	7.9
41.25°	14.8	13.8	12.8	11.9	10.9	10.3	9.7	9.1	8.7	8.4	8.0
40°	15.3	14.3	13.2	12.2	11.3	10.5	9.9	9.2	8.8	8.5	8.1
38.75°	15.8	14.7	13.6	12.6	11.6	10.7	10.1	9.4	8.9	8.6	8.2
37.5°	16.3	15.2	14.1	13.0	12.0	11.0	10.3	9.6	9.0	8.7	8.3
36.25°	16.9	15.6	14.5	13.3	12.3	11.3	10.5	9.8	9.1	8.8	8.4
35°	17.4	16.1	14.9	13.7	12.6	11.6	10.6	10.0	9.3	8.8	8.5



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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°	17.9	16.5	15.3	14.1	12.9	11.9	10.8	10.1	9.4	8.9	8.5
32.5°	18.4	17.0	15.7	14.5	13.3	12.2	11.1	10.3	9.6	9.0	8.6
31.25°	18.9	17.5	16.1	14.8	13.6	12.5	11.4	10.5	9.7	9.1	8.7
30°	19.4	17.9	16.4	15.2	13.9	12.7	11.6	10.6	9.9	9.2	8.7
28.75°	19.8	18.3	16.8	15.5	14.2	13.0	11.9	10.8	10.0	9.3	8.8
27.5°	20.3	18.7	17.2	15.8	14.5	13.2	12.1	11.0	10.2	9.4	8.9
26.25°	20.7	19.2	17.6	16.1	14.8	13.5	12.3	11.2	10.3	9.5	8.9
25°	21.1	19.5	18.0	16.4	15.1	13.8	12.5	11.4	10.4	9.7	9.0
23.75°	21.5	19.9	18.3	16.8	15.4	14.0	12.7	11.6	10.5	9.8	9.0
22.5°	21.8	20.3	18.7	17.1	15.6	14.2	12.9	11.8	10.6	9.9	9.1
21.25°	22.2	20.6	19.0	17.4	15.9	14.5	13.1	11.9	10.8	10.0	9.2
20°	22.5	20.9	19.3	17.7	16.1	14.7	13.3	12.1	10.9	10.1	9.3
18.75°	22.8	21.2	19.6	17.9	16.3	14.9	13.5	12.3	11.0	10.1	9.3
17.5°	23.1	21.5	19.8	18.2	16.5	15.1	13.7	12.4	11.2	10.2	9.4
16.25°	23.4	21.7	20.1	18.4	16.7	15.3	13.8	12.5	11.3	10.3	9.5
15°	23.6	22.0	20.3	18.6	17.0	15.4	14.0	12.7	11.4	10.4	9.6
13.75°	23.7	22.2	20.5	18.8	17.1	15.6	14.1	12.8	11.5	10.4	9.6
12.5°	23.8	22.4	20.7	19.0	17.3	15.7	14.3	12.9	11.6	10.5	9.7
11.25°	23.9	22.6	20.9	19.2	17.5	15.9	14.4	13.0	11.7	10.6	9.7
10°	24.0	22.8	21.1	19.3	17.6	16.0	14.5	13.1	11.8	10.6	9.8
8.75°	24.1	22.9	21.2	19.5	17.7	16.1	14.6	13.1	11.9	10.7	9.8
7.5°	24.2	23.0	21.3	19.6	17.8	16.2	14.7	13.2	11.9	10.7	9.9
6.25°	24.3	23.2	21.4	19.7	17.9	16.2	14.7	13.3	12.0	10.7	9.9
5°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.8	9.9
3.75°	24.4	23.3	21.6	19.8	18.1	16.3	14.8	13.4	12.1	10.8	9.9
2.5°	24.4	23.4	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.8	9.9
1.25°	24.4	23.4	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.8	9.9
0°	24.5	23.4	21.7	19.9	18.2	16.4	14.9	13.4	12.1	10.8	10.0
-1.25°	24.4	23.4	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.8	9.9
-2.5°	24.4	23.4	21.6	19.9	18.1	16.4	14.9	13.4	12.1	10.8	9.9
-3.75°	24.4	23.3	21.6	19.8	18.1	16.3	14.8	13.4	12.1	10.8	9.9
-5°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.8	9.9
-6.25°	24.3	23.2	21.4	19.7	17.9	16.2	14.7	13.3	12.0	10.7	9.9
-7.5°	24.2	23.0	21.3	19.6	17.8	16.2	14.7	13.2	11.9	10.7	9.9
-8.75°	24.1	22.9	21.2	19.5	17.7	16.1	14.6	13.1	11.9	10.7	9.8
-10°	24.0	22.8	21.1	19.3	17.6	16.0	14.5	13.1	11.8	10.6	9.8
-11.25°	23.9	22.6	20.9	19.2	17.5	15.9	14.4	13.0	11.7	10.6	9.7
-12.5°	23.8	22.4	20.7	19.0	17.3	15.7	14.3	12.9	11.6	10.5	9.7
-13.75°	23.7	22.2	20.5	18.8	17.1	15.6	14.1	12.8	11.5	10.4	9.6
-15°	23.6	22.0	20.3	18.6	17.0	15.4	14.0	12.7	11.4	10.4	9.6
-16.25°	23.4	21.7	20.1	18.4	16.7	15.3	13.8	12.5	11.3	10.3	9.5
-17.5°	23.1	21.5	19.8	18.2	16.5	15.1	13.7	12.4	11.2	10.2	9.4
-18.75°	22.8	21.2	19.6	17.9	16.3	14.9	13.5	12.3	11.0	10.1	9.3
-20°	22.5	20.9	19.3	17.7	16.1	14.7	13.3	12.1	10.9	10.1	9.3
-21.25°	22.2	20.6	19.0	17.4	15.9	14.5	13.1	11.9	10.8	10.0	9.2



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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°	21.8	20.3	18.7	17.1	15.6	14.2	12.9	11.8	10.6	9.9	9.1
-23.75°	21.5	19.9	18.3	16.8	15.4	14.0	12.7	11.6	10.5	9.8	9.0
-25°	21.1	19.5	18.0	16.4	15.1	13.8	12.5	11.4	10.4	9.7	9.0
-26.25°	20.7	19.2	17.6	16.1	14.8	13.5	12.3	11.2	10.3	9.5	8.9
-27.5°	20.3	18.7	17.2	15.8	14.5	13.2	12.1	11.0	10.2	9.4	8.9
-28.75°	19.8	18.3	16.8	15.5	14.2	13.0	11.9	10.8	10.0	9.3	8.8
-30°	19.4	17.9	16.4	15.2	13.9	12.7	11.6	10.6	9.9	9.2	8.7
-31.25°	18.9	17.5	16.1	14.8	13.6	12.5	11.4	10.5	9.7	9.1	8.7
-32.5°	18.4	17.0	15.7	14.5	13.3	12.2	11.1	10.3	9.6	9.0	8.6
-33.75°	17.9	16.5	15.3	14.1	12.9	11.9	10.8	10.1	9.4	8.9	8.5
-35°	17.4	16.1	14.9	13.7	12.6	11.6	10.6	10.0	9.3	8.8	8.5
-36.25°	16.9	15.6	14.5	13.3	12.3	11.3	10.5	9.8	9.1	8.8	8.4
-37.5°	16.3	15.2	14.1	13.0	12.0	11.0	10.3	9.6	9.0	8.7	8.3
-38.75°	15.8	14.7	13.6	12.6	11.6	10.7	10.1	9.4	8.9	8.6	8.2
-40°	15.3	14.3	13.2	12.2	11.3	10.5	9.9	9.2	8.8	8.5	8.1
-41.25°	14.8	13.8	12.8	11.9	10.9	10.3	9.7	9.1	8.7	8.4	8.0
-42.5°	14.3	13.3	12.4	11.5	10.6	10.0	9.4	9.0	8.6	8.3	7.9
-43.75°	13.8	12.9	12.0	11.1	10.4	9.8	9.2	8.8	8.5	8.2	7.8
-45°	13.3	12.4	11.6	10.7	10.2	9.6	9.0	8.7	8.4	8.1	7.6
-46.25°	12.8	12.0	11.1	10.5	9.9	9.3	8.9	8.6	8.3	7.9	7.5
-47.5°	12.3	11.5	10.7	10.2	9.6	9.1	8.8	8.5	8.2	7.8	7.4
-48.75°	11.8	11.0	10.4	9.9	9.4	9.0	8.7	8.4	8.1	7.6	7.2
-50°	11.3	10.6	10.1	9.6	9.1	8.8	8.5	8.3	7.9	7.5	7.1
-51.25°	10.8	10.3	9.8	9.3	9.0	8.7	8.4	8.1	7.7	7.3	6.9
-52.5°	10.5	10.0	9.5	9.1	8.8	8.5	8.3	7.9	7.6	7.2	6.8
-53.75°	10.1	9.7	9.2	8.9	8.7	8.4	8.1	7.8	7.4	7.0	6.6
-55°	9.8	9.3	9.0	8.8	8.5	8.3	7.9	7.6	7.2	6.9	6.4
-56.25°	9.4	9.1	8.8	8.6	8.4	8.1	7.7	7.4	7.0	6.6	6.2
-57.5°	9.1	8.9	8.6	8.4	8.2	7.9	7.5	7.2	6.9	6.4	6.0
-58.75°	8.9	8.7	8.5	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8
-60°	8.7	8.5	8.3	8.0	7.7	7.4	7.1	6.8	6.4	6.0	5.6
-61.25°	8.5	8.3	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.8	5.4
-62.5°	8.3	8.1	7.8	7.6	7.3	7.0	6.7	6.3	5.9	5.5	5.1
-63.75°	8.1	7.8	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
-65°	7.8	7.6	7.3	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7
-66.25°	7.5	7.3	7.0	6.8	6.4	6.1	5.8	5.5	5.2	4.8	4.5
-67.5°	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3
-68.75°	6.9	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1
-70°	6.5	6.3	6.0	5.8	5.5	5.2	4.9	4.7	4.4	4.1	3.8
-71.25°	6.1	5.9	5.7	5.4	5.2	4.9	4.6	4.4	4.1	3.9	3.6
-72.5°	5.8	5.5	5.3	5.1	4.8	4.6	4.4	4.1	3.9	3.6	3.3
-73.75°	5.4	5.1	4.9	4.7	4.5	4.3	4.1	3.8	3.6	3.3	3.1
-75°	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.3	3.0	2.8
-76.25°	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.7	2.5
-77.5°	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2



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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°	3.8	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9
-80°	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.6
-81.25°	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
-82.5°	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.2	1.1
-83.75°	1.7	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



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



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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°	8.2	7.6	7.1	6.4	5.7	5.0	4.3	3.6	2.8	1.8	1.1
32.5°	8.2	7.7	7.2	6.5	5.8	5.1	4.4	3.7	2.8	1.9	1.1
31.25°	8.3	7.8	7.2	6.6	5.9	5.2	4.5	3.7	2.9	1.9	1.1
30°	8.4	7.9	7.3	6.7	6.0	5.2	4.5	3.8	2.9	2.0	1.1
28.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.6	3.8	3.0	2.0	1.1
27.5°	8.5	8.0	7.5	6.9	6.1	5.4	4.6	3.9	3.0	2.0	1.2
26.25°	8.5	8.1	7.5	6.9	6.2	5.4	4.7	3.9	3.0	2.1	1.2
25°	8.6	8.2	7.6	7.0	6.3	5.5	4.7	4.0	3.1	2.1	1.2
23.75°	8.6	8.2	7.6	7.0	6.3	5.5	4.8	4.0	3.1	2.1	1.2
22.5°	8.7	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.2	2.1	1.2
21.25°	8.7	8.3	7.8	7.1	6.4	5.6	4.9	4.1	3.2	2.2	1.2
20°	8.8	8.3	7.8	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2
18.75°	8.8	8.4	7.8	7.2	6.5	5.7	4.9	4.1	3.3	2.2	1.2
17.5°	8.8	8.4	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.2	1.2
16.25°	8.9	8.4	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.3	1.2
15°	8.9	8.5	8.0	7.3	6.7	5.8	5.0	4.2	3.3	2.3	1.3
13.75°	8.9	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.4	2.3	1.3
12.5°	9.0	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.4	2.3	1.3
11.25°	9.0	8.6	8.1	7.4	6.8	5.9	5.1	4.3	3.4	2.3	1.3
10°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.3	1.3
8.75°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.4	1.3
7.5°	9.1	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.5	2.4	1.3
6.25°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
5°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
3.75°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
2.5°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
1.25°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
0°	9.1	8.7	8.2	7.6	6.9	6.1	5.2	4.4	3.5	2.4	1.3
-1.25°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
-2.5°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
-3.75°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
-5°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
-6.25°	9.1	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.5	2.4	1.3
-7.5°	9.1	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.5	2.4	1.3
-8.75°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.4	1.3
-10°	9.0	8.6	8.1	7.5	6.8	6.0	5.1	4.3	3.4	2.3	1.3
-11.25°	9.0	8.6	8.1	7.4	6.8	5.9	5.1	4.3	3.4	2.3	1.3
-12.5°	9.0	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.4	2.3	1.3
-13.75°	8.9	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.4	2.3	1.3
-15°	8.9	8.5	8.0	7.3	6.7	5.8	5.0	4.2	3.3	2.3	1.3
-16.25°	8.9	8.4	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.3	1.2
-17.5°	8.8	8.4	7.9	7.3	6.6	5.8	5.0	4.2	3.3	2.2	1.2
-18.75°	8.8	8.4	7.8	7.2	6.5	5.7	4.9	4.1	3.3	2.2	1.2
-20°	8.8	8.3	7.8	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2
-21.25°	8.7	8.3	7.8	7.1	6.4	5.6	4.9	4.1	3.2	2.2	1.2



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	8.7	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.2	2.1	1.2
-23.75°	8.6	8.2	7.6	7.0	6.3	5.5	4.8	4.0	3.1	2.1	1.2
-25°	8.6	8.2	7.6	7.0	6.3	5.5	4.7	4.0	3.1	2.1	1.2
-26.25°	8.5	8.1	7.5	6.9	6.2	5.4	4.7	3.9	3.0	2.1	1.2
-27.5°	8.5	8.0	7.5	6.9	6.1	5.4	4.6	3.9	3.0	2.0	1.2
-28.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.6	3.8	3.0	2.0	1.1
-30°	8.4	7.9	7.3	6.7	6.0	5.2	4.5	3.8	2.9	2.0	1.1
-31.25°	8.3	7.8	7.2	6.6	5.9	5.2	4.5	3.7	2.9	1.9	1.1
-32.5°	8.2	7.7	7.2	6.5	5.8	5.1	4.4	3.7	2.8	1.9	1.1
-33.75°	8.2	7.6	7.1	6.4	5.7	5.0	4.3	3.6	2.8	1.8	1.1
-35°	8.1	7.5	7.0	6.4	5.7	5.0	4.3	3.6	2.7	1.8	1.1
-36.25°	8.0	7.4	6.9	6.3	5.6	4.9	4.2	3.5	2.6	1.8	1.0
-37.5°	7.9	7.4	6.8	6.2	5.5	4.8	4.1	3.5	2.6	1.7	1.0
-38.75°	7.8	7.3	6.7	6.1	5.4	4.7	4.1	3.4	2.5	1.7	1.0
-40°	7.6	7.2	6.6	5.9	5.3	4.7	4.0	3.3	2.5	1.6	1.0
-41.25°	7.5	7.1	6.5	5.8	5.2	4.6	3.9	3.2	2.4	1.6	1.0
-42.5°	7.4	6.9	6.3	5.7	5.1	4.5	3.9	3.2	2.3	1.5	1.0
-43.75°	7.3	6.8	6.2	5.6	5.0	4.4	3.8	3.1	2.3	1.5	0.9
-45°	7.2	6.7	6.1	5.5	4.9	4.3	3.7	3.0	2.2	1.4	0.9
-46.25°	7.1	6.5	6.0	5.4	4.8	4.2	3.6	2.9	2.1	1.4	0.9
-47.5°	6.9	6.4	5.8	5.3	4.7	4.1	3.5	2.8	2.1	1.3	0.9
-48.75°	6.8	6.2	5.7	5.1	4.6	4.0	3.4	2.7	2.0	1.3	0.9
-50°	6.6	6.1	5.5	5.0	4.5	3.9	3.3	2.6	1.9	1.3	0.8
-51.25°	6.4	5.9	5.4	4.9	4.3	3.8	3.2	2.5	1.9	1.2	0.8
-52.5°	6.3	5.8	5.2	4.7	4.2	3.7	3.1	2.4	1.8	1.2	0.8
-53.75°	6.1	5.6	5.1	4.6	4.1	3.6	3.0	2.3	1.7	1.2	0.8
-55°	5.9	5.4	4.9	4.5	4.0	3.5	2.9	2.3	1.6	1.1	0.7
-56.25°	5.7	5.3	4.8	4.3	3.9	3.4	2.8	2.2	1.5	1.1	0.7
-57.5°	5.5	5.1	4.6	4.2	3.7	3.2	2.6	2.1	1.5	1.0	0.7
-58.75°	5.3	4.9	4.5	4.0	3.6	3.1	2.5	1.9	1.4	1.0	0.7
-60°	5.2	4.7	4.3	3.9	3.5	2.9	2.4	1.8	1.3	1.0	0.6
-61.25°	5.0	4.6	4.2	3.8	3.3	2.8	2.3	1.7	1.2	0.9	0.6
-62.5°	4.8	4.4	4.0	3.6	3.1	2.6	2.1	1.6	1.2	0.9	0.6
-63.75°	4.6	4.2	3.8	3.5	3.0	2.5	2.0	1.5	1.1	0.9	0.6
-65°	4.4	4.0	3.7	3.3	2.8	2.3	1.9	1.4	1.1	0.8	0.5
-66.25°	4.2	3.8	3.5	3.1	2.6	2.2	1.8	1.3	1.0	0.8	0.5
-67.5°	4.0	3.6	3.3	2.9	2.5	2.0	1.6	1.2	1.0	0.7	0.5
-68.75°	3.8	3.4	3.1	2.7	2.3	1.9	1.5	1.2	0.9	0.7	0.5
-70°	3.6	3.2	2.8	2.5	2.1	1.7	1.4	1.1	0.9	0.7	0.4
-71.25°	3.3	3.0	2.6	2.3	1.9	1.6	1.3	1.0	0.8	0.6	0.4
-72.5°	3.0	2.7	2.4	2.1	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-73.75°	2.8	2.5	2.2	1.9	1.6	1.3	1.1	0.9	0.7	0.5	0.4
-75°	2.5	2.2	1.9	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-76.25°	2.2	1.9	1.7	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-77.5°	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	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



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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



REPORT NUMBER: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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: P220434 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3090-S-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)