

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: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

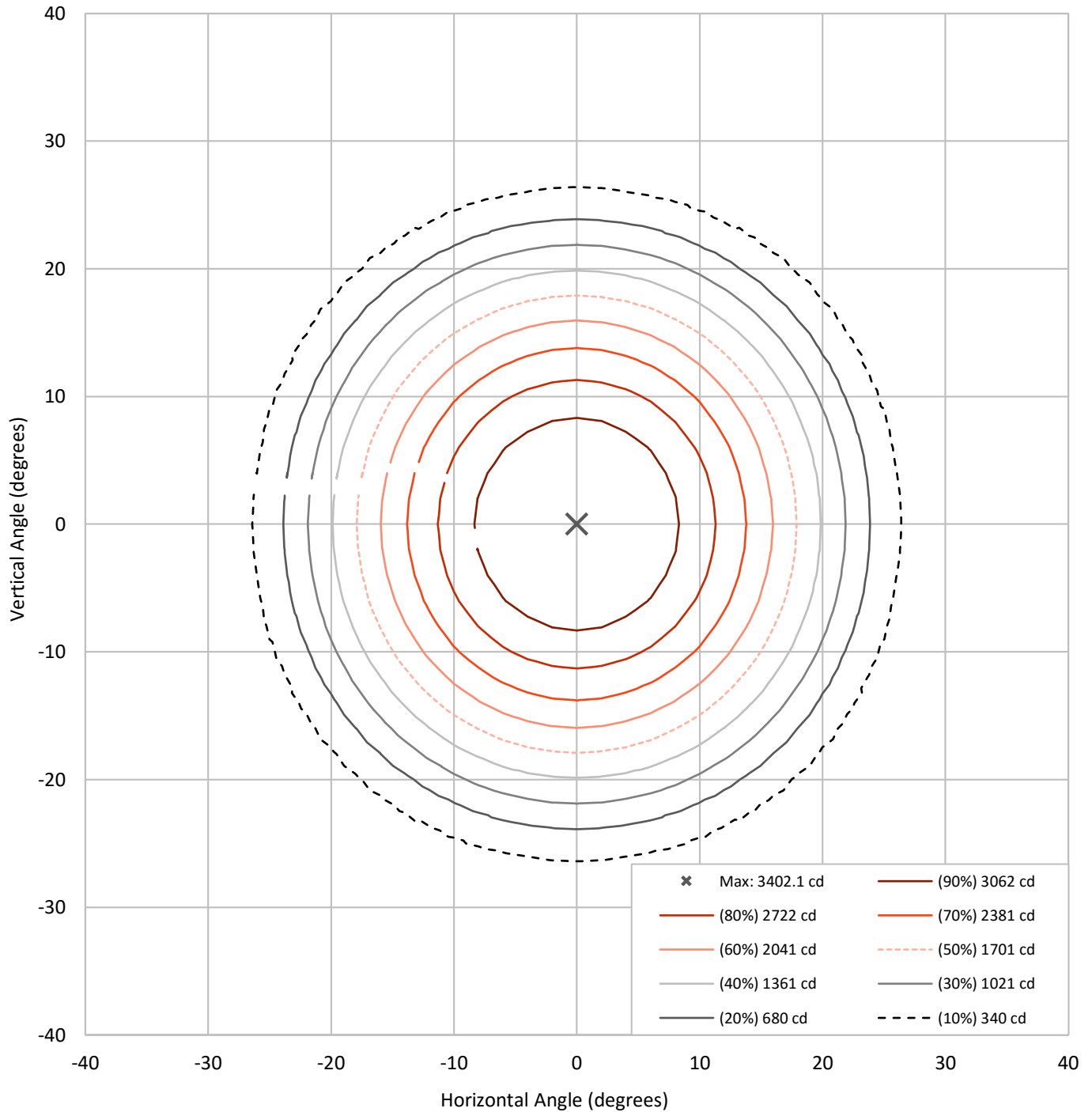
Test Method: LM-79-08
Report Number: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29470)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1324.4 lumens	Max Intensity:	3402.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	65.9 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	35.8°H x 35.8°V	Field Angle (10%):	52.6°H x 52.6°V
Beam Lumens:	778.8 lumens	Field Lumens:	1106.2 lumens
Beam Efficiency:	58.8%	Field Efficiency:	83.5%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





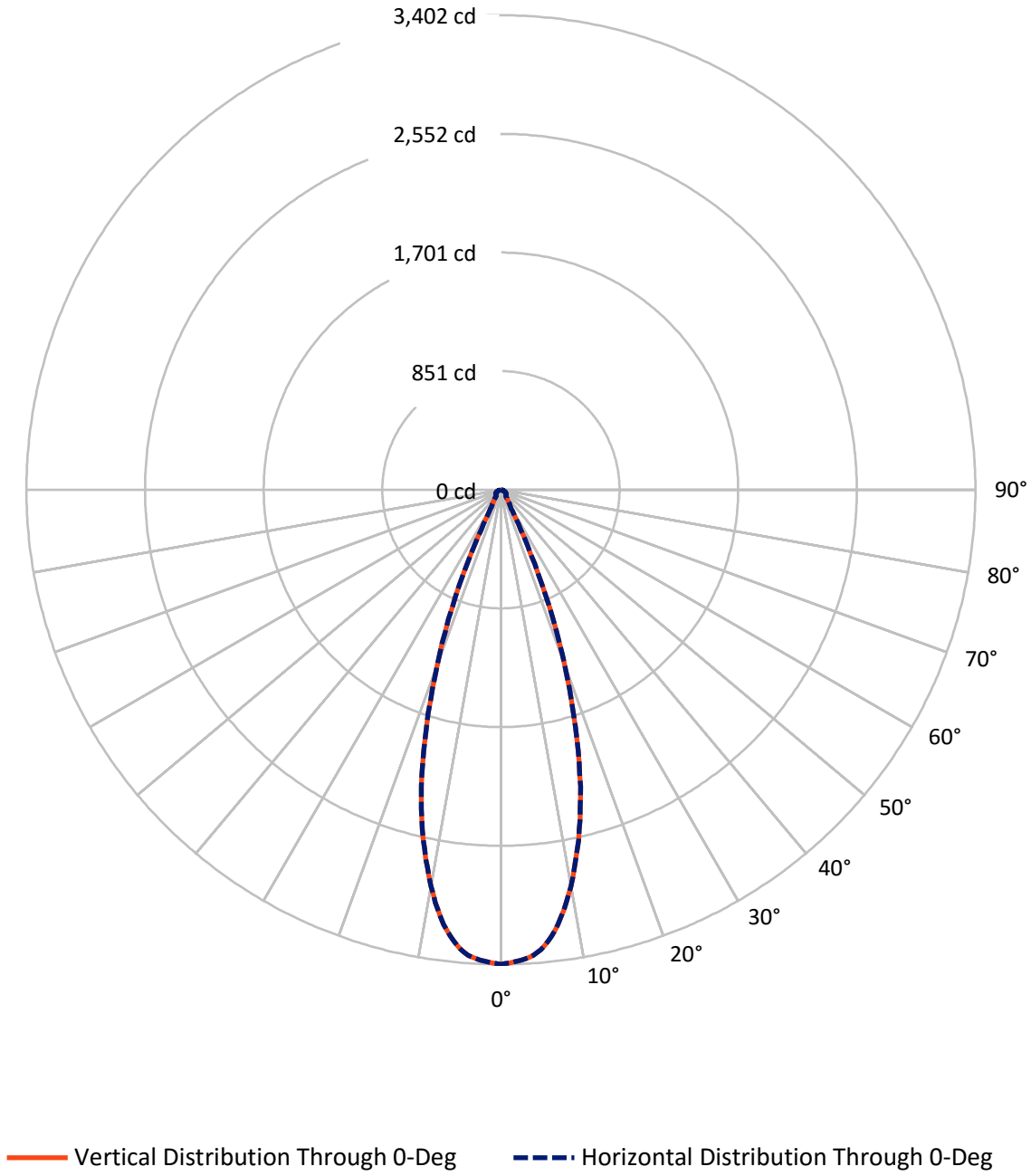
REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

Lumen Table

90	0.0	0.3		0.7		1.1		1.2		1.1		0.7		0.3		0.0			
80	0.0	0.3		0.7		1.1		1.2		1.1		0.7		0.3		0.0			
70	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.8	0.7	0.5	0.4	0.2	0.1	0.1			
60		0.2	0.3	0.6	0.9	1.1	1.2	1.3	1.3	1.2	1.1	0.9	0.6	0.3	0.2				
50	0.2	0.2	0.5	0.8	1.1	1.3	1.5	1.5	1.5	1.5	1.3	1.1	0.8	0.5	0.2	0.2			
40		0.3	0.6	1.0	1.2	1.5	1.9	2.4	2.4	1.9	1.5	1.2	1.0	0.6	0.3				
30	0.3	0.3	0.7	1.0	1.3	2.3	6.6	15.6	15.6	6.6	2.3	1.3	1.0	0.7	0.3	0.3			
20		0.4	0.7	1.1	1.6	6.3	33.3	60.6	60.6	33.3	6.3	1.6	1.1	0.7	0.4				
10	0.3	0.4	0.8	1.1	2.0	14.4	58.9	93.1	93.1	58.9	14.4	2.0	1.1	0.8	0.4	0.3			
0		0.4	0.8	1.1	2.0	14.4	58.9	93.1	93.1	58.9	14.4	2.0	1.1	0.8	0.4				
-10	0.3	0.4	0.7	1.1	1.6	6.3	33.3	60.6	60.6	33.3	6.3	1.6	1.1	0.7	0.4	0.3			
-20		0.3	0.7	1.0	1.3	2.3	6.6	15.6	15.6	6.6	2.3	1.3	1.0	0.7	0.3				
-30	0.2	0.3	0.6	1.0	1.2	1.5	1.9	2.4	2.4	1.9	1.5	1.2	1.0	0.6	0.3	0.2			
-40		0.2	0.5	0.8	1.1	1.3	1.5	1.5	1.5	1.5	1.3	1.1	0.8	0.5	0.2				
-50	0.1	0.2	0.3	0.6	0.9	1.1	1.2	1.3	1.3	1.2	1.1	0.9	0.6	0.3	0.2	0.1			
-60		0.1	0.2	0.4	0.5	0.7	0.8	0.9	0.9	0.8	0.7	0.5	0.4	0.2	0.1				
-70	0.0	0.3		0.7		1.1		1.2		1.1		0.7		0.3		0.0			
-80		0.3		0.7		1.1		1.2		1.1		0.7		0.3					
-90	0.0	0.3		0.7		1.1		1.2		1.1		0.7		0.3		0.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

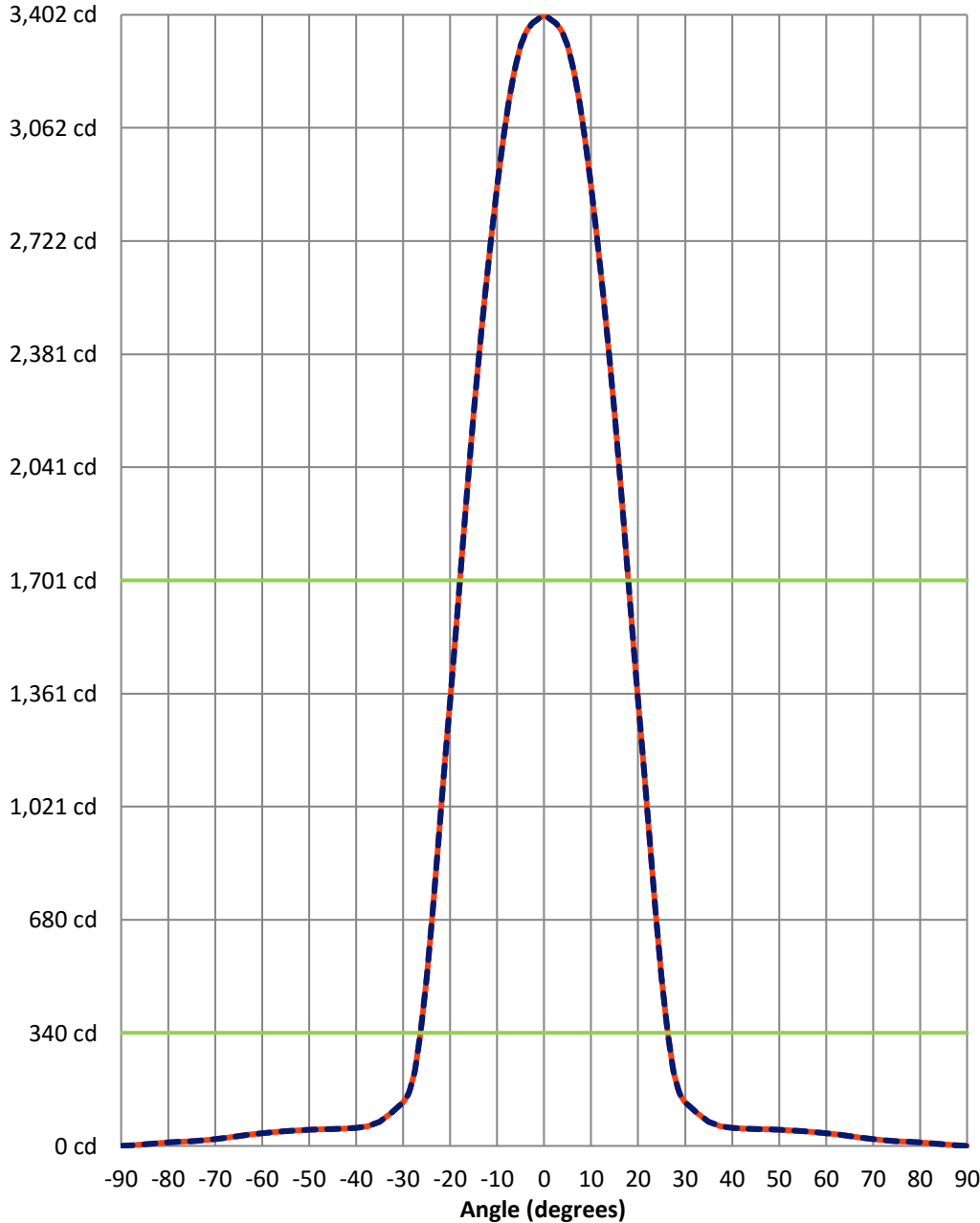
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 35.8°
 V Angle: 35.8°
 Lumens: 778.8
 Efficiency: 58.8%

Field:
 H Angle: 52.6°
 V Angle: 52.6°
 Lumens: 1106.2
 Efficiency: 83.5%

Spill:
 Lumens: 218.2
 Efficiency: 16.5%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
86.25°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
85°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
83.75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
82.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
81.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
80°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
78.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3
76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.9
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.4	2.8	3.2
72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.7	3.1	3.5
71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.9	3.3	3.8
70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.1	3.6	4.1
68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.8	3.3	3.8	4.3
67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.1	4.6
66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.7	3.2	3.8	4.3	4.9
65°	0.0	0.4	0.9	1.3	1.8	2.3	2.8	3.4	4.0	4.6	5.2
63.75°	0.0	0.5	0.9	1.4	1.9	2.4	3.0	3.6	4.2	4.8	5.5
62.5°	0.0	0.5	1.0	1.5	1.9	2.5	3.2	3.8	4.5	5.1	5.8
61.25°	0.0	0.5	1.0	1.5	2.0	2.7	3.3	4.0	4.7	5.3	6.0
60°	0.0	0.5	1.0	1.6	2.1	2.8	3.5	4.2	4.9	5.6	6.3
58.75°	0.0	0.5	1.1	1.6	2.2	2.9	3.6	4.4	5.1	5.8	6.6
57.5°	0.0	0.6	1.1	1.7	2.3	3.1	3.8	4.6	5.3	6.1	6.8
56.25°	0.0	0.6	1.2	1.7	2.4	3.2	4.0	4.7	5.5	6.3	7.1
55°	0.0	0.6	1.2	1.8	2.5	3.3	4.1	4.9	5.7	6.6	7.4
53.75°	0.0	0.6	1.2	1.9	2.6	3.4	4.3	5.1	5.9	6.8	7.6
52.5°	0.0	0.6	1.3	1.9	2.7	3.6	4.4	5.3	6.1	7.0	7.9
51.25°	0.0	0.7	1.3	2.0	2.8	3.7	4.5	5.4	6.3	7.2	8.1
50°	0.0	0.7	1.3	2.0	2.9	3.8	4.7	5.6	6.5	7.5	8.4
48.75°	0.0	0.7	1.4	2.1	3.0	3.9	4.8	5.8	6.7	7.7	8.6
47.5°	0.0	0.7	1.4	2.1	3.1	4.0	5.0	5.9	6.9	7.9	8.8
46.25°	0.0	0.7	1.5	2.2	3.2	4.1	5.1	6.1	7.1	8.1	9.0
45°	0.0	0.7	1.5	2.3	3.3	4.2	5.2	6.3	7.3	8.3	9.3
43.75°	0.0	0.8	1.5	2.3	3.3	4.4	5.4	6.4	7.5	8.5	9.5
42.5°	0.0	0.8	1.5	2.4	3.4	4.5	5.5	6.6	7.6	8.7	9.7
41.25°	0.0	0.8	1.6	2.5	3.5	4.6	5.6	6.7	7.8	8.8	9.9
40°	0.0	0.8	1.6	2.5	3.6	4.7	5.8	6.9	8.0	9.0	10.1
38.75°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	7.0	8.1	9.2	10.3
37.5°	0.0	0.8	1.7	2.6	3.7	4.8	6.0	7.1	8.3	9.4	10.5
36.25°	0.0	0.8	1.7	2.7	3.8	4.9	6.1	7.3	8.4	9.5	10.6
35°	0.0	0.9	1.7	2.7	3.9	5.0	6.2	7.4	8.6	9.7	10.8



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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°
33.75°	0.0	0.9	1.7	2.8	4.0	5.1	6.3	7.5	8.7	9.9	10.9
32.5°	0.0	0.9	1.8	2.8	4.0	5.2	6.4	7.7	8.8	10.0	11.0
31.25°	0.0	0.9	1.8	2.9	4.1	5.3	6.5	7.8	9.0	10.2	11.2
30°	0.0	0.9	1.8	2.9	4.1	5.4	6.6	7.9	9.1	10.3	11.3
28.75°	0.0	0.9	1.8	3.0	4.2	5.5	6.7	8.0	9.2	10.4	11.4
27.5°	0.0	0.9	1.9	3.0	4.3	5.5	6.8	8.1	9.3	10.6	11.5
26.25°	0.0	0.9	1.9	3.1	4.3	5.6	6.9	8.2	9.4	10.7	11.6
25°	0.0	1.0	1.9	3.1	4.4	5.7	7.0	8.3	9.5	10.8	11.7
23.75°	0.0	1.0	1.9	3.1	4.4	5.7	7.1	8.4	9.6	10.8	11.8
22.5°	0.0	1.0	1.9	3.2	4.5	5.8	7.1	8.4	9.7	10.9	11.9
21.25°	0.0	1.0	2.0	3.2	4.5	5.9	7.2	8.5	9.8	11.0	12.0
20°	0.0	1.0	2.0	3.2	4.6	5.9	7.3	8.6	9.9	11.1	12.1
18.75°	0.0	1.0	2.0	3.3	4.6	6.0	7.3	8.7	10.0	11.1	12.1
17.5°	0.0	1.0	2.0	3.3	4.6	6.0	7.4	8.7	10.1	11.2	12.2
16.25°	0.0	1.0	2.0	3.3	4.7	6.1	7.5	8.8	10.1	11.3	12.3
15°	0.0	1.0	2.0	3.4	4.7	6.1	7.5	8.9	10.2	11.3	12.3
13.75°	0.0	1.0	2.0	3.4	4.7	6.1	7.5	8.9	10.3	11.4	12.4
12.5°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.3	11.4	12.4
11.25°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.5	12.5
10°	0.0	1.0	2.1	3.4	4.8	6.2	7.7	9.0	10.4	11.5	12.5
8.75°	0.0	1.0	2.1	3.5	4.8	6.3	7.7	9.1	10.5	11.5	12.6
7.5°	0.0	1.0	2.1	3.5	4.9	6.3	7.7	9.1	10.5	11.6	12.6
6.25°	0.0	1.0	2.1	3.5	4.9	6.3	7.7	9.1	10.5	11.6	12.6
5°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
3.75°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
2.5°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
1.25°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
0°	0.0	1.0	2.1	3.5	4.9	6.4	7.8	9.2	10.6	11.7	12.7
-1.25°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
-2.5°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
-3.75°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
-5°	0.0	1.0	2.1	3.5	4.9	6.3	7.8	9.2	10.6	11.6	12.7
-6.25°	0.0	1.0	2.1	3.5	4.9	6.3	7.7	9.1	10.5	11.6	12.6
-7.5°	0.0	1.0	2.1	3.5	4.9	6.3	7.7	9.1	10.5	11.6	12.6
-8.75°	0.0	1.0	2.1	3.5	4.8	6.3	7.7	9.1	10.5	11.5	12.6
-10°	0.0	1.0	2.1	3.4	4.8	6.2	7.7	9.0	10.4	11.5	12.5
-11.25°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.4	11.5	12.5
-12.5°	0.0	1.0	2.1	3.4	4.8	6.2	7.6	9.0	10.3	11.4	12.4
-13.75°	0.0	1.0	2.0	3.4	4.7	6.1	7.5	8.9	10.3	11.4	12.4
-15°	0.0	1.0	2.0	3.4	4.7	6.1	7.5	8.9	10.2	11.3	12.3
-16.25°	0.0	1.0	2.0	3.3	4.7	6.1	7.5	8.8	10.1	11.3	12.3
-17.5°	0.0	1.0	2.0	3.3	4.6	6.0	7.4	8.7	10.1	11.2	12.2
-18.75°	0.0	1.0	2.0	3.3	4.6	6.0	7.3	8.7	10.0	11.1	12.1
-20°	0.0	1.0	2.0	3.2	4.6	5.9	7.3	8.6	9.9	11.1	12.1
-21.25°	0.0	1.0	2.0	3.2	4.5	5.9	7.2	8.5	9.8	11.0	12.0



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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°
-22.5°	0.0	1.0	1.9	3.2	4.5	5.8	7.1	8.4	9.7	10.9	11.9
-23.75°	0.0	1.0	1.9	3.1	4.4	5.7	7.1	8.4	9.6	10.8	11.8
-25°	0.0	1.0	1.9	3.1	4.4	5.7	7.0	8.3	9.5	10.8	11.7
-26.25°	0.0	0.9	1.9	3.1	4.3	5.6	6.9	8.2	9.4	10.7	11.6
-27.5°	0.0	0.9	1.9	3.0	4.3	5.5	6.8	8.1	9.3	10.6	11.5
-28.75°	0.0	0.9	1.8	3.0	4.2	5.5	6.7	8.0	9.2	10.4	11.4
-30°	0.0	0.9	1.8	2.9	4.1	5.4	6.6	7.9	9.1	10.3	11.3
-31.25°	0.0	0.9	1.8	2.9	4.1	5.3	6.5	7.8	9.0	10.2	11.2
-32.5°	0.0	0.9	1.8	2.8	4.0	5.2	6.4	7.7	8.8	10.0	11.0
-33.75°	0.0	0.9	1.7	2.8	4.0	5.1	6.3	7.5	8.7	9.9	10.9
-35°	0.0	0.9	1.7	2.7	3.9	5.0	6.2	7.4	8.6	9.7	10.8
-36.25°	0.0	0.8	1.7	2.7	3.8	4.9	6.1	7.3	8.4	9.5	10.6
-37.5°	0.0	0.8	1.7	2.6	3.7	4.8	6.0	7.1	8.3	9.4	10.5
-38.75°	0.0	0.8	1.6	2.6	3.7	4.8	5.9	7.0	8.1	9.2	10.3
-40°	0.0	0.8	1.6	2.5	3.6	4.7	5.8	6.9	8.0	9.0	10.1
-41.25°	0.0	0.8	1.6	2.5	3.5	4.6	5.6	6.7	7.8	8.8	9.9
-42.5°	0.0	0.8	1.5	2.4	3.4	4.5	5.5	6.6	7.6	8.7	9.7
-43.75°	0.0	0.8	1.5	2.3	3.3	4.4	5.4	6.4	7.5	8.5	9.5
-45°	0.0	0.7	1.5	2.3	3.3	4.2	5.2	6.3	7.3	8.3	9.3
-46.25°	0.0	0.7	1.5	2.2	3.2	4.1	5.1	6.1	7.1	8.1	9.0
-47.5°	0.0	0.7	1.4	2.1	3.1	4.0	5.0	5.9	6.9	7.9	8.8
-48.75°	0.0	0.7	1.4	2.1	3.0	3.9	4.8	5.8	6.7	7.7	8.6
-50°	0.0	0.7	1.3	2.0	2.9	3.8	4.7	5.6	6.5	7.5	8.4
-51.25°	0.0	0.7	1.3	2.0	2.8	3.7	4.5	5.4	6.3	7.2	8.1
-52.5°	0.0	0.6	1.3	1.9	2.7	3.6	4.4	5.3	6.1	7.0	7.9
-53.75°	0.0	0.6	1.2	1.9	2.6	3.4	4.3	5.1	5.9	6.8	7.6
-55°	0.0	0.6	1.2	1.8	2.5	3.3	4.1	4.9	5.7	6.6	7.4
-56.25°	0.0	0.6	1.2	1.7	2.4	3.2	4.0	4.7	5.5	6.3	7.1
-57.5°	0.0	0.6	1.1	1.7	2.3	3.1	3.8	4.6	5.3	6.1	6.8
-58.75°	0.0	0.5	1.1	1.6	2.2	2.9	3.6	4.4	5.1	5.8	6.6
-60°	0.0	0.5	1.0	1.6	2.1	2.8	3.5	4.2	4.9	5.6	6.3
-61.25°	0.0	0.5	1.0	1.5	2.0	2.7	3.3	4.0	4.7	5.3	6.0
-62.5°	0.0	0.5	1.0	1.5	1.9	2.5	3.2	3.8	4.5	5.1	5.8
-63.75°	0.0	0.5	0.9	1.4	1.9	2.4	3.0	3.6	4.2	4.8	5.5
-65°	0.0	0.4	0.9	1.3	1.8	2.3	2.8	3.4	4.0	4.6	5.2
-66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.7	3.2	3.8	4.3	4.9
-67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	3.0	3.6	4.1	4.6
-68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.8	3.3	3.8	4.3
-70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.1	3.6	4.1
-71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.9	3.3	3.8
-72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.7	3.1	3.5
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.4	2.8	3.2
-75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.9
-76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.6
-77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.3



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-80°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-81.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.4	1.6
-82.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.2	1.4
-83.75°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-85°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
-86.25°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7
-87.5°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-88.75°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5
87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9
86.25°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4
85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
83.75°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.5	2.7	2.8	3.0
81.25°	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6
80°	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2
78.75°	2.3	2.5	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.8
77.5°	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5
76.25°	2.9	3.3	3.6	3.9	4.2	4.5	4.8	5.2	5.5	5.8	6.1
75°	3.3	3.6	4.0	4.3	4.6	5.0	5.3	5.7	6.0	6.4	6.7
73.75°	3.6	4.0	4.3	4.7	5.1	5.5	5.9	6.2	6.6	7.0	7.3
72.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.4	6.8	7.2	7.6	8.0
71.25°	4.2	4.6	5.1	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.6
70°	4.5	5.0	5.5	5.9	6.4	6.9	7.4	7.8	8.3	8.7	9.1
68.75°	4.8	5.3	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.7
67.5°	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
66.25°	5.5	6.0	6.6	7.2	7.7	8.3	8.8	9.3	9.9	10.4	10.8
65°	5.8	6.4	7.0	7.6	8.1	8.7	9.3	9.8	10.4	10.8	11.2
63.75°	6.1	6.7	7.3	8.0	8.6	9.1	9.7	10.3	10.8	11.2	11.7
62.5°	6.4	7.1	7.7	8.3	9.0	9.6	10.2	10.7	11.2	11.7	12.1
61.25°	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.1	11.6	12.1	12.5
60°	7.0	7.7	8.4	9.1	9.8	10.4	11.0	11.5	12.0	12.4	12.9
58.75°	7.3	8.0	8.7	9.5	10.2	10.8	11.3	11.8	12.3	12.8	13.1
57.5°	7.6	8.4	9.1	9.8	10.5	11.1	11.6	12.2	12.7	13.0	13.4
56.25°	7.9	8.7	9.4	10.2	10.8	11.4	12.0	12.5	12.9	13.3	13.7
55°	8.2	9.0	9.7	10.5	11.1	11.7	12.3	12.8	13.2	13.6	13.9
53.75°	8.4	9.3	10.1	10.8	11.4	12.0	12.6	13.0	13.4	13.8	14.3
52.5°	8.7	9.6	10.4	11.1	11.7	12.3	12.8	13.2	13.6	14.0	14.8
51.25°	9.0	9.8	10.7	11.3	11.9	12.6	13.0	13.5	13.9	14.5	15.3
50°	9.2	10.1	10.9	11.6	12.2	12.8	13.2	13.7	14.1	15.0	15.8
48.75°	9.5	10.4	11.1	11.8	12.5	13.0	13.4	13.9	14.5	15.4	16.3
47.5°	9.7	10.7	11.4	12.0	12.7	13.2	13.6	14.1	15.0	15.9	16.8
46.25°	10.0	10.9	11.6	12.3	12.9	13.4	13.8	14.5	15.4	16.3	17.3
45°	10.2	11.1	11.8	12.5	13.1	13.5	14.0	14.9	15.8	16.8	17.9
43.75°	10.5	11.3	12.0	12.7	13.2	13.7	14.3	15.3	16.2	17.3	18.5
42.5°	10.7	11.4	12.2	12.9	13.4	13.9	14.7	15.7	16.6	17.8	19.1
41.25°	10.8	11.6	12.4	13.0	13.5	14.0	15.0	16.0	17.1	18.4	19.7
40°	11.0	11.8	12.6	13.2	13.7	14.3	15.4	16.4	17.6	18.9	20.2
38.75°	11.2	12.0	12.8	13.3	13.8	14.6	15.7	16.7	18.1	19.4	20.8
37.5°	11.3	12.2	12.9	13.4	14.0	14.9	16.0	17.2	18.5	19.9	21.4
36.25°	11.5	12.3	13.0	13.6	14.1	15.2	16.3	17.6	19.0	20.4	22.0
35°	11.6	12.5	13.1	13.7	14.4	15.5	16.6	18.0	19.4	20.9	22.6

REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	11.8	12.6	13.2	13.8	14.7	15.8	17.0	18.4	19.9	21.5	23.1
32.5°	11.9	12.8	13.3	13.9	14.9	16.1	17.3	18.8	20.3	22.0	23.7
31.25°	12.0	12.9	13.5	14.0	15.2	16.3	17.7	19.2	20.7	22.5	24.2
30°	12.2	13.0	13.6	14.2	15.4	16.6	18.0	19.6	21.2	23.0	24.7
28.75°	12.3	13.0	13.7	14.4	15.6	16.8	18.4	19.9	21.6	23.4	25.3
27.5°	12.4	13.1	13.7	14.6	15.9	17.1	18.7	20.3	22.1	23.9	25.9
26.25°	12.5	13.2	13.8	14.8	16.1	17.4	19.0	20.6	22.5	24.3	26.4
25°	12.6	13.3	13.9	15.0	16.3	17.7	19.3	21.0	22.9	24.7	26.9
23.75°	12.7	13.4	14.0	15.2	16.5	18.0	19.6	21.3	23.2	25.2	27.4
22.5°	12.8	13.4	14.1	15.4	16.6	18.2	19.9	21.7	23.6	25.6	27.9
21.25°	12.9	13.5	14.2	15.5	16.8	18.5	20.1	22.0	23.9	26.1	28.3
20°	12.9	13.6	14.4	15.7	17.0	18.7	20.4	22.3	24.3	26.5	28.7
18.75°	13.0	13.6	14.5	15.8	17.2	18.9	20.6	22.6	24.6	26.8	29.1
17.5°	13.0	13.7	14.6	16.0	17.4	19.1	20.9	22.9	24.9	27.2	29.5
16.25°	13.1	13.8	14.8	16.1	17.6	19.3	21.1	23.1	25.2	27.5	29.9
15°	13.1	13.8	14.9	16.2	17.7	19.5	21.3	23.3	25.5	27.8	30.2
13.75°	13.2	13.9	15.0	16.3	17.9	19.6	21.5	23.6	25.7	28.1	30.5
12.5°	13.2	13.9	15.1	16.4	18.0	19.8	21.7	23.8	26.0	28.4	30.8
11.25°	13.2	13.9	15.1	16.5	18.2	19.9	21.9	23.9	26.2	28.6	31.0
10°	13.3	14.0	15.2	16.6	18.3	20.0	22.0	24.1	26.4	28.8	31.2
8.75°	13.3	14.0	15.3	16.7	18.4	20.2	22.2	24.2	26.6	29.0	31.4
7.5°	13.3	14.0	15.3	16.7	18.5	20.2	22.3	24.4	26.7	29.2	31.6
6.25°	13.4	14.0	15.4	16.8	18.5	20.3	22.4	24.5	26.9	29.3	31.8
5°	13.4	14.1	15.4	16.8	18.6	20.4	22.5	24.5	27.0	29.4	31.9
3.75°	13.4	14.1	15.5	16.9	18.6	20.4	22.5	24.6	27.0	29.5	32.0
2.5°	13.4	14.1	15.5	16.9	18.7	20.5	22.6	24.7	27.1	29.6	32.0
1.25°	13.4	14.1	15.5	16.9	18.7	20.5	22.6	24.7	27.1	29.6	32.1
0°	13.4	14.1	15.5	16.9	18.7	20.5	22.6	24.7	27.1	29.6	32.1
-1.25°	13.4	14.1	15.5	16.9	18.7	20.5	22.6	24.7	27.1	29.6	32.1
-2.5°	13.4	14.1	15.5	16.9	18.7	20.5	22.6	24.7	27.1	29.6	32.0
-3.75°	13.4	14.1	15.5	16.9	18.6	20.4	22.5	24.6	27.0	29.5	32.0
-5°	13.4	14.1	15.4	16.8	18.6	20.4	22.5	24.5	27.0	29.4	31.9
-6.25°	13.4	14.0	15.4	16.8	18.5	20.3	22.4	24.5	26.9	29.3	31.8
-7.5°	13.3	14.0	15.3	16.7	18.5	20.2	22.3	24.4	26.7	29.2	31.6
-8.75°	13.3	14.0	15.3	16.7	18.4	20.2	22.2	24.2	26.6	29.0	31.4
-10°	13.3	14.0	15.2	16.6	18.3	20.0	22.0	24.1	26.4	28.8	31.2
-11.25°	13.2	13.9	15.1	16.5	18.2	19.9	21.9	23.9	26.2	28.6	31.0
-12.5°	13.2	13.9	15.1	16.4	18.0	19.8	21.7	23.8	26.0	28.4	30.8
-13.75°	13.2	13.9	15.0	16.3	17.9	19.6	21.5	23.6	25.7	28.1	30.5
-15°	13.1	13.8	14.9	16.2	17.7	19.5	21.3	23.3	25.5	27.8	30.2
-16.25°	13.1	13.8	14.8	16.1	17.6	19.3	21.1	23.1	25.2	27.5	29.9
-17.5°	13.0	13.7	14.6	16.0	17.4	19.1	20.9	22.9	24.9	27.2	29.5
-18.75°	13.0	13.6	14.5	15.8	17.2	18.9	20.6	22.6	24.6	26.8	29.1
-20°	12.9	13.6	14.4	15.7	17.0	18.7	20.4	22.3	24.3	26.5	28.7
-21.25°	12.9	13.5	14.2	15.5	16.8	18.5	20.1	22.0	23.9	26.1	28.3



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	12.8	13.4	14.1	15.4	16.6	18.2	19.9	21.7	23.6	25.6	27.9
-23.75°	12.7	13.4	14.0	15.2	16.5	18.0	19.6	21.3	23.2	25.2	27.4
-25°	12.6	13.3	13.9	15.0	16.3	17.7	19.3	21.0	22.9	24.7	26.9
-26.25°	12.5	13.2	13.8	14.8	16.1	17.4	19.0	20.6	22.5	24.3	26.4
-27.5°	12.4	13.1	13.7	14.6	15.9	17.1	18.7	20.3	22.1	23.9	25.9
-28.75°	12.3	13.0	13.7	14.4	15.6	16.8	18.4	19.9	21.6	23.4	25.3
-30°	12.2	13.0	13.6	14.2	15.4	16.6	18.0	19.6	21.2	23.0	24.7
-31.25°	12.0	12.9	13.5	14.0	15.2	16.3	17.7	19.2	20.7	22.5	24.2
-32.5°	11.9	12.8	13.3	13.9	14.9	16.1	17.3	18.8	20.3	22.0	23.7
-33.75°	11.8	12.6	13.2	13.8	14.7	15.8	17.0	18.4	19.9	21.5	23.1
-35°	11.6	12.5	13.1	13.7	14.4	15.5	16.6	18.0	19.4	20.9	22.6
-36.25°	11.5	12.3	13.0	13.6	14.1	15.2	16.3	17.6	19.0	20.4	22.0
-37.5°	11.3	12.2	12.9	13.4	14.0	14.9	16.0	17.2	18.5	19.9	21.4
-38.75°	11.2	12.0	12.8	13.3	13.8	14.6	15.7	16.7	18.1	19.4	20.8
-40°	11.0	11.8	12.6	13.2	13.7	14.3	15.4	16.4	17.6	18.9	20.2
-41.25°	10.8	11.6	12.4	13.0	13.5	14.0	15.0	16.0	17.1	18.4	19.7
-42.5°	10.7	11.4	12.2	12.9	13.4	13.9	14.7	15.7	16.6	17.8	19.1
-43.75°	10.5	11.3	12.0	12.7	13.2	13.7	14.3	15.3	16.2	17.3	18.5
-45°	10.2	11.1	11.8	12.5	13.1	13.5	14.0	14.9	15.8	16.8	17.9
-46.25°	10.0	10.9	11.6	12.3	12.9	13.4	13.8	14.5	15.4	16.3	17.3
-47.5°	9.7	10.7	11.4	12.0	12.7	13.2	13.6	14.1	15.0	15.9	16.8
-48.75°	9.5	10.4	11.1	11.8	12.5	13.0	13.4	13.9	14.5	15.4	16.3
-50°	9.2	10.1	10.9	11.6	12.2	12.8	13.2	13.7	14.1	15.0	15.8
-51.25°	9.0	9.8	10.7	11.3	11.9	12.6	13.0	13.5	13.9	14.5	15.3
-52.5°	8.7	9.6	10.4	11.1	11.7	12.3	12.8	13.2	13.6	14.0	14.8
-53.75°	8.4	9.3	10.1	10.8	11.4	12.0	12.6	13.0	13.4	13.8	14.3
-55°	8.2	9.0	9.7	10.5	11.1	11.7	12.3	12.8	13.2	13.6	13.9
-56.25°	7.9	8.7	9.4	10.2	10.8	11.4	12.0	12.5	12.9	13.3	13.7
-57.5°	7.6	8.4	9.1	9.8	10.5	11.1	11.6	12.2	12.7	13.0	13.4
-58.75°	7.3	8.0	8.7	9.5	10.2	10.8	11.3	11.8	12.3	12.8	13.1
-60°	7.0	7.7	8.4	9.1	9.8	10.4	11.0	11.5	12.0	12.4	12.9
-61.25°	6.7	7.4	8.1	8.7	9.4	10.0	10.6	11.1	11.6	12.1	12.5
-62.5°	6.4	7.1	7.7	8.3	9.0	9.6	10.2	10.7	11.2	11.7	12.1
-63.75°	6.1	6.7	7.3	8.0	8.6	9.1	9.7	10.3	10.8	11.2	11.7
-65°	5.8	6.4	7.0	7.6	8.1	8.7	9.3	9.8	10.4	10.8	11.2
-66.25°	5.5	6.0	6.6	7.2	7.7	8.3	8.8	9.3	9.9	10.4	10.8
-67.5°	5.2	5.7	6.2	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3
-68.75°	4.8	5.3	5.9	6.4	6.9	7.4	7.9	8.3	8.8	9.3	9.7
-70°	4.5	5.0	5.5	5.9	6.4	6.9	7.4	7.8	8.3	8.7	9.1
-71.25°	4.2	4.6	5.1	5.5	6.0	6.4	6.9	7.3	7.7	8.1	8.6
-72.5°	3.9	4.3	4.7	5.1	5.5	5.9	6.4	6.8	7.2	7.6	8.0
-73.75°	3.6	4.0	4.3	4.7	5.1	5.5	5.9	6.2	6.6	7.0	7.3
-75°	3.3	3.6	4.0	4.3	4.6	5.0	5.3	5.7	6.0	6.4	6.7
-76.25°	2.9	3.3	3.6	3.9	4.2	4.5	4.8	5.2	5.5	5.8	6.1
-77.5°	2.6	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5



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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.3	2.5	2.8	3.1	3.3	3.6	3.8	4.1	4.3	4.6	4.8
-80°	2.0	2.2	2.4	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2
-81.25°	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6
-82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.3	2.5	2.7	2.8	3.0
-83.75°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
-85°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
-86.25°	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4
-87.5°	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	0.9
-88.75°	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	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: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7
87.5°	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3
86.25°	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0
85°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
83.75°	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8
82.5°	3.2	3.3	3.5	3.6	3.8	4.0	4.1	4.3	4.4	4.5	4.7
81.25°	3.8	4.0	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6
80°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
78.75°	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.2	7.5
77.5°	5.8	6.0	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.1	8.4
76.25°	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.2
75°	7.1	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.8	10.1
73.75°	7.7	8.1	8.4	8.7	9.1	9.4	9.7	10.1	10.4	10.7	10.9
72.5°	8.3	8.7	9.1	9.5	9.8	10.2	10.5	10.8	11.1	11.3	11.6
71.25°	9.0	9.4	9.8	10.2	10.5	10.8	11.1	11.4	11.7	11.9	12.2
70°	9.6	10.0	10.4	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.8
68.75°	10.2	10.6	11.0	11.3	11.6	12.0	12.3	12.6	12.8	13.0	13.2
67.5°	10.7	11.1	11.5	11.8	12.2	12.5	12.8	13.0	13.2	13.5	13.7
66.25°	11.2	11.6	12.0	12.3	12.7	12.9	13.2	13.4	13.6	13.9	14.1
65°	11.7	12.1	12.4	12.8	13.0	13.3	13.6	13.8	14.0	14.5	15.0
63.75°	12.1	12.5	12.9	13.1	13.4	13.7	13.9	14.3	14.8	15.3	15.8
62.5°	12.5	12.9	13.2	13.5	13.7	14.0	14.5	15.0	15.6	16.1	16.6
61.25°	12.9	13.2	13.5	13.8	14.1	14.7	15.2	15.8	16.4	16.9	17.6
60°	13.2	13.5	13.8	14.1	14.8	15.4	16.0	16.6	17.2	18.0	18.7
58.75°	13.5	13.8	14.1	14.8	15.4	16.1	16.7	17.4	18.2	19.0	19.7
57.5°	13.7	14.1	14.8	15.4	16.1	16.8	17.5	18.4	19.2	20.0	20.8
56.25°	14.0	14.7	15.4	16.1	16.8	17.6	18.5	19.3	20.2	21.1	22.1
55°	14.5	15.2	16.0	16.7	17.5	18.5	19.4	20.2	21.2	22.2	23.2
53.75°	15.0	15.8	16.6	17.4	18.4	19.3	20.2	21.3	22.3	23.4	24.4
52.5°	15.6	16.4	17.2	18.2	19.2	20.2	21.2	22.3	23.4	24.5	25.7
51.25°	16.1	16.9	18.0	19.0	20.0	21.1	22.2	23.4	24.5	25.8	27.1
50°	16.6	17.6	18.7	19.7	20.8	22.1	23.2	24.4	25.7	27.1	28.4
48.75°	17.2	18.3	19.4	20.5	21.8	23.0	24.2	25.6	27.0	28.4	29.8
47.5°	17.9	19.0	20.1	21.4	22.7	23.9	25.3	26.7	28.2	29.6	31.1
46.25°	18.5	19.7	20.9	22.2	23.5	24.9	26.4	27.9	29.4	30.9	32.4
45°	19.1	20.3	21.7	23.1	24.4	25.9	27.5	29.0	30.6	32.1	33.7
43.75°	19.8	21.1	22.5	23.9	25.4	27.0	28.6	30.2	31.8	33.4	34.8
42.5°	20.4	21.8	23.2	24.7	26.3	28.0	29.6	31.3	32.9	34.6	35.7
41.25°	21.0	22.5	24.0	25.6	27.3	29.0	30.7	32.4	34.1	35.4	36.6
40°	21.7	23.2	24.7	26.5	28.2	30.0	31.7	33.5	35.0	36.2	37.4
38.75°	22.4	23.9	25.6	27.4	29.2	31.0	32.7	34.5	35.8	37.0	38.2
37.5°	23.0	24.6	26.4	28.2	30.1	31.9	33.7	35.3	36.5	37.8	39.0
36.25°	23.6	25.3	27.2	29.1	31.0	32.8	34.7	36.0	37.3	38.5	39.8
35°	24.2	26.1	28.0	29.9	31.8	33.7	35.3	36.7	38.0	39.3	40.6



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	24.9	26.8	28.7	30.7	32.7	34.6	36.0	37.3	38.7	40.0	41.3
32.5°	25.5	27.5	29.5	31.5	33.5	35.2	36.6	38.0	39.3	40.7	42.0
31.25°	26.2	28.2	30.2	32.3	34.3	35.8	37.2	38.6	40.0	41.4	42.6
30°	26.8	28.8	30.9	33.0	34.9	36.4	37.8	39.2	40.6	42.0	43.1
28.75°	27.4	29.5	31.6	33.7	35.4	36.9	38.4	39.8	41.3	42.5	43.7
27.5°	28.0	30.1	32.3	34.4	35.9	37.4	38.9	40.4	41.8	43.0	44.2
26.25°	28.6	30.7	32.9	34.9	36.4	37.9	39.4	40.9	42.3	43.5	44.7
25°	29.1	31.3	33.5	35.4	36.9	38.4	39.9	41.5	42.7	44.0	45.0
23.75°	29.6	31.8	34.1	35.8	37.3	38.9	40.4	41.9	43.2	44.4	45.4
22.5°	30.1	32.4	34.6	36.2	37.8	39.3	40.9	42.3	43.6	44.8	45.7
21.25°	30.6	32.9	35.0	36.6	38.2	39.8	41.3	42.7	44.0	45.1	46.0
20°	31.0	33.3	35.3	36.9	38.6	40.2	41.7	43.1	44.4	45.4	46.3
18.75°	31.5	33.8	35.7	37.3	38.9	40.5	42.1	43.4	44.7	45.6	46.6
17.5°	31.9	34.2	36.0	37.6	39.3	40.9	42.4	43.7	44.9	45.9	46.9
16.25°	32.2	34.6	36.3	37.9	39.6	41.2	42.7	44.0	45.1	46.1	47.1
15°	32.6	34.9	36.5	38.2	39.9	41.5	42.9	44.3	45.4	46.3	47.3
13.75°	32.9	35.1	36.8	38.5	40.1	41.8	43.2	44.5	45.6	46.6	47.6
12.5°	33.2	35.3	37.0	38.7	40.4	42.0	43.4	44.7	45.7	46.7	47.8
11.25°	33.5	35.5	37.2	38.9	40.6	42.2	43.6	44.9	45.9	46.9	47.9
10°	33.7	35.7	37.4	39.1	40.8	42.4	43.8	45.0	46.0	47.1	48.1
8.75°	33.9	35.8	37.6	39.3	41.0	42.5	44.0	45.1	46.2	47.2	48.2
7.5°	34.1	36.0	37.7	39.4	41.2	42.7	44.1	45.2	46.3	47.3	48.4
6.25°	34.2	36.1	37.8	39.6	41.3	42.8	44.2	45.3	46.4	47.4	48.5
5°	34.4	36.2	37.9	39.7	41.4	42.9	44.3	45.4	46.5	47.5	48.5
3.75°	34.5	36.3	38.0	39.7	41.5	43.0	44.4	45.5	46.5	47.6	48.6
2.5°	34.5	36.3	38.1	39.8	41.6	43.0	44.5	45.5	46.6	47.6	48.7
1.25°	34.6	36.3	38.1	39.8	41.6	43.0	44.5	45.5	46.6	47.6	48.7
0°	34.6	36.4	38.1	39.9	41.6	43.1	44.5	45.6	46.6	47.7	48.7
-1.25°	34.6	36.3	38.1	39.8	41.6	43.0	44.5	45.5	46.6	47.6	48.7
-2.5°	34.5	36.3	38.1	39.8	41.6	43.0	44.5	45.5	46.6	47.6	48.7
-3.75°	34.5	36.3	38.0	39.7	41.5	43.0	44.4	45.5	46.5	47.6	48.6
-5°	34.4	36.2	37.9	39.7	41.4	42.9	44.3	45.4	46.5	47.5	48.5
-6.25°	34.2	36.1	37.8	39.6	41.3	42.8	44.2	45.3	46.4	47.4	48.5
-7.5°	34.1	36.0	37.7	39.4	41.2	42.7	44.1	45.2	46.3	47.3	48.4
-8.75°	33.9	35.8	37.6	39.3	41.0	42.5	44.0	45.1	46.2	47.2	48.2
-10°	33.7	35.7	37.4	39.1	40.8	42.4	43.8	45.0	46.0	47.1	48.1
-11.25°	33.5	35.5	37.2	38.9	40.6	42.2	43.6	44.9	45.9	46.9	47.9
-12.5°	33.2	35.3	37.0	38.7	40.4	42.0	43.4	44.7	45.7	46.7	47.8
-13.75°	32.9	35.1	36.8	38.5	40.1	41.8	43.2	44.5	45.6	46.6	47.6
-15°	32.6	34.9	36.5	38.2	39.9	41.5	42.9	44.3	45.4	46.3	47.3
-16.25°	32.2	34.6	36.3	37.9	39.6	41.2	42.7	44.0	45.1	46.1	47.1
-17.5°	31.9	34.2	36.0	37.6	39.3	40.9	42.4	43.7	44.9	45.9	46.9
-18.75°	31.5	33.8	35.7	37.3	38.9	40.5	42.1	43.4	44.7	45.6	46.6
-20°	31.0	33.3	35.3	36.9	38.6	40.2	41.7	43.1	44.4	45.4	46.3
-21.25°	30.6	32.9	35.0	36.6	38.2	39.8	41.3	42.7	44.0	45.1	46.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	30.1	32.4	34.6	36.2	37.8	39.3	40.9	42.3	43.6	44.8	45.7
-23.75°	29.6	31.8	34.1	35.8	37.3	38.9	40.4	41.9	43.2	44.4	45.4
-25°	29.1	31.3	33.5	35.4	36.9	38.4	39.9	41.5	42.7	44.0	45.0
-26.25°	28.6	30.7	32.9	34.9	36.4	37.9	39.4	40.9	42.3	43.5	44.7
-27.5°	28.0	30.1	32.3	34.4	35.9	37.4	38.9	40.4	41.8	43.0	44.2
-28.75°	27.4	29.5	31.6	33.7	35.4	36.9	38.4	39.8	41.3	42.5	43.7
-30°	26.8	28.8	30.9	33.0	34.9	36.4	37.8	39.2	40.6	42.0	43.1
-31.25°	26.2	28.2	30.2	32.3	34.3	35.8	37.2	38.6	40.0	41.4	42.6
-32.5°	25.5	27.5	29.5	31.5	33.5	35.2	36.6	38.0	39.3	40.7	42.0
-33.75°	24.9	26.8	28.7	30.7	32.7	34.6	36.0	37.3	38.7	40.0	41.3
-35°	24.2	26.1	28.0	29.9	31.8	33.7	35.3	36.7	38.0	39.3	40.6
-36.25°	23.6	25.3	27.2	29.1	31.0	32.8	34.7	36.0	37.3	38.5	39.8
-37.5°	23.0	24.6	26.4	28.2	30.1	31.9	33.7	35.3	36.5	37.8	39.0
-38.75°	22.4	23.9	25.6	27.4	29.2	31.0	32.7	34.5	35.8	37.0	38.2
-40°	21.7	23.2	24.7	26.5	28.2	30.0	31.7	33.5	35.0	36.2	37.4
-41.25°	21.0	22.5	24.0	25.6	27.3	29.0	30.7	32.4	34.1	35.4	36.6
-42.5°	20.4	21.8	23.2	24.7	26.3	28.0	29.6	31.3	32.9	34.6	35.7
-43.75°	19.8	21.1	22.5	23.9	25.4	27.0	28.6	30.2	31.8	33.4	34.8
-45°	19.1	20.3	21.7	23.1	24.4	25.9	27.5	29.0	30.6	32.1	33.7
-46.25°	18.5	19.7	20.9	22.2	23.5	24.9	26.4	27.9	29.4	30.9	32.4
-47.5°	17.9	19.0	20.1	21.4	22.7	23.9	25.3	26.7	28.2	29.6	31.1
-48.75°	17.2	18.3	19.4	20.5	21.8	23.0	24.2	25.6	27.0	28.4	29.8
-50°	16.6	17.6	18.7	19.7	20.8	22.1	23.2	24.4	25.7	27.1	28.4
-51.25°	16.1	16.9	18.0	19.0	20.0	21.1	22.2	23.4	24.5	25.8	27.1
-52.5°	15.6	16.4	17.2	18.2	19.2	20.2	21.2	22.3	23.4	24.5	25.7
-53.75°	15.0	15.8	16.6	17.4	18.4	19.3	20.2	21.3	22.3	23.4	24.4
-55°	14.5	15.2	16.0	16.7	17.5	18.5	19.4	20.2	21.2	22.2	23.2
-56.25°	14.0	14.7	15.4	16.1	16.8	17.6	18.5	19.3	20.2	21.1	22.1
-57.5°	13.7	14.1	14.8	15.4	16.1	16.8	17.5	18.4	19.2	20.0	20.8
-58.75°	13.5	13.8	14.1	14.8	15.4	16.1	16.7	17.4	18.2	19.0	19.7
-60°	13.2	13.5	13.8	14.1	14.8	15.4	16.0	16.6	17.2	18.0	18.7
-61.25°	12.9	13.2	13.5	13.8	14.1	14.7	15.2	15.8	16.4	16.9	17.6
-62.5°	12.5	12.9	13.2	13.5	13.7	14.0	14.5	15.0	15.6	16.1	16.6
-63.75°	12.1	12.5	12.9	13.1	13.4	13.7	13.9	14.3	14.8	15.3	15.8
-65°	11.7	12.1	12.4	12.8	13.0	13.3	13.6	13.8	14.0	14.5	15.0
-66.25°	11.2	11.6	12.0	12.3	12.7	12.9	13.2	13.4	13.6	13.9	14.1
-67.5°	10.7	11.1	11.5	11.8	12.2	12.5	12.8	13.0	13.2	13.5	13.7
-68.75°	10.2	10.6	11.0	11.3	11.6	12.0	12.3	12.6	12.8	13.0	13.2
-70°	9.6	10.0	10.4	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.8
-71.25°	9.0	9.4	9.8	10.2	10.5	10.8	11.1	11.4	11.7	11.9	12.2
-72.5°	8.3	8.7	9.1	9.5	9.8	10.2	10.5	10.8	11.1	11.3	11.6
-73.75°	7.7	8.1	8.4	8.7	9.1	9.4	9.7	10.1	10.4	10.7	10.9
-75°	7.1	7.4	7.7	8.0	8.4	8.7	9.0	9.3	9.6	9.8	10.1
-76.25°	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.4	8.7	9.0	9.2
-77.5°	5.8	6.0	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.1	8.4



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.8	7.0	7.2	7.5
-80°	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5
-81.25°	3.8	4.0	4.2	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6
-82.5°	3.2	3.3	3.5	3.6	3.8	4.0	4.1	4.3	4.4	4.5	4.7
-83.75°	2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.4	3.6	3.7	3.8
-85°	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9
-86.25°	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.9	1.9	2.0	2.0
-87.5°	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3
-88.75°	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
86.25°	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6	2.7
85°	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.7	3.8
83.75°	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.8	4.9
82.5°	4.8	5.0	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.0	6.1
81.25°	5.8	5.9	6.1	6.3	6.4	6.6	6.7	6.9	7.0	7.1	7.3
80°	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.3	8.4
78.75°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.5
77.5°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.6
76.25°	9.5	9.7	10.0	10.2	10.5	10.7	10.8	11.0	11.2	11.3	11.5
75°	10.4	10.7	10.9	11.1	11.3	11.4	11.6	11.8	12.0	12.2	12.3
73.75°	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	12.9	13.0
72.5°	11.8	12.0	12.3	12.5	12.7	12.9	13.0	13.2	13.3	13.4	13.6
71.25°	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7	13.8	14.0	14.1
70°	13.0	13.2	13.4	13.5	13.7	13.9	14.0	14.3	14.6	14.9	15.2
68.75°	13.4	13.6	13.8	14.0	14.3	14.7	15.0	15.4	15.7	16.0	16.3
67.5°	13.9	14.1	14.5	14.9	15.3	15.7	16.0	16.4	16.7	17.2	17.6
66.25°	14.5	15.0	15.4	15.8	16.2	16.6	17.1	17.6	18.1	18.5	19.0
65°	15.4	15.9	16.3	16.8	17.3	17.8	18.4	18.9	19.4	19.9	20.4
63.75°	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.2	20.8	21.4	22.0
62.5°	17.2	17.9	18.5	19.1	19.8	20.4	21.0	21.7	22.4	23.0	23.6
61.25°	18.3	19.0	19.7	20.3	21.1	21.8	22.5	23.2	23.9	24.6	25.3
60°	19.4	20.1	20.9	21.7	22.5	23.2	24.0	24.7	25.6	26.4	27.2
58.75°	20.5	21.4	22.2	23.1	23.9	24.7	25.6	26.5	27.4	28.2	29.1
57.5°	21.8	22.7	23.5	24.4	25.4	26.3	27.3	28.2	29.2	30.1	31.0
56.25°	23.0	23.9	24.9	25.9	27.0	28.0	29.0	30.0	31.0	31.9	32.8
55°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.7	32.7	33.7	34.7
53.75°	25.6	26.7	27.9	29.0	30.2	31.3	32.4	33.5	34.5	35.3	36.0
52.5°	27.0	28.2	29.4	30.6	31.8	32.9	34.1	35.0	35.8	36.5	37.3
51.25°	28.4	29.6	30.9	32.1	33.4	34.6	35.4	36.2	37.0	37.8	38.5
50°	29.8	31.1	32.4	33.7	34.8	35.7	36.6	37.4	38.2	39.0	39.8
48.75°	31.1	32.5	33.9	35.0	35.9	36.8	37.7	38.6	39.4	40.3	41.1
47.5°	32.5	33.9	35.1	36.1	37.0	37.9	38.8	39.7	40.6	41.5	42.2
46.25°	33.9	35.1	36.1	37.1	38.1	39.0	40.0	40.9	41.8	42.5	43.2
45°	35.0	36.1	37.1	38.1	39.1	40.1	41.1	41.9	42.7	43.5	44.2
43.75°	35.9	37.0	38.1	39.1	40.1	41.2	42.1	42.9	43.7	44.5	45.0
42.5°	36.8	37.9	39.0	40.1	41.2	42.1	42.9	43.8	44.6	45.2	45.7
41.25°	37.7	38.8	40.0	41.1	42.1	42.9	43.8	44.6	45.3	45.9	46.5
40°	38.6	39.7	40.9	41.9	42.9	43.8	44.6	45.3	45.9	46.5	47.1
38.75°	39.4	40.6	41.8	42.7	43.7	44.6	45.3	45.9	46.6	47.2	47.8
37.5°	40.3	41.5	42.5	43.5	44.5	45.2	45.9	46.5	47.2	47.9	48.5
36.25°	41.1	42.2	43.2	44.2	45.0	45.7	46.5	47.1	47.8	48.5	49.0
35°	41.8	42.9	43.9	44.8	45.6	46.3	47.0	47.7	48.5	49.0	49.5



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	42.5	43.5	44.6	45.3	46.1	46.9	47.6	48.3	48.9	49.4	49.9
32.5°	43.1	44.2	45.1	45.9	46.6	47.4	48.2	48.8	49.3	49.8	50.2
31.25°	43.7	44.7	45.5	46.3	47.1	47.9	48.7	49.2	49.7	50.2	50.4
30°	44.3	45.2	46.0	46.8	47.6	48.4	49.1	49.6	50.1	50.4	50.6
28.75°	44.8	45.6	46.4	47.3	48.1	48.9	49.4	49.9	50.3	50.5	50.8
27.5°	45.2	46.0	46.9	47.7	48.6	49.2	49.7	50.2	50.5	50.7	51.2
26.25°	45.6	46.4	47.3	48.2	48.9	49.5	50.0	50.4	50.6	51.0	51.5
25°	45.9	46.8	47.7	48.6	49.2	49.8	50.2	50.5	50.8	51.3	51.9
23.75°	46.3	47.2	48.1	48.9	49.5	50.1	50.4	50.7	51.1	51.7	52.3
22.5°	46.6	47.5	48.5	49.1	49.7	50.2	50.5	50.8	51.4	52.0	52.8
21.25°	47.0	47.9	48.8	49.4	50.0	50.4	50.7	51.1	51.7	52.4	53.2
20°	47.3	48.2	49.0	49.6	50.2	50.5	50.8	51.4	52.0	52.8	53.7
18.75°	47.6	48.5	49.2	49.8	50.3	50.6	51.0	51.6	52.3	53.2	54.1
17.5°	47.8	48.8	49.4	50.0	50.4	50.7	51.3	51.9	52.7	53.6	54.8
16.25°	48.1	48.9	49.6	50.2	50.5	50.8	51.5	52.1	53.0	54.0	55.8
15°	48.3	49.1	49.8	50.3	50.6	51.0	51.7	52.4	53.4	54.3	56.6
13.75°	48.6	49.3	49.9	50.3	50.7	51.2	51.9	52.7	53.7	55.1	57.4
12.5°	48.7	49.4	50.1	50.4	50.8	51.4	52.0	53.0	54.0	55.8	58.2
11.25°	48.9	49.5	50.2	50.5	50.9	51.5	52.2	53.2	54.2	56.5	58.8
10°	49.0	49.7	50.2	50.6	51.0	51.7	52.4	53.4	54.7	57.1	59.7
8.75°	49.1	49.8	50.3	50.6	51.1	51.8	52.6	53.6	55.2	57.6	61.2
7.5°	49.2	49.8	50.3	50.7	51.2	51.9	52.8	53.8	55.6	58.0	62.4
6.25°	49.2	49.9	50.4	50.7	51.3	52.0	52.9	54.0	56.0	58.4	63.5
5°	49.3	50.0	50.4	50.7	51.4	52.1	53.0	54.1	56.3	58.7	64.4
3.75°	49.3	50.0	50.4	50.8	51.4	52.1	53.1	54.2	56.5	59.0	65.1
2.5°	49.4	50.1	50.4	50.8	51.5	52.2	53.2	54.2	56.7	59.2	65.6
1.25°	49.4	50.1	50.4	50.8	51.5	52.2	53.2	54.3	56.8	59.3	65.9
0°	49.4	50.1	50.5	50.8	51.5	52.2	53.3	54.3	56.8	59.3	66.0
-1.25°	49.4	50.1	50.4	50.8	51.5	52.2	53.2	54.3	56.8	59.3	65.9
-2.5°	49.4	50.1	50.4	50.8	51.5	52.2	53.2	54.2	56.7	59.2	65.6
-3.75°	49.3	50.0	50.4	50.8	51.4	52.1	53.1	54.2	56.5	59.0	65.1
-5°	49.3	50.0	50.4	50.7	51.4	52.1	53.0	54.1	56.3	58.7	64.4
-6.25°	49.2	49.9	50.4	50.7	51.3	52.0	52.9	54.0	56.0	58.4	63.5
-7.5°	49.2	49.8	50.3	50.7	51.2	51.9	52.8	53.8	55.6	58.0	62.4
-8.75°	49.1	49.8	50.3	50.6	51.1	51.8	52.6	53.6	55.2	57.6	61.2
-10°	49.0	49.7	50.2	50.6	51.0	51.7	52.4	53.4	54.7	57.1	59.7
-11.25°	48.9	49.5	50.2	50.5	50.9	51.5	52.2	53.2	54.2	56.5	58.8
-12.5°	48.7	49.4	50.1	50.4	50.8	51.4	52.0	53.0	54.0	55.8	58.2
-13.75°	48.6	49.3	49.9	50.3	50.7	51.2	51.9	52.7	53.7	55.1	57.4
-15°	48.3	49.1	49.8	50.3	50.6	51.0	51.7	52.4	53.4	54.3	56.6
-16.25°	48.1	48.9	49.6	50.2	50.5	50.8	51.5	52.1	53.0	54.0	55.8
-17.5°	47.8	48.8	49.4	50.0	50.4	50.7	51.3	51.9	52.7	53.6	54.8
-18.75°	47.6	48.5	49.2	49.8	50.3	50.6	51.0	51.6	52.3	53.2	54.1
-20°	47.3	48.2	49.0	49.6	50.2	50.5	50.8	51.4	52.0	52.8	53.7
-21.25°	47.0	47.9	48.8	49.4	50.0	50.4	50.7	51.1	51.7	52.4	53.2



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	46.6	47.5	48.5	49.1	49.7	50.2	50.5	50.8	51.4	52.0	52.8
-23.75°	46.3	47.2	48.1	48.9	49.5	50.1	50.4	50.7	51.1	51.7	52.3
-25°	45.9	46.8	47.7	48.6	49.2	49.8	50.2	50.5	50.8	51.3	51.9
-26.25°	45.6	46.4	47.3	48.2	48.9	49.5	50.0	50.4	50.6	51.0	51.5
-27.5°	45.2	46.0	46.9	47.7	48.6	49.2	49.7	50.2	50.5	50.7	51.2
-28.75°	44.8	45.6	46.4	47.3	48.1	48.9	49.4	49.9	50.3	50.5	50.8
-30°	44.3	45.2	46.0	46.8	47.6	48.4	49.1	49.6	50.1	50.4	50.6
-31.25°	43.7	44.7	45.5	46.3	47.1	47.9	48.7	49.2	49.7	50.2	50.4
-32.5°	43.1	44.2	45.1	45.9	46.6	47.4	48.2	48.8	49.3	49.8	50.2
-33.75°	42.5	43.5	44.6	45.3	46.1	46.9	47.6	48.3	48.9	49.4	49.9
-35°	41.8	42.9	43.9	44.8	45.6	46.3	47.0	47.7	48.5	49.0	49.5
-36.25°	41.1	42.2	43.2	44.2	45.0	45.7	46.5	47.1	47.8	48.5	49.0
-37.5°	40.3	41.5	42.5	43.5	44.5	45.2	45.9	46.5	47.2	47.9	48.5
-38.75°	39.4	40.6	41.8	42.7	43.7	44.6	45.3	45.9	46.6	47.2	47.8
-40°	38.6	39.7	40.9	41.9	42.9	43.8	44.6	45.3	45.9	46.5	47.1
-41.25°	37.7	38.8	40.0	41.1	42.1	42.9	43.8	44.6	45.3	45.9	46.5
-42.5°	36.8	37.9	39.0	40.1	41.2	42.1	42.9	43.8	44.6	45.2	45.7
-43.75°	35.9	37.0	38.1	39.1	40.1	41.2	42.1	42.9	43.7	44.5	45.0
-45°	35.0	36.1	37.1	38.1	39.1	40.1	41.1	41.9	42.7	43.5	44.2
-46.25°	33.9	35.1	36.1	37.1	38.1	39.0	40.0	40.9	41.8	42.5	43.2
-47.5°	32.5	33.9	35.1	36.1	37.0	37.9	38.8	39.7	40.6	41.5	42.2
-48.75°	31.1	32.5	33.9	35.0	35.9	36.8	37.7	38.6	39.4	40.3	41.1
-50°	29.8	31.1	32.4	33.7	34.8	35.7	36.6	37.4	38.2	39.0	39.8
-51.25°	28.4	29.6	30.9	32.1	33.4	34.6	35.4	36.2	37.0	37.8	38.5
-52.5°	27.0	28.2	29.4	30.6	31.8	32.9	34.1	35.0	35.8	36.5	37.3
-53.75°	25.6	26.7	27.9	29.0	30.2	31.3	32.4	33.5	34.5	35.3	36.0
-55°	24.2	25.3	26.4	27.5	28.6	29.6	30.7	31.7	32.7	33.7	34.7
-56.25°	23.0	23.9	24.9	25.9	27.0	28.0	29.0	30.0	31.0	31.9	32.8
-57.5°	21.8	22.7	23.5	24.4	25.4	26.3	27.3	28.2	29.2	30.1	31.0
-58.75°	20.5	21.4	22.2	23.1	23.9	24.7	25.6	26.5	27.4	28.2	29.1
-60°	19.4	20.1	20.9	21.7	22.5	23.2	24.0	24.7	25.6	26.4	27.2
-61.25°	18.3	19.0	19.7	20.3	21.1	21.8	22.5	23.2	23.9	24.6	25.3
-62.5°	17.2	17.9	18.5	19.1	19.8	20.4	21.0	21.7	22.4	23.0	23.6
-63.75°	16.3	16.8	17.3	17.9	18.5	19.1	19.7	20.2	20.8	21.4	22.0
-65°	15.4	15.9	16.3	16.8	17.3	17.8	18.4	18.9	19.4	19.9	20.4
-66.25°	14.5	15.0	15.4	15.8	16.2	16.6	17.1	17.6	18.1	18.5	19.0
-67.5°	13.9	14.1	14.5	14.9	15.3	15.7	16.0	16.4	16.7	17.2	17.6
-68.75°	13.4	13.6	13.8	14.0	14.3	14.7	15.0	15.4	15.7	16.0	16.3
-70°	13.0	13.2	13.4	13.5	13.7	13.9	14.0	14.3	14.6	14.9	15.2
-71.25°	12.5	12.7	12.9	13.1	13.2	13.4	13.5	13.7	13.8	14.0	14.1
-72.5°	11.8	12.0	12.3	12.5	12.7	12.9	13.0	13.2	13.3	13.4	13.6
-73.75°	11.1	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	12.9	13.0
-75°	10.4	10.7	10.9	11.1	11.3	11.4	11.6	11.8	12.0	12.2	12.3
-76.25°	9.5	9.7	10.0	10.2	10.5	10.7	10.8	11.0	11.2	11.3	11.5
-77.5°	8.6	8.8	9.0	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.6



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.5
-80°	6.7	6.9	7.1	7.3	7.5	7.6	7.8	8.0	8.1	8.3	8.4
-81.25°	5.8	5.9	6.1	6.3	6.4	6.6	6.7	6.9	7.0	7.1	7.3
-82.5°	4.8	5.0	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.0	6.1
-83.75°	3.9	4.0	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.8	4.9
-85°	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.7	3.7	3.8
-86.25°	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.6	2.6	2.7
-87.5°	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
-88.75°	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
87.5°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
86.25°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2
85°	3.9	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5
83.75°	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8
82.5°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1
81.25°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4
80°	8.6	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7
78.75°	9.7	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.8	10.9
77.5°	10.8	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9
76.25°	11.6	11.8	11.9	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.8
75°	12.5	12.6	12.8	12.9	13.0	13.0	13.1	13.2	13.3	13.4	13.4
73.75°	13.1	13.2	13.3	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.1
72.5°	13.7	13.8	13.9	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4
71.25°	14.4	14.7	14.9	15.2	15.4	15.6	15.9	16.1	16.3	16.5	16.6
70°	15.5	15.8	16.1	16.3	16.6	16.8	17.1	17.4	17.7	18.0	18.2
68.75°	16.6	17.0	17.3	17.7	18.0	18.4	18.7	19.0	19.3	19.6	19.9
67.5°	18.0	18.4	18.8	19.2	19.6	19.9	20.3	20.6	21.0	21.3	21.7
66.25°	19.4	19.9	20.3	20.7	21.2	21.6	22.1	22.5	22.9	23.2	23.6
65°	20.9	21.5	22.0	22.5	23.0	23.4	23.9	24.3	24.7	25.2	25.6
63.75°	22.6	23.1	23.7	24.2	24.7	25.3	25.9	26.4	26.9	27.4	27.9
62.5°	24.2	24.9	25.5	26.2	26.8	27.4	28.0	28.6	29.1	29.6	30.1
61.25°	26.1	26.8	27.5	28.2	28.8	29.5	30.1	30.7	31.3	31.8	32.4
60°	28.0	28.7	29.5	30.2	30.9	31.6	32.3	32.9	33.5	34.1	34.6
58.75°	29.9	30.7	31.5	32.3	33.0	33.7	34.4	34.9	35.4	35.8	36.2
57.5°	31.8	32.7	33.5	34.3	34.9	35.4	35.9	36.4	36.9	37.3	37.8
56.25°	33.7	34.6	35.2	35.8	36.4	36.9	37.4	37.9	38.4	38.9	39.3
55°	35.3	36.0	36.6	37.2	37.8	38.4	38.9	39.4	39.9	40.4	40.9
53.75°	36.7	37.3	38.0	38.6	39.2	39.8	40.4	40.9	41.5	41.9	42.3
52.5°	38.0	38.7	39.3	40.0	40.6	41.3	41.8	42.3	42.7	43.2	43.6
51.25°	39.3	40.0	40.7	41.4	42.0	42.5	43.0	43.5	44.0	44.4	44.8
50°	40.6	41.3	42.0	42.6	43.1	43.7	44.2	44.7	45.0	45.4	45.7
48.75°	41.8	42.5	43.1	43.7	44.3	44.8	45.2	45.6	45.9	46.3	46.6
47.5°	42.9	43.5	44.2	44.7	45.2	45.6	46.0	46.4	46.8	47.2	47.5
46.25°	43.9	44.6	45.1	45.5	46.0	46.4	46.9	47.3	47.7	48.1	48.5
45°	44.8	45.3	45.9	46.3	46.8	47.3	47.7	48.2	48.6	48.9	49.1
43.75°	45.6	46.1	46.6	47.1	47.6	48.1	48.6	48.9	49.2	49.5	49.7
42.5°	46.3	46.9	47.4	47.9	48.4	48.9	49.2	49.5	49.8	50.1	50.2
41.25°	47.0	47.6	48.2	48.7	49.1	49.4	49.7	50.0	50.2	50.4	50.5
40°	47.7	48.3	48.8	49.2	49.6	49.9	50.2	50.4	50.5	50.7	50.8
38.75°	48.5	48.9	49.3	49.7	50.1	50.3	50.5	50.6	50.8	51.1	51.4
37.5°	49.0	49.4	49.8	50.2	50.4	50.5	50.7	51.0	51.3	51.7	52.0
36.25°	49.5	49.9	50.2	50.4	50.6	50.8	51.2	51.5	51.9	52.3	52.8
35°	49.9	50.2	50.4	50.6	50.9	51.3	51.7	52.1	52.6	53.1	53.6



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	50.2	50.4	50.7	51.0	51.4	51.8	52.2	52.8	53.4	53.9	54.7
32.5°	50.4	50.7	51.0	51.4	51.9	52.4	53.0	53.6	54.2	55.4	56.7
31.25°	50.6	51.0	51.4	51.9	52.4	53.1	53.7	54.4	55.9	57.3	58.6
30°	50.9	51.4	51.9	52.4	53.1	53.8	54.7	56.2	57.7	59.2	62.7
28.75°	51.3	51.8	52.4	53.1	53.8	54.8	56.4	58.0	59.9	63.9	67.8
27.5°	51.7	52.2	53.0	53.7	54.7	56.4	58.1	60.4	64.7	68.8	73.1
26.25°	52.1	52.8	53.6	54.4	56.2	58.0	60.4	64.9	69.3	74.6	82.9
25°	52.6	53.4	54.2	55.9	57.7	59.9	64.7	69.3	75.1	84.0	92.6
23.75°	53.1	53.9	55.4	57.3	59.2	63.9	68.8	74.6	84.0	93.2	102.6
22.5°	53.6	54.7	56.7	58.6	62.7	67.8	73.1	82.9	92.6	102.6	113.5
21.25°	54.1	55.9	57.9	61.0	66.4	71.6	80.9	91.0	101.3	112.8	124.1
20°	55.0	57.1	59.1	64.4	69.9	77.8	88.4	98.8	110.8	122.8	135.6
18.75°	56.0	58.2	62.0	67.6	73.7	84.7	95.6	107.6	120.1	132.7	150.0
17.5°	57.0	59.2	64.9	70.7	80.0	91.3	103.0	116.0	128.9	145.4	179.2
16.25°	58.0	61.8	67.7	74.4	86.1	97.6	110.7	124.1	139.6	168.0	225.2
15°	58.9	64.3	70.3	79.9	91.7	104.2	118.0	131.9	152.6	198.7	282.5
13.75°	60.5	66.6	72.8	84.9	97.0	110.8	124.9	141.8	175.5	245.0	352.3
12.5°	62.5	68.8	77.3	89.6	102.4	116.9	131.2	153.5	205.2	299.3	427.4
11.25°	64.4	70.7	81.4	93.9	107.7	122.4	139.3	172.2	243.3	356.8	500.8
10°	66.1	72.5	85.1	97.8	112.5	127.5	146.6	190.6	284.4	417.3	577.4
8.75°	67.7	75.5	88.4	101.6	116.9	132.3	158.4	220.2	329.2	474.6	646.8
7.5°	69.0	78.3	91.3	105.2	120.6	137.8	171.2	246.2	368.6	528.2	714.1
6.25°	70.1	80.7	93.8	108.3	123.9	142.5	182.1	270.7	408.9	578.0	772.9
5°	71.0	82.6	95.8	110.9	126.5	146.3	194.1	297.1	442.8	619.2	821.6
3.75°	71.8	84.1	97.4	112.8	128.6	150.0	207.8	317.9	469.4	651.6	861.7
2.5°	72.3	85.2	98.6	114.3	130.1	154.8	217.7	332.8	488.6	677.1	890.7
1.25°	72.6	85.9	99.3	115.1	131.0	157.7	223.6	341.8	500.1	692.8	908.2
0°	72.7	86.1	99.5	115.4	131.3	158.6	225.6	344.8	504.0	698.1	914.1
-1.25°	72.6	85.9	99.3	115.1	131.0	157.7	223.6	341.8	500.1	692.8	908.2
-2.5°	72.3	85.2	98.6	114.3	130.1	154.8	217.7	332.8	488.6	677.1	890.7
-3.75°	71.8	84.1	97.4	112.8	128.6	150.0	207.8	317.9	469.4	651.6	861.7
-5°	71.0	82.6	95.8	110.9	126.5	146.3	194.1	297.1	442.8	619.2	821.6
-6.25°	70.1	80.7	93.8	108.3	123.9	142.5	182.1	270.7	408.9	578.0	772.9
-7.5°	69.0	78.3	91.3	105.2	120.6	137.8	171.2	246.2	368.6	528.2	714.1
-8.75°	67.7	75.5	88.4	101.6	116.9	132.3	158.4	220.2	329.2	474.6	646.8
-10°	66.1	72.5	85.1	97.8	112.5	127.5	146.6	190.6	284.4	417.3	577.4
-11.25°	64.4	70.7	81.4	93.9	107.7	122.4	139.3	172.2	243.3	356.8	500.8
-12.5°	62.5	68.8	77.3	89.6	102.4	116.9	131.2	153.5	205.2	299.3	427.4
-13.75°	60.5	66.6	72.8	84.9	97.0	110.8	124.9	141.8	175.5	245.0	352.3
-15°	58.9	64.3	70.3	79.9	91.7	104.2	118.0	131.9	152.6	198.7	282.5
-16.25°	58.0	61.8	67.7	74.4	86.1	97.6	110.7	124.1	139.6	168.0	225.2
-17.5°	57.0	59.2	64.9	70.7	80.0	91.3	103.0	116.0	128.9	145.4	179.2
-18.75°	56.0	58.2	62.0	67.6	73.7	84.7	95.6	107.6	120.1	132.7	150.0
-20°	55.0	57.1	59.1	64.4	69.9	77.8	88.4	98.8	110.8	122.8	135.6
-21.25°	54.1	55.9	57.9	61.0	66.4	71.6	80.9	91.0	101.3	112.8	124.1



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	53.6	54.7	56.7	58.6	62.7	67.8	73.1	82.9	92.6	102.6	113.5
-23.75°	53.1	53.9	55.4	57.3	59.2	63.9	68.8	74.6	84.0	93.2	102.6
-25°	52.6	53.4	54.2	55.9	57.7	59.9	64.7	69.3	75.1	84.0	92.6
-26.25°	52.1	52.8	53.6	54.4	56.2	58.0	60.4	64.9	69.3	74.6	82.9
-27.5°	51.7	52.2	53.0	53.7	54.7	56.4	58.1	60.4	64.7	68.8	73.1
-28.75°	51.3	51.8	52.4	53.1	53.8	54.8	56.4	58.0	59.9	63.9	67.8
-30°	50.9	51.4	51.9	52.4	53.1	53.8	54.7	56.2	57.7	59.2	62.7
-31.25°	50.6	51.0	51.4	51.9	52.4	53.1	53.7	54.4	55.9	57.3	58.6
-32.5°	50.4	50.7	51.0	51.4	51.9	52.4	53.0	53.6	54.2	55.4	56.7
-33.75°	50.2	50.4	50.7	51.0	51.4	51.8	52.2	52.8	53.4	53.9	54.7
-35°	49.9	50.2	50.4	50.6	50.9	51.3	51.7	52.1	52.6	53.1	53.6
-36.25°	49.5	49.9	50.2	50.4	50.6	50.8	51.2	51.5	51.9	52.3	52.8
-37.5°	49.0	49.4	49.8	50.2	50.4	50.5	50.7	51.0	51.3	51.7	52.0
-38.75°	48.5	48.9	49.3	49.7	50.1	50.3	50.5	50.6	50.8	51.1	51.4
-40°	47.7	48.3	48.8	49.2	49.6	49.9	50.2	50.4	50.5	50.7	50.8
-41.25°	47.0	47.6	48.2	48.7	49.1	49.4	49.7	50.0	50.2	50.4	50.5
-42.5°	46.3	46.9	47.4	47.9	48.4	48.9	49.2	49.5	49.8	50.1	50.2
-43.75°	45.6	46.1	46.6	47.1	47.6	48.1	48.6	48.9	49.2	49.5	49.7
-45°	44.8	45.3	45.9	46.3	46.8	47.3	47.7	48.2	48.6	48.9	49.1
-46.25°	43.9	44.6	45.1	45.5	46.0	46.4	46.9	47.3	47.7	48.1	48.5
-47.5°	42.9	43.5	44.2	44.7	45.2	45.6	46.0	46.4	46.8	47.2	47.5
-48.75°	41.8	42.5	43.1	43.7	44.3	44.8	45.2	45.6	45.9	46.3	46.6
-50°	40.6	41.3	42.0	42.6	43.1	43.7	44.2	44.7	45.0	45.4	45.7
-51.25°	39.3	40.0	40.7	41.4	42.0	42.5	43.0	43.5	44.0	44.4	44.8
-52.5°	38.0	38.7	39.3	40.0	40.6	41.3	41.8	42.3	42.7	43.2	43.6
-53.75°	36.7	37.3	38.0	38.6	39.2	39.8	40.4	40.9	41.5	41.9	42.3
-55°	35.3	36.0	36.6	37.2	37.8	38.4	38.9	39.4	39.9	40.4	40.9
-56.25°	33.7	34.6	35.2	35.8	36.4	36.9	37.4	37.9	38.4	38.9	39.3
-57.5°	31.8	32.7	33.5	34.3	34.9	35.4	35.9	36.4	36.9	37.3	37.8
-58.75°	29.9	30.7	31.5	32.3	33.0	33.7	34.4	34.9	35.4	35.8	36.2
-60°	28.0	28.7	29.5	30.2	30.9	31.6	32.3	32.9	33.5	34.1	34.6
-61.25°	26.1	26.8	27.5	28.2	28.8	29.5	30.1	30.7	31.3	31.8	32.4
-62.5°	24.2	24.9	25.5	26.2	26.8	27.4	28.0	28.6	29.1	29.6	30.1
-63.75°	22.6	23.1	23.7	24.2	24.7	25.3	25.9	26.4	26.9	27.4	27.9
-65°	20.9	21.5	22.0	22.5	23.0	23.4	23.9	24.3	24.7	25.2	25.6
-66.25°	19.4	19.9	20.3	20.7	21.2	21.6	22.1	22.5	22.9	23.2	23.6
-67.5°	18.0	18.4	18.8	19.2	19.6	19.9	20.3	20.6	21.0	21.3	21.7
-68.75°	16.6	17.0	17.3	17.7	18.0	18.4	18.7	19.0	19.3	19.6	19.9
-70°	15.5	15.8	16.1	16.3	16.6	16.8	17.1	17.4	17.7	18.0	18.2
-71.25°	14.4	14.7	14.9	15.2	15.4	15.6	15.9	16.1	16.3	16.5	16.6
-72.5°	13.7	13.8	13.9	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4
-73.75°	13.1	13.2	13.3	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.1
-75°	12.5	12.6	12.8	12.9	13.0	13.0	13.1	13.2	13.3	13.4	13.4
-76.25°	11.6	11.8	11.9	12.0	12.2	12.3	12.4	12.5	12.6	12.7	12.8
-77.5°	10.8	10.9	11.0	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	9.7	9.9	10.0	10.2	10.3	10.4	10.6	10.7	10.8	10.8	10.9
-80°	8.6	8.7	8.8	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7
-81.25°	7.4	7.5	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.4
-82.5°	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1
-83.75°	5.0	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8
-85°	3.9	4.0	4.0	4.1	4.1	4.2	4.3	4.3	4.4	4.4	4.5
-86.25°	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2
-87.5°	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
-88.75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
86.25°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
85°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8
83.75°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3
82.5°	7.2	7.3	7.3	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7
81.25°	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0	9.1
80°	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5
78.75°	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.5
77.5°	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6
76.25°	12.9	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.2	13.3	13.3
75°	13.5	13.6	13.6	13.7	13.8	13.8	13.9	13.9	13.9	14.0	14.0
73.75°	14.2	14.4	14.5	14.6	14.8	14.9	15.0	15.1	15.1	15.2	15.3
72.5°	15.5	15.7	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7
71.25°	16.8	17.0	17.2	17.4	17.6	17.7	17.9	18.0	18.2	18.3	18.4
70°	18.5	18.7	18.9	19.1	19.3	19.5	19.6	19.8	19.9	20.0	20.2
68.75°	20.1	20.4	20.6	20.9	21.1	21.3	21.5	21.7	21.9	22.0	22.2
67.5°	22.0	22.3	22.6	22.9	23.1	23.3	23.6	23.8	23.9	24.1	24.2
66.25°	23.9	24.3	24.6	24.9	25.2	25.5	25.7	26.0	26.2	26.4	26.6
65°	26.1	26.5	26.8	27.2	27.5	27.8	28.1	28.4	28.6	28.8	29.0
63.75°	28.3	28.7	29.1	29.5	29.9	30.2	30.5	30.8	31.0	31.2	31.4
62.5°	30.6	31.0	31.5	31.9	32.2	32.6	32.9	33.2	33.5	33.7	33.9
61.25°	32.9	33.3	33.8	34.2	34.6	34.9	35.1	35.3	35.5	35.7	35.8
60°	35.0	35.3	35.7	36.0	36.3	36.5	36.8	37.0	37.2	37.4	37.6
58.75°	36.6	36.9	37.3	37.6	37.9	38.2	38.5	38.7	38.9	39.1	39.3
57.5°	38.2	38.6	38.9	39.3	39.6	39.9	40.1	40.4	40.6	40.8	41.0
56.25°	39.8	40.2	40.5	40.9	41.2	41.5	41.8	42.0	42.2	42.4	42.5
55°	41.3	41.7	42.1	42.4	42.7	42.9	43.2	43.4	43.6	43.8	44.0
53.75°	42.7	43.1	43.4	43.7	44.0	44.3	44.5	44.7	44.9	45.0	45.1
52.5°	44.0	44.4	44.7	44.9	45.1	45.4	45.6	45.7	45.9	46.0	46.2
51.25°	45.1	45.4	45.6	45.9	46.1	46.3	46.6	46.7	46.9	47.1	47.2
50°	46.0	46.3	46.6	46.9	47.1	47.3	47.6	47.8	47.9	48.1	48.2
48.75°	47.0	47.3	47.6	47.8	48.1	48.3	48.6	48.7	48.9	49.0	49.1
47.5°	47.9	48.2	48.5	48.8	48.9	49.1	49.3	49.4	49.5	49.7	49.8
46.25°	48.8	49.0	49.2	49.4	49.6	49.8	49.9	50.1	50.2	50.2	50.3
45°	49.4	49.6	49.8	50.0	50.2	50.3	50.3	50.4	50.5	50.6	50.6
43.75°	50.0	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1
42.5°	50.4	50.5	50.6	50.7	50.8	51.0	51.2	51.4	51.5	51.7	51.8
41.25°	50.7	50.8	51.0	51.3	51.5	51.7	51.9	52.0	52.2	52.4	52.6
40°	51.1	51.4	51.6	51.9	52.1	52.4	52.7	53.0	53.2	53.4	53.6
38.75°	51.7	52.0	52.3	52.7	53.0	53.4	53.7	54.0	54.2	54.7	55.2
37.5°	52.4	52.8	53.2	53.6	54.0	54.3	55.1	55.8	56.5	57.1	57.6
36.25°	53.2	53.7	54.1	54.8	55.8	56.6	57.4	58.2	58.8	59.7	61.2
35°	54.1	55.0	56.0	57.0	58.0	58.9	60.5	62.5	64.4	66.1	67.7



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	55.9	57.1	58.2	59.2	61.8	64.3	66.6	68.8	70.7	72.5	75.5
32.5°	57.9	59.1	62.0	64.9	67.7	70.3	72.8	77.3	81.4	85.1	88.4
31.25°	61.0	64.4	67.6	70.7	74.4	79.9	84.9	89.6	93.9	97.8	101.6
30°	66.4	69.9	73.7	80.0	86.1	91.7	97.0	102.4	107.7	112.5	116.9
28.75°	71.6	77.8	84.7	91.3	97.6	104.2	110.8	116.9	122.4	127.5	132.3
27.5°	80.9	88.4	95.6	103.0	110.7	118.0	124.9	131.2	139.3	146.6	158.4
26.25°	91.0	98.8	107.6	116.0	124.1	131.9	141.8	153.5	172.2	190.6	220.2
25°	101.3	110.8	120.1	128.9	139.6	152.6	175.5	205.2	243.3	284.4	329.2
23.75°	112.8	122.8	132.7	145.4	168.0	198.7	245.0	299.3	356.8	417.3	474.6
22.5°	124.1	135.6	150.0	179.2	225.2	282.5	352.3	427.4	500.8	577.4	646.8
21.25°	136.6	154.3	185.9	243.1	315.4	397.2	486.0	578.9	668.9	759.6	842.2
20°	154.3	188.5	252.1	335.4	430.4	532.2	639.0	749.1	854.7	955.2	1045.0
18.75°	185.9	252.1	342.1	447.1	561.8	682.5	807.5	930.2	1044.4	1147.9	1237.3
17.5°	243.1	335.4	447.1	571.8	705.4	843.8	981.3	1108.6	1223.7	1325.7	1422.6
16.25°	315.4	430.4	561.8	705.4	856.3	1007.1	1147.7	1273.9	1393.2	1506.8	1613.8
15°	397.2	532.2	682.5	843.8	1007.1	1160.9	1299.3	1434.7	1566.0	1690.6	1807.0
13.75°	486.0	639.0	807.5	981.3	1147.7	1299.3	1448.7	1596.1	1738.4	1873.0	1993.1
12.5°	578.9	749.1	930.2	1108.6	1273.9	1434.7	1596.1	1754.6	1905.6	2044.0	2166.2
11.25°	668.9	854.7	1044.4	1223.7	1393.2	1566.0	1738.4	1905.6	2060.4	2200.7	2323.2
10°	759.6	955.2	1147.9	1325.7	1506.8	1690.6	1873.0	2044.0	2200.7	2340.4	2463.6
8.75°	842.2	1045.0	1237.3	1422.6	1613.8	1807.0	1993.1	2166.2	2323.2	2463.6	2589.8
7.5°	918.2	1123.5	1315.0	1509.6	1710.1	1909.9	2098.5	2272.3	2429.7	2572.4	2700.2
6.25°	983.6	1190.2	1384.5	1587.5	1795.2	1998.4	2189.2	2363.5	2521.3	2666.1	2795.8
5°	1037.1	1242.8	1443.4	1652.7	1866.5	2071.2	2261.8	2436.3	2596.9	2742.7	2877.2
3.75°	1078.8	1284.2	1490.0	1704.7	1921.4	2127.7	2319.3	2494.8	2656.5	2803.8	2940.7
2.5°	1108.9	1314.2	1524.2	1742.9	1961.3	2168.8	2361.0	2535.9	2698.3	2848.5	2988.0
1.25°	1127.1	1332.2	1545.3	1766.0	1985.5	2193.8	2384.8	2560.9	2723.9	2876.1	3015.2
0°	1133.2	1338.3	1552.3	1773.8	1993.6	2202.2	2392.8	2569.3	2732.5	2885.5	3024.0
-1.25°	1127.1	1332.2	1545.3	1766.0	1985.5	2193.8	2384.8	2560.9	2723.9	2876.1	3015.2
-2.5°	1108.9	1314.2	1524.2	1742.9	1961.3	2168.8	2361.0	2535.9	2698.3	2848.5	2988.0
-3.75°	1078.8	1284.2	1490.0	1704.7	1921.4	2127.7	2319.3	2494.8	2656.5	2803.8	2940.7
-5°	1037.1	1242.8	1443.4	1652.7	1866.5	2071.2	2261.8	2436.3	2596.9	2742.7	2877.2
-6.25°	983.6	1190.2	1384.5	1587.5	1795.2	1998.4	2189.2	2363.5	2521.3	2666.1	2795.8
-7.5°	918.2	1123.5	1315.0	1509.6	1710.1	1909.9	2098.5	2272.3	2429.7	2572.4	2700.2
-8.75°	842.2	1045.0	1237.3	1422.6	1613.8	1807.0	1993.1	2166.2	2323.2	2463.6	2589.8
-10°	759.6	955.2	1147.9	1325.7	1506.8	1690.6	1873.0	2044.0	2200.7	2340.4	2463.6
-11.25°	668.9	854.7	1044.4	1223.7	1393.2	1566.0	1738.4	1905.6	2060.4	2200.7	2323.2
-12.5°	578.9	749.1	930.2	1108.6	1273.9	1434.7	1596.1	1754.6	1905.6	2044.0	2166.2
-13.75°	486.0	639.0	807.5	981.3	1147.7	1299.3	1448.7	1596.1	1738.4	1873.0	1993.1
-15°	397.2	532.2	682.5	843.8	1007.1	1160.9	1299.3	1434.7	1566.0	1690.6	1807.0
-16.25°	315.4	430.4	561.8	705.4	856.3	1007.1	1147.7	1273.9	1393.2	1506.8	1613.8
-17.5°	243.1	335.4	447.1	571.8	705.4	843.8	981.3	1108.6	1223.7	1325.7	1422.6
-18.75°	185.9	252.1	342.1	447.1	561.8	682.5	807.5	930.2	1044.4	1147.9	1237.3
-20°	154.3	188.5	252.1	335.4	430.4	532.2	639.0	749.1	854.7	955.2	1045.0
-21.25°	136.6	154.3	185.9	243.1	315.4	397.2	486.0	578.9	668.9	759.6	842.2



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	124.1	135.6	150.0	179.2	225.2	282.5	352.3	427.4	500.8	577.4	646.8
-23.75°	112.8	122.8	132.7	145.4	168.0	198.7	245.0	299.3	356.8	417.3	474.6
-25°	101.3	110.8	120.1	128.9	139.6	152.6	175.5	205.2	243.3	284.4	329.2
-26.25°	91.0	98.8	107.6	116.0	124.1	131.9	141.8	153.5	172.2	190.6	220.2
-27.5°	80.9	88.4	95.6	103.0	110.7	118.0	124.9	131.2	139.3	146.6	158.4
-28.75°	71.6	77.8	84.7	91.3	97.6	104.2	110.8	116.9	122.4	127.5	132.3
-30°	66.4	69.9	73.7	80.0	86.1	91.7	97.0	102.4	107.7	112.5	116.9
-31.25°	61.0	64.4	67.6	70.7	74.4	79.9	84.9	89.6	93.9	97.8	101.6
-32.5°	57.9	59.1	62.0	64.9	67.7	70.3	72.8	77.3	81.4	85.1	88.4
-33.75°	55.9	57.1	58.2	59.2	61.8	64.3	66.6	68.8	70.7	72.5	75.5
-35°	54.1	55.0	56.0	57.0	58.0	58.9	60.5	62.5	64.4	66.1	67.7
-36.25°	53.2	53.7	54.1	54.8	55.8	56.6	57.4	58.2	58.8	59.7	61.2
-37.5°	52.4	52.8	53.2	53.6	54.0	54.3	55.1	55.8	56.5	57.1	57.6
-38.75°	51.7	52.0	52.3	52.7	53.0	53.4	53.7	54.0	54.2	54.7	55.2
-40°	51.1	51.4	51.6	51.9	52.1	52.4	52.7	53.0	53.2	53.4	53.6
-41.25°	50.7	50.8	51.0	51.3	51.5	51.7	51.9	52.0	52.2	52.4	52.6
-42.5°	50.4	50.5	50.6	50.7	50.8	51.0	51.2	51.4	51.5	51.7	51.8
-43.75°	50.0	50.2	50.3	50.4	50.5	50.6	50.7	50.8	50.9	51.0	51.1
-45°	49.4	49.6	49.8	50.0	50.2	50.3	50.3	50.4	50.5	50.6	50.6
-46.25°	48.8	49.0	49.2	49.4	49.6	49.8	49.9	50.1	50.2	50.2	50.3
-47.5°	47.9	48.2	48.5	48.8	48.9	49.1	49.3	49.4	49.5	49.7	49.8
-48.75°	47.0	47.3	47.6	47.8	48.1	48.3	48.6	48.7	48.9	49.0	49.1
-50°	46.0	46.3	46.6	46.9	47.1	47.3	47.6	47.8	47.9	48.1	48.2
-51.25°	45.1	45.4	45.6	45.9	46.1	46.3	46.6	46.7	46.9	47.1	47.2
-52.5°	44.0	44.4	44.7	44.9	45.1	45.4	45.6	45.7	45.9	46.0	46.2
-53.75°	42.7	43.1	43.4	43.7	44.0	44.3	44.5	44.7	44.9	45.0	45.1
-55°	41.3	41.7	42.1	42.4	42.7	42.9	43.2	43.4	43.6	43.8	44.0
-56.25°	39.8	40.2	40.5	40.9	41.2	41.5	41.8	42.0	42.2	42.4	42.5
-57.5°	38.2	38.6	38.9	39.3	39.6	39.9	40.1	40.4	40.6	40.8	41.0
-58.75°	36.6	36.9	37.3	37.6	37.9	38.2	38.5	38.7	38.9	39.1	39.3
-60°	35.0	35.3	35.7	36.0	36.3	36.5	36.8	37.0	37.2	37.4	37.6
-61.25°	32.9	33.3	33.8	34.2	34.6	34.9	35.1	35.3	35.5	35.7	35.8
-62.5°	30.6	31.0	31.5	31.9	32.2	32.6	32.9	33.2	33.5	33.7	33.9
-63.75°	28.3	28.7	29.1	29.5	29.9	30.2	30.5	30.8	31.0	31.2	31.4
-65°	26.1	26.5	26.8	27.2	27.5	27.8	28.1	28.4	28.6	28.8	29.0
-66.25°	23.9	24.3	24.6	24.9	25.2	25.5	25.7	26.0	26.2	26.4	26.6
-67.5°	22.0	22.3	22.6	22.9	23.1	23.3	23.6	23.8	23.9	24.1	24.2
-68.75°	20.1	20.4	20.6	20.9	21.1	21.3	21.5	21.7	21.9	22.0	22.2
-70°	18.5	18.7	18.9	19.1	19.3	19.5	19.6	19.8	19.9	20.0	20.2
-71.25°	16.8	17.0	17.2	17.4	17.6	17.7	17.9	18.0	18.2	18.3	18.4
-72.5°	15.5	15.7	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7
-73.75°	14.2	14.4	14.5	14.6	14.8	14.9	15.0	15.1	15.1	15.2	15.3
-75°	13.5	13.6	13.6	13.7	13.8	13.8	13.9	13.9	13.9	14.0	14.0
-76.25°	12.9	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.2	13.3	13.3
-77.5°	12.0	12.1	12.1	12.2	12.3	12.3	12.4	12.4	12.5	12.5	12.6



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	11.0	11.1	11.1	11.2	11.3	11.3	11.4	11.4	11.5	11.5	11.5
-80°	9.8	9.9	10.0	10.1	10.1	10.2	10.3	10.3	10.4	10.4	10.5
-81.25°	8.5	8.6	8.7	8.7	8.8	8.9	8.9	9.0	9.0	9.0	9.1
-82.5°	7.2	7.3	7.3	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7
-83.75°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.3
-85°	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8	4.8
-86.25°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.5
-87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
83.75°	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3
82.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
81.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
78.75°	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.6	11.6	11.6	11.6
77.5°	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7
76.25°	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
75°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
73.75°	15.3	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
72.5°	16.7	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.8
71.25°	18.5	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.6	18.6
70°	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4
68.75°	22.3	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
67.5°	24.4	24.5	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.5
66.25°	26.7	26.9	27.0	27.0	27.1	27.1	27.2	27.1	27.1	27.0	27.0
65°	29.2	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.5	29.4
63.75°	31.6	31.8	31.9	32.0	32.0	32.1	32.1	32.1	32.0	32.0	31.9
62.5°	34.1	34.2	34.4	34.5	34.5	34.6	34.6	34.6	34.5	34.5	34.4
61.25°	36.0	36.1	36.2	36.3	36.3	36.3	36.4	36.3	36.3	36.3	36.2
60°	37.7	37.8	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.0	37.9
58.75°	39.4	39.6	39.7	39.7	39.8	39.8	39.9	39.8	39.8	39.7	39.7
57.5°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
56.25°	42.7	42.8	42.9	43.0	43.0	43.0	43.1	43.0	43.0	43.0	42.9
55°	44.1	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.3
53.75°	45.2	45.3	45.4	45.5	45.5	45.5	45.6	45.5	45.5	45.5	45.4
52.5°	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.5	46.5
51.25°	47.3	47.4	47.5	47.6	47.6	47.6	47.7	47.6	47.6	47.6	47.5
50°	48.4	48.5	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.5
48.75°	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.3	49.3
47.5°	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.0	50.0
46.25°	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.4	50.4	50.4	50.4
45°	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.7
43.75°	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.4
42.5°	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.1	52.1
41.25°	52.8	52.9	53.0	53.1	53.2	53.2	53.3	53.2	53.2	53.1	53.0
40°	53.8	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
38.75°	55.6	56.0	56.3	56.5	56.7	56.8	56.8	56.8	56.7	56.5	56.3
37.5°	58.0	58.4	58.7	59.0	59.2	59.3	59.3	59.3	59.2	59.0	58.7
36.25°	62.4	63.5	64.4	65.1	65.6	65.9	66.0	65.9	65.6	65.1	64.4
35°	69.0	70.1	71.0	71.8	72.3	72.6	72.7	72.6	72.3	71.8	71.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	78.3	80.7	82.6	84.1	85.2	85.9	86.1	85.9	85.2	84.1	82.6
32.5°	91.3	93.8	95.8	97.4	98.6	99.3	99.5	99.3	98.6	97.4	95.8
31.25°	105.2	108.3	110.9	112.8	114.3	115.1	115.4	115.1	114.3	112.8	110.9
30°	120.6	123.9	126.5	128.6	130.1	131.0	131.3	131.0	130.1	128.6	126.5
28.75°	137.8	142.5	146.3	150.0	154.8	157.7	158.6	157.7	154.8	150.0	146.3
27.5°	171.2	182.1	194.1	207.8	217.7	223.6	225.6	223.6	217.7	207.8	194.1
26.25°	246.2	270.7	297.1	317.9	332.8	341.8	344.8	341.8	332.8	317.9	297.1
25°	368.6	408.9	442.8	469.4	488.6	500.1	504.0	500.1	488.6	469.4	442.8
23.75°	528.2	578.0	619.2	651.6	677.1	692.8	698.1	692.8	677.1	651.6	619.2
22.5°	714.1	772.9	821.6	861.7	890.7	908.2	914.1	908.2	890.7	861.7	821.6
21.25°	918.2	983.6	1037.1	1078.8	1108.9	1127.1	1133.2	1127.1	1108.9	1078.8	1037.1
20°	1123.5	1190.2	1242.8	1284.2	1314.2	1332.2	1338.3	1332.2	1314.2	1284.2	1242.8
18.75°	1315.0	1384.5	1443.4	1490.0	1524.2	1545.3	1552.3	1545.3	1524.2	1490.0	1443.4
17.5°	1509.6	1587.5	1652.7	1704.7	1742.9	1766.0	1773.8	1766.0	1742.9	1704.7	1652.7
16.25°	1710.1	1795.2	1866.5	1921.4	1961.3	1985.5	1993.6	1985.5	1961.3	1921.4	1866.5
15°	1909.9	1998.4	2071.2	2127.7	2168.8	2193.8	2202.2	2193.8	2168.8	2127.7	2071.2
13.75°	2098.5	2189.2	2261.8	2319.3	2361.0	2384.8	2392.8	2384.8	2361.0	2319.3	2261.8
12.5°	2272.3	2363.5	2436.3	2494.8	2535.9	2560.9	2569.3	2560.9	2535.9	2494.8	2436.3
11.25°	2429.7	2521.3	2596.9	2656.5	2698.3	2723.9	2732.5	2723.9	2698.3	2656.5	2596.9
10°	2572.4	2666.1	2742.7	2803.8	2848.5	2876.1	2885.5	2876.1	2848.5	2803.8	2742.7
8.75°	2700.2	2795.8	2877.2	2940.7	2988.0	3015.2	3024.0	3015.2	2988.0	2940.7	2877.2
7.5°	2813.7	2913.7	2998.4	3060.7	3107.1	3133.7	3142.8	3133.7	3107.1	3060.7	2998.4
6.25°	2913.7	3016.0	3098.8	3161.7	3205.6	3230.2	3238.7	3230.2	3205.6	3161.7	3098.8
5°	2998.4	3098.8	3181.0	3238.9	3277.8	3300.9	3309.0	3300.9	3277.8	3238.9	3181.0
3.75°	3060.7	3161.7	3238.9	3293.0	3328.5	3349.6	3354.3	3349.6	3328.5	3293.0	3238.9
2.5°	3107.1	3205.6	3277.8	3328.5	3359.3	3373.8	3376.8	3373.8	3359.3	3328.5	3277.8
1.25°	3133.7	3230.2	3300.9	3349.6	3373.8	3384.2	3389.7	3384.2	3373.8	3349.6	3300.9
0°	3142.8	3238.7	3309.0	3354.3	3376.8	3389.7	3402.1	3389.7	3376.8	3354.3	3309.0
-1.25°	3133.7	3230.2	3300.9	3349.6	3373.8	3384.2	3389.7	3384.2	3373.8	3349.6	3300.9
-2.5°	3107.1	3205.6	3277.8	3328.5	3359.3	3373.8	3376.8	3373.8	3359.3	3328.5	3277.8
-3.75°	3060.7	3161.7	3238.9	3293.0	3328.5	3349.6	3354.3	3349.6	3328.5	3293.0	3238.9
-5°	2998.4	3098.8	3181.0	3238.9	3277.8	3300.9	3309.0	3300.9	3277.8	3238.9	3181.0
-6.25°	2913.7	3016.0	3098.8	3161.7	3205.6	3230.2	3238.7	3230.2	3205.6	3161.7	3098.8
-7.5°	2813.7	2913.7	2998.4	3060.7	3107.1	3133.7	3142.8	3133.7	3107.1	3060.7	2998.4
-8.75°	2700.2	2795.8	2877.2	2940.7	2988.0	3015.2	3024.0	3015.2	2988.0	2940.7	2877.2
-10°	2572.4	2666.1	2742.7	2803.8	2848.5	2876.1	2885.5	2876.1	2848.5	2803.8	2742.7
-11.25°	2429.7	2521.3	2596.9	2656.5	2698.3	2723.9	2732.5	2723.9	2698.3	2656.5	2596.9
-12.5°	2272.3	2363.5	2436.3	2494.8	2535.9	2560.9	2569.3	2560.9	2535.9	2494.8	2436.3
-13.75°	2098.5	2189.2	2261.8	2319.3	2361.0	2384.8	2392.8	2384.8	2361.0	2319.3	2261.8
-15°	1909.9	1998.4	2071.2	2127.7	2168.8	2193.8	2202.2	2193.8	2168.8	2127.7	2071.2
-16.25°	1710.1	1795.2	1866.5	1921.4	1961.3	1985.5	1993.6	1985.5	1961.3	1921.4	1866.5
-17.5°	1509.6	1587.5	1652.7	1704.7	1742.9	1766.0	1773.8	1766.0	1742.9	1704.7	1652.7
-18.75°	1315.0	1384.5	1443.4	1490.0	1524.2	1545.3	1552.3	1545.3	1524.2	1490.0	1443.4
-20°	1123.5	1190.2	1242.8	1284.2	1314.2	1332.2	1338.3	1332.2	1314.2	1284.2	1242.8
-21.25°	918.2	983.6	1037.1	1078.8	1108.9	1127.1	1133.2	1127.1	1108.9	1078.8	1037.1



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	714.1	772.9	821.6	861.7	890.7	908.2	914.1	908.2	890.7	861.7	821.6
-23.75°	528.2	578.0	619.2	651.6	677.1	692.8	698.1	692.8	677.1	651.6	619.2
-25°	368.6	408.9	442.8	469.4	488.6	500.1	504.0	500.1	488.6	469.4	442.8
-26.25°	246.2	270.7	297.1	317.9	332.8	341.8	344.8	341.8	332.8	317.9	297.1
-27.5°	171.2	182.1	194.1	207.8	217.7	223.6	225.6	223.6	217.7	207.8	194.1
-28.75°	137.8	142.5	146.3	150.0	154.8	157.7	158.6	157.7	154.8	150.0	146.3
-30°	120.6	123.9	126.5	128.6	130.1	131.0	131.3	131.0	130.1	128.6	126.5
-31.25°	105.2	108.3	110.9	112.8	114.3	115.1	115.4	115.1	114.3	112.8	110.9
-32.5°	91.3	93.8	95.8	97.4	98.6	99.3	99.5	99.3	98.6	97.4	95.8
-33.75°	78.3	80.7	82.6	84.1	85.2	85.9	86.1	85.9	85.2	84.1	82.6
-35°	69.0	70.1	71.0	71.8	72.3	72.6	72.7	72.6	72.3	71.8	71.0
-36.25°	62.4	63.5	64.4	65.1	65.6	65.9	66.0	65.9	65.6	65.1	64.4
-37.5°	58.0	58.4	58.7	59.0	59.2	59.3	59.3	59.3	59.2	59.0	58.7
-38.75°	55.6	56.0	56.3	56.5	56.7	56.8	56.8	56.8	56.7	56.5	56.3
-40°	53.8	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
-41.25°	52.8	52.9	53.0	53.1	53.2	53.2	53.3	53.2	53.2	53.1	53.0
-42.5°	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.1	52.1
-43.75°	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.4	51.4
-45°	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.7
-46.25°	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.4	50.4	50.4	50.4
-47.5°	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.0	50.0
-48.75°	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.3	49.3
-50°	48.4	48.5	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.5
-51.25°	47.3	47.4	47.5	47.6	47.6	47.6	47.7	47.6	47.6	47.6	47.5
-52.5°	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.5	46.5
-53.75°	45.2	45.3	45.4	45.5	45.5	45.5	45.6	45.5	45.5	45.5	45.4
-55°	44.1	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.4	44.3
-56.25°	42.7	42.8	42.9	43.0	43.0	43.0	43.1	43.0	43.0	43.0	42.9
-57.5°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
-58.75°	39.4	39.6	39.7	39.7	39.8	39.8	39.9	39.8	39.8	39.7	39.7
-60°	37.7	37.8	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.0	37.9
-61.25°	36.0	36.1	36.2	36.3	36.3	36.3	36.4	36.3	36.3	36.3	36.2
-62.5°	34.1	34.2	34.4	34.5	34.5	34.6	34.6	34.6	34.5	34.5	34.4
-63.75°	31.6	31.8	31.9	32.0	32.0	32.1	32.1	32.1	32.0	32.0	31.9
-65°	29.2	29.3	29.4	29.5	29.6	29.6	29.6	29.6	29.6	29.5	29.4
-66.25°	26.7	26.9	27.0	27.0	27.1	27.1	27.2	27.1	27.1	27.0	27.0
-67.5°	24.4	24.5	24.5	24.6	24.7	24.7	24.7	24.7	24.7	24.6	24.5
-68.75°	22.3	22.4	22.5	22.5	22.6	22.6	22.6	22.6	22.6	22.5	22.5
-70°	20.2	20.3	20.4	20.4	20.5	20.5	20.5	20.5	20.5	20.4	20.4
-71.25°	18.5	18.5	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.6	18.6
-72.5°	16.7	16.8	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.8
-73.75°	15.3	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
-75°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
-76.25°	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
-77.5°	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7	12.7



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	11.6	11.6	11.6	11.6	11.6	11.6	11.7	11.6	11.6	11.6	11.6
-80°	10.5	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
-81.25°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-82.5°	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
-83.75°	6.3	6.3	6.3	6.3	6.3	6.3	6.4	6.3	6.3	6.3	6.3
-85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
-86.25°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
85°	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
83.75°	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
82.5°	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.4	7.3
81.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7
80°	10.5	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0
78.75°	11.6	11.6	11.5	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1
77.5°	12.6	12.6	12.6	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1
76.25°	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.1	13.1	13.0	13.0
75°	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.7	13.6
73.75°	15.4	15.3	15.3	15.2	15.1	15.1	15.0	14.9	14.8	14.6	14.5
72.5°	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.8
71.25°	18.5	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.6	17.4	17.2
70°	20.3	20.2	20.2	20.0	19.9	19.8	19.6	19.5	19.3	19.1	18.9
68.75°	22.4	22.3	22.2	22.0	21.9	21.7	21.5	21.3	21.1	20.9	20.6
67.5°	24.5	24.4	24.2	24.1	23.9	23.8	23.6	23.3	23.1	22.9	22.6
66.25°	26.9	26.7	26.6	26.4	26.2	26.0	25.7	25.5	25.2	24.9	24.6
65°	29.3	29.2	29.0	28.8	28.6	28.4	28.1	27.8	27.5	27.2	26.8
63.75°	31.8	31.6	31.4	31.2	31.0	30.8	30.5	30.2	29.9	29.5	29.1
62.5°	34.2	34.1	33.9	33.7	33.5	33.2	32.9	32.6	32.2	31.9	31.5
61.25°	36.1	36.0	35.8	35.7	35.5	35.3	35.1	34.9	34.6	34.2	33.8
60°	37.8	37.7	37.6	37.4	37.2	37.0	36.8	36.5	36.3	36.0	35.7
58.75°	39.6	39.4	39.3	39.1	38.9	38.7	38.5	38.2	37.9	37.6	37.3
57.5°	41.3	41.2	41.0	40.8	40.6	40.4	40.1	39.9	39.6	39.3	38.9
56.25°	42.8	42.7	42.5	42.4	42.2	42.0	41.8	41.5	41.2	40.9	40.5
55°	44.2	44.1	44.0	43.8	43.6	43.4	43.2	42.9	42.7	42.4	42.1
53.75°	45.3	45.2	45.1	45.0	44.9	44.7	44.5	44.3	44.0	43.7	43.4
52.5°	46.4	46.3	46.2	46.0	45.9	45.7	45.6	45.4	45.1	44.9	44.7
51.25°	47.4	47.3	47.2	47.1	46.9	46.7	46.6	46.3	46.1	45.9	45.6
50°	48.5	48.4	48.2	48.1	47.9	47.8	47.6	47.3	47.1	46.9	46.6
48.75°	49.2	49.2	49.1	49.0	48.9	48.7	48.6	48.3	48.1	47.8	47.6
47.5°	49.9	49.8	49.8	49.7	49.5	49.4	49.3	49.1	48.9	48.8	48.5
46.25°	50.4	50.3	50.3	50.2	50.2	50.1	49.9	49.8	49.6	49.4	49.2
45°	50.7	50.7	50.6	50.6	50.5	50.4	50.3	50.3	50.2	50.0	49.8
43.75°	51.3	51.2	51.1	51.0	50.9	50.8	50.7	50.6	50.5	50.4	50.3
42.5°	52.0	51.9	51.8	51.7	51.5	51.4	51.2	51.0	50.8	50.7	50.6
41.25°	52.9	52.8	52.6	52.4	52.2	52.0	51.9	51.7	51.5	51.3	51.0
40°	54.0	53.8	53.6	53.4	53.2	53.0	52.7	52.4	52.1	51.9	51.6
38.75°	56.0	55.6	55.2	54.7	54.2	54.0	53.7	53.4	53.0	52.7	52.3
37.5°	58.4	58.0	57.6	57.1	56.5	55.8	55.1	54.3	54.0	53.6	53.2
36.25°	63.5	62.4	61.2	59.7	58.8	58.2	57.4	56.6	55.8	54.8	54.1
35°	70.1	69.0	67.7	66.1	64.4	62.5	60.5	58.9	58.0	57.0	56.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	80.7	78.3	75.5	72.5	70.7	68.8	66.6	64.3	61.8	59.2	58.2
32.5°	93.8	91.3	88.4	85.1	81.4	77.3	72.8	70.3	67.7	64.9	62.0
31.25°	108.3	105.2	101.6	97.8	93.9	89.6	84.9	79.9	74.4	70.7	67.6
30°	123.9	120.6	116.9	112.5	107.7	102.4	97.0	91.7	86.1	80.0	73.7
28.75°	142.5	137.8	132.3	127.5	122.4	116.9	110.8	104.2	97.6	91.3	84.7
27.5°	182.1	171.2	158.4	146.6	139.3	131.2	124.9	118.0	110.7	103.0	95.6
26.25°	270.7	246.2	220.2	190.6	172.2	153.5	141.8	131.9	124.1	116.0	107.6
25°	408.9	368.6	329.2	284.4	243.3	205.2	175.5	152.6	139.6	128.9	120.1
23.75°	578.0	528.2	474.6	417.3	356.8	299.3	245.0	198.7	168.0	145.4	132.7
22.5°	772.9	714.1	646.8	577.4	500.8	427.4	352.3	282.5	225.2	179.2	150.0
21.25°	983.6	918.2	842.2	759.6	668.9	578.9	486.0	397.2	315.4	243.1	185.9
20°	1190.2	1123.5	1045.0	955.2	854.7	749.1	639.0	532.2	430.4	335.4	252.1
18.75°	1384.5	1315.0	1237.3	1147.9	1044.4	930.2	807.5	682.5	561.8	447.1	342.1
17.5°	1587.5	1509.6	1422.6	1325.7	1223.7	1108.6	981.3	843.8	705.4	571.8	447.1
16.25°	1795.2	1710.1	1613.8	1506.8	1393.2	1273.9	1147.7	1007.1	856.3	705.4	561.8
15°	1998.4	1909.9	1807.0	1690.6	1566.0	1434.7	1299.3	1160.9	1007.1	843.8	682.5
13.75°	2189.2	2098.5	1993.1	1873.0	1738.4	1596.1	1448.7	1299.3	1147.7	981.3	807.5
12.5°	2363.5	2272.3	2166.2	2044.0	1905.6	1754.6	1596.1	1434.7	1273.9	1108.6	930.2
11.25°	2521.3	2429.7	2323.2	2200.7	2060.4	1905.6	1738.4	1566.0	1393.2	1223.7	1044.4
10°	2666.1	2572.4	2463.6	2340.4	2200.7	2044.0	1873.0	1690.6	1506.8	1325.7	1147.9
8.75°	2795.8	2700.2	2589.8	2463.6	2323.2	2166.2	1993.1	1807.0	1613.8	1422.6	1237.3
7.5°	2913.7	2813.7	2700.2	2572.4	2429.7	2272.3	2098.5	1909.9	1710.1	1509.6	1315.0
6.25°	3016.0	2913.7	2795.8	2666.1	2521.3	2363.5	2189.2	1998.4	1795.2	1587.5	1384.5
5°	3098.8	2998.4	2877.2	2742.7	2596.9	2436.3	2261.8	2071.2	1866.5	1652.7	1443.4
3.75°	3161.7	3060.7	2940.7	2803.8	2656.5	2494.8	2319.3	2127.7	1921.4	1704.7	1490.0
2.5°	3205.6	3107.1	2988.0	2848.5	2698.3	2535.9	2361.0	2168.8	1961.3	1742.9	1524.2
1.25°	3230.2	3133.7	3015.2	2876.1	2723.9	2560.9	2384.8	2193.8	1985.5	1766.0	1545.3
0°	3238.7	3142.8	3024.0	2885.5	2732.5	2569.3	2392.8	2202.2	1993.6	1773.8	1552.3
-1.25°	3230.2	3133.7	3015.2	2876.1	2723.9	2560.9	2384.8	2193.8	1985.5	1766.0	1545.3
-2.5°	3205.6	3107.1	2988.0	2848.5	2698.3	2535.9	2361.0	2168.8	1961.3	1742.9	1524.2
-3.75°	3161.7	3060.7	2940.7	2803.8	2656.5	2494.8	2319.3	2127.7	1921.4	1704.7	1490.0
-5°	3098.8	2998.4	2877.2	2742.7	2596.9	2436.3	2261.8	2071.2	1866.5	1652.7	1443.4
-6.25°	3016.0	2913.7	2795.8	2666.1	2521.3	2363.5	2189.2	1998.4	1795.2	1587.5	1384.5
-7.5°	2913.7	2813.7	2700.2	2572.4	2429.7	2272.3	2098.5	1909.9	1710.1	1509.6	1315.0
-8.75°	2795.8	2700.2	2589.8	2463.6	2323.2	2166.2	1993.1	1807.0	1613.8	1422.6	1237.3
-10°	2666.1	2572.4	2463.6	2340.4	2200.7	2044.0	1873.0	1690.6	1506.8	1325.7	1147.9
-11.25°	2521.3	2429.7	2323.2	2200.7	2060.4	1905.6	1738.4	1566.0	1393.2	1223.7	1044.4
-12.5°	2363.5	2272.3	2166.2	2044.0	1905.6	1754.6	1596.1	1434.7	1273.9	1108.6	930.2
-13.75°	2189.2	2098.5	1993.1	1873.0	1738.4	1596.1	1448.7	1299.3	1147.7	981.3	807.5
-15°	1998.4	1909.9	1807.0	1690.6	1566.0	1434.7	1299.3	1160.9	1007.1	843.8	682.5
-16.25°	1795.2	1710.1	1613.8	1506.8	1393.2	1273.9	1147.7	1007.1	856.3	705.4	561.8
-17.5°	1587.5	1509.6	1422.6	1325.7	1223.7	1108.6	981.3	843.8	705.4	571.8	447.1
-18.75°	1384.5	1315.0	1237.3	1147.9	1044.4	930.2	807.5	682.5	561.8	447.1	342.1
-20°	1190.2	1123.5	1045.0	955.2	854.7	749.1	639.0	532.2	430.4	335.4	252.1
-21.25°	983.6	918.2	842.2	759.6	668.9	578.9	486.0	397.2	315.4	243.1	185.9



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	772.9	714.1	646.8	577.4	500.8	427.4	352.3	282.5	225.2	179.2	150.0
-23.75°	578.0	528.2	474.6	417.3	356.8	299.3	245.0	198.7	168.0	145.4	132.7
-25°	408.9	368.6	329.2	284.4	243.3	205.2	175.5	152.6	139.6	128.9	120.1
-26.25°	270.7	246.2	220.2	190.6	172.2	153.5	141.8	131.9	124.1	116.0	107.6
-27.5°	182.1	171.2	158.4	146.6	139.3	131.2	124.9	118.0	110.7	103.0	95.6
-28.75°	142.5	137.8	132.3	127.5	122.4	116.9	110.8	104.2	97.6	91.3	84.7
-30°	123.9	120.6	116.9	112.5	107.7	102.4	97.0	91.7	86.1	80.0	73.7
-31.25°	108.3	105.2	101.6	97.8	93.9	89.6	84.9	79.9	74.4	70.7	67.6
-32.5°	93.8	91.3	88.4	85.1	81.4	77.3	72.8	70.3	67.7	64.9	62.0
-33.75°	80.7	78.3	75.5	72.5	70.7	68.8	66.6	64.3	61.8	59.2	58.2
-35°	70.1	69.0	67.7	66.1	64.4	62.5	60.5	58.9	58.0	57.0	56.0
-36.25°	63.5	62.4	61.2	59.7	58.8	58.2	57.4	56.6	55.8	54.8	54.1
-37.5°	58.4	58.0	57.6	57.1	56.5	55.8	55.1	54.3	54.0	53.6	53.2
-38.75°	56.0	55.6	55.2	54.7	54.2	54.0	53.7	53.4	53.0	52.7	52.3
-40°	54.0	53.8	53.6	53.4	53.2	53.0	52.7	52.4	52.1	51.9	51.6
-41.25°	52.9	52.8	52.6	52.4	52.2	52.0	51.9	51.7	51.5	51.3	51.0
-42.5°	52.0	51.9	51.8	51.7	51.5	51.4	51.2	51.0	50.8	50.7	50.6
-43.75°	51.3	51.2	51.1	51.0	50.9	50.8	50.7	50.6	50.5	50.4	50.3
-45°	50.7	50.7	50.6	50.6	50.5	50.4	50.3	50.3	50.2	50.0	49.8
-46.25°	50.4	50.3	50.3	50.2	50.2	50.1	49.9	49.8	49.6	49.4	49.2
-47.5°	49.9	49.8	49.8	49.7	49.5	49.4	49.3	49.1	48.9	48.8	48.5
-48.75°	49.2	49.2	49.1	49.0	48.9	48.7	48.6	48.3	48.1	47.8	47.6
-50°	48.5	48.4	48.2	48.1	47.9	47.8	47.6	47.3	47.1	46.9	46.6
-51.25°	47.4	47.3	47.2	47.1	46.9	46.7	46.6	46.3	46.1	45.9	45.6
-52.5°	46.4	46.3	46.2	46.0	45.9	45.7	45.6	45.4	45.1	44.9	44.7
-53.75°	45.3	45.2	45.1	45.0	44.9	44.7	44.5	44.3	44.0	43.7	43.4
-55°	44.2	44.1	44.0	43.8	43.6	43.4	43.2	42.9	42.7	42.4	42.1
-56.25°	42.8	42.7	42.5	42.4	42.2	42.0	41.8	41.5	41.2	40.9	40.5
-57.5°	41.3	41.2	41.0	40.8	40.6	40.4	40.1	39.9	39.6	39.3	38.9
-58.75°	39.6	39.4	39.3	39.1	38.9	38.7	38.5	38.2	37.9	37.6	37.3
-60°	37.8	37.7	37.6	37.4	37.2	37.0	36.8	36.5	36.3	36.0	35.7
-61.25°	36.1	36.0	35.8	35.7	35.5	35.3	35.1	34.9	34.6	34.2	33.8
-62.5°	34.2	34.1	33.9	33.7	33.5	33.2	32.9	32.6	32.2	31.9	31.5
-63.75°	31.8	31.6	31.4	31.2	31.0	30.8	30.5	30.2	29.9	29.5	29.1
-65°	29.3	29.2	29.0	28.8	28.6	28.4	28.1	27.8	27.5	27.2	26.8
-66.25°	26.9	26.7	26.6	26.4	26.2	26.0	25.7	25.5	25.2	24.9	24.6
-67.5°	24.5	24.4	24.2	24.1	23.9	23.8	23.6	23.3	23.1	22.9	22.6
-68.75°	22.4	22.3	22.2	22.0	21.9	21.7	21.5	21.3	21.1	20.9	20.6
-70°	20.3	20.2	20.2	20.0	19.9	19.8	19.6	19.5	19.3	19.1	18.9
-71.25°	18.5	18.5	18.4	18.3	18.2	18.0	17.9	17.7	17.6	17.4	17.2
-72.5°	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0	15.8
-73.75°	15.4	15.3	15.3	15.2	15.1	15.1	15.0	14.9	14.8	14.6	14.5
-75°	14.0	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.7	13.6
-76.25°	13.4	13.3	13.3	13.3	13.2	13.2	13.2	13.1	13.1	13.0	13.0
-77.5°	12.6	12.6	12.6	12.5	12.5	12.4	12.4	12.3	12.3	12.2	12.1



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	11.6	11.6	11.5	11.5	11.5	11.4	11.4	11.3	11.3	11.2	11.1
-80°	10.5	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0
-81.25°	9.1	9.1	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.7	8.7
-82.5°	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.5	7.5	7.4	7.3
-83.75°	6.3	6.3	6.3	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
-85°	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6
-86.25°	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3
-87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-88.75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
87.5°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
86.25°	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
85°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0
83.75°	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2
82.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
81.25°	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
80°	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.8
78.75°	11.1	11.0	10.9	10.8	10.8	10.7	10.6	10.4	10.3	10.2	10.0
77.5°	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.0
76.25°	12.9	12.9	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.0	11.9
75°	13.6	13.5	13.4	13.4	13.3	13.2	13.1	13.0	13.0	12.9	12.8
73.75°	14.4	14.2	14.1	14.0	13.9	13.8	13.7	13.7	13.6	13.5	13.3
72.5°	15.7	15.5	15.4	15.2	15.0	14.8	14.6	14.4	14.2	14.0	13.9
71.25°	17.0	16.8	16.6	16.5	16.3	16.1	15.9	15.6	15.4	15.2	14.9
70°	18.7	18.5	18.2	18.0	17.7	17.4	17.1	16.8	16.6	16.3	16.1
68.75°	20.4	20.1	19.9	19.6	19.3	19.0	18.7	18.4	18.0	17.7	17.3
67.5°	22.3	22.0	21.7	21.3	21.0	20.6	20.3	19.9	19.6	19.2	18.8
66.25°	24.3	23.9	23.6	23.2	22.9	22.5	22.1	21.6	21.2	20.7	20.3
65°	26.5	26.1	25.6	25.2	24.7	24.3	23.9	23.4	23.0	22.5	22.0
63.75°	28.7	28.3	27.9	27.4	26.9	26.4	25.9	25.3	24.7	24.2	23.7
62.5°	31.0	30.6	30.1	29.6	29.1	28.6	28.0	27.4	26.8	26.2	25.5
61.25°	33.3	32.9	32.4	31.8	31.3	30.7	30.1	29.5	28.8	28.2	27.5
60°	35.3	35.0	34.6	34.1	33.5	32.9	32.3	31.6	30.9	30.2	29.5
58.75°	36.9	36.6	36.2	35.8	35.4	34.9	34.4	33.7	33.0	32.3	31.5
57.5°	38.6	38.2	37.8	37.3	36.9	36.4	35.9	35.4	34.9	34.3	33.5
56.25°	40.2	39.8	39.3	38.9	38.4	37.9	37.4	36.9	36.4	35.8	35.2
55°	41.7	41.3	40.9	40.4	39.9	39.4	38.9	38.4	37.8	37.2	36.6
53.75°	43.1	42.7	42.3	41.9	41.5	40.9	40.4	39.8	39.2	38.6	38.0
52.5°	44.4	44.0	43.6	43.2	42.7	42.3	41.8	41.3	40.6	40.0	39.3
51.25°	45.4	45.1	44.8	44.4	44.0	43.5	43.0	42.5	42.0	41.4	40.7
50°	46.3	46.0	45.7	45.4	45.0	44.7	44.2	43.7	43.1	42.6	42.0
48.75°	47.3	47.0	46.6	46.3	45.9	45.6	45.2	44.8	44.3	43.7	43.1
47.5°	48.2	47.9	47.5	47.2	46.8	46.4	46.0	45.6	45.2	44.7	44.2
46.25°	49.0	48.8	48.5	48.1	47.7	47.3	46.9	46.4	46.0	45.5	45.1
45°	49.6	49.4	49.1	48.9	48.6	48.2	47.7	47.3	46.8	46.3	45.9
43.75°	50.2	50.0	49.7	49.5	49.2	48.9	48.6	48.1	47.6	47.1	46.6
42.5°	50.5	50.4	50.2	50.1	49.8	49.5	49.2	48.9	48.4	47.9	47.4
41.25°	50.8	50.7	50.5	50.4	50.2	50.0	49.7	49.4	49.1	48.7	48.2
40°	51.4	51.1	50.8	50.7	50.5	50.4	50.2	49.9	49.6	49.2	48.8
38.75°	52.0	51.7	51.4	51.1	50.8	50.6	50.5	50.3	50.1	49.7	49.3
37.5°	52.8	52.4	52.0	51.7	51.3	51.0	50.7	50.5	50.4	50.2	49.8
36.25°	53.7	53.2	52.8	52.3	51.9	51.5	51.2	50.8	50.6	50.4	50.2
35°	55.0	54.1	53.6	53.1	52.6	52.1	51.7	51.3	50.9	50.6	50.4



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	57.1	55.9	54.7	53.9	53.4	52.8	52.2	51.8	51.4	51.0	50.7
32.5°	59.1	57.9	56.7	55.4	54.2	53.6	53.0	52.4	51.9	51.4	51.0
31.25°	64.4	61.0	58.6	57.3	55.9	54.4	53.7	53.1	52.4	51.9	51.4
30°	69.9	66.4	62.7	59.2	57.7	56.2	54.7	53.8	53.1	52.4	51.9
28.75°	77.8	71.6	67.8	63.9	59.9	58.0	56.4	54.8	53.8	53.1	52.4
27.5°	88.4	80.9	73.1	68.8	64.7	60.4	58.1	56.4	54.7	53.7	53.0
26.25°	98.8	91.0	82.9	74.6	69.3	64.9	60.4	58.0	56.2	54.4	53.6
25°	110.8	101.3	92.6	84.0	75.1	69.3	64.7	59.9	57.7	55.9	54.2
23.75°	122.8	112.8	102.6	93.2	84.0	74.6	68.8	63.9	59.2	57.3	55.4
22.5°	135.6	124.1	113.5	102.6	92.6	82.9	73.1	67.8	62.7	58.6	56.7
21.25°	154.3	136.6	124.1	112.8	101.3	91.0	80.9	71.6	66.4	61.0	57.9
20°	188.5	154.3	135.6	122.8	110.8	98.8	88.4	77.8	69.9	64.4	59.1
18.75°	252.1	185.9	150.0	132.7	120.1	107.6	95.6	84.7	73.7	67.6	62.0
17.5°	335.4	243.1	179.2	145.4	128.9	116.0	103.0	91.3	80.0	70.7	64.9
16.25°	430.4	315.4	225.2	168.0	139.6	124.1	110.7	97.6	86.1	74.4	67.7
15°	532.2	397.2	282.5	198.7	152.6	131.9	118.0	104.2	91.7	79.9	70.3
13.75°	639.0	486.0	352.3	245.0	175.5	141.8	124.9	110.8	97.0	84.9	72.8
12.5°	749.1	578.9	427.4	299.3	205.2	153.5	131.2	116.9	102.4	89.6	77.3
11.25°	854.7	668.9	500.8	356.8	243.3	172.2	139.3	122.4	107.7	93.9	81.4
10°	955.2	759.6	577.4	417.3	284.4	190.6	146.6	127.5	112.5	97.8	85.1
8.75°	1045.0	842.2	646.8	474.6	329.2	220.2	158.4	132.3	116.9	101.6	88.4
7.5°	1123.5	918.2	714.1	528.2	368.6	246.2	171.2	137.8	120.6	105.2	91.3
6.25°	1190.2	983.6	772.9	578.0	408.9	270.7	182.1	142.5	123.9	108.3	93.8
5°	1242.8	1037.1	821.6	619.2	442.8	297.1	194.1	146.3	126.5	110.9	95.8
3.75°	1284.2	1078.8	861.7	651.6	469.4	317.9	207.8	150.0	128.6	112.8	97.4
2.5°	1314.2	1108.9	890.7	677.1	488.6	332.8	217.7	154.8	130.1	114.3	98.6
1.25°	1332.2	1127.1	908.2	692.8	500.1	341.8	223.6	157.7	131.0	115.1	99.3
0°	1338.3	1133.2	914.1	698.1	504.0	344.8	225.6	158.6	131.3	115.4	99.5
-1.25°	1332.2	1127.1	908.2	692.8	500.1	341.8	223.6	157.7	131.0	115.1	99.3
-2.5°	1314.2	1108.9	890.7	677.1	488.6	332.8	217.7	154.8	130.1	114.3	98.6
-3.75°	1284.2	1078.8	861.7	651.6	469.4	317.9	207.8	150.0	128.6	112.8	97.4
-5°	1242.8	1037.1	821.6	619.2	442.8	297.1	194.1	146.3	126.5	110.9	95.8
-6.25°	1190.2	983.6	772.9	578.0	408.9	270.7	182.1	142.5	123.9	108.3	93.8
-7.5°	1123.5	918.2	714.1	528.2	368.6	246.2	171.2	137.8	120.6	105.2	91.3
-8.75°	1045.0	842.2	646.8	474.6	329.2	220.2	158.4	132.3	116.9	101.6	88.4
-10°	955.2	759.6	577.4	417.3	284.4	190.6	146.6	127.5	112.5	97.8	85.1
-11.25°	854.7	668.9	500.8	356.8	243.3	172.2	139.3	122.4	107.7	93.9	81.4
-12.5°	749.1	578.9	427.4	299.3	205.2	153.5	131.2	116.9	102.4	89.6	77.3
-13.75°	639.0	486.0	352.3	245.0	175.5	141.8	124.9	110.8	97.0	84.9	72.8
-15°	532.2	397.2	282.5	198.7	152.6	131.9	118.0	104.2	91.7	79.9	70.3
-16.25°	430.4	315.4	225.2	168.0	139.6	124.1	110.7	97.6	86.1	74.4	67.7
-17.5°	335.4	243.1	179.2	145.4	128.9	116.0	103.0	91.3	80.0	70.7	64.9
-18.75°	252.1	185.9	150.0	132.7	120.1	107.6	95.6	84.7	73.7	67.6	62.0
-20°	188.5	154.3	135.6	122.8	110.8	98.8	88.4	77.8	69.9	64.4	59.1
-21.25°	154.3	136.6	124.1	112.8	101.3	91.0	80.9	71.6	66.4	61.0	57.9



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	135.6	124.1	113.5	102.6	92.6	82.9	73.1	67.8	62.7	58.6	56.7
-23.75°	122.8	112.8	102.6	93.2	84.0	74.6	68.8	63.9	59.2	57.3	55.4
-25°	110.8	101.3	92.6	84.0	75.1	69.3	64.7	59.9	57.7	55.9	54.2
-26.25°	98.8	91.0	82.9	74.6	69.3	64.9	60.4	58.0	56.2	54.4	53.6
-27.5°	88.4	80.9	73.1	68.8	64.7	60.4	58.1	56.4	54.7	53.7	53.0
-28.75°	77.8	71.6	67.8	63.9	59.9	58.0	56.4	54.8	53.8	53.1	52.4
-30°	69.9	66.4	62.7	59.2	57.7	56.2	54.7	53.8	53.1	52.4	51.9
-31.25°	64.4	61.0	58.6	57.3	55.9	54.4	53.7	53.1	52.4	51.9	51.4
-32.5°	59.1	57.9	56.7	55.4	54.2	53.6	53.0	52.4	51.9	51.4	51.0
-33.75°	57.1	55.9	54.7	53.9	53.4	52.8	52.2	51.8	51.4	51.0	50.7
-35°	55.0	54.1	53.6	53.1	52.6	52.1	51.7	51.3	50.9	50.6	50.4
-36.25°	53.7	53.2	52.8	52.3	51.9	51.5	51.2	50.8	50.6	50.4	50.2
-37.5°	52.8	52.4	52.0	51.7	51.3	51.0	50.7	50.5	50.4	50.2	49.8
-38.75°	52.0	51.7	51.4	51.1	50.8	50.6	50.5	50.3	50.1	49.7	49.3
-40°	51.4	51.1	50.8	50.7	50.5	50.4	50.2	49.9	49.6	49.2	48.8
-41.25°	50.8	50.7	50.5	50.4	50.2	50.0	49.7	49.4	49.1	48.7	48.2
-42.5°	50.5	50.4	50.2	50.1	49.8	49.5	49.2	48.9	48.4	47.9	47.4
-43.75°	50.2	50.0	49.7	49.5	49.2	48.9	48.6	48.1	47.6	47.1	46.6
-45°	49.6	49.4	49.1	48.9	48.6	48.2	47.7	47.3	46.8	46.3	45.9
-46.25°	49.0	48.8	48.5	48.1	47.7	47.3	46.9	46.4	46.0	45.5	45.1
-47.5°	48.2	47.9	47.5	47.2	46.8	46.4	46.0	45.6	45.2	44.7	44.2
-48.75°	47.3	47.0	46.6	46.3	45.9	45.6	45.2	44.8	44.3	43.7	43.1
-50°	46.3	46.0	45.7	45.4	45.0	44.7	44.2	43.7	43.1	42.6	42.0
-51.25°	45.4	45.1	44.8	44.4	44.0	43.5	43.0	42.5	42.0	41.4	40.7
-52.5°	44.4	44.0	43.6	43.2	42.7	42.3	41.8	41.3	40.6	40.0	39.3
-53.75°	43.1	42.7	42.3	41.9	41.5	40.9	40.4	39.8	39.2	38.6	38.0
-55°	41.7	41.3	40.9	40.4	39.9	39.4	38.9	38.4	37.8	37.2	36.6
-56.25°	40.2	39.8	39.3	38.9	38.4	37.9	37.4	36.9	36.4	35.8	35.2
-57.5°	38.6	38.2	37.8	37.3	36.9	36.4	35.9	35.4	34.9	34.3	33.5
-58.75°	36.9	36.6	36.2	35.8	35.4	34.9	34.4	33.7	33.0	32.3	31.5
-60°	35.3	35.0	34.6	34.1	33.5	32.9	32.3	31.6	30.9	30.2	29.5
-61.25°	33.3	32.9	32.4	31.8	31.3	30.7	30.1	29.5	28.8	28.2	27.5
-62.5°	31.0	30.6	30.1	29.6	29.1	28.6	28.0	27.4	26.8	26.2	25.5
-63.75°	28.7	28.3	27.9	27.4	26.9	26.4	25.9	25.3	24.7	24.2	23.7
-65°	26.5	26.1	25.6	25.2	24.7	24.3	23.9	23.4	23.0	22.5	22.0
-66.25°	24.3	23.9	23.6	23.2	22.9	22.5	22.1	21.6	21.2	20.7	20.3
-67.5°	22.3	22.0	21.7	21.3	21.0	20.6	20.3	19.9	19.6	19.2	18.8
-68.75°	20.4	20.1	19.9	19.6	19.3	19.0	18.7	18.4	18.0	17.7	17.3
-70°	18.7	18.5	18.2	18.0	17.7	17.4	17.1	16.8	16.6	16.3	16.1
-71.25°	17.0	16.8	16.6	16.5	16.3	16.1	15.9	15.6	15.4	15.2	14.9
-72.5°	15.7	15.5	15.4	15.2	15.0	14.8	14.6	14.4	14.2	14.0	13.9
-73.75°	14.4	14.2	14.1	14.0	13.9	13.8	13.7	13.7	13.6	13.5	13.3
-75°	13.6	13.5	13.4	13.4	13.3	13.2	13.1	13.0	13.0	12.9	12.8
-76.25°	12.9	12.9	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.0	11.9
-77.5°	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	11.1	11.0	10.9	10.8	10.8	10.7	10.6	10.4	10.3	10.2	10.0
-80°	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.8
-81.25°	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7
-82.5°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4
-83.75°	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2
-85°	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0
-86.25°	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
-87.5°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
-88.75°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
87.5°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5
86.25°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2
85°	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.3	3.2
83.75°	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.2	4.1
82.5°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1
81.25°	7.5	7.4	7.3	7.1	7.0	6.9	6.7	6.6	6.4	6.3	6.1
80°	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.5	7.3	7.1
78.75°	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.7	8.5	8.3	8.1
77.5°	10.9	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0
76.25°	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.2	10.0
75°	12.6	12.5	12.3	12.2	12.0	11.8	11.6	11.4	11.3	11.1	10.9
73.75°	13.2	13.1	13.0	12.9	12.8	12.6	12.4	12.2	12.0	11.8	11.6
72.5°	13.8	13.7	13.6	13.4	13.3	13.2	13.0	12.9	12.7	12.5	12.3
71.25°	14.7	14.4	14.1	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9
70°	15.8	15.5	15.2	14.9	14.6	14.3	14.0	13.9	13.7	13.5	13.4
68.75°	17.0	16.6	16.3	16.0	15.7	15.4	15.0	14.7	14.3	14.0	13.8
67.5°	18.4	18.0	17.6	17.2	16.7	16.4	16.0	15.7	15.3	14.9	14.5
66.25°	19.9	19.4	19.0	18.5	18.1	17.6	17.1	16.6	16.2	15.8	15.4
65°	21.5	20.9	20.4	19.9	19.4	18.9	18.4	17.8	17.3	16.8	16.3
63.75°	23.1	22.6	22.0	21.4	20.8	20.2	19.7	19.1	18.5	17.9	17.3
62.5°	24.9	24.2	23.6	23.0	22.4	21.7	21.0	20.4	19.8	19.1	18.5
61.25°	26.8	26.1	25.3	24.6	23.9	23.2	22.5	21.8	21.1	20.3	19.7
60°	28.7	28.0	27.2	26.4	25.6	24.7	24.0	23.2	22.5	21.7	20.9
58.75°	30.7	29.9	29.1	28.2	27.4	26.5	25.6	24.7	23.9	23.1	22.2
57.5°	32.7	31.8	31.0	30.1	29.2	28.2	27.3	26.3	25.4	24.4	23.5
56.25°	34.6	33.7	32.8	31.9	31.0	30.0	29.0	28.0	27.0	25.9	24.9
55°	36.0	35.3	34.7	33.7	32.7	31.7	30.7	29.6	28.6	27.5	26.4
53.75°	37.3	36.7	36.0	35.3	34.5	33.5	32.4	31.3	30.2	29.0	27.9
52.5°	38.7	38.0	37.3	36.5	35.8	35.0	34.1	32.9	31.8	30.6	29.4
51.25°	40.0	39.3	38.5	37.8	37.0	36.2	35.4	34.6	33.4	32.1	30.9
50°	41.3	40.6	39.8	39.0	38.2	37.4	36.6	35.7	34.8	33.7	32.4
48.75°	42.5	41.8	41.1	40.3	39.4	38.6	37.7	36.8	35.9	35.0	33.9
47.5°	43.5	42.9	42.2	41.5	40.6	39.7	38.8	37.9	37.0	36.1	35.1
46.25°	44.6	43.9	43.2	42.5	41.8	40.9	40.0	39.0	38.1	37.1	36.1
45°	45.3	44.8	44.2	43.5	42.7	41.9	41.1	40.1	39.1	38.1	37.1
43.75°	46.1	45.6	45.0	44.5	43.7	42.9	42.1	41.2	40.1	39.1	38.1
42.5°	46.9	46.3	45.7	45.2	44.6	43.8	42.9	42.1	41.2	40.1	39.0
41.25°	47.6	47.0	46.5	45.9	45.3	44.6	43.8	42.9	42.1	41.1	40.0
40°	48.3	47.7	47.1	46.5	45.9	45.3	44.6	43.8	42.9	41.9	40.9
38.75°	48.9	48.5	47.8	47.2	46.6	45.9	45.3	44.6	43.7	42.7	41.8
37.5°	49.4	49.0	48.5	47.9	47.2	46.5	45.9	45.2	44.5	43.5	42.5
36.25°	49.9	49.5	49.0	48.5	47.8	47.1	46.5	45.7	45.0	44.2	43.2
35°	50.2	49.9	49.5	49.0	48.5	47.7	47.0	46.3	45.6	44.8	43.9



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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	50.4	50.2	49.9	49.4	48.9	48.3	47.6	46.9	46.1	45.3	44.6
32.5°	50.7	50.4	50.2	49.8	49.3	48.8	48.2	47.4	46.6	45.9	45.1
31.25°	51.0	50.6	50.4	50.2	49.7	49.2	48.7	47.9	47.1	46.3	45.5
30°	51.4	50.9	50.6	50.4	50.1	49.6	49.1	48.4	47.6	46.8	46.0
28.75°	51.8	51.3	50.8	50.5	50.3	49.9	49.4	48.9	48.1	47.3	46.4
27.5°	52.2	51.7	51.2	50.7	50.5	50.2	49.7	49.2	48.6	47.7	46.9
26.25°	52.8	52.1	51.5	51.0	50.6	50.4	50.0	49.5	48.9	48.2	47.3
25°	53.4	52.6	51.9	51.3	50.8	50.5	50.2	49.8	49.2	48.6	47.7
23.75°	53.9	53.1	52.3	51.7	51.1	50.7	50.4	50.1	49.5	48.9	48.1
22.5°	54.7	53.6	52.8	52.0	51.4	50.8	50.5	50.2	49.7	49.1	48.5
21.25°	55.9	54.1	53.2	52.4	51.7	51.1	50.7	50.4	50.0	49.4	48.8
20°	57.1	55.0	53.7	52.8	52.0	51.4	50.8	50.5	50.2	49.6	49.0
18.75°	58.2	56.0	54.1	53.2	52.3	51.6	51.0	50.6	50.3	49.8	49.2
17.5°	59.2	57.0	54.8	53.6	52.7	51.9	51.3	50.7	50.4	50.0	49.4
16.25°	61.8	58.0	55.8	54.0	53.0	52.1	51.5	50.8	50.5	50.2	49.6
15°	64.3	58.9	56.6	54.3	53.4	52.4	51.7	51.0	50.6	50.3	49.8
13.75°	66.6	60.5	57.4	55.1	53.7	52.7	51.9	51.2	50.7	50.3	49.9
12.5°	68.8	62.5	58.2	55.8	54.0	53.0	52.0	51.4	50.8	50.4	50.1
11.25°	70.7	64.4	58.8	56.5	54.2	53.2	52.2	51.5	50.9	50.5	50.2
10°	72.5	66.1	59.7	57.1	54.7	53.4	52.4	51.7	51.0	50.6	50.2
8.75°	75.5	67.7	61.2	57.6	55.2	53.6	52.6	51.8	51.1	50.6	50.3
7.5°	78.3	69.0	62.4	58.0	55.6	53.8	52.8	51.9	51.2	50.7	50.3
6.25°	80.7	70.1	63.5	58.4	56.0	54.0	52.9	52.0	51.3	50.7	50.4
5°	82.6	71.0	64.4	58.7	56.3	54.1	53.0	52.1	51.4	50.7	50.4
3.75°	84.1	71.8	65.1	59.0	56.5	54.2	53.1	52.1	51.4	50.8	50.4
2.5°	85.2	72.3	65.6	59.2	56.7	54.2	53.2	52.2	51.5	50.8	50.4
1.25°	85.9	72.6	65.9	59.3	56.8	54.3	53.2	52.2	51.5	50.8	50.4
0°	86.1	72.7	66.0	59.3	56.8	54.3	53.3	52.2	51.5	50.8	50.5
-1.25°	85.9	72.6	65.9	59.3	56.8	54.3	53.2	52.2	51.5	50.8	50.4
-2.5°	85.2	72.3	65.6	59.2	56.7	54.2	53.2	52.2	51.5	50.8	50.4
-3.75°	84.1	71.8	65.1	59.0	56.5	54.2	53.1	52.1	51.4	50.8	50.4
-5°	82.6	71.0	64.4	58.7	56.3	54.1	53.0	52.1	51.4	50.7	50.4
-6.25°	80.7	70.1	63.5	58.4	56.0	54.0	52.9	52.0	51.3	50.7	50.4
-7.5°	78.3	69.0	62.4	58.0	55.6	53.8	52.8	51.9	51.2	50.7	50.3
-8.75°	75.5	67.7	61.2	57.6	55.2	53.6	52.6	51.8	51.1	50.6	50.3
-10°	72.5	66.1	59.7	57.1	54.7	53.4	52.4	51.7	51.0	50.6	50.2
-11.25°	70.7	64.4	58.8	56.5	54.2	53.2	52.2	51.5	50.9	50.5	50.2
-12.5°	68.8	62.5	58.2	55.8	54.0	53.0	52.0	51.4	50.8	50.4	50.1
-13.75°	66.6	60.5	57.4	55.1	53.7	52.7	51.9	51.2	50.7	50.3	49.9
-15°	64.3	58.9	56.6	54.3	53.4	52.4	51.7	51.0	50.6	50.3	49.8
-16.25°	61.8	58.0	55.8	54.0	53.0	52.1	51.5	50.8	50.5	50.2	49.6
-17.5°	59.2	57.0	54.8	53.6	52.7	51.9	51.3	50.7	50.4	50.0	49.4
-18.75°	58.2	56.0	54.1	53.2	52.3	51.6	51.0	50.6	50.3	49.8	49.2
-20°	57.1	55.0	53.7	52.8	52.0	51.4	50.8	50.5	50.2	49.6	49.0
-21.25°	55.9	54.1	53.2	52.4	51.7	51.1	50.7	50.4	50.0	49.4	48.8



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	54.7	53.6	52.8	52.0	51.4	50.8	50.5	50.2	49.7	49.1	48.5
-23.75°	53.9	53.1	52.3	51.7	51.1	50.7	50.4	50.1	49.5	48.9	48.1
-25°	53.4	52.6	51.9	51.3	50.8	50.5	50.2	49.8	49.2	48.6	47.7
-26.25°	52.8	52.1	51.5	51.0	50.6	50.4	50.0	49.5	48.9	48.2	47.3
-27.5°	52.2	51.7	51.2	50.7	50.5	50.2	49.7	49.2	48.6	47.7	46.9
-28.75°	51.8	51.3	50.8	50.5	50.3	49.9	49.4	48.9	48.1	47.3	46.4
-30°	51.4	50.9	50.6	50.4	50.1	49.6	49.1	48.4	47.6	46.8	46.0
-31.25°	51.0	50.6	50.4	50.2	49.7	49.2	48.7	47.9	47.1	46.3	45.5
-32.5°	50.7	50.4	50.2	49.8	49.3	48.8	48.2	47.4	46.6	45.9	45.1
-33.75°	50.4	50.2	49.9	49.4	48.9	48.3	47.6	46.9	46.1	45.3	44.6
-35°	50.2	49.9	49.5	49.0	48.5	47.7	47.0	46.3	45.6	44.8	43.9
-36.25°	49.9	49.5	49.0	48.5	47.8	47.1	46.5	45.7	45.0	44.2	43.2
-37.5°	49.4	49.0	48.5	47.9	47.2	46.5	45.9	45.2	44.5	43.5	42.5
-38.75°	48.9	48.5	47.8	47.2	46.6	45.9	45.3	44.6	43.7	42.7	41.8
-40°	48.3	47.7	47.1	46.5	45.9	45.3	44.6	43.8	42.9	41.9	40.9
-41.25°	47.6	47.0	46.5	45.9	45.3	44.6	43.8	42.9	42.1	41.1	40.0
-42.5°	46.9	46.3	45.7	45.2	44.6	43.8	42.9	42.1	41.2	40.1	39.0
-43.75°	46.1	45.6	45.0	44.5	43.7	42.9	42.1	41.2	40.1	39.1	38.1
-45°	45.3	44.8	44.2	43.5	42.7	41.9	41.1	40.1	39.1	38.1	37.1
-46.25°	44.6	43.9	43.2	42.5	41.8	40.9	40.0	39.0	38.1	37.1	36.1
-47.5°	43.5	42.9	42.2	41.5	40.6	39.7	38.8	37.9	37.0	36.1	35.1
-48.75°	42.5	41.8	41.1	40.3	39.4	38.6	37.7	36.8	35.9	35.0	33.9
-50°	41.3	40.6	39.8	39.0	38.2	37.4	36.6	35.7	34.8	33.7	32.4
-51.25°	40.0	39.3	38.5	37.8	37.0	36.2	35.4	34.6	33.4	32.1	30.9
-52.5°	38.7	38.0	37.3	36.5	35.8	35.0	34.1	32.9	31.8	30.6	29.4
-53.75°	37.3	36.7	36.0	35.3	34.5	33.5	32.4	31.3	30.2	29.0	27.9
-55°	36.0	35.3	34.7	33.7	32.7	31.7	30.7	29.6	28.6	27.5	26.4
-56.25°	34.6	33.7	32.8	31.9	31.0	30.0	29.0	28.0	27.0	25.9	24.9
-57.5°	32.7	31.8	31.0	30.1	29.2	28.2	27.3	26.3	25.4	24.4	23.5
-58.75°	30.7	29.9	29.1	28.2	27.4	26.5	25.6	24.7	23.9	23.1	22.2
-60°	28.7	28.0	27.2	26.4	25.6	24.7	24.0	23.2	22.5	21.7	20.9
-61.25°	26.8	26.1	25.3	24.6	23.9	23.2	22.5	21.8	21.1	20.3	19.7
-62.5°	24.9	24.2	23.6	23.0	22.4	21.7	21.0	20.4	19.8	19.1	18.5
-63.75°	23.1	22.6	22.0	21.4	20.8	20.2	19.7	19.1	18.5	17.9	17.3
-65°	21.5	20.9	20.4	19.9	19.4	18.9	18.4	17.8	17.3	16.8	16.3
-66.25°	19.9	19.4	19.0	18.5	18.1	17.6	17.1	16.6	16.2	15.8	15.4
-67.5°	18.4	18.0	17.6	17.2	16.7	16.4	16.0	15.7	15.3	14.9	14.5
-68.75°	17.0	16.6	16.3	16.0	15.7	15.4	15.0	14.7	14.3	14.0	13.8
-70°	15.8	15.5	15.2	14.9	14.6	14.3	14.0	13.9	13.7	13.5	13.4
-71.25°	14.7	14.4	14.1	14.0	13.8	13.7	13.5	13.4	13.2	13.1	12.9
-72.5°	13.8	13.7	13.6	13.4	13.3	13.2	13.0	12.9	12.7	12.5	12.3
-73.75°	13.2	13.1	13.0	12.9	12.8	12.6	12.4	12.2	12.0	11.8	11.6
-75°	12.6	12.5	12.3	12.2	12.0	11.8	11.6	11.4	11.3	11.1	10.9
-76.25°	11.8	11.6	11.5	11.3	11.2	11.0	10.8	10.7	10.5	10.2	10.0
-77.5°	10.9	10.8	10.6	10.5	10.3	10.1	9.9	9.7	9.5	9.3	9.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	9.9	9.7	9.5	9.4	9.2	9.0	8.8	8.7	8.5	8.3	8.1
-80°	8.7	8.6	8.4	8.3	8.1	8.0	7.8	7.6	7.5	7.3	7.1
-81.25°	7.5	7.4	7.3	7.1	7.0	6.9	6.7	6.6	6.4	6.3	6.1
-82.5°	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4	5.2	5.1
-83.75°	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.2	4.1
-85°	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.3	3.3	3.2
-86.25°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2
-87.5°	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-88.75°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.5	0.5
87.5°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0
86.25°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
85°	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	2.9	2.8
82.5°	5.0	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.8	3.6	3.5
81.25°	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7	4.6	4.4	4.2
80°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9
78.75°	7.9	7.7	7.5	7.2	7.0	6.8	6.6	6.3	6.1	5.8	5.6
77.5°	8.8	8.6	8.4	8.1	7.9	7.6	7.4	7.1	6.8	6.6	6.3
76.25°	9.7	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.3	7.0
75°	10.7	10.4	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.7
73.75°	11.4	11.1	10.9	10.7	10.4	10.1	9.7	9.4	9.1	8.7	8.4
72.5°	12.0	11.8	11.6	11.3	11.1	10.8	10.5	10.2	9.8	9.5	9.1
71.25°	12.7	12.5	12.2	11.9	11.7	11.4	11.1	10.8	10.5	10.2	9.8
70°	13.2	13.0	12.8	12.6	12.3	12.0	11.7	11.4	11.1	10.8	10.4
68.75°	13.6	13.4	13.2	13.0	12.8	12.6	12.3	12.0	11.6	11.3	11.0
67.5°	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.5	12.2	11.8	11.5
66.25°	15.0	14.5	14.1	13.9	13.6	13.4	13.2	12.9	12.7	12.3	12.0
65°	15.9	15.4	15.0	14.5	14.0	13.8	13.6	13.3	13.0	12.8	12.4
63.75°	16.8	16.3	15.8	15.3	14.8	14.3	13.9	13.7	13.4	13.1	12.9
62.5°	17.9	17.2	16.6	16.1	15.6	15.0	14.5	14.0	13.7	13.5	13.2
61.25°	19.0	18.3	17.6	16.9	16.4	15.8	15.2	14.7	14.1	13.8	13.5
60°	20.1	19.4	18.7	18.0	17.2	16.6	16.0	15.4	14.8	14.1	13.8
58.75°	21.4	20.5	19.7	19.0	18.2	17.4	16.7	16.1	15.4	14.8	14.1
57.5°	22.7	21.8	20.8	20.0	19.2	18.4	17.5	16.8	16.1	15.4	14.8
56.25°	23.9	23.0	22.1	21.1	20.2	19.3	18.5	17.6	16.8	16.1	15.4
55°	25.3	24.2	23.2	22.2	21.2	20.2	19.4	18.5	17.5	16.7	16.0
53.75°	26.7	25.6	24.4	23.4	22.3	21.3	20.2	19.3	18.4	17.4	16.6
52.5°	28.2	27.0	25.7	24.5	23.4	22.3	21.2	20.2	19.2	18.2	17.2
51.25°	29.6	28.4	27.1	25.8	24.5	23.4	22.2	21.1	20.0	19.0	18.0
50°	31.1	29.8	28.4	27.1	25.7	24.4	23.2	22.1	20.8	19.7	18.7
48.75°	32.5	31.1	29.8	28.4	27.0	25.6	24.2	23.0	21.8	20.5	19.4
47.5°	33.9	32.5	31.1	29.6	28.2	26.7	25.3	23.9	22.7	21.4	20.1
46.25°	35.1	33.9	32.4	30.9	29.4	27.9	26.4	24.9	23.5	22.2	20.9
45°	36.1	35.0	33.7	32.1	30.6	29.0	27.5	25.9	24.4	23.1	21.7
43.75°	37.0	35.9	34.8	33.4	31.8	30.2	28.6	27.0	25.4	23.9	22.5
42.5°	37.9	36.8	35.7	34.6	32.9	31.3	29.6	28.0	26.3	24.7	23.2
41.25°	38.8	37.7	36.6	35.4	34.1	32.4	30.7	29.0	27.3	25.6	24.0
40°	39.7	38.6	37.4	36.2	35.0	33.5	31.7	30.0	28.2	26.5	24.7
38.75°	40.6	39.4	38.2	37.0	35.8	34.5	32.7	31.0	29.2	27.4	25.6
37.5°	41.5	40.3	39.0	37.8	36.5	35.3	33.7	31.9	30.1	28.2	26.4
36.25°	42.2	41.1	39.8	38.5	37.3	36.0	34.7	32.8	31.0	29.1	27.2
35°	42.9	41.8	40.6	39.3	38.0	36.7	35.3	33.7	31.8	29.9	28.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	43.5	42.5	41.3	40.0	38.7	37.3	36.0	34.6	32.7	30.7	28.7
32.5°	44.2	43.1	42.0	40.7	39.3	38.0	36.6	35.2	33.5	31.5	29.5
31.25°	44.7	43.7	42.6	41.4	40.0	38.6	37.2	35.8	34.3	32.3	30.2
30°	45.2	44.3	43.1	42.0	40.6	39.2	37.8	36.4	34.9	33.0	30.9
28.75°	45.6	44.8	43.7	42.5	41.3	39.8	38.4	36.9	35.4	33.7	31.6
27.5°	46.0	45.2	44.2	43.0	41.8	40.4	38.9	37.4	35.9	34.4	32.3
26.25°	46.4	45.6	44.7	43.5	42.3	40.9	39.4	37.9	36.4	34.9	32.9
25°	46.8	45.9	45.0	44.0	42.7	41.5	39.9	38.4	36.9	35.4	33.5
23.75°	47.2	46.3	45.4	44.4	43.2	41.9	40.4	38.9	37.3	35.8	34.1
22.5°	47.5	46.6	45.7	44.8	43.6	42.3	40.9	39.3	37.8	36.2	34.6
21.25°	47.9	47.0	46.0	45.1	44.0	42.7	41.3	39.8	38.2	36.6	35.0
20°	48.2	47.3	46.3	45.4	44.4	43.1	41.7	40.2	38.6	36.9	35.3
18.75°	48.5	47.6	46.6	45.6	44.7	43.4	42.1	40.5	38.9	37.3	35.7
17.5°	48.8	47.8	46.9	45.9	44.9	43.7	42.4	40.9	39.3	37.6	36.0
16.25°	48.9	48.1	47.1	46.1	45.1	44.0	42.7	41.2	39.6	37.9	36.3
15°	49.1	48.3	47.3	46.3	45.4	44.3	42.9	41.5	39.9	38.2	36.5
13.75°	49.3	48.6	47.6	46.6	45.6	44.5	43.2	41.8	40.1	38.5	36.8
12.5°	49.4	48.7	47.8	46.7	45.7	44.7	43.4	42.0	40.4	38.7	37.0
11.25°	49.5	48.9	47.9	46.9	45.9	44.9	43.6	42.2	40.6	38.9	37.2
10°	49.7	49.0	48.1	47.1	46.0	45.0	43.8	42.4	40.8	39.1	37.4
8.75°	49.8	49.1	48.2	47.2	46.2	45.1	44.0	42.5	41.0	39.3	37.6
7.5°	49.8	49.2	48.4	47.3	46.3	45.2	44.1	42.7	41.2	39.4	37.7
6.25°	49.9	49.2	48.5	47.4	46.4	45.3	44.2	42.8	41.3	39.6	37.8
5°	50.0	49.3	48.5	47.5	46.5	45.4	44.3	42.9	41.4	39.7	37.9
3.75°	50.0	49.3	48.6	47.6	46.5	45.5	44.4	43.0	41.5	39.7	38.0
2.5°	50.1	49.4	48.7	47.6	46.6	45.5	44.5	43.0	41.6	39.8	38.1
1.25°	50.1	49.4	48.7	47.6	46.6	45.5	44.5	43.0	41.6	39.8	38.1
0°	50.1	49.4	48.7	47.7	46.6	45.6	44.5	43.1	41.6	39.9	38.1
-1.25°	50.1	49.4	48.7	47.6	46.6	45.5	44.5	43.0	41.6	39.8	38.1
-2.5°	50.1	49.4	48.7	47.6	46.6	45.5	44.5	43.0	41.6	39.8	38.1
-3.75°	50.0	49.3	48.6	47.6	46.5	45.5	44.4	43.0	41.5	39.7	38.0
-5°	50.0	49.3	48.5	47.5	46.5	45.4	44.3	42.9	41.4	39.7	37.9
-6.25°	49.9	49.2	48.5	47.4	46.4	45.3	44.2	42.8	41.3	39.6	37.8
-7.5°	49.8	49.2	48.4	47.3	46.3	45.2	44.1	42.7	41.2	39.4	37.7
-8.75°	49.8	49.1	48.2	47.2	46.2	45.1	44.0	42.5	41.0	39.3	37.6
-10°	49.7	49.0	48.1	47.1	46.0	45.0	43.8	42.4	40.8	39.1	37.4
-11.25°	49.5	48.9	47.9	46.9	45.9	44.9	43.6	42.2	40.6	38.9	37.2
-12.5°	49.4	48.7	47.8	46.7	45.7	44.7	43.4	42.0	40.4	38.7	37.0
-13.75°	49.3	48.6	47.6	46.6	45.6	44.5	43.2	41.8	40.1	38.5	36.8
-15°	49.1	48.3	47.3	46.3	45.4	44.3	42.9	41.5	39.9	38.2	36.5
-16.25°	48.9	48.1	47.1	46.1	45.1	44.0	42.7	41.2	39.6	37.9	36.3
-17.5°	48.8	47.8	46.9	45.9	44.9	43.7	42.4	40.9	39.3	37.6	36.0
-18.75°	48.5	47.6	46.6	45.6	44.7	43.4	42.1	40.5	38.9	37.3	35.7
-20°	48.2	47.3	46.3	45.4	44.4	43.1	41.7	40.2	38.6	36.9	35.3
-21.25°	47.9	47.0	46.0	45.1	44.0	42.7	41.3	39.8	38.2	36.6	35.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	47.5	46.6	45.7	44.8	43.6	42.3	40.9	39.3	37.8	36.2	34.6
-23.75°	47.2	46.3	45.4	44.4	43.2	41.9	40.4	38.9	37.3	35.8	34.1
-25°	46.8	45.9	45.0	44.0	42.7	41.5	39.9	38.4	36.9	35.4	33.5
-26.25°	46.4	45.6	44.7	43.5	42.3	40.9	39.4	37.9	36.4	34.9	32.9
-27.5°	46.0	45.2	44.2	43.0	41.8	40.4	38.9	37.4	35.9	34.4	32.3
-28.75°	45.6	44.8	43.7	42.5	41.3	39.8	38.4	36.9	35.4	33.7	31.6
-30°	45.2	44.3	43.1	42.0	40.6	39.2	37.8	36.4	34.9	33.0	30.9
-31.25°	44.7	43.7	42.6	41.4	40.0	38.6	37.2	35.8	34.3	32.3	30.2
-32.5°	44.2	43.1	42.0	40.7	39.3	38.0	36.6	35.2	33.5	31.5	29.5
-33.75°	43.5	42.5	41.3	40.0	38.7	37.3	36.0	34.6	32.7	30.7	28.7
-35°	42.9	41.8	40.6	39.3	38.0	36.7	35.3	33.7	31.8	29.9	28.0
-36.25°	42.2	41.1	39.8	38.5	37.3	36.0	34.7	32.8	31.0	29.1	27.2
-37.5°	41.5	40.3	39.0	37.8	36.5	35.3	33.7	31.9	30.1	28.2	26.4
-38.75°	40.6	39.4	38.2	37.0	35.8	34.5	32.7	31.0	29.2	27.4	25.6
-40°	39.7	38.6	37.4	36.2	35.0	33.5	31.7	30.0	28.2	26.5	24.7
-41.25°	38.8	37.7	36.6	35.4	34.1	32.4	30.7	29.0	27.3	25.6	24.0
-42.5°	37.9	36.8	35.7	34.6	32.9	31.3	29.6	28.0	26.3	24.7	23.2
-43.75°	37.0	35.9	34.8	33.4	31.8	30.2	28.6	27.0	25.4	23.9	22.5
-45°	36.1	35.0	33.7	32.1	30.6	29.0	27.5	25.9	24.4	23.1	21.7
-46.25°	35.1	33.9	32.4	30.9	29.4	27.9	26.4	24.9	23.5	22.2	20.9
-47.5°	33.9	32.5	31.1	29.6	28.2	26.7	25.3	23.9	22.7	21.4	20.1
-48.75°	32.5	31.1	29.8	28.4	27.0	25.6	24.2	23.0	21.8	20.5	19.4
-50°	31.1	29.8	28.4	27.1	25.7	24.4	23.2	22.1	20.8	19.7	18.7
-51.25°	29.6	28.4	27.1	25.8	24.5	23.4	22.2	21.1	20.0	19.0	18.0
-52.5°	28.2	27.0	25.7	24.5	23.4	22.3	21.2	20.2	19.2	18.2	17.2
-53.75°	26.7	25.6	24.4	23.4	22.3	21.3	20.2	19.3	18.4	17.4	16.6
-55°	25.3	24.2	23.2	22.2	21.2	20.2	19.4	18.5	17.5	16.7	16.0
-56.25°	23.9	23.0	22.1	21.1	20.2	19.3	18.5	17.6	16.8	16.1	15.4
-57.5°	22.7	21.8	20.8	20.0	19.2	18.4	17.5	16.8	16.1	15.4	14.8
-58.75°	21.4	20.5	19.7	19.0	18.2	17.4	16.7	16.1	15.4	14.8	14.1
-60°	20.1	19.4	18.7	18.0	17.2	16.6	16.0	15.4	14.8	14.1	13.8
-61.25°	19.0	18.3	17.6	16.9	16.4	15.8	15.2	14.7	14.1	13.8	13.5
-62.5°	17.9	17.2	16.6	16.1	15.6	15.0	14.5	14.0	13.7	13.5	13.2
-63.75°	16.8	16.3	15.8	15.3	14.8	14.3	13.9	13.7	13.4	13.1	12.9
-65°	15.9	15.4	15.0	14.5	14.0	13.8	13.6	13.3	13.0	12.8	12.4
-66.25°	15.0	14.5	14.1	13.9	13.6	13.4	13.2	12.9	12.7	12.3	12.0
-67.5°	14.1	13.9	13.7	13.5	13.2	13.0	12.8	12.5	12.2	11.8	11.5
-68.75°	13.6	13.4	13.2	13.0	12.8	12.6	12.3	12.0	11.6	11.3	11.0
-70°	13.2	13.0	12.8	12.6	12.3	12.0	11.7	11.4	11.1	10.8	10.4
-71.25°	12.7	12.5	12.2	11.9	11.7	11.4	11.1	10.8	10.5	10.2	9.8
-72.5°	12.0	11.8	11.6	11.3	11.1	10.8	10.5	10.2	9.8	9.5	9.1
-73.75°	11.4	11.1	10.9	10.7	10.4	10.1	9.7	9.4	9.1	8.7	8.4
-75°	10.7	10.4	10.1	9.8	9.6	9.3	9.0	8.7	8.4	8.0	7.7
-76.25°	9.7	9.5	9.2	9.0	8.7	8.4	8.2	7.9	7.6	7.3	7.0
-77.5°	8.8	8.6	8.4	8.1	7.9	7.6	7.4	7.1	6.8	6.6	6.3



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	7.9	7.7	7.5	7.2	7.0	6.8	6.6	6.3	6.1	5.8	5.6
-80°	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.9
-81.25°	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7	4.6	4.4	4.2
-82.5°	5.0	4.8	4.7	4.5	4.4	4.3	4.1	4.0	3.8	3.6	3.5
-83.75°	4.0	3.9	3.8	3.7	3.6	3.4	3.3	3.2	3.1	2.9	2.8
-85°	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1
-86.25°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.7	1.7	1.6	1.6
-87.5°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0
-88.75°	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	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: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6
86.25°	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9
85°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
83.75°	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
82.5°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.9	1.8
81.25°	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0
80°	4.7	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.7	2.4
78.75°	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.1	2.8
77.5°	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.5	3.2
76.25°	6.7	6.4	6.1	5.8	5.5	5.2	4.8	4.5	4.2	3.9	3.6
75°	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.3	4.0
73.75°	8.1	7.7	7.3	7.0	6.6	6.2	5.9	5.5	5.1	4.7	4.3
72.5°	8.7	8.3	8.0	7.6	7.2	6.8	6.4	5.9	5.5	5.1	4.7
71.25°	9.4	9.0	8.6	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1
70°	10.0	9.6	9.1	8.7	8.3	7.8	7.4	6.9	6.4	5.9	5.5
68.75°	10.6	10.2	9.7	9.3	8.8	8.3	7.9	7.4	6.9	6.4	5.9
67.5°	11.1	10.7	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2
66.25°	11.6	11.2	10.8	10.4	9.9	9.3	8.8	8.3	7.7	7.2	6.6
65°	12.1	11.7	11.2	10.8	10.4	9.8	9.3	8.7	8.1	7.6	7.0
63.75°	12.5	12.1	11.7	11.2	10.8	10.3	9.7	9.1	8.6	8.0	7.3
62.5°	12.9	12.5	12.1	11.7	11.2	10.7	10.2	9.6	9.0	8.3	7.7
61.25°	13.2	12.9	12.5	12.1	11.6	11.1	10.6	10.0	9.4	8.7	8.1
60°	13.5	13.2	12.9	12.4	12.0	11.5	11.0	10.4	9.8	9.1	8.4
58.75°	13.8	13.5	13.1	12.8	12.3	11.8	11.3	10.8	10.2	9.5	8.7
57.5°	14.1	13.7	13.4	13.0	12.7	12.2	11.6	11.1	10.5	9.8	9.1
56.25°	14.7	14.0	13.7	13.3	12.9	12.5	12.0	11.4	10.8	10.2	9.4
55°	15.2	14.5	13.9	13.6	13.2	12.8	12.3	11.7	11.1	10.5	9.7
53.75°	15.8	15.0	14.3	13.8	13.4	13.0	12.6	12.0	11.4	10.8	10.1
52.5°	16.4	15.6	14.8	14.0	13.6	13.2	12.8	12.3	11.7	11.1	10.4
51.25°	16.9	16.1	15.3	14.5	13.9	13.5	13.0	12.6	11.9	11.3	10.7
50°	17.6	16.6	15.8	15.0	14.1	13.7	13.2	12.8	12.2	11.6	10.9
48.75°	18.3	17.2	16.3	15.4	14.5	13.9	13.4	13.0	12.5	11.8	11.1
47.5°	19.0	17.9	16.8	15.9	15.0	14.1	13.6	13.2	12.7	12.0	11.4
46.25°	19.7	18.5	17.3	16.3	15.4	14.5	13.8	13.4	12.9	12.3	11.6
45°	20.3	19.1	17.9	16.8	15.8	14.9	14.0	13.5	13.1	12.5	11.8
43.75°	21.1	19.8	18.5	17.3	16.2	15.3	14.3	13.7	13.2	12.7	12.0
42.5°	21.8	20.4	19.1	17.8	16.6	15.7	14.7	13.9	13.4	12.9	12.2
41.25°	22.5	21.0	19.7	18.4	17.1	16.0	15.0	14.0	13.5	13.0	12.4
40°	23.2	21.7	20.2	18.9	17.6	16.4	15.4	14.3	13.7	13.2	12.6
38.75°	23.9	22.4	20.8	19.4	18.1	16.7	15.7	14.6	13.8	13.3	12.8
37.5°	24.6	23.0	21.4	19.9	18.5	17.2	16.0	14.9	14.0	13.4	12.9
36.25°	25.3	23.6	22.0	20.4	19.0	17.6	16.3	15.2	14.1	13.6	13.0
35°	26.1	24.2	22.6	20.9	19.4	18.0	16.6	15.5	14.4	13.7	13.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	26.8	24.9	23.1	21.5	19.9	18.4	17.0	15.8	14.7	13.8	13.2
32.5°	27.5	25.5	23.7	22.0	20.3	18.8	17.3	16.1	14.9	13.9	13.3
31.25°	28.2	26.2	24.2	22.5	20.7	19.2	17.7	16.3	15.2	14.0	13.5
30°	28.8	26.8	24.7	23.0	21.2	19.6	18.0	16.6	15.4	14.2	13.6
28.75°	29.5	27.4	25.3	23.4	21.6	19.9	18.4	16.8	15.6	14.4	13.7
27.5°	30.1	28.0	25.9	23.9	22.1	20.3	18.7	17.1	15.9	14.6	13.7
26.25°	30.7	28.6	26.4	24.3	22.5	20.6	19.0	17.4	16.1	14.8	13.8
25°	31.3	29.1	26.9	24.7	22.9	21.0	19.3	17.7	16.3	15.0	13.9
23.75°	31.8	29.6	27.4	25.2	23.2	21.3	19.6	18.0	16.5	15.2	14.0
22.5°	32.4	30.1	27.9	25.6	23.6	21.7	19.9	18.2	16.6	15.4	14.1
21.25°	32.9	30.6	28.3	26.1	23.9	22.0	20.1	18.5	16.8	15.5	14.2
20°	33.3	31.0	28.7	26.5	24.3	22.3	20.4	18.7	17.0	15.7	14.4
18.75°	33.8	31.5	29.1	26.8	24.6	22.6	20.6	18.9	17.2	15.8	14.5
17.5°	34.2	31.9	29.5	27.2	24.9	22.9	20.9	19.1	17.4	16.0	14.6
16.25°	34.6	32.2	29.9	27.5	25.2	23.1	21.1	19.3	17.6	16.1	14.8
15°	34.9	32.6	30.2	27.8	25.5	23.3	21.3	19.5	17.7	16.2	14.9
13.75°	35.1	32.9	30.5	28.1	25.7	23.6	21.5	19.6	17.9	16.3	15.0
12.5°	35.3	33.2	30.8	28.4	26.0	23.8	21.7	19.8	18.0	16.4	15.1
11.25°	35.5	33.5	31.0	28.6	26.2	23.9	21.9	19.9	18.2	16.5	15.1
10°	35.7	33.7	31.2	28.8	26.4	24.1	22.0	20.0	18.3	16.6	15.2
8.75°	35.8	33.9	31.4	29.0	26.6	24.2	22.2	20.2	18.4	16.7	15.3
7.5°	36.0	34.1	31.6	29.2	26.7	24.4	22.3	20.2	18.5	16.7	15.3
6.25°	36.1	34.2	31.8	29.3	26.9	24.5	22.4	20.3	18.5	16.8	15.4
5°	36.2	34.4	31.9	29.4	27.0	24.5	22.5	20.4	18.6	16.8	15.4
3.75°	36.3	34.5	32.0	29.5	27.0	24.6	22.5	20.4	18.6	16.9	15.5
2.5°	36.3	34.5	32.0	29.6	27.1	24.7	22.6	20.5	18.7	16.9	15.5
1.25°	36.3	34.6	32.1	29.6	27.1	24.7	22.6	20.5	18.7	16.9	15.5
0°	36.4	34.6	32.1	29.6	27.2	24.7	22.6	20.5	18.7	16.9	15.5
-1.25°	36.3	34.6	32.1	29.6	27.1	24.7	22.6	20.5	18.7	16.9	15.5
-2.5°	36.3	34.5	32.0	29.6	27.1	24.7	22.6	20.5	18.7	16.9	15.5
-3.75°	36.3	34.5	32.0	29.5	27.0	24.6	22.5	20.4	18.6	16.9	15.5
-5°	36.2	34.4	31.9	29.4	27.0	24.5	22.5	20.4	18.6	16.8	15.4
-6.25°	36.1	34.2	31.8	29.3	26.9	24.5	22.4	20.3	18.5	16.8	15.4
-7.5°	36.0	34.1	31.6	29.2	26.7	24.4	22.3	20.2	18.5	16.7	15.3
-8.75°	35.8	33.9	31.4	29.0	26.6	24.2	22.2	20.2	18.4	16.7	15.3
-10°	35.7	33.7	31.2	28.8	26.4	24.1	22.0	20.0	18.3	16.6	15.2
-11.25°	35.5	33.5	31.0	28.6	26.2	23.9	21.9	19.9	18.2	16.5	15.1
-12.5°	35.3	33.2	30.8	28.4	26.0	23.8	21.7	19.8	18.0	16.4	15.1
-13.75°	35.1	32.9	30.5	28.1	25.7	23.6	21.5	19.6	17.9	16.3	15.0
-15°	34.9	32.6	30.2	27.8	25.5	23.3	21.3	19.5	17.7	16.2	14.9
-16.25°	34.6	32.2	29.9	27.5	25.2	23.1	21.1	19.3	17.6	16.1	14.8
-17.5°	34.2	31.9	29.5	27.2	24.9	22.9	20.9	19.1	17.4	16.0	14.6
-18.75°	33.8	31.5	29.1	26.8	24.6	22.6	20.6	18.9	17.2	15.8	14.5
-20°	33.3	31.0	28.7	26.5	24.3	22.3	20.4	18.7	17.0	15.7	14.4
-21.25°	32.9	30.6	28.3	26.1	23.9	22.0	20.1	18.5	16.8	15.5	14.2



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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°	32.4	30.1	27.9	25.6	23.6	21.7	19.9	18.2	16.6	15.4	14.1
-23.75°	31.8	29.6	27.4	25.2	23.2	21.3	19.6	18.0	16.5	15.2	14.0
-25°	31.3	29.1	26.9	24.7	22.9	21.0	19.3	17.7	16.3	15.0	13.9
-26.25°	30.7	28.6	26.4	24.3	22.5	20.6	19.0	17.4	16.1	14.8	13.8
-27.5°	30.1	28.0	25.9	23.9	22.1	20.3	18.7	17.1	15.9	14.6	13.7
-28.75°	29.5	27.4	25.3	23.4	21.6	19.9	18.4	16.8	15.6	14.4	13.7
-30°	28.8	26.8	24.7	23.0	21.2	19.6	18.0	16.6	15.4	14.2	13.6
-31.25°	28.2	26.2	24.2	22.5	20.7	19.2	17.7	16.3	15.2	14.0	13.5
-32.5°	27.5	25.5	23.7	22.0	20.3	18.8	17.3	16.1	14.9	13.9	13.3
-33.75°	26.8	24.9	23.1	21.5	19.9	18.4	17.0	15.8	14.7	13.8	13.2
-35°	26.1	24.2	22.6	20.9	19.4	18.0	16.6	15.5	14.4	13.7	13.1
-36.25°	25.3	23.6	22.0	20.4	19.0	17.6	16.3	15.2	14.1	13.6	13.0
-37.5°	24.6	23.0	21.4	19.9	18.5	17.2	16.0	14.9	14.0	13.4	12.9
-38.75°	23.9	22.4	20.8	19.4	18.1	16.7	15.7	14.6	13.8	13.3	12.8
-40°	23.2	21.7	20.2	18.9	17.6	16.4	15.4	14.3	13.7	13.2	12.6
-41.25°	22.5	21.0	19.7	18.4	17.1	16.0	15.0	14.0	13.5	13.0	12.4
-42.5°	21.8	20.4	19.1	17.8	16.6	15.7	14.7	13.9	13.4	12.9	12.2
-43.75°	21.1	19.8	18.5	17.3	16.2	15.3	14.3	13.7	13.2	12.7	12.0
-45°	20.3	19.1	17.9	16.8	15.8	14.9	14.0	13.5	13.1	12.5	11.8
-46.25°	19.7	18.5	17.3	16.3	15.4	14.5	13.8	13.4	12.9	12.3	11.6
-47.5°	19.0	17.9	16.8	15.9	15.0	14.1	13.6	13.2	12.7	12.0	11.4
-48.75°	18.3	17.2	16.3	15.4	14.5	13.9	13.4	13.0	12.5	11.8	11.1
-50°	17.6	16.6	15.8	15.0	14.1	13.7	13.2	12.8	12.2	11.6	10.9
-51.25°	16.9	16.1	15.3	14.5	13.9	13.5	13.0	12.6	11.9	11.3	10.7
-52.5°	16.4	15.6	14.8	14.0	13.6	13.2	12.8	12.3	11.7	11.1	10.4
-53.75°	15.8	15.0	14.3	13.8	13.4	13.0	12.6	12.0	11.4	10.8	10.1
-55°	15.2	14.5	13.9	13.6	13.2	12.8	12.3	11.7	11.1	10.5	9.7
-56.25°	14.7	14.0	13.7	13.3	12.9	12.5	12.0	11.4	10.8	10.2	9.4
-57.5°	14.1	13.7	13.4	13.0	12.7	12.2	11.6	11.1	10.5	9.8	9.1
-58.75°	13.8	13.5	13.1	12.8	12.3	11.8	11.3	10.8	10.2	9.5	8.7
-60°	13.5	13.2	12.9	12.4	12.0	11.5	11.0	10.4	9.8	9.1	8.4
-61.25°	13.2	12.9	12.5	12.1	11.6	11.1	10.6	10.0	9.4	8.7	8.1
-62.5°	12.9	12.5	12.1	11.7	11.2	10.7	10.2	9.6	9.0	8.3	7.7
-63.75°	12.5	12.1	11.7	11.2	10.8	10.3	9.7	9.1	8.6	8.0	7.3
-65°	12.1	11.7	11.2	10.8	10.4	9.8	9.3	8.7	8.1	7.6	7.0
-66.25°	11.6	11.2	10.8	10.4	9.9	9.3	8.8	8.3	7.7	7.2	6.6
-67.5°	11.1	10.7	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2
-68.75°	10.6	10.2	9.7	9.3	8.8	8.3	7.9	7.4	6.9	6.4	5.9
-70°	10.0	9.6	9.1	8.7	8.3	7.8	7.4	6.9	6.4	5.9	5.5
-71.25°	9.4	9.0	8.6	8.1	7.7	7.3	6.9	6.4	6.0	5.5	5.1
-72.5°	8.7	8.3	8.0	7.6	7.2	6.8	6.4	5.9	5.5	5.1	4.7
-73.75°	8.1	7.7	7.3	7.0	6.6	6.2	5.9	5.5	5.1	4.7	4.3
-75°	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.3	4.0
-76.25°	6.7	6.4	6.1	5.8	5.5	5.2	4.8	4.5	4.2	3.9	3.6
-77.5°	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8	3.5	3.2



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.1	2.8
-80°	4.7	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.7	2.4
-81.25°	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0
-82.5°	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.9	1.8
-83.75°	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
-85°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
-86.25°	1.5	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9	0.9
-87.5°	1.0	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6
-88.75°	0.5	0.5	0.5	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: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.0
87.5°	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
86.25°	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
85°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
83.75°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
82.5°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
81.25°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
80°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
78.75°	2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
77.5°	2.9	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
76.25°	3.3	2.9	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
75°	3.6	3.3	2.9	2.5	2.2	1.9	1.6	1.4	1.1	0.8	0.5
73.75°	4.0	3.6	3.2	2.8	2.4	2.0	1.8	1.5	1.2	0.9	0.6
72.5°	4.3	3.9	3.5	3.1	2.7	2.2	1.9	1.6	1.3	0.9	0.6
71.25°	4.6	4.2	3.8	3.3	2.9	2.4	2.0	1.7	1.3	1.0	0.7
70°	5.0	4.5	4.1	3.6	3.1	2.6	2.2	1.8	1.4	1.1	0.7
68.75°	5.3	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.5	1.1	0.8
67.5°	5.7	5.2	4.6	4.1	3.6	3.0	2.5	2.0	1.6	1.2	0.8
66.25°	6.0	5.5	4.9	4.3	3.8	3.2	2.7	2.1	1.7	1.3	0.8
65°	6.4	5.8	5.2	4.6	4.0	3.4	2.8	2.3	1.8	1.3	0.9
63.75°	6.7	6.1	5.5	4.8	4.2	3.6	3.0	2.4	1.9	1.4	0.9
62.5°	7.1	6.4	5.8	5.1	4.5	3.8	3.2	2.5	1.9	1.5	1.0
61.25°	7.4	6.7	6.0	5.3	4.7	4.0	3.3	2.7	2.0	1.5	1.0
60°	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.6	1.0
58.75°	8.0	7.3	6.6	5.8	5.1	4.4	3.6	2.9	2.2	1.6	1.1
57.5°	8.4	7.6	6.8	6.1	5.3	4.6	3.8	3.1	2.3	1.7	1.1
56.25°	8.7	7.9	7.1	6.3	5.5	4.7	4.0	3.2	2.4	1.7	1.2
55°	9.0	8.2	7.4	6.6	5.7	4.9	4.1	3.3	2.5	1.8	1.2
53.75°	9.3	8.4	7.6	6.8	5.9	5.1	4.3	3.4	2.6	1.9	1.2
52.5°	9.6	8.7	7.9	7.0	6.1	5.3	4.4	3.6	2.7	1.9	1.3
51.25°	9.8	9.0	8.1	7.2	6.3	5.4	4.5	3.7	2.8	2.0	1.3
50°	10.1	9.2	8.4	7.5	6.5	5.6	4.7	3.8	2.9	2.0	1.3
48.75°	10.4	9.5	8.6	7.7	6.7	5.8	4.8	3.9	3.0	2.1	1.4
47.5°	10.7	9.7	8.8	7.9	6.9	5.9	5.0	4.0	3.1	2.1	1.4
46.25°	10.9	10.0	9.0	8.1	7.1	6.1	5.1	4.1	3.2	2.2	1.5
45°	11.1	10.2	9.3	8.3	7.3	6.3	5.2	4.2	3.3	2.3	1.5
43.75°	11.3	10.5	9.5	8.5	7.5	6.4	5.4	4.4	3.3	2.3	1.5
42.5°	11.4	10.7	9.7	8.7	7.6	6.6	5.5	4.5	3.4	2.4	1.5
41.25°	11.6	10.8	9.9	8.8	7.8	6.7	5.6	4.6	3.5	2.5	1.6
40°	11.8	11.0	10.1	9.0	8.0	6.9	5.8	4.7	3.6	2.5	1.6
38.75°	12.0	11.2	10.3	9.2	8.1	7.0	5.9	4.8	3.7	2.6	1.6
37.5°	12.2	11.3	10.5	9.4	8.3	7.1	6.0	4.8	3.7	2.6	1.7
36.25°	12.3	11.5	10.6	9.5	8.4	7.3	6.1	4.9	3.8	2.7	1.7
35°	12.5	11.6	10.8	9.7	8.6	7.4	6.2	5.0	3.9	2.7	1.7



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	12.6	11.8	10.9	9.9	8.7	7.5	6.3	5.1	4.0	2.8	1.7
32.5°	12.8	11.9	11.0	10.0	8.8	7.7	6.4	5.2	4.0	2.8	1.8
31.25°	12.9	12.0	11.2	10.2	9.0	7.8	6.5	5.3	4.1	2.9	1.8
30°	13.0	12.2	11.3	10.3	9.1	7.9	6.6	5.4	4.1	2.9	1.8
28.75°	13.0	12.3	11.4	10.4	9.2	8.0	6.7	5.5	4.2	3.0	1.8
27.5°	13.1	12.4	11.5	10.6	9.3	8.1	6.8	5.5	4.3	3.0	1.9
26.25°	13.2	12.5	11.6	10.7	9.4	8.2	6.9	5.6	4.3	3.1	1.9
25°	13.3	12.6	11.7	10.8	9.5	8.3	7.0	5.7	4.4	3.1	1.9
23.75°	13.4	12.7	11.8	10.8	9.6	8.4	7.1	5.7	4.4	3.1	1.9
22.5°	13.4	12.8	11.9	10.9	9.7	8.4	7.1	5.8	4.5	3.2	1.9
21.25°	13.5	12.9	12.0	11.0	9.8	8.5	7.2	5.9	4.5	3.2	2.0
20°	13.6	12.9	12.1	11.1	9.9	8.6	7.3	5.9	4.6	3.2	2.0
18.75°	13.6	13.0	12.1	11.1	10.0	8.7	7.3	6.0	4.6	3.3	2.0
17.5°	13.7	13.0	12.2	11.2	10.1	8.7	7.4	6.0	4.6	3.3	2.0
16.25°	13.8	13.1	12.3	11.3	10.1	8.8	7.5	6.1	4.7	3.3	2.0
15°	13.8	13.1	12.3	11.3	10.2	8.9	7.5	6.1	4.7	3.4	2.0
13.75°	13.9	13.2	12.4	11.4	10.3	8.9	7.5	6.1	4.7	3.4	2.0
12.5°	13.9	13.2	12.4	11.4	10.3	9.0	7.6	6.2	4.8	3.4	2.1
11.25°	13.9	13.2	12.5	11.5	10.4	9.0	7.6	6.2	4.8	3.4	2.1
10°	14.0	13.3	12.5	11.5	10.4	9.0	7.7	6.2	4.8	3.4	2.1
8.75°	14.0	13.3	12.6	11.5	10.5	9.1	7.7	6.3	4.8	3.5	2.1
7.5°	14.0	13.3	12.6	11.6	10.5	9.1	7.7	6.3	4.9	3.5	2.1
6.25°	14.0	13.4	12.6	11.6	10.5	9.1	7.7	6.3	4.9	3.5	2.1
5°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
3.75°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
2.5°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
1.25°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
0°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
-1.25°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
-2.5°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
-3.75°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
-5°	14.1	13.4	12.7	11.6	10.6	9.2	7.8	6.3	4.9	3.5	2.1
-6.25°	14.0	13.4	12.6	11.6	10.5	9.1	7.7	6.3	4.9	3.5	2.1
-7.5°	14.0	13.3	12.6	11.6	10.5	9.1	7.7	6.3	4.9	3.5	2.1
-8.75°	14.0	13.3	12.6	11.5	10.5	9.1	7.7	6.3	4.8	3.5	2.1
-10°	14.0	13.3	12.5	11.5	10.4	9.0	7.7	6.2	4.8	3.4	2.1
-11.25°	13.9	13.2	12.5	11.5	10.4	9.0	7.6	6.2	4.8	3.4	2.1
-12.5°	13.9	13.2	12.4	11.4	10.3	9.0	7.6	6.2	4.8	3.4	2.1
-13.75°	13.9	13.2	12.4	11.4	10.3	8.9	7.5	6.1	4.7	3.4	2.0
-15°	13.8	13.1	12.3	11.3	10.2	8.9	7.5	6.1	4.7	3.4	2.0
-16.25°	13.8	13.1	12.3	11.3	10.1	8.8	7.5	6.1	4.7	3.3	2.0
-17.5°	13.7	13.0	12.2	11.2	10.1	8.7	7.4	6.0	4.6	3.3	2.0
-18.75°	13.6	13.0	12.1	11.1	10.0	8.7	7.3	6.0	4.6	3.3	2.0
-20°	13.6	12.9	12.1	11.1	9.9	8.6	7.3	5.9	4.6	3.2	2.0
-21.25°	13.5	12.9	12.0	11.0	9.8	8.5	7.2	5.9	4.5	3.2	2.0



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	13.4	12.8	11.9	10.9	9.7	8.4	7.1	5.8	4.5	3.2	1.9
-23.75°	13.4	12.7	11.8	10.8	9.6	8.4	7.1	5.7	4.4	3.1	1.9
-25°	13.3	12.6	11.7	10.8	9.5	8.3	7.0	5.7	4.4	3.1	1.9
-26.25°	13.2	12.5	11.6	10.7	9.4	8.2	6.9	5.6	4.3	3.1	1.9
-27.5°	13.1	12.4	11.5	10.6	9.3	8.1	6.8	5.5	4.3	3.0	1.9
-28.75°	13.0	12.3	11.4	10.4	9.2	8.0	6.7	5.5	4.2	3.0	1.8
-30°	13.0	12.2	11.3	10.3	9.1	7.9	6.6	5.4	4.1	2.9	1.8
-31.25°	12.9	12.0	11.2	10.2	9.0	7.8	6.5	5.3	4.1	2.9	1.8
-32.5°	12.8	11.9	11.0	10.0	8.8	7.7	6.4	5.2	4.0	2.8	1.8
-33.75°	12.6	11.8	10.9	9.9	8.7	7.5	6.3	5.1	4.0	2.8	1.7
-35°	12.5	11.6	10.8	9.7	8.6	7.4	6.2	5.0	3.9	2.7	1.7
-36.25°	12.3	11.5	10.6	9.5	8.4	7.3	6.1	4.9	3.8	2.7	1.7
-37.5°	12.2	11.3	10.5	9.4	8.3	7.1	6.0	4.8	3.7	2.6	1.7
-38.75°	12.0	11.2	10.3	9.2	8.1	7.0	5.9	4.8	3.7	2.6	1.6
-40°	11.8	11.0	10.1	9.0	8.0	6.9	5.8	4.7	3.6	2.5	1.6
-41.25°	11.6	10.8	9.9	8.8	7.8	6.7	5.6	4.6	3.5	2.5	1.6
-42.5°	11.4	10.7	9.7	8.7	7.6	6.6	5.5	4.5	3.4	2.4	1.5
-43.75°	11.3	10.5	9.5	8.5	7.5	6.4	5.4	4.4	3.3	2.3	1.5
-45°	11.1	10.2	9.3	8.3	7.3	6.3	5.2	4.2	3.3	2.3	1.5
-46.25°	10.9	10.0	9.0	8.1	7.1	6.1	5.1	4.1	3.2	2.2	1.5
-47.5°	10.7	9.7	8.8	7.9	6.9	5.9	5.0	4.0	3.1	2.1	1.4
-48.75°	10.4	9.5	8.6	7.7	6.7	5.8	4.8	3.9	3.0	2.1	1.4
-50°	10.1	9.2	8.4	7.5	6.5	5.6	4.7	3.8	2.9	2.0	1.3
-51.25°	9.8	9.0	8.1	7.2	6.3	5.4	4.5	3.7	2.8	2.0	1.3
-52.5°	9.6	8.7	7.9	7.0	6.1	5.3	4.4	3.6	2.7	1.9	1.3
-53.75°	9.3	8.4	7.6	6.8	5.9	5.1	4.3	3.4	2.6	1.9	1.2
-55°	9.0	8.2	7.4	6.6	5.7	4.9	4.1	3.3	2.5	1.8	1.2
-56.25°	8.7	7.9	7.1	6.3	5.5	4.7	4.0	3.2	2.4	1.7	1.2
-57.5°	8.4	7.6	6.8	6.1	5.3	4.6	3.8	3.1	2.3	1.7	1.1
-58.75°	8.0	7.3	6.6	5.8	5.1	4.4	3.6	2.9	2.2	1.6	1.1
-60°	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.6	1.0
-61.25°	7.4	6.7	6.0	5.3	4.7	4.0	3.3	2.7	2.0	1.5	1.0
-62.5°	7.1	6.4	5.8	5.1	4.5	3.8	3.2	2.5	1.9	1.5	1.0
-63.75°	6.7	6.1	5.5	4.8	4.2	3.6	3.0	2.4	1.9	1.4	0.9
-65°	6.4	5.8	5.2	4.6	4.0	3.4	2.8	2.3	1.8	1.3	0.9
-66.25°	6.0	5.5	4.9	4.3	3.8	3.2	2.7	2.1	1.7	1.3	0.8
-67.5°	5.7	5.2	4.6	4.1	3.6	3.0	2.5	2.0	1.6	1.2	0.8
-68.75°	5.3	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.5	1.1	0.8
-70°	5.0	4.5	4.1	3.6	3.1	2.6	2.2	1.8	1.4	1.1	0.7
-71.25°	4.6	4.2	3.8	3.3	2.9	2.4	2.0	1.7	1.3	1.0	0.7
-72.5°	4.3	3.9	3.5	3.1	2.7	2.2	1.9	1.6	1.3	0.9	0.6
-73.75°	4.0	3.6	3.2	2.8	2.4	2.0	1.8	1.5	1.2	0.9	0.6
-75°	3.6	3.3	2.9	2.5	2.2	1.9	1.6	1.4	1.1	0.8	0.5
-76.25°	3.3	2.9	2.6	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
-77.5°	2.9	2.6	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5



REPORT NUMBER: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-80°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-81.25°	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.6	0.5	0.3
-82.5°	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-83.75°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-85°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
-86.25°	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-87.5°	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-88.75°	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	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: P220481 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-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°	0.1	0.0
85°	0.1	0.0
83.75°	0.1	0.0
82.5°	0.1	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.2	0.0
77.5°	0.2	0.0
76.25°	0.2	0.0
75°	0.3	0.0
73.75°	0.3	0.0
72.5°	0.3	0.0
71.25°	0.3	0.0
70°	0.4	0.0
68.75°	0.4	0.0
67.5°	0.4	0.0
66.25°	0.4	0.0
65°	0.4	0.0
63.75°	0.5	0.0
62.5°	0.5	0.0
61.25°	0.5	0.0
60°	0.5	0.0
58.75°	0.5	0.0
57.5°	0.6	0.0
56.25°	0.6	0.0
55°	0.6	0.0
53.75°	0.6	0.0
52.5°	0.6	0.0
51.25°	0.7	0.0
50°	0.7	0.0
48.75°	0.7	0.0
47.5°	0.7	0.0
46.25°	0.7	0.0
45°	0.7	0.0
43.75°	0.8	0.0
42.5°	0.8	0.0
41.25°	0.8	0.0
40°	0.8	0.0
38.75°	0.8	0.0
37.5°	0.8	0.0
36.25°	0.8	0.0
35°	0.9	0.0



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.9	0.0
32.5°	0.9	0.0
31.25°	0.9	0.0
30°	0.9	0.0
28.75°	0.9	0.0
27.5°	0.9	0.0
26.25°	0.9	0.0
25°	1.0	0.0
23.75°	1.0	0.0
22.5°	1.0	0.0
21.25°	1.0	0.0
20°	1.0	0.0
18.75°	1.0	0.0
17.5°	1.0	0.0
16.25°	1.0	0.0
15°	1.0	0.0
13.75°	1.0	0.0
12.5°	1.0	0.0
11.25°	1.0	0.0
10°	1.0	0.0
8.75°	1.0	0.0
7.5°	1.0	0.0
6.25°	1.0	0.0
5°	1.0	0.0
3.75°	1.0	0.0
2.5°	1.0	0.0
1.25°	1.0	0.0
0°	1.0	0.0
-1.25°	1.0	0.0
-2.5°	1.0	0.0
-3.75°	1.0	0.0
-5°	1.0	0.0
-6.25°	1.0	0.0
-7.5°	1.0	0.0
-8.75°	1.0	0.0
-10°	1.0	0.0
-11.25°	1.0	0.0
-12.5°	1.0	0.0
-13.75°	1.0	0.0
-15°	1.0	0.0
-16.25°	1.0	0.0
-17.5°	1.0	0.0
-18.75°	1.0	0.0
-20°	1.0	0.0
-21.25°	1.0	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.0	0.0
-23.75°	1.0	0.0
-25°	1.0	0.0
-26.25°	0.9	0.0
-27.5°	0.9	0.0
-28.75°	0.9	0.0
-30°	0.9	0.0
-31.25°	0.9	0.0
-32.5°	0.9	0.0
-33.75°	0.9	0.0
-35°	0.9	0.0
-36.25°	0.8	0.0
-37.5°	0.8	0.0
-38.75°	0.8	0.0
-40°	0.8	0.0
-41.25°	0.8	0.0
-42.5°	0.8	0.0
-43.75°	0.8	0.0
-45°	0.7	0.0
-46.25°	0.7	0.0
-47.5°	0.7	0.0
-48.75°	0.7	0.0
-50°	0.7	0.0
-51.25°	0.7	0.0
-52.5°	0.6	0.0
-53.75°	0.6	0.0
-55°	0.6	0.0
-56.25°	0.6	0.0
-57.5°	0.6	0.0
-58.75°	0.5	0.0
-60°	0.5	0.0
-61.25°	0.5	0.0
-62.5°	0.5	0.0
-63.75°	0.5	0.0
-65°	0.4	0.0
-66.25°	0.4	0.0
-67.5°	0.4	0.0
-68.75°	0.4	0.0
-70°	0.4	0.0
-71.25°	0.3	0.0
-72.5°	0.3	0.0
-73.75°	0.3	0.0
-75°	0.3	0.0
-76.25°	0.2	0.0
-77.5°	0.2	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-F-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)