

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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

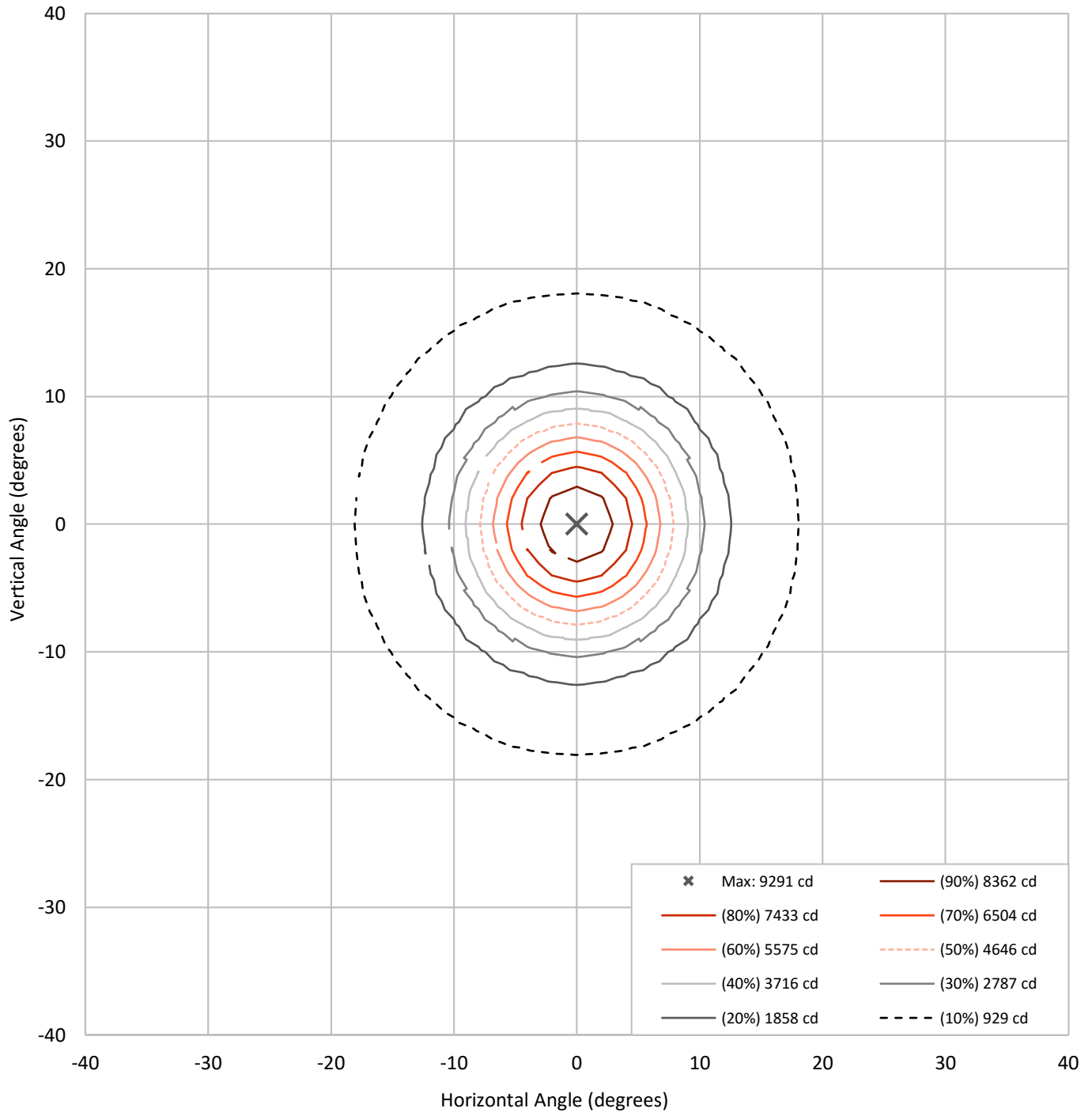
Test Method: LM-79-08
Report Number: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	1267.2 lumens	Max Intensity:	9291 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	63.0 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	386.6 lumens	Field Lumens:	853.2 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





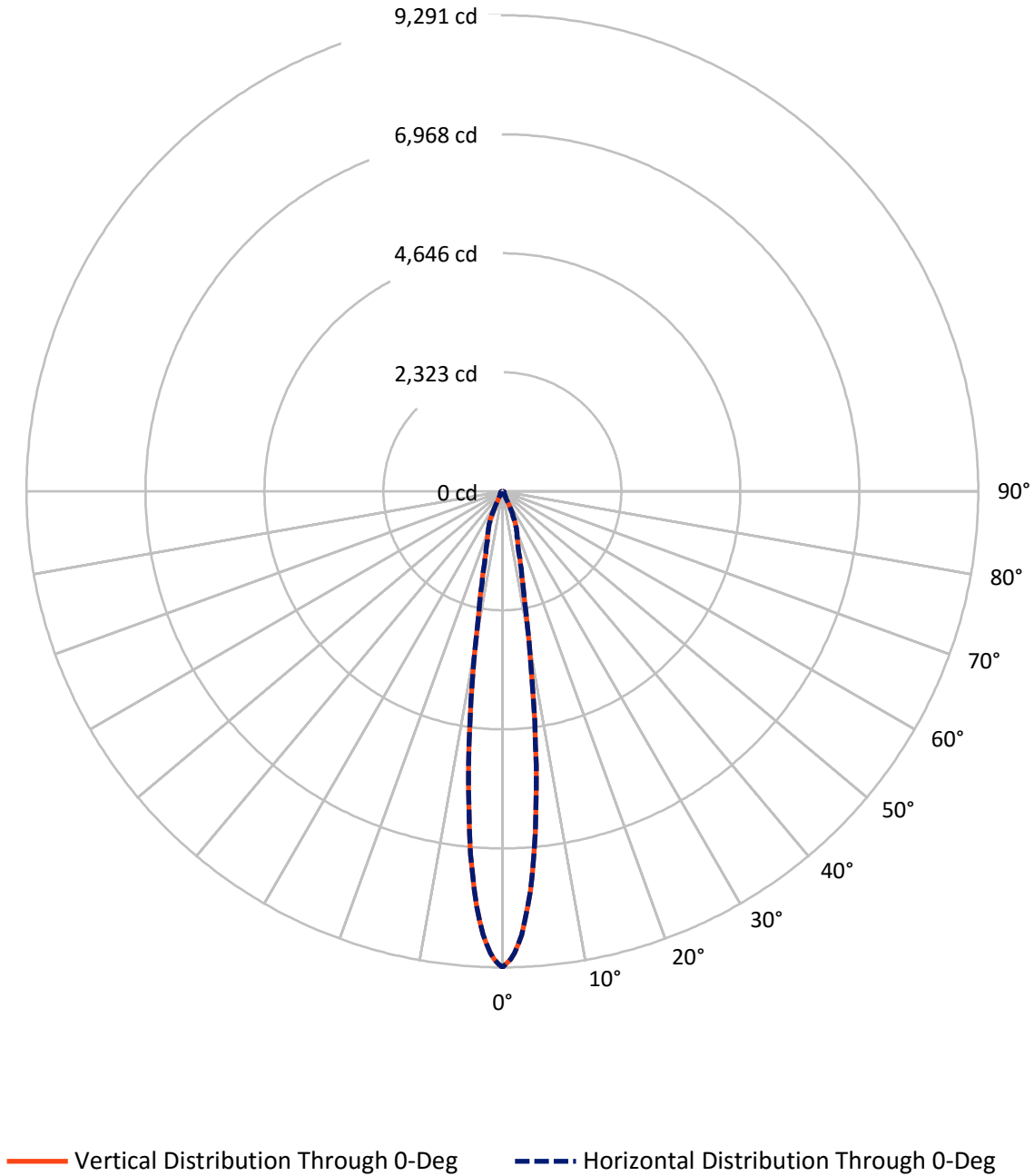
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Lumen Table

90	0.0	0.3	0.8	1.1	1.3	1.1	0.8	0.3	0.0										
80	0.0	0.3	0.8	1.1	1.3	1.1	0.8	0.3	0.0										
70	0.2	0.1	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.1	0.2			
60		0.2	0.4	0.6	1.0	1.2	1.3	1.4	1.4	1.3	1.2	1.0	0.6	0.4	0.2				
50	0.2	0.2	0.5	0.9	1.2	1.3	1.5	1.5	1.5	1.5	1.3	1.2	0.9	0.5	0.2	0.2			
40		0.3	0.7	1.0	1.2	1.5	1.7	2.0	2.0	1.7	1.5	1.2	1.0	0.7	0.3				
30	0.3	0.4	0.8	1.0	1.3	1.8	4.7	10.8	10.8	4.7	1.8	1.3	1.0	0.8	0.4	0.3			
20		0.4	0.8	1.1	1.5	4.4	20.7	38.2	38.2	20.7	4.4	1.5	1.1	0.8	0.4				
10	0.3	0.4	0.8	1.1	1.6	9.9	37.2	148.6	148.6	37.2	9.9	1.6	1.1	0.8	0.4	0.3			
0		0.4	0.8	1.1	1.6	9.9	37.2	148.6	148.6	37.2	9.9	1.6	1.1	0.8	0.4				
-10	0.3	0.4	0.8	1.1	1.5	4.4	20.7	38.2	38.2	20.7	4.4	1.5	1.1	0.8	0.4	0.3			
-20		0.4	0.8	1.0	1.3	1.8	4.7	10.8	10.8	4.7	1.8	1.3	1.0	0.8	0.4				
-30	0.2	0.3	0.7	1.0	1.2	1.5	1.7	2.0	2.0	1.7	1.5	1.2	1.0	0.7	0.3	0.2			
-40		0.2	0.5	0.9	1.2	1.3	1.5	1.5	1.5	1.5	1.3	1.2	0.9	0.5	0.2				
-50	0.2	0.2	0.4	0.6	1.0	1.2	1.3	1.4	1.4	1.3	1.2	1.0	0.6	0.4	0.2	0.2			
-60		0.1	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.1				
-70	0.0	0.3	0.8	1.1	1.3	1.1	0.8	0.3	0.0							0.0			
-80		0.3	0.8	1.1	1.3	1.1	0.8	0.3	0.0										
-90	0.0	0.3	0.8	1.1	1.3	1.1	0.8	0.3	0.0										

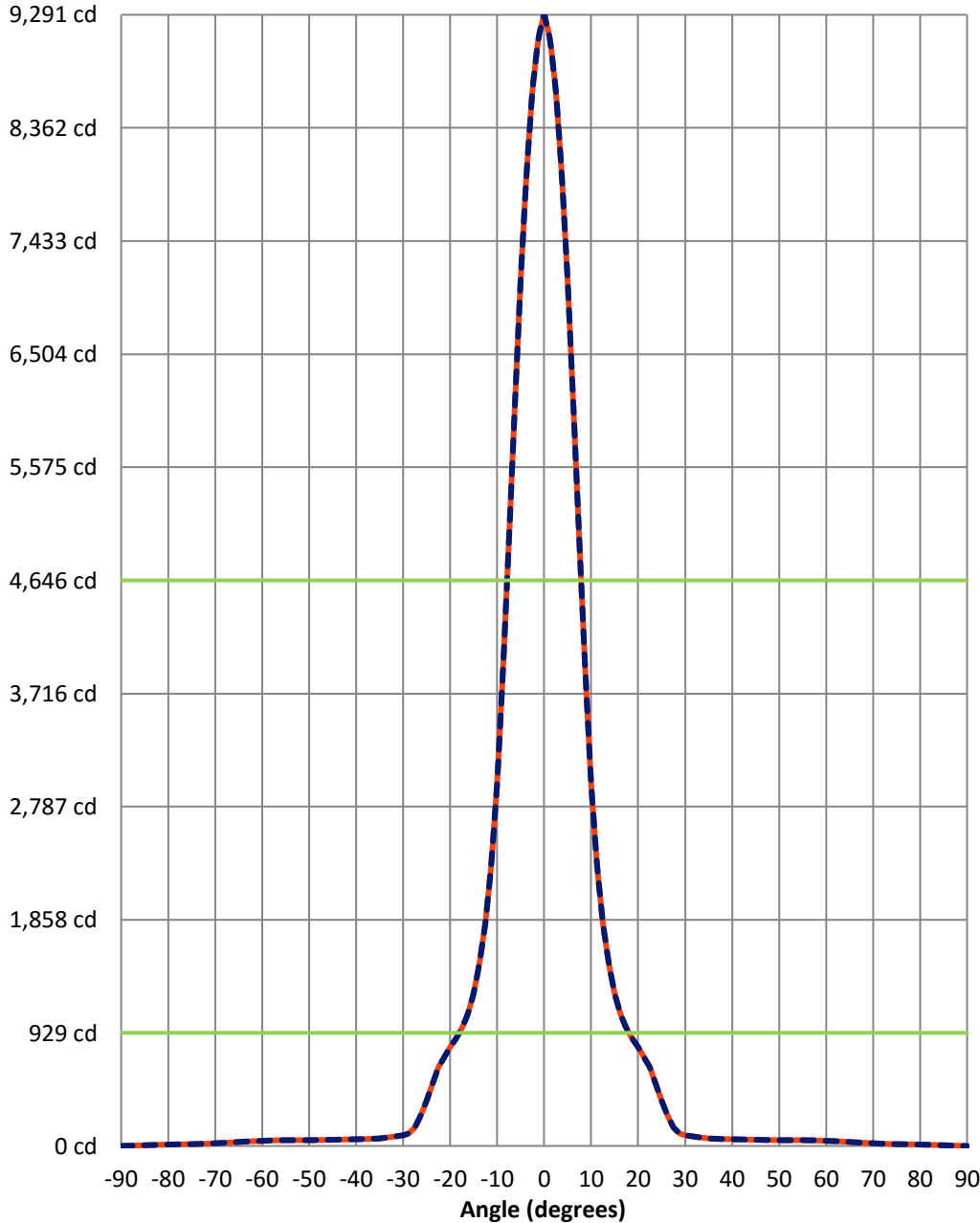
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 15.8°
 V Angle: 15.8°
 Lumens: 386.6
 Efficiency: 30.5%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 853.2
 Efficiency: 67.3%

Spill:
 Lumens: 414
 Efficiency: 32.7%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.0	0.1	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	2.4
76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.7
75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.7	3.1
73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.5	3.0	3.5
72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.3	2.8	3.3	3.8
71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.5	3.1	3.6	4.2
70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.8	3.4	4.0	4.5
68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.4	3.0	3.7	4.3	4.9
67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.6	3.3	3.9	4.6	5.3
66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.8	3.5	4.2	4.9	5.6
65°	0.0	0.4	0.9	1.3	1.8	2.3	3.0	3.8	4.5	5.2	5.9
63.75°	0.0	0.5	0.9	1.4	1.9	2.5	3.2	4.0	4.8	5.5	6.2
62.5°	0.0	0.5	1.0	1.5	1.9	2.6	3.4	4.2	5.0	5.8	6.5
61.25°	0.0	0.5	1.0	1.5	2.0	2.8	3.6	4.5	5.3	6.0	6.7
60°	0.0	0.5	1.0	1.6	2.1	3.0	3.8	4.7	5.6	6.3	7.0
58.75°	0.0	0.5	1.1	1.6	2.2	3.1	4.0	4.9	5.8	6.5	7.3
57.5°	0.0	0.6	1.1	1.7	2.4	3.3	4.2	5.2	6.0	6.8	7.5
56.25°	0.0	0.6	1.2	1.7	2.5	3.5	4.4	5.4	6.2	7.0	7.8
55°	0.0	0.6	1.2	1.8	2.6	3.6	4.6	5.6	6.4	7.3	8.1
53.75°	0.0	0.6	1.2	1.9	2.7	3.8	4.8	5.8	6.6	7.5	8.3
52.5°	0.0	0.6	1.3	1.9	2.9	3.9	5.0	6.0	6.8	7.7	8.6
51.25°	0.0	0.7	1.3	2.0	3.0	4.1	5.2	6.1	7.0	7.9	8.8
50°	0.0	0.7	1.3	2.0	3.1	4.2	5.3	6.3	7.2	8.2	9.1
48.75°	0.0	0.7	1.4	2.1	3.2	4.4	5.5	6.5	7.4	8.4	9.3
47.5°	0.0	0.7	1.4	2.1	3.3	4.5	5.7	6.6	7.6	8.6	9.5
46.25°	0.0	0.7	1.5	2.2	3.4	4.6	5.8	6.8	7.8	8.8	9.7
45°	0.0	0.7	1.5	2.3	3.5	4.8	5.9	7.0	8.0	9.0	10.0
43.75°	0.0	0.8	1.5	2.4	3.7	4.9	6.1	7.1	8.2	9.2	10.2
42.5°	0.0	0.8	1.5	2.5	3.8	5.0	6.2	7.3	8.3	9.4	10.4
41.25°	0.0	0.8	1.6	2.5	3.9	5.2	6.3	7.4	8.5	9.5	10.6
40°	0.0	0.8	1.6	2.6	4.0	5.3	6.5	7.6	8.7	9.7	10.8
38.75°	0.0	0.8	1.6	2.7	4.1	5.4	6.6	7.7	8.8	9.9	11.0
37.5°	0.0	0.8	1.7	2.8	4.2	5.5	6.7	7.8	9.0	10.1	11.2
36.25°	0.0	0.8	1.7	2.8	4.2	5.6	6.8	8.0	9.1	10.2	11.3
35°	0.0	0.9	1.7	2.9	4.3	5.7	6.9	8.1	9.3	10.4	11.5



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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	3.0	4.4	5.8	7.0	8.2	9.4	10.6	11.6
32.5°	0.0	0.9	1.8	3.0	4.5	5.9	7.1	8.4	9.5	10.7	11.7
31.25°	0.0	0.9	1.8	3.1	4.6	6.0	7.2	8.5	9.7	10.9	11.9
30°	0.0	0.9	1.8	3.1	4.7	6.1	7.3	8.6	9.8	11.0	12.0
28.75°	0.0	0.9	1.8	3.2	4.7	6.2	7.4	8.7	9.9	11.1	12.1
27.5°	0.0	0.9	1.9	3.3	4.8	6.2	7.5	8.8	10.0	11.3	12.2
26.25°	0.0	0.9	1.9	3.3	4.9	6.3	7.6	8.9	10.1	11.4	12.3
25°	0.0	1.0	1.9	3.4	4.9	6.4	7.7	9.0	10.2	11.5	12.4
23.75°	0.0	1.0	1.9	3.4	5.0	6.4	7.8	9.1	10.3	11.5	12.5
22.5°	0.0	1.0	1.9	3.4	5.1	6.5	7.8	9.1	10.4	11.6	12.6
21.25°	0.0	1.0	2.0	3.5	5.1	6.6	7.9	9.2	10.5	11.7	12.7
20°	0.0	1.0	2.0	3.5	5.2	6.6	8.0	9.3	10.6	11.8	12.8
18.75°	0.0	1.0	2.0	3.6	5.2	6.7	8.0	9.4	10.7	11.8	12.8
17.5°	0.0	1.0	2.0	3.6	5.3	6.7	8.1	9.4	10.8	11.9	12.9
16.25°	0.0	1.0	2.0	3.6	5.3	6.8	8.2	9.5	10.8	12.0	13.0
15°	0.0	1.0	2.0	3.7	5.4	6.8	8.2	9.6	10.9	12.0	13.0
13.75°	0.0	1.0	2.0	3.7	5.4	6.8	8.2	9.6	11.0	12.1	13.1
12.5°	0.0	1.0	2.1	3.7	5.4	6.9	8.3	9.7	11.0	12.1	13.1
11.25°	0.0	1.0	2.1	3.7	5.5	6.9	8.3	9.7	11.1	12.2	13.2
10°	0.0	1.0	2.1	3.8	5.5	6.9	8.4	9.7	11.1	12.2	13.2
8.75°	0.0	1.0	2.1	3.8	5.5	7.0	8.4	9.8	11.2	12.2	13.3
7.5°	0.0	1.0	2.1	3.8	5.5	7.0	8.4	9.8	11.2	12.3	13.3
6.25°	0.0	1.0	2.1	3.8	5.6	7.0	8.4	9.8	11.2	12.3	13.3
5°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
3.75°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
2.5°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
1.25°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
0°	0.0	1.0	2.1	3.9	5.6	7.1	8.5	9.9	11.3	12.3	13.4
-1.25°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
-2.5°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
-3.75°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
-5°	0.0	1.0	2.1	3.8	5.6	7.0	8.5	9.9	11.3	12.3	13.4
-6.25°	0.0	1.0	2.1	3.8	5.6	7.0	8.4	9.8	11.2	12.3	13.3
-7.5°	0.0	1.0	2.1	3.8	5.5	7.0	8.4	9.8	11.2	12.3	13.3
-8.75°	0.0	1.0	2.1	3.8	5.5	7.0	8.4	9.8	11.2	12.2	13.3
-10°	0.0	1.0	2.1	3.8	5.5	6.9	8.4	9.7	11.1	12.2	13.2
-11.25°	0.0	1.0	2.1	3.7	5.5	6.9	8.3	9.7	11.1	12.2	13.2
-12.5°	0.0	1.0	2.1	3.7	5.4	6.9	8.3	9.7	11.0	12.1	13.1
-13.75°	0.0	1.0	2.0	3.7	5.4	6.8	8.2	9.6	11.0	12.1	13.1
-15°	0.0	1.0	2.0	3.7	5.4	6.8	8.2	9.6	10.9	12.0	13.0
-16.25°	0.0	1.0	2.0	3.6	5.3	6.8	8.2	9.5	10.8	12.0	13.0
-17.5°	0.0	1.0	2.0	3.6	5.3	6.7	8.1	9.4	10.8	11.9	12.9
-18.75°	0.0	1.0	2.0	3.6	5.2	6.7	8.0	9.4	10.7	11.8	12.8
-20°	0.0	1.0	2.0	3.5	5.2	6.6	8.0	9.3	10.6	11.8	12.8
-21.25°	0.0	1.0	2.0	3.5	5.1	6.6	7.9	9.2	10.5	11.7	12.7



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.0	1.9	3.4	5.1	6.5	7.8	9.1	10.4	11.6	12.6
-23.75°	0.0	1.0	1.9	3.4	5.0	6.4	7.8	9.1	10.3	11.5	12.5
-25°	0.0	1.0	1.9	3.4	4.9	6.4	7.7	9.0	10.2	11.5	12.4
-26.25°	0.0	0.9	1.9	3.3	4.9	6.3	7.6	8.9	10.1	11.4	12.3
-27.5°	0.0	0.9	1.9	3.3	4.8	6.2	7.5	8.8	10.0	11.3	12.2
-28.75°	0.0	0.9	1.8	3.2	4.7	6.2	7.4	8.7	9.9	11.1	12.1
-30°	0.0	0.9	1.8	3.1	4.7	6.1	7.3	8.6	9.8	11.0	12.0
-31.25°	0.0	0.9	1.8	3.1	4.6	6.0	7.2	8.5	9.7	10.9	11.9
-32.5°	0.0	0.9	1.8	3.0	4.5	5.9	7.1	8.4	9.5	10.7	11.7
-33.75°	0.0	0.9	1.7	3.0	4.4	5.8	7.0	8.2	9.4	10.6	11.6
-35°	0.0	0.9	1.7	2.9	4.3	5.7	6.9	8.1	9.3	10.4	11.5
-36.25°	0.0	0.8	1.7	2.8	4.2	5.6	6.8	8.0	9.1	10.2	11.3
-37.5°	0.0	0.8	1.7	2.8	4.2	5.5	6.7	7.8	9.0	10.1	11.2
-38.75°	0.0	0.8	1.6	2.7	4.1	5.4	6.6	7.7	8.8	9.9	11.0
-40°	0.0	0.8	1.6	2.6	4.0	5.3	6.5	7.6	8.7	9.7	10.8
-41.25°	0.0	0.8	1.6	2.5	3.9	5.2	6.3	7.4	8.5	9.5	10.6
-42.5°	0.0	0.8	1.5	2.5	3.8	5.0	6.2	7.3	8.3	9.4	10.4
-43.75°	0.0	0.8	1.5	2.4	3.7	4.9	6.1	7.1	8.2	9.2	10.2
-45°	0.0	0.7	1.5	2.3	3.5	4.8	5.9	7.0	8.0	9.0	10.0
-46.25°	0.0	0.7	1.5	2.2	3.4	4.6	5.8	6.8	7.8	8.8	9.7
-47.5°	0.0	0.7	1.4	2.1	3.3	4.5	5.7	6.6	7.6	8.6	9.5
-48.75°	0.0	0.7	1.4	2.1	3.2	4.4	5.5	6.5	7.4	8.4	9.3
-50°	0.0	0.7	1.3	2.0	3.1	4.2	5.3	6.3	7.2	8.2	9.1
-51.25°	0.0	0.7	1.3	2.0	3.0	4.1	5.2	6.1	7.0	7.9	8.8
-52.5°	0.0	0.6	1.3	1.9	2.9	3.9	5.0	6.0	6.8	7.7	8.6
-53.75°	0.0	0.6	1.2	1.9	2.7	3.8	4.8	5.8	6.6	7.5	8.3
-55°	0.0	0.6	1.2	1.8	2.6	3.6	4.6	5.6	6.4	7.3	8.1
-56.25°	0.0	0.6	1.2	1.7	2.5	3.5	4.4	5.4	6.2	7.0	7.8
-57.5°	0.0	0.6	1.1	1.7	2.4	3.3	4.2	5.2	6.0	6.8	7.5
-58.75°	0.0	0.5	1.1	1.6	2.2	3.1	4.0	4.9	5.8	6.5	7.3
-60°	0.0	0.5	1.0	1.6	2.1	3.0	3.8	4.7	5.6	6.3	7.0
-61.25°	0.0	0.5	1.0	1.5	2.0	2.8	3.6	4.5	5.3	6.0	6.7
-62.5°	0.0	0.5	1.0	1.5	1.9	2.6	3.4	4.2	5.0	5.8	6.5
-63.75°	0.0	0.5	0.9	1.4	1.9	2.5	3.2	4.0	4.8	5.5	6.2
-65°	0.0	0.4	0.9	1.3	1.8	2.3	3.0	3.8	4.5	5.2	5.9
-66.25°	0.0	0.4	0.8	1.3	1.7	2.1	2.8	3.5	4.2	4.9	5.6
-67.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.6	3.3	3.9	4.6	5.3
-68.75°	0.0	0.4	0.8	1.1	1.5	1.9	2.4	3.0	3.7	4.3	4.9
-70°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.8	3.4	4.0	4.5
-71.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.5	3.1	3.6	4.2
-72.5°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.3	2.8	3.3	3.8
-73.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.5	3.0	3.5
-75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.7	3.1
-76.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.7
-77.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.4	1.6	1.8	2.0	2.4



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	2.5
82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2
81.25°	1.7	1.9	2.0	2.3	2.5	2.8	3.0	3.3	3.5	3.8	4.0
80°	2.0	2.2	2.5	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8
78.75°	2.3	2.7	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5
77.5°	2.7	3.1	3.5	3.8	4.2	4.5	4.9	5.3	5.6	5.9	6.2
76.25°	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.2	6.5	6.8
75°	3.5	4.0	4.4	4.8	5.3	5.7	6.0	6.4	6.7	7.1	7.4
73.75°	3.9	4.4	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
72.5°	4.3	4.8	5.4	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
71.25°	4.7	5.3	5.8	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.3
70°	5.1	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.0	9.4	9.8
68.75°	5.5	6.0	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.0	10.4
67.5°	5.9	6.4	6.9	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
66.25°	6.2	6.7	7.3	7.9	8.4	9.0	9.5	10.0	10.6	11.1	11.5
65°	6.5	7.1	7.7	8.3	8.8	9.4	10.0	10.5	11.1	11.5	11.9
63.75°	6.8	7.4	8.0	8.7	9.3	9.8	10.4	11.0	11.5	11.9	12.4
62.5°	7.1	7.8	8.4	9.0	9.7	10.3	10.9	11.4	11.9	12.4	12.8
61.25°	7.4	8.1	8.8	9.4	10.1	10.7	11.3	11.8	12.3	12.8	13.2
60°	7.7	8.4	9.1	9.8	10.5	11.1	11.7	12.2	12.7	13.1	13.6
58.75°	8.0	8.7	9.4	10.2	10.9	11.5	12.0	12.5	13.0	13.5	13.8
57.5°	8.3	9.1	9.8	10.5	11.2	11.8	12.3	12.9	13.4	13.7	14.1
56.25°	8.6	9.4	10.1	10.9	11.5	12.1	12.7	13.2	13.6	14.0	14.4
55°	8.9	9.7	10.4	11.2	11.8	12.4	13.0	13.5	13.9	14.3	14.6
53.75°	9.1	10.0	10.8	11.5	12.1	12.7	13.3	13.7	14.1	14.5	15.0
52.5°	9.4	10.3	11.1	11.8	12.4	13.0	13.5	13.9	14.3	14.7	15.5
51.25°	9.7	10.5	11.4	12.0	12.6	13.3	13.7	14.2	14.6	15.2	16.0
50°	9.9	10.8	11.6	12.3	12.9	13.5	13.9	14.4	14.8	15.7	16.5
48.75°	10.2	11.1	11.8	12.5	13.2	13.7	14.1	14.6	15.2	16.1	17.0
47.5°	10.4	11.4	12.1	12.7	13.4	13.9	14.3	14.8	15.7	16.6	17.5
46.25°	10.7	11.6	12.3	13.0	13.6	14.1	14.5	15.2	16.1	17.0	18.1
45°	10.9	11.8	12.5	13.2	13.8	14.2	14.7	15.6	16.5	17.5	18.8
43.75°	11.2	12.0	12.7	13.4	13.9	14.4	15.0	16.0	16.9	18.1	19.5
42.5°	11.4	12.1	12.9	13.6	14.1	14.6	15.4	16.4	17.3	18.7	20.2
41.25°	11.5	12.3	13.1	13.7	14.2	14.7	15.7	16.7	17.8	19.4	20.9
40°	11.7	12.5	13.3	13.9	14.4	15.0	16.1	17.1	18.4	20.0	21.6
38.75°	11.9	12.7	13.5	14.0	14.5	15.3	16.4	17.4	19.0	20.6	22.2
37.5°	12.0	12.9	13.6	14.1	14.7	15.6	16.7	17.9	19.6	21.2	23.0
36.25°	12.2	13.0	13.7	14.3	14.8	15.9	17.0	18.4	20.1	21.8	23.7
35°	12.3	13.2	13.8	14.4	15.1	16.2	17.3	18.9	20.6	22.4	24.3



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	12.5	13.3	13.9	14.5	15.4	16.5	17.7	19.4	21.2	23.0	25.0
32.5°	12.6	13.5	14.0	14.6	15.6	16.8	18.1	19.9	21.7	23.6	25.6
31.25°	12.7	13.6	14.2	14.7	15.9	17.0	18.5	20.3	22.2	24.2	26.2
30°	12.9	13.7	14.3	14.9	16.1	17.3	19.0	20.8	22.7	24.8	26.8
28.75°	13.0	13.7	14.4	15.1	16.3	17.5	19.4	21.2	23.2	25.3	27.5
27.5°	13.1	13.8	14.4	15.3	16.6	17.9	19.8	21.6	23.7	25.9	28.2
26.25°	13.2	13.9	14.5	15.5	16.8	18.2	20.1	22.0	24.2	26.4	28.8
25°	13.3	14.0	14.6	15.7	17.0	18.6	20.5	22.5	24.7	26.8	29.4
23.75°	13.4	14.1	14.7	15.9	17.2	18.9	20.8	22.9	25.1	27.4	29.9
22.5°	13.5	14.1	14.8	16.1	17.3	19.2	21.1	23.3	25.5	27.9	30.5
21.25°	13.6	14.2	14.9	16.2	17.5	19.5	21.5	23.7	25.9	28.4	31.0
20°	13.6	14.3	15.1	16.4	17.7	19.7	21.7	24.0	26.3	28.8	31.5
18.75°	13.7	14.3	15.2	16.5	18.0	20.0	22.0	24.3	26.6	29.3	32.0
17.5°	13.7	14.4	15.3	16.7	18.2	20.2	22.3	24.7	27.0	29.7	32.4
16.25°	13.8	14.5	15.5	16.8	18.4	20.5	22.6	24.9	27.4	30.1	32.8
15°	13.8	14.5	15.6	16.9	18.6	20.7	22.9	25.2	27.7	30.4	33.2
13.75°	13.9	14.6	15.7	17.0	18.8	20.9	23.1	25.5	28.0	30.8	33.5
12.5°	13.9	14.6	15.8	17.1	19.0	21.1	23.3	25.7	28.3	31.1	33.8
11.25°	13.9	14.6	15.8	17.2	19.1	21.2	23.5	25.9	28.5	31.3	34.1
10°	14.0	14.7	15.9	17.3	19.2	21.4	23.7	26.1	28.8	31.6	34.3
8.75°	14.0	14.7	16.0	17.4	19.4	21.5	23.8	26.3	29.0	31.8	34.6
7.5°	14.0	14.7	16.0	17.4	19.5	21.6	24.0	26.4	29.2	32.0	34.8
6.25°	14.1	14.7	16.1	17.5	19.6	21.7	24.1	26.5	29.3	32.1	34.9
5°	14.1	14.8	16.1	17.5	19.6	21.8	24.2	26.6	29.4	32.3	35.1
3.75°	14.1	14.8	16.2	17.6	19.7	21.8	24.3	26.7	29.5	32.4	35.2
2.5°	14.1	14.8	16.2	17.6	19.7	21.9	24.3	26.8	29.6	32.4	35.2
1.25°	14.1	14.8	16.2	17.6	19.7	21.9	24.3	26.8	29.6	32.5	35.3
0°	14.1	14.8	16.2	17.6	19.8	21.9	24.4	26.8	29.7	32.5	35.3
-1.25°	14.1	14.8	16.2	17.6	19.7	21.9	24.3	26.8	29.6	32.5	35.3
-2.5°	14.1	14.8	16.2	17.6	19.7	21.9	24.3	26.8	29.6	32.4	35.2
-3.75°	14.1	14.8	16.2	17.6	19.7	21.8	24.3	26.7	29.5	32.4	35.2
-5°	14.1	14.8	16.1	17.5	19.6	21.8	24.2	26.6	29.4	32.3	35.1
-6.25°	14.1	14.7	16.1	17.5	19.6	21.7	24.1	26.5	29.3	32.1	34.9
-7.5°	14.0	14.7	16.0	17.4	19.5	21.6	24.0	26.4	29.2	32.0	34.8
-8.75°	14.0	14.7	16.0	17.4	19.4	21.5	23.8	26.3	29.0	31.8	34.6
-10°	14.0	14.7	15.9	17.3	19.2	21.4	23.7	26.1	28.8	31.6	34.3
-11.25°	13.9	14.6	15.8	17.2	19.1	21.2	23.5	25.9	28.5	31.3	34.1
-12.5°	13.9	14.6	15.8	17.1	19.0	21.1	23.3	25.7	28.3	31.1	33.8
-13.75°	13.9	14.6	15.7	17.0	18.8	20.9	23.1	25.5	28.0	30.8	33.5
-15°	13.8	14.5	15.6	16.9	18.6	20.7	22.9	25.2	27.7	30.4	33.2
-16.25°	13.8	14.5	15.5	16.8	18.4	20.5	22.6	24.9	27.4	30.1	32.8
-17.5°	13.7	14.4	15.3	16.7	18.2	20.2	22.3	24.7	27.0	29.7	32.4
-18.75°	13.7	14.3	15.2	16.5	18.0	20.0	22.0	24.3	26.6	29.3	32.0
-20°	13.6	14.3	15.1	16.4	17.7	19.7	21.7	24.0	26.3	28.8	31.5
-21.25°	13.6	14.2	14.9	16.2	17.5	19.5	21.5	23.7	25.9	28.4	31.0



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	13.5	14.1	14.8	16.1	17.3	19.2	21.1	23.3	25.5	27.9	30.5
-23.75°	13.4	14.1	14.7	15.9	17.2	18.9	20.8	22.9	25.1	27.4	29.9
-25°	13.3	14.0	14.6	15.7	17.0	18.6	20.5	22.5	24.7	26.8	29.4
-26.25°	13.2	13.9	14.5	15.5	16.8	18.2	20.1	22.0	24.2	26.4	28.8
-27.5°	13.1	13.8	14.4	15.3	16.6	17.9	19.8	21.6	23.7	25.9	28.2
-28.75°	13.0	13.7	14.4	15.1	16.3	17.5	19.4	21.2	23.2	25.3	27.5
-30°	12.9	13.7	14.3	14.9	16.1	17.3	19.0	20.8	22.7	24.8	26.8
-31.25°	12.7	13.6	14.2	14.7	15.9	17.0	18.5	20.3	22.2	24.2	26.2
-32.5°	12.6	13.5	14.0	14.6	15.6	16.8	18.1	19.9	21.7	23.6	25.6
-33.75°	12.5	13.3	13.9	14.5	15.4	16.5	17.7	19.4	21.2	23.0	25.0
-35°	12.3	13.2	13.8	14.4	15.1	16.2	17.3	18.9	20.6	22.4	24.3
-36.25°	12.2	13.0	13.7	14.3	14.8	15.9	17.0	18.4	20.1	21.8	23.7
-37.5°	12.0	12.9	13.6	14.1	14.7	15.6	16.7	17.9	19.6	21.2	23.0
-38.75°	11.9	12.7	13.5	14.0	14.5	15.3	16.4	17.4	19.0	20.6	22.2
-40°	11.7	12.5	13.3	13.9	14.4	15.0	16.1	17.1	18.4	20.0	21.6
-41.25°	11.5	12.3	13.1	13.7	14.2	14.7	15.7	16.7	17.8	19.4	20.9
-42.5°	11.4	12.1	12.9	13.6	14.1	14.6	15.4	16.4	17.3	18.7	20.2
-43.75°	11.2	12.0	12.7	13.4	13.9	14.4	15.0	16.0	16.9	18.1	19.5
-45°	10.9	11.8	12.5	13.2	13.8	14.2	14.7	15.6	16.5	17.5	18.8
-46.25°	10.7	11.6	12.3	13.0	13.6	14.1	14.5	15.2	16.1	17.0	18.1
-47.5°	10.4	11.4	12.1	12.7	13.4	13.9	14.3	14.8	15.7	16.6	17.5
-48.75°	10.2	11.1	11.8	12.5	13.2	13.7	14.1	14.6	15.2	16.1	17.0
-50°	9.9	10.8	11.6	12.3	12.9	13.5	13.9	14.4	14.8	15.7	16.5
-51.25°	9.7	10.5	11.4	12.0	12.6	13.3	13.7	14.2	14.6	15.2	16.0
-52.5°	9.4	10.3	11.1	11.8	12.4	13.0	13.5	13.9	14.3	14.7	15.5
-53.75°	9.1	10.0	10.8	11.5	12.1	12.7	13.3	13.7	14.1	14.5	15.0
-55°	8.9	9.7	10.4	11.2	11.8	12.4	13.0	13.5	13.9	14.3	14.6
-56.25°	8.6	9.4	10.1	10.9	11.5	12.1	12.7	13.2	13.6	14.0	14.4
-57.5°	8.3	9.1	9.8	10.5	11.2	11.8	12.3	12.9	13.4	13.7	14.1
-58.75°	8.0	8.7	9.4	10.2	10.9	11.5	12.0	12.5	13.0	13.5	13.8
-60°	7.7	8.4	9.1	9.8	10.5	11.1	11.7	12.2	12.7	13.1	13.6
-61.25°	7.4	8.1	8.8	9.4	10.1	10.7	11.3	11.8	12.3	12.8	13.2
-62.5°	7.1	7.8	8.4	9.0	9.7	10.3	10.9	11.4	11.9	12.4	12.8
-63.75°	6.8	7.4	8.0	8.7	9.3	9.8	10.4	11.0	11.5	11.9	12.4
-65°	6.5	7.1	7.7	8.3	8.8	9.4	10.0	10.5	11.1	11.5	11.9
-66.25°	6.2	6.7	7.3	7.9	8.4	9.0	9.5	10.0	10.6	11.1	11.5
-67.5°	5.9	6.4	6.9	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0
-68.75°	5.5	6.0	6.6	7.1	7.6	8.1	8.6	9.0	9.5	10.0	10.4
-70°	5.1	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.0	9.4	9.8
-71.25°	4.7	5.3	5.8	6.2	6.7	7.1	7.6	8.0	8.4	8.8	9.3
-72.5°	4.3	4.8	5.4	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
-73.75°	3.9	4.4	4.9	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
-75°	3.5	4.0	4.4	4.8	5.3	5.7	6.0	6.4	6.7	7.1	7.4
-76.25°	3.1	3.5	3.9	4.3	4.7	5.1	5.5	5.9	6.2	6.5	6.8
-77.5°	2.7	3.1	3.5	3.8	4.2	4.5	4.9	5.3	5.6	5.9	6.2



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	2.3	2.7	3.0	3.3	3.6	4.0	4.3	4.6	4.9	5.2	5.5
-80°	2.0	2.2	2.5	2.8	3.1	3.4	3.7	3.9	4.2	4.5	4.8
-81.25°	1.7	1.9	2.0	2.3	2.5	2.8	3.0	3.3	3.5	3.8	4.0
-82.5°	1.5	1.6	1.8	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2
-83.75°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.5
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	2.4	2.5	2.6	2.7	2.9	3.0	3.1
83.75°	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.1	4.2
82.5°	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.3
81.25°	4.2	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.1	6.3
80°	5.0	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
78.75°	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.7	7.9	8.2
77.5°	6.5	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1
76.25°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.1	9.4	9.7	9.9
75°	7.8	8.1	8.4	8.7	9.1	9.4	9.7	10.0	10.3	10.5	10.8
73.75°	8.4	8.8	9.1	9.4	9.8	10.1	10.4	10.8	11.1	11.4	11.6
72.5°	9.0	9.4	9.8	10.2	10.5	10.9	11.2	11.5	11.8	12.0	12.3
71.25°	9.7	10.1	10.5	10.9	11.2	11.5	11.8	12.1	12.4	12.6	12.9
70°	10.3	10.7	11.1	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.5
68.75°	10.9	11.3	11.7	12.0	12.3	12.7	13.0	13.3	13.5	13.7	13.9
67.5°	11.4	11.8	12.2	12.5	12.9	13.2	13.5	13.7	13.9	14.2	14.4
66.25°	11.9	12.3	12.7	13.0	13.4	13.6	13.9	14.1	14.3	14.6	14.8
65°	12.4	12.8	13.1	13.5	13.7	14.0	14.3	14.5	14.7	15.2	15.7
63.75°	12.8	13.2	13.6	13.8	14.1	14.4	14.6	15.0	15.5	16.0	16.5
62.5°	13.2	13.6	13.9	14.2	14.4	14.7	15.2	15.7	16.3	16.8	17.3
61.25°	13.6	13.9	14.2	14.5	14.8	15.4	15.9	16.5	17.1	17.6	18.5
60°	13.9	14.2	14.5	14.8	15.5	16.1	16.7	17.3	18.0	18.9	19.7
58.75°	14.2	14.5	14.8	15.5	16.1	16.8	17.4	18.2	19.2	20.1	21.0
57.5°	14.4	14.8	15.5	16.1	16.8	17.5	18.4	19.4	20.3	21.3	22.3
56.25°	14.7	15.4	16.1	16.8	17.5	18.4	19.5	20.5	21.5	22.6	23.7
55°	15.2	15.9	16.7	17.4	18.4	19.5	20.5	21.6	22.8	23.9	25.1
53.75°	15.7	16.5	17.3	18.2	19.4	20.5	21.6	22.8	24.1	25.3	26.5
52.5°	16.3	17.1	18.0	19.2	20.3	21.5	22.8	24.1	25.3	26.6	28.0
51.25°	16.8	17.6	18.9	20.1	21.3	22.6	23.9	25.3	26.6	28.1	29.6
50°	17.3	18.5	19.7	21.0	22.3	23.7	25.1	26.5	28.0	29.6	31.1
48.75°	18.0	19.3	20.6	21.9	23.4	24.8	26.3	27.8	29.5	31.1	32.7
47.5°	18.8	20.1	21.5	22.9	24.4	25.9	27.5	29.2	30.9	32.5	34.2
46.25°	19.5	20.9	22.3	23.9	25.4	27.0	28.8	30.5	32.3	34.0	35.6
45°	20.3	21.7	23.3	24.9	26.5	28.2	30.1	31.9	33.6	35.3	37.1
43.75°	21.0	22.5	24.2	25.8	27.6	29.4	31.3	33.1	34.9	36.7	38.3
42.5°	21.7	23.4	25.1	26.8	28.7	30.6	32.5	34.4	36.2	38.1	39.2
41.25°	22.5	24.3	26.0	27.8	29.8	31.8	33.7	35.6	37.5	38.9	40.1
40°	23.3	25.1	26.8	28.9	30.9	32.9	34.9	36.8	38.5	39.7	40.9
38.75°	24.1	25.9	27.8	29.9	32.0	34.0	36.0	38.0	39.3	40.5	41.7
37.5°	24.8	26.7	28.8	30.9	33.0	35.1	37.1	38.8	40.0	41.3	42.7
36.25°	25.5	27.5	29.7	31.9	34.0	36.1	38.2	39.5	40.8	42.1	43.7
35°	26.3	28.4	30.6	32.8	35.0	37.1	38.8	40.2	41.5	43.1	44.6



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	27.0	29.2	31.5	33.7	35.9	38.1	39.5	40.8	42.3	43.9	45.6
32.5°	27.8	30.1	32.4	34.6	36.9	38.7	40.1	41.5	43.1	44.8	46.1
31.25°	28.5	30.9	33.2	35.5	37.8	39.3	40.7	42.2	43.9	45.6	46.4
30°	29.2	31.6	34.0	36.3	38.4	39.9	41.3	43.0	44.7	46.1	46.6
28.75°	29.9	32.4	34.7	37.1	38.9	40.4	41.9	43.7	45.5	46.3	46.9
27.5°	30.6	33.1	35.5	37.9	39.4	40.9	42.6	44.4	46.0	46.6	47.2
26.25°	31.3	33.7	36.2	38.4	39.9	41.4	43.2	45.1	46.2	46.8	47.3
25°	31.9	34.4	36.9	38.9	40.4	42.0	43.9	45.7	46.5	47.1	47.3
23.75°	32.5	35.0	37.5	39.3	40.8	42.6	44.5	46.0	46.7	47.3	47.3
22.5°	33.1	35.6	38.1	39.7	41.3	43.1	45.0	46.2	46.9	47.3	47.3
21.25°	33.6	36.2	38.5	40.1	41.7	43.6	45.6	46.4	47.1	47.3	47.3
20°	34.1	36.7	38.8	40.4	42.2	44.1	46.0	46.6	47.2	47.3	47.3
18.75°	34.6	37.2	39.2	40.8	42.6	44.6	46.1	46.8	47.3	47.3	47.3
17.5°	35.0	37.7	39.5	41.1	43.0	45.0	46.3	46.9	47.3	47.3	47.3
16.25°	35.4	38.1	39.8	41.4	43.4	45.4	46.4	47.1	47.3	47.3	47.3
15°	35.8	38.4	40.0	41.7	43.8	45.8	46.5	47.2	47.3	47.3	47.3
13.75°	36.2	38.6	40.3	42.0	44.1	46.0	46.7	47.3	47.3	47.3	47.3
12.5°	36.5	38.8	40.5	42.3	44.4	46.1	46.8	47.3	47.3	47.3	47.3
11.25°	36.8	39.0	40.7	42.6	44.7	46.2	46.9	47.3	47.3	47.3	47.3
10°	37.1	39.2	40.9	42.8	44.9	46.3	47.0	47.3	47.3	47.3	47.3
8.75°	37.3	39.3	41.1	43.1	45.2	46.4	47.0	47.3	47.3	47.3	47.3
7.5°	37.5	39.5	41.2	43.2	45.4	46.4	47.1	47.3	47.3	47.3	47.3
6.25°	37.7	39.6	41.3	43.4	45.5	46.5	47.2	47.3	47.3	47.3	47.3
5°	37.8	39.7	41.4	43.5	45.7	46.5	47.2	47.3	47.3	47.3	47.3
3.75°	38.0	39.8	41.5	43.6	45.8	46.6	47.3	47.3	47.3	47.3	47.3
2.5°	38.0	39.8	41.6	43.7	45.8	46.6	47.3	47.3	47.3	47.3	47.3
1.25°	38.1	39.8	41.6	43.7	45.9	46.6	47.3	47.3	47.3	47.3	47.3
0°	38.1	39.9	41.6	43.8	45.9	46.6	47.3	47.3	47.3	47.3	47.3
-1.25°	38.1	39.8	41.6	43.7	45.9	46.6	47.3	47.3	47.3	47.3	47.3
-2.5°	38.0	39.8	41.6	43.7	45.8	46.6	47.3	47.3	47.3	47.3	47.3
-3.75°	38.0	39.8	41.5	43.6	45.8	46.6	47.3	47.3	47.3	47.3	47.3
-5°	37.8	39.7	41.4	43.5	45.7	46.5	47.2	47.3	47.3	47.3	47.3
-6.25°	37.7	39.6	41.3	43.4	45.5	46.5	47.2	47.3	47.3	47.3	47.3
-7.5°	37.5	39.5	41.2	43.2	45.4	46.4	47.1	47.3	47.3	47.3	47.3
-8.75°	37.3	39.3	41.1	43.1	45.2	46.4	47.0	47.3	47.3	47.3	47.3
-10°	37.1	39.2	40.9	42.8	44.9	46.3	47.0	47.3	47.3	47.3	47.3
-11.25°	36.8	39.0	40.7	42.6	44.7	46.2	46.9	47.3	47.3	47.3	47.3
-12.5°	36.5	38.8	40.5	42.3	44.4	46.1	46.8	47.3	47.3	47.3	47.3
-13.75°	36.2	38.6	40.3	42.0	44.1	46.0	46.7	47.3	47.3	47.3	47.3
-15°	35.8	38.4	40.0	41.7	43.8	45.8	46.5	47.2	47.3	47.3	47.3
-16.25°	35.4	38.1	39.8	41.4	43.4	45.4	46.4	47.1	47.3	47.3	47.3
-17.5°	35.0	37.7	39.5	41.1	43.0	45.0	46.3	46.9	47.3	47.3	47.3
-18.75°	34.6	37.2	39.2	40.8	42.6	44.6	46.1	46.8	47.3	47.3	47.3
-20°	34.1	36.7	38.8	40.4	42.2	44.1	46.0	46.6	47.2	47.3	47.3
-21.25°	33.6	36.2	38.5	40.1	41.7	43.6	45.6	46.4	47.1	47.3	47.3



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	33.1	35.6	38.1	39.7	41.3	43.1	45.0	46.2	46.9	47.3	47.3
-23.75°	32.5	35.0	37.5	39.3	40.8	42.6	44.5	46.0	46.7	47.3	47.3
-25°	31.9	34.4	36.9	38.9	40.4	42.0	43.9	45.7	46.5	47.1	47.3
-26.25°	31.3	33.7	36.2	38.4	39.9	41.4	43.2	45.1	46.2	46.8	47.3
-27.5°	30.6	33.1	35.5	37.9	39.4	40.9	42.6	44.4	46.0	46.6	47.2
-28.75°	29.9	32.4	34.7	37.1	38.9	40.4	41.9	43.7	45.5	46.3	46.9
-30°	29.2	31.6	34.0	36.3	38.4	39.9	41.3	43.0	44.7	46.1	46.6
-31.25°	28.5	30.9	33.2	35.5	37.8	39.3	40.7	42.2	43.9	45.6	46.4
-32.5°	27.8	30.1	32.4	34.6	36.9	38.7	40.1	41.5	43.1	44.8	46.1
-33.75°	27.0	29.2	31.5	33.7	35.9	38.1	39.5	40.8	42.3	43.9	45.6
-35°	26.3	28.4	30.6	32.8	35.0	37.1	38.8	40.2	41.5	43.1	44.6
-36.25°	25.5	27.5	29.7	31.9	34.0	36.1	38.2	39.5	40.8	42.1	43.7
-37.5°	24.8	26.7	28.8	30.9	33.0	35.1	37.1	38.8	40.0	41.3	42.7
-38.75°	24.1	25.9	27.8	29.9	32.0	34.0	36.0	38.0	39.3	40.5	41.7
-40°	23.3	25.1	26.8	28.9	30.9	32.9	34.9	36.8	38.5	39.7	40.9
-41.25°	22.5	24.3	26.0	27.8	29.8	31.8	33.7	35.6	37.5	38.9	40.1
-42.5°	21.7	23.4	25.1	26.8	28.7	30.6	32.5	34.4	36.2	38.1	39.2
-43.75°	21.0	22.5	24.2	25.8	27.6	29.4	31.3	33.1	34.9	36.7	38.3
-45°	20.3	21.7	23.3	24.9	26.5	28.2	30.1	31.9	33.6	35.3	37.1
-46.25°	19.5	20.9	22.3	23.9	25.4	27.0	28.8	30.5	32.3	34.0	35.6
-47.5°	18.8	20.1	21.5	22.9	24.4	25.9	27.5	29.2	30.9	32.5	34.2
-48.75°	18.0	19.3	20.6	21.9	23.4	24.8	26.3	27.8	29.5	31.1	32.7
-50°	17.3	18.5	19.7	21.0	22.3	23.7	25.1	26.5	28.0	29.6	31.1
-51.25°	16.8	17.6	18.9	20.1	21.3	22.6	23.9	25.3	26.6	28.1	29.6
-52.5°	16.3	17.1	18.0	19.2	20.3	21.5	22.8	24.1	25.3	26.6	28.0
-53.75°	15.7	16.5	17.3	18.2	19.4	20.5	21.6	22.8	24.1	25.3	26.5
-55°	15.2	15.9	16.7	17.4	18.4	19.5	20.5	21.6	22.8	23.9	25.1
-56.25°	14.7	15.4	16.1	16.8	17.5	18.4	19.5	20.5	21.5	22.6	23.7
-57.5°	14.4	14.8	15.5	16.1	16.8	17.5	18.4	19.4	20.3	21.3	22.3
-58.75°	14.2	14.5	14.8	15.5	16.1	16.8	17.4	18.2	19.2	20.1	21.0
-60°	13.9	14.2	14.5	14.8	15.5	16.1	16.7	17.3	18.0	18.9	19.7
-61.25°	13.6	13.9	14.2	14.5	14.8	15.4	15.9	16.5	17.1	17.6	18.5
-62.5°	13.2	13.6	13.9	14.2	14.4	14.7	15.2	15.7	16.3	16.8	17.3
-63.75°	12.8	13.2	13.6	13.8	14.1	14.4	14.6	15.0	15.5	16.0	16.5
-65°	12.4	12.8	13.1	13.5	13.7	14.0	14.3	14.5	14.7	15.2	15.7
-66.25°	11.9	12.3	12.7	13.0	13.4	13.6	13.9	14.1	14.3	14.6	14.8
-67.5°	11.4	11.8	12.2	12.5	12.9	13.2	13.5	13.7	13.9	14.2	14.4
-68.75°	10.9	11.3	11.7	12.0	12.3	12.7	13.0	13.3	13.5	13.7	13.9
-70°	10.3	10.7	11.1	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.5
-71.25°	9.7	10.1	10.5	10.9	11.2	11.5	11.8	12.1	12.4	12.6	12.9
-72.5°	9.0	9.4	9.8	10.2	10.5	10.9	11.2	11.5	11.8	12.0	12.3
-73.75°	8.4	8.8	9.1	9.4	9.8	10.1	10.4	10.8	11.1	11.4	11.6
-75°	7.8	8.1	8.4	8.7	9.1	9.4	9.7	10.0	10.3	10.5	10.8
-76.25°	7.1	7.4	7.7	8.0	8.3	8.6	8.9	9.1	9.4	9.7	9.9
-77.5°	6.5	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.8	9.1



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	5.8	6.0	6.3	6.5	6.8	7.0	7.3	7.5	7.7	7.9	8.2
-80°	5.0	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
-81.25°	4.2	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.0	6.1	6.3
-82.5°	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.3
-83.75°	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9	4.1	4.2
-85°	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7	2.9	3.0	3.1
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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	2.4	2.5	2.5	2.6	2.7	2.8	2.8
85°	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.2
83.75°	4.4	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.6
82.5°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8
81.25°	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0
80°	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
78.75°	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9	10.1	10.2
77.5°	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.3
76.25°	10.2	10.4	10.7	10.9	11.2	11.4	11.5	11.7	11.9	12.0	12.2
75°	11.1	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.9	13.0
73.75°	11.8	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.6	13.7
72.5°	12.5	12.7	13.0	13.2	13.4	13.6	13.7	13.9	14.0	14.1	14.3
71.25°	13.2	13.4	13.6	13.8	13.9	14.1	14.2	14.4	14.5	14.7	14.8
70°	13.7	13.9	14.1	14.2	14.4	14.6	14.7	15.0	15.3	15.6	15.9
68.75°	14.1	14.3	14.5	14.7	15.0	15.4	15.7	16.1	16.4	16.7	17.0
67.5°	14.6	14.8	15.2	15.6	16.0	16.4	16.7	17.1	17.4	17.9	18.4
66.25°	15.2	15.7	16.1	16.5	16.9	17.3	17.8	18.4	19.0	19.6	20.1
65°	16.1	16.6	17.0	17.5	18.1	18.7	19.4	20.0	20.6	21.2	21.8
63.75°	17.0	17.5	18.1	18.8	19.5	20.2	20.9	21.6	22.2	23.0	23.7
62.5°	18.0	18.8	19.5	20.3	21.0	21.7	22.5	23.3	24.1	24.8	25.5
61.25°	19.3	20.1	20.9	21.7	22.5	23.4	24.3	25.1	25.9	26.7	27.5
60°	20.6	21.5	22.3	23.3	24.2	25.1	26.0	26.8	27.8	28.8	29.7
58.75°	21.9	22.9	23.9	24.9	25.8	26.8	27.8	28.9	29.9	30.9	31.9
57.5°	23.4	24.4	25.4	26.5	27.6	28.7	29.8	30.9	32.0	33.0	34.0
56.25°	24.8	25.9	27.0	28.2	29.4	30.6	31.8	32.9	34.0	35.1	36.1
55°	26.3	27.5	28.8	30.1	31.3	32.5	33.7	34.9	36.0	37.1	38.2
53.75°	27.8	29.2	30.5	31.9	33.1	34.4	35.6	36.8	38.0	38.8	39.5
52.5°	29.5	30.9	32.3	33.6	34.9	36.2	37.5	38.5	39.3	40.0	40.8
51.25°	31.1	32.5	34.0	35.3	36.7	38.1	38.9	39.7	40.5	41.3	42.1
50°	32.7	34.2	35.6	37.1	38.3	39.2	40.1	40.9	41.7	42.7	43.7
48.75°	34.2	35.8	37.3	38.5	39.4	40.3	41.2	42.2	43.2	44.2	45.3
47.5°	35.8	37.3	38.6	39.6	40.5	41.4	42.5	43.6	44.7	45.7	46.2
46.25°	37.3	38.6	39.6	40.6	41.6	42.7	43.9	45.0	46.0	46.3	46.7
45°	38.5	39.6	40.6	41.6	42.8	44.0	45.2	46.1	46.4	46.8	47.2
43.75°	39.4	40.5	41.6	42.8	44.1	45.3	46.1	46.5	46.9	47.3	47.3
42.5°	40.3	41.4	42.7	44.0	45.3	46.1	46.6	47.0	47.3	47.3	47.3
41.25°	41.2	42.5	43.9	45.2	46.1	46.6	47.0	47.3	47.3	47.3	47.3
40°	42.2	43.6	45.0	46.1	46.5	47.0	47.3	47.3	47.3	47.3	47.3
38.75°	43.2	44.7	46.0	46.4	46.9	47.3	47.3	47.3	47.3	47.3	47.3
37.5°	44.2	45.7	46.3	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3
36.25°	45.3	46.2	46.7	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.6
35°	46.0	46.5	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.6	48.1



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	46.3	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.5	48.0	48.5
32.5°	46.6	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.9	48.4	49.0
31.25°	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.8	48.3	48.9	49.6
30°	47.2	47.3	47.3	47.3	47.3	47.3	47.7	48.2	48.7	49.5	50.2
28.75°	47.3	47.3	47.3	47.3	47.3	47.5	48.0	48.5	49.2	50.0	50.8
27.5°	47.3	47.3	47.3	47.3	47.3	47.8	48.3	49.0	49.8	50.6	51.4
26.25°	47.3	47.3	47.3	47.3	47.5	48.1	48.6	49.5	50.3	51.1	51.9
25°	47.3	47.3	47.3	47.3	47.8	48.4	49.1	49.9	50.8	51.6	52.4
23.75°	47.3	47.3	47.3	47.5	48.1	48.7	49.5	50.4	51.3	52.1	53.0
22.5°	47.3	47.3	47.3	47.7	48.3	49.1	50.0	50.8	51.7	52.6	53.5
21.25°	47.3	47.3	47.4	48.0	48.6	49.5	50.4	51.3	52.2	53.1	54.0
20°	47.3	47.3	47.6	48.2	48.9	49.8	50.8	51.7	52.6	53.5	54.5
18.75°	47.3	47.3	47.8	48.4	49.3	50.2	51.1	52.1	53.0	54.0	54.9
17.5°	47.3	47.4	48.0	48.6	49.6	50.5	51.5	52.4	53.4	54.4	55.3
16.25°	47.3	47.5	48.2	48.9	49.9	50.8	51.8	52.8	53.8	54.8	55.7
15°	47.3	47.7	48.4	49.2	50.2	51.1	52.1	53.1	54.1	55.1	56.1
13.75°	47.3	47.9	48.5	49.4	50.4	51.4	52.4	53.4	54.4	55.4	56.4
12.5°	47.3	48.0	48.7	49.7	50.7	51.7	52.7	53.7	54.7	55.7	56.7
11.25°	47.5	48.1	48.9	49.9	50.9	51.9	52.9	54.0	55.0	56.0	57.0
10°	47.6	48.3	49.1	50.1	51.1	52.1	53.1	54.2	55.2	56.3	57.3
8.75°	47.7	48.4	49.2	50.2	51.3	52.3	53.3	54.4	55.5	56.5	57.8
7.5°	47.8	48.4	49.4	50.4	51.4	52.5	53.5	54.6	55.6	56.7	58.2
6.25°	47.8	48.5	49.5	50.5	51.6	52.6	53.7	54.7	55.8	56.8	58.5
5°	47.9	48.6	49.6	50.6	51.7	52.7	53.8	54.9	55.9	57.0	58.8
3.75°	47.9	48.6	49.7	50.7	51.7	52.8	53.9	55.0	56.0	57.1	59.0
2.5°	48.0	48.7	49.7	50.8	51.8	52.9	53.9	55.0	56.1	57.1	59.2
1.25°	48.0	48.7	49.7	50.8	51.8	52.9	54.0	55.1	56.1	57.2	59.3
0°	48.0	48.7	49.8	50.8	51.9	52.9	54.0	55.1	56.2	57.2	59.3
-1.25°	48.0	48.7	49.7	50.8	51.8	52.9	54.0	55.1	56.1	57.2	59.3
-2.5°	48.0	48.7	49.7	50.8	51.8	52.9	53.9	55.0	56.1	57.1	59.2
-3.75°	47.9	48.6	49.7	50.7	51.7	52.8	53.9	55.0	56.0	57.1	59.0
-5°	47.9	48.6	49.6	50.6	51.7	52.7	53.8	54.9	55.9	57.0	58.8
-6.25°	47.8	48.5	49.5	50.5	51.6	52.6	53.7	54.7	55.8	56.8	58.5
-7.5°	47.8	48.4	49.4	50.4	51.4	52.5	53.5	54.6	55.6	56.7	58.2
-8.75°	47.7	48.4	49.2	50.2	51.3	52.3	53.3	54.4	55.5	56.5	57.8
-10°	47.6	48.3	49.1	50.1	51.1	52.1	53.1	54.2	55.2	56.3	57.3
-11.25°	47.5	48.1	48.9	49.9	50.9	51.9	52.9	54.0	55.0	56.0	57.0
-12.5°	47.3	48.0	48.7	49.7	50.7	51.7	52.7	53.7	54.7	55.7	56.7
-13.75°	47.3	47.9	48.5	49.4	50.4	51.4	52.4	53.4	54.4	55.4	56.4
-15°	47.3	47.7	48.4	49.2	50.2	51.1	52.1	53.1	54.1	55.1	56.1
-16.25°	47.3	47.5	48.2	48.9	49.9	50.8	51.8	52.8	53.8	54.8	55.7
-17.5°	47.3	47.4	48.0	48.6	49.6	50.5	51.5	52.4	53.4	54.4	55.3
-18.75°	47.3	47.3	47.8	48.4	49.3	50.2	51.1	52.1	53.0	54.0	54.9
-20°	47.3	47.3	47.6	48.2	48.9	49.8	50.8	51.7	52.6	53.5	54.5
-21.25°	47.3	47.3	47.4	48.0	48.6	49.5	50.4	51.3	52.2	53.1	54.0



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	47.3	47.3	47.3	47.7	48.3	49.1	50.0	50.8	51.7	52.6	53.5
-23.75°	47.3	47.3	47.3	47.5	48.1	48.7	49.5	50.4	51.3	52.1	53.0
-25°	47.3	47.3	47.3	47.3	47.8	48.4	49.1	49.9	50.8	51.6	52.4
-26.25°	47.3	47.3	47.3	47.3	47.5	48.1	48.6	49.5	50.3	51.1	51.9
-27.5°	47.3	47.3	47.3	47.3	47.3	47.8	48.3	49.0	49.8	50.6	51.4
-28.75°	47.3	47.3	47.3	47.3	47.3	47.5	48.0	48.5	49.2	50.0	50.8
-30°	47.2	47.3	47.3	47.3	47.3	47.3	47.7	48.2	48.7	49.5	50.2
-31.25°	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.8	48.3	48.9	49.6
-32.5°	46.6	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.9	48.4	49.0
-33.75°	46.3	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.5	48.0	48.5
-35°	46.0	46.5	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.6	48.1
-36.25°	45.3	46.2	46.7	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.6
-37.5°	44.2	45.7	46.3	46.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-38.75°	43.2	44.7	46.0	46.4	46.9	47.3	47.3	47.3	47.3	47.3	47.3
-40°	42.2	43.6	45.0	46.1	46.5	47.0	47.3	47.3	47.3	47.3	47.3
-41.25°	41.2	42.5	43.9	45.2	46.1	46.6	47.0	47.3	47.3	47.3	47.3
-42.5°	40.3	41.4	42.7	44.0	45.3	46.1	46.6	47.0	47.3	47.3	47.3
-43.75°	39.4	40.5	41.6	42.8	44.1	45.3	46.1	46.5	46.9	47.3	47.3
-45°	38.5	39.6	40.6	41.6	42.8	44.0	45.2	46.1	46.4	46.8	47.2
-46.25°	37.3	38.6	39.6	40.6	41.6	42.7	43.9	45.0	46.0	46.3	46.7
-47.5°	35.8	37.3	38.6	39.6	40.5	41.4	42.5	43.6	44.7	45.7	46.2
-48.75°	34.2	35.8	37.3	38.5	39.4	40.3	41.2	42.2	43.2	44.2	45.3
-50°	32.7	34.2	35.6	37.1	38.3	39.2	40.1	40.9	41.7	42.7	43.7
-51.25°	31.1	32.5	34.0	35.3	36.7	38.1	38.9	39.7	40.5	41.3	42.1
-52.5°	29.5	30.9	32.3	33.6	34.9	36.2	37.5	38.5	39.3	40.0	40.8
-53.75°	27.8	29.2	30.5	31.9	33.1	34.4	35.6	36.8	38.0	38.8	39.5
-55°	26.3	27.5	28.8	30.1	31.3	32.5	33.7	34.9	36.0	37.1	38.2
-56.25°	24.8	25.9	27.0	28.2	29.4	30.6	31.8	32.9	34.0	35.1	36.1
-57.5°	23.4	24.4	25.4	26.5	27.6	28.7	29.8	30.9	32.0	33.0	34.0
-58.75°	21.9	22.9	23.9	24.9	25.8	26.8	27.8	28.9	29.9	30.9	31.9
-60°	20.6	21.5	22.3	23.3	24.2	25.1	26.0	26.8	27.8	28.8	29.7
-61.25°	19.3	20.1	20.9	21.7	22.5	23.4	24.3	25.1	25.9	26.7	27.5
-62.5°	18.0	18.8	19.5	20.3	21.0	21.7	22.5	23.3	24.1	24.8	25.5
-63.75°	17.0	17.5	18.1	18.8	19.5	20.2	20.9	21.6	22.2	23.0	23.7
-65°	16.1	16.6	17.0	17.5	18.1	18.7	19.4	20.0	20.6	21.2	21.8
-66.25°	15.2	15.7	16.1	16.5	16.9	17.3	17.8	18.4	19.0	19.6	20.1
-67.5°	14.6	14.8	15.2	15.6	16.0	16.4	16.7	17.1	17.4	17.9	18.4
-68.75°	14.1	14.3	14.5	14.7	15.0	15.4	15.7	16.1	16.4	16.7	17.0
-70°	13.7	13.9	14.1	14.2	14.4	14.6	14.7	15.0	15.3	15.6	15.9
-71.25°	13.2	13.4	13.6	13.8	13.9	14.1	14.2	14.4	14.5	14.7	14.8
-72.5°	12.5	12.7	13.0	13.2	13.4	13.6	13.7	13.9	14.0	14.1	14.3
-73.75°	11.8	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.6	13.7
-75°	11.1	11.4	11.6	11.8	12.0	12.1	12.3	12.5	12.7	12.9	13.0
-76.25°	10.2	10.4	10.7	10.9	11.2	11.4	11.5	11.7	11.9	12.0	12.2
-77.5°	9.3	9.5	9.7	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.3



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	8.4	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9	10.1	10.2
-80°	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.8	9.0	9.1
-81.25°	6.5	6.6	6.8	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0
-82.5°	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.8
-83.75°	4.4	4.5	4.6	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.6
-85°	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.2
-86.25°	2.1	2.1	2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.8	2.8
-87.5°	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	2.9	3.0	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.4
85°	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1
83.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5
82.5°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.8
81.25°	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.1
80°	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4
78.75°	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.4	11.5	11.5	11.6
77.5°	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6
76.25°	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5
75°	13.2	13.3	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.1	14.1
73.75°	13.8	13.9	14.0	14.2	14.3	14.4	14.4	14.5	14.6	14.7	14.8
72.5°	14.4	14.5	14.6	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.1
71.25°	15.1	15.4	15.6	15.9	16.1	16.3	16.6	16.8	17.0	17.2	17.3
70°	16.2	16.5	16.8	17.0	17.3	17.5	17.9	18.2	18.6	18.9	19.2
68.75°	17.3	17.7	18.1	18.5	19.0	19.4	19.8	20.1	20.5	20.8	21.1
67.5°	18.9	19.4	19.9	20.3	20.8	21.2	21.6	22.0	22.5	22.9	23.3
66.25°	20.6	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.1	25.5
65°	22.4	23.0	23.6	24.2	24.8	25.3	25.9	26.4	26.8	27.4	27.9
63.75°	24.3	25.0	25.6	26.2	26.8	27.5	28.2	28.8	29.4	29.9	30.5
62.5°	26.3	27.0	27.8	28.5	29.2	29.9	30.6	31.3	31.9	32.5	33.1
61.25°	28.4	29.2	30.1	30.9	31.6	32.4	33.1	33.7	34.4	35.0	35.6
60°	30.6	31.5	32.4	33.2	34.0	34.7	35.5	36.2	36.9	37.5	38.1
58.75°	32.8	33.7	34.6	35.5	36.3	37.1	37.9	38.4	38.9	39.3	39.7
57.5°	35.0	35.9	36.9	37.8	38.4	38.9	39.4	39.9	40.4	40.8	41.3
56.25°	37.1	38.1	38.7	39.3	39.9	40.4	40.9	41.4	42.0	42.6	43.1
55°	38.8	39.5	40.1	40.7	41.3	41.9	42.6	43.2	43.9	44.5	45.0
53.75°	40.2	40.8	41.5	42.2	43.0	43.7	44.4	45.1	45.7	46.0	46.2
52.5°	41.5	42.3	43.1	43.9	44.7	45.5	46.0	46.2	46.5	46.7	46.9
51.25°	43.1	43.9	44.8	45.6	46.1	46.3	46.6	46.8	47.1	47.3	47.3
50°	44.6	45.6	46.1	46.4	46.6	46.9	47.2	47.3	47.3	47.3	47.3
48.75°	46.0	46.3	46.6	46.9	47.2	47.3	47.3	47.3	47.3	47.3	47.3
47.5°	46.5	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
46.25°	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
45°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.7
43.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.8	48.1	48.3
42.5°	47.3	47.3	47.3	47.3	47.3	47.5	47.8	48.1	48.4	48.7	49.1
41.25°	47.3	47.3	47.3	47.3	47.7	48.0	48.3	48.6	49.1	49.5	50.0
40°	47.3	47.3	47.4	47.8	48.2	48.5	49.0	49.5	49.9	50.4	50.8
38.75°	47.3	47.5	47.9	48.3	48.7	49.2	49.8	50.3	50.8	51.3	51.7
37.5°	47.6	48.0	48.4	48.9	49.5	50.0	50.6	51.1	51.6	52.1	52.6
36.25°	48.1	48.5	49.0	49.6	50.2	50.8	51.4	51.9	52.4	53.0	53.5
35°	48.5	49.1	49.7	50.3	51.0	51.6	52.1	52.7	53.3	53.8	54.4



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	49.1	49.7	50.4	51.1	51.7	52.3	52.9	53.5	54.1	54.7	55.3
32.5°	49.7	50.4	51.1	51.8	52.4	53.1	53.7	54.4	55.0	55.5	56.1
31.25°	50.3	51.1	51.8	52.4	53.1	53.8	54.5	55.2	55.8	56.4	56.9
30°	51.0	51.7	52.4	53.1	53.9	54.6	55.3	55.9	56.5	57.1	58.3
28.75°	51.6	52.3	53.1	53.8	54.6	55.3	56.0	56.6	57.4	58.7	59.9
27.5°	52.1	52.9	53.7	54.5	55.3	56.0	56.7	57.5	58.9	60.2	61.6
26.25°	52.7	53.5	54.4	55.2	55.9	56.6	57.5	59.0	60.3	62.2	66.0
25°	53.3	54.1	55.0	55.8	56.5	57.4	58.9	60.3	62.5	66.5	70.3
23.75°	53.8	54.7	55.5	56.4	57.1	58.7	60.2	62.2	66.5	70.6	74.8
22.5°	54.4	55.3	56.1	56.9	58.3	59.9	61.6	66.0	70.3	74.8	79.6
21.25°	54.9	55.8	56.6	57.7	59.4	61.1	65.1	69.6	74.2	79.3	84.3
20°	55.4	56.3	57.1	58.8	60.5	63.7	68.4	73.1	78.4	83.7	89.8
18.75°	55.8	56.7	58.0	59.8	61.8	66.8	71.6	77.0	82.5	88.3	97.4
17.5°	56.3	57.2	59.0	60.8	64.7	69.7	74.9	80.7	86.4	94.9	117.0
16.25°	56.7	58.0	59.8	62.2	67.4	72.5	78.4	84.3	91.8	109.5	153.5
15°	57.0	58.8	60.6	64.6	69.9	75.5	81.6	87.8	99.2	131.7	200.2
13.75°	57.6	59.5	61.4	66.9	72.3	78.4	84.7	93.0	114.5	169.9	256.0
12.5°	58.2	60.2	63.4	69.0	74.7	81.1	87.5	99.8	137.1	213.6	314.1
11.25°	58.8	60.8	65.3	70.9	77.0	83.6	91.7	112.3	168.4	259.6	370.2
10°	59.3	61.3	67.0	72.7	79.2	85.8	95.5	125.1	201.7	306.4	425.4
8.75°	59.8	62.7	68.4	74.3	81.1	88.0	103.1	149.4	237.5	350.2	475.2
7.5°	60.2	63.9	69.7	75.9	82.8	90.9	111.6	170.8	269.0	390.1	519.2
6.25°	60.6	65.0	70.9	77.3	84.2	93.3	119.0	190.8	299.9	425.8	557.0
5°	60.9	65.8	71.8	78.4	85.4	95.4	128.0	211.9	325.9	455.4	588.4
3.75°	61.1	66.5	72.5	79.3	86.3	97.4	139.3	228.5	346.3	478.7	613.0
2.5°	61.3	67.0	73.0	79.9	87.0	100.6	147.4	240.4	360.9	495.4	630.8
1.25°	61.4	67.3	73.3	80.3	87.4	102.6	152.2	247.6	369.7	505.5	641.5
0°	61.4	67.4	73.4	80.5	87.5	103.2	153.9	250.0	372.7	508.9	645.1
-1.25°	61.4	67.3	73.3	80.3	87.4	102.6	152.2	247.6	369.7	505.5	641.5
-2.5°	61.3	67.0	73.0	79.9	87.0	100.6	147.4	240.4	360.9	495.4	630.8
-3.75°	61.1	66.5	72.5	79.3	86.3	97.4	139.3	228.5	346.3	478.7	613.0
-5°	60.9	65.8	71.8	78.4	85.4	95.4	128.0	211.9	325.9	455.4	588.4
-6.25°	60.6	65.0	70.9	77.3	84.2	93.3	119.0	190.8	299.9	425.8	557.0
-7.5°	60.2	63.9	69.7	75.9	82.8	90.9	111.6	170.8	269.0	390.1	519.2
-8.75°	59.8	62.7	68.4	74.3	81.1	88.0	103.1	149.4	237.5	350.2	475.2
-10°	59.3	61.3	67.0	72.7	79.2	85.8	95.5	125.1	201.7	306.4	425.4
-11.25°	58.8	60.8	65.3	70.9	77.0	83.6	91.7	112.3	168.4	259.6	370.2
-12.5°	58.2	60.2	63.4	69.0	74.7	81.1	87.5	99.8	137.1	213.6	314.1
-13.75°	57.6	59.5	61.4	66.9	72.3	78.4	84.7	93.0	114.5	169.9	256.0
-15°	57.0	58.8	60.6	64.6	69.9	75.5	81.6	87.8	99.2	131.7	200.2
-16.25°	56.7	58.0	59.8	62.2	67.4	72.5	78.4	84.3	91.8	109.5	153.5
-17.5°	56.3	57.2	59.0	60.8	64.7	69.7	74.9	80.7	86.4	94.9	117.0
-18.75°	55.8	56.7	58.0	59.8	61.8	66.8	71.6	77.0	82.5	88.3	97.4
-20°	55.4	56.3	57.1	58.8	60.5	63.7	68.4	73.1	78.4	83.7	89.8
-21.25°	54.9	55.8	56.6	57.7	59.4	61.1	65.1	69.6	74.2	79.3	84.3



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	54.4	55.3	56.1	56.9	58.3	59.9	61.6	66.0	70.3	74.8	79.6
-23.75°	53.8	54.7	55.5	56.4	57.1	58.7	60.2	62.2	66.5	70.6	74.8
-25°	53.3	54.1	55.0	55.8	56.5	57.4	58.9	60.3	62.5	66.5	70.3
-26.25°	52.7	53.5	54.4	55.2	55.9	56.6	57.5	59.0	60.3	62.2	66.0
-27.5°	52.1	52.9	53.7	54.5	55.3	56.0	56.7	57.5	58.9	60.2	61.6
-28.75°	51.6	52.3	53.1	53.8	54.6	55.3	56.0	56.6	57.4	58.7	59.9
-30°	51.0	51.7	52.4	53.1	53.9	54.6	55.3	55.9	56.5	57.1	58.3
-31.25°	50.3	51.1	51.8	52.4	53.1	53.8	54.5	55.2	55.8	56.4	56.9
-32.5°	49.7	50.4	51.1	51.8	52.4	53.1	53.7	54.4	55.0	55.5	56.1
-33.75°	49.1	49.7	50.4	51.1	51.7	52.3	52.9	53.5	54.1	54.7	55.3
-35°	48.5	49.1	49.7	50.3	51.0	51.6	52.1	52.7	53.3	53.8	54.4
-36.25°	48.1	48.5	49.0	49.6	50.2	50.8	51.4	51.9	52.4	53.0	53.5
-37.5°	47.6	48.0	48.4	48.9	49.5	50.0	50.6	51.1	51.6	52.1	52.6
-38.75°	47.3	47.5	47.9	48.3	48.7	49.2	49.8	50.3	50.8	51.3	51.7
-40°	47.3	47.3	47.4	47.8	48.2	48.5	49.0	49.5	49.9	50.4	50.8
-41.25°	47.3	47.3	47.3	47.3	47.7	48.0	48.3	48.6	49.1	49.5	50.0
-42.5°	47.3	47.3	47.3	47.3	47.3	47.5	47.8	48.1	48.4	48.7	49.1
-43.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.8	48.1	48.3
-45°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.7
-46.25°	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-47.5°	46.5	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-48.75°	46.0	46.3	46.6	46.9	47.2	47.3	47.3	47.3	47.3	47.3	47.3
-50°	44.6	45.6	46.1	46.4	46.6	46.9	47.2	47.3	47.3	47.3	47.3
-51.25°	43.1	43.9	44.8	45.6	46.1	46.3	46.6	46.8	47.1	47.3	47.3
-52.5°	41.5	42.3	43.1	43.9	44.7	45.5	46.0	46.2	46.5	46.7	46.9
-53.75°	40.2	40.8	41.5	42.2	43.0	43.7	44.4	45.1	45.7	46.0	46.2
-55°	38.8	39.5	40.1	40.7	41.3	41.9	42.6	43.2	43.9	44.5	45.0
-56.25°	37.1	38.1	38.7	39.3	39.9	40.4	40.9	41.4	42.0	42.6	43.1
-57.5°	35.0	35.9	36.9	37.8	38.4	38.9	39.4	39.9	40.4	40.8	41.3
-58.75°	32.8	33.7	34.6	35.5	36.3	37.1	37.9	38.4	38.9	39.3	39.7
-60°	30.6	31.5	32.4	33.2	34.0	34.7	35.5	36.2	36.9	37.5	38.1
-61.25°	28.4	29.2	30.1	30.9	31.6	32.4	33.1	33.7	34.4	35.0	35.6
-62.5°	26.3	27.0	27.8	28.5	29.2	29.9	30.6	31.3	31.9	32.5	33.1
-63.75°	24.3	25.0	25.6	26.2	26.8	27.5	28.2	28.8	29.4	29.9	30.5
-65°	22.4	23.0	23.6	24.2	24.8	25.3	25.9	26.4	26.8	27.4	27.9
-66.25°	20.6	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.1	25.5
-67.5°	18.9	19.4	19.9	20.3	20.8	21.2	21.6	22.0	22.5	22.9	23.3
-68.75°	17.3	17.7	18.1	18.5	19.0	19.4	19.8	20.1	20.5	20.8	21.1
-70°	16.2	16.5	16.8	17.0	17.3	17.5	17.9	18.2	18.6	18.9	19.2
-71.25°	15.1	15.4	15.6	15.9	16.1	16.3	16.6	16.8	17.0	17.2	17.3
-72.5°	14.4	14.5	14.6	14.7	14.9	15.1	15.3	15.5	15.7	15.9	16.1
-73.75°	13.8	13.9	14.0	14.2	14.3	14.4	14.4	14.5	14.6	14.7	14.8
-75°	13.2	13.3	13.5	13.6	13.7	13.7	13.8	13.9	14.0	14.1	14.1
-76.25°	12.3	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5
-77.5°	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	10.4	10.6	10.7	10.9	11.0	11.1	11.3	11.4	11.5	11.5	11.6
-80°	9.3	9.4	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4
-81.25°	8.1	8.2	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.1
-82.5°	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.8
-83.75°	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3	6.4	6.4	6.5
-85°	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.1
-86.25°	2.9	3.0	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.4
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8
85°	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
83.75°	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0
82.5°	7.9	8.0	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.4	8.4
81.25°	9.2	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.7	9.8
80°	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2
78.75°	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.2	12.2	12.2
77.5°	12.7	12.8	12.8	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.3
76.25°	13.6	13.6	13.7	13.7	13.8	13.8	13.9	13.9	13.9	14.0	14.0
75°	14.2	14.3	14.3	14.4	14.5	14.5	14.6	14.6	14.6	14.7	14.7
73.75°	14.9	15.1	15.2	15.3	15.5	15.6	15.7	15.8	15.8	15.9	16.0
72.5°	16.2	16.4	16.5	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4
71.25°	17.5	17.7	18.0	18.2	18.4	18.6	18.8	19.0	19.1	19.2	19.4
70°	19.5	19.7	20.0	20.2	20.5	20.7	20.9	21.1	21.2	21.4	21.5
68.75°	21.5	21.7	22.0	22.3	22.6	22.9	23.1	23.3	23.5	23.7	23.8
67.5°	23.7	24.0	24.3	24.7	24.9	25.2	25.5	25.7	25.9	26.1	26.3
66.25°	25.9	26.3	26.6	27.0	27.4	27.7	28.0	28.3	28.5	28.8	29.0
65°	28.4	28.8	29.3	29.7	30.1	30.4	30.8	31.1	31.3	31.6	31.8
63.75°	31.0	31.5	32.0	32.4	32.8	33.2	33.5	33.8	34.1	34.3	34.6
62.5°	33.6	34.1	34.6	35.0	35.4	35.8	36.2	36.5	36.8	37.1	37.3
61.25°	36.2	36.7	37.2	37.7	38.1	38.4	38.6	38.8	39.0	39.2	39.3
60°	38.5	38.8	39.2	39.5	39.8	40.0	40.3	40.5	40.7	40.9	41.1
58.75°	40.1	40.4	40.8	41.1	41.4	41.7	42.0	42.3	42.6	42.8	43.1
57.5°	41.7	42.2	42.6	43.0	43.4	43.8	44.1	44.4	44.7	44.9	45.2
56.25°	43.6	44.1	44.6	45.0	45.4	45.8	46.0	46.1	46.2	46.3	46.4
55°	45.6	46.0	46.1	46.3	46.4	46.5	46.7	46.8	46.9	47.0	47.0
53.75°	46.4	46.6	46.8	46.9	47.1	47.2	47.3	47.3	47.3	47.3	47.3
52.5°	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
48.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.6	47.7
47.5°	47.3	47.3	47.3	47.4	47.5	47.7	47.9	48.0	48.1	48.3	48.4
46.25°	47.4	47.6	47.8	48.0	48.2	48.4	48.5	48.7	48.9	49.1	49.2
45°	48.0	48.2	48.4	48.6	48.9	49.2	49.4	49.7	49.9	50.1	50.2
43.75°	48.6	48.9	49.3	49.6	49.9	50.2	50.4	50.7	50.9	51.1	51.3
42.5°	49.5	49.8	50.2	50.5	50.8	51.1	51.4	51.7	51.9	52.1	52.3
41.25°	50.4	50.8	51.1	51.5	51.8	52.1	52.4	52.7	52.9	53.1	53.3
40°	51.3	51.7	52.1	52.4	52.8	53.1	53.4	53.7	54.0	54.2	54.4
38.75°	52.2	52.6	53.0	53.4	53.8	54.1	54.4	54.7	55.0	55.2	55.5
37.5°	53.1	53.5	54.0	54.4	54.8	55.1	55.4	55.7	56.0	56.3	56.5
36.25°	54.0	54.5	54.9	55.3	55.7	56.1	56.4	56.7	57.0	57.3	57.8
35°	54.9	55.4	55.8	56.3	56.7	57.0	57.6	58.2	58.8	59.3	59.8



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	55.8	56.3	56.7	57.2	58.0	58.8	59.5	60.2	60.8	61.3	62.7
32.5°	56.6	57.1	58.0	59.0	59.8	60.6	61.4	63.4	65.3	67.0	68.4
31.25°	57.7	58.8	59.8	60.8	62.2	64.6	66.9	69.0	70.9	72.7	74.3
30°	59.4	60.5	61.8	64.7	67.4	69.9	72.3	74.7	77.0	79.2	81.1
28.75°	61.1	63.7	66.8	69.7	72.5	75.5	78.4	81.1	83.6	85.8	88.0
27.5°	65.1	68.4	71.6	74.9	78.4	81.6	84.7	87.5	91.7	95.5	103.1
26.25°	69.6	73.1	77.0	80.7	84.3	87.8	93.0	99.8	112.3	125.1	149.4
25°	74.2	78.4	82.5	86.4	91.8	99.2	114.5	137.1	168.4	201.7	237.5
23.75°	79.3	83.7	88.3	94.9	109.5	131.7	169.9	213.6	259.6	306.4	350.2
22.5°	84.3	89.8	97.4	117.0	153.5	200.2	256.0	314.1	370.2	425.4	475.2
21.25°	90.3	100.4	121.5	168.2	226.5	291.0	358.9	426.5	490.2	548.5	601.1
20°	100.4	123.4	175.6	242.5	316.4	392.9	469.7	541.8	608.8	660.5	694.5
18.75°	121.5	175.6	247.8	329.2	414.2	498.9	579.3	651.1	694.3	734.1	770.1
17.5°	168.2	242.5	329.2	421.4	513.6	602.1	670.3	719.0	764.5	806.5	838.3
16.25°	226.5	316.4	414.2	513.6	609.7	680.0	734.0	785.2	829.0	864.9	904.3
15°	291.0	392.9	498.9	602.1	680.0	739.0	795.6	842.1	886.7	933.0	981.6
13.75°	358.9	469.7	579.3	670.3	734.0	795.6	846.5	897.8	953.0	1010.6	1080.0
12.5°	426.5	541.8	651.1	719.0	785.2	842.1	897.8	959.7	1029.5	1111.6	1221.8
11.25°	490.2	608.8	694.3	764.5	829.0	886.7	953.0	1029.5	1126.4	1253.0	1399.0
10°	548.5	660.5	734.1	806.5	864.9	933.0	1010.6	1111.6	1253.0	1419.6	1617.7
8.75°	601.1	694.5	770.1	838.3	904.3	981.6	1080.0	1221.8	1399.0	1617.7	1879.8
7.5°	646.6	724.7	802.1	865.8	941.2	1032.0	1160.8	1338.1	1561.0	1840.8	2195.0
6.25°	671.1	750.7	826.3	894.6	976.7	1083.0	1242.6	1450.5	1726.1	2081.7	2556.7
5°	691.5	772.3	844.9	918.7	1006.9	1136.1	1325.6	1572.0	1895.9	2336.1	2941.0
3.75°	707.5	789.4	859.6	938.9	1038.6	1187.1	1394.3	1669.8	2050.1	2594.2	3330.0
2.5°	719.1	801.8	871.2	954.8	1061.6	1224.2	1446.2	1758.8	2188.5	2805.5	3629.8
1.25°	726.1	809.2	879.0	964.5	1075.6	1246.7	1486.0	1814.9	2273.4	2935.9	3833.3
0°	728.4	811.7	881.6	967.7	1080.3	1254.3	1499.4	1833.8	2302.1	2980.1	3905.9
-1.25°	726.1	809.2	879.0	964.5	1075.6	1246.7	1486.0	1814.9	2273.4	2935.9	3833.3
-2.5°	719.1	801.8	871.2	954.8	1061.6	1224.2	1446.2	1758.8	2188.5	2805.5	3629.8
-3.75°	707.5	789.4	859.6	938.9	1038.6	1187.1	1394.3	1669.8	2050.1	2594.2	3330.0
-5°	691.5	772.3	844.9	918.7	1006.9	1136.1	1325.6	1572.0	1895.9	2336.1	2941.0
-6.25°	671.1	750.7	826.3	894.6	976.7	1083.0	1242.6	1450.5	1726.1	2081.7	2556.7
-7.5°	646.6	724.7	802.1	865.8	941.2	1032.0	1160.8	1338.1	1561.0	1840.8	2195.0
-8.75°	601.1	694.5	770.1	838.3	904.3	981.6	1080.0	1221.8	1399.0	1617.7	1879.8
-10°	548.5	660.5	734.1	806.5	864.9	933.0	1010.6	1111.6	1253.0	1419.6	1617.7
-11.25°	490.2	608.8	694.3	764.5	829.0	886.7	953.0	1029.5	1126.4	1253.0	1399.0
-12.5°	426.5	541.8	651.1	719.0	785.2	842.1	897.8	959.7	1029.5	1111.6	1221.8
-13.75°	358.9	469.7	579.3	670.3	734.0	795.6	846.5	897.8	953.0	1010.6	1080.0
-15°	291.0	392.9	498.9	602.1	680.0	739.0	795.6	842.1	886.7	933.0	981.6
-16.25°	226.5	316.4	414.2	513.6	609.7	680.0	734.0	785.2	829.0	864.9	904.3
-17.5°	168.2	242.5	329.2	421.4	513.6	602.1	670.3	719.0	764.5	806.5	838.3
-18.75°	121.5	175.6	247.8	329.2	414.2	498.9	579.3	651.1	694.3	734.1	770.1
-20°	100.4	123.4	175.6	242.5	316.4	392.9	469.7	541.8	608.8	660.5	694.5
-21.25°	90.3	100.4	121.5	168.2	226.5	291.0	358.9	426.5	490.2	548.5	601.1



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	84.3	89.8	97.4	117.0	153.5	200.2	256.0	314.1	370.2	425.4	475.2
-23.75°	79.3	83.7	88.3	94.9	109.5	131.7	169.9	213.6	259.6	306.4	350.2
-25°	74.2	78.4	82.5	86.4	91.8	99.2	114.5	137.1	168.4	201.7	237.5
-26.25°	69.6	73.1	77.0	80.7	84.3	87.8	93.0	99.8	112.3	125.1	149.4
-27.5°	65.1	68.4	71.6	74.9	78.4	81.6	84.7	87.5	91.7	95.5	103.1
-28.75°	61.1	63.7	66.8	69.7	72.5	75.5	78.4	81.1	83.6	85.8	88.0
-30°	59.4	60.5	61.8	64.7	67.4	69.9	72.3	74.7	77.0	79.2	81.1
-31.25°	57.7	58.8	59.8	60.8	62.2	64.6	66.9	69.0	70.9	72.7	74.3
-32.5°	56.6	57.1	58.0	59.0	59.8	60.6	61.4	63.4	65.3	67.0	68.4
-33.75°	55.8	56.3	56.7	57.2	58.0	58.8	59.5	60.2	60.8	61.3	62.7
-35°	54.9	55.4	55.8	56.3	56.7	57.0	57.6	58.2	58.8	59.3	59.8
-36.25°	54.0	54.5	54.9	55.3	55.7	56.1	56.4	56.7	57.0	57.3	57.8
-37.5°	53.1	53.5	54.0	54.4	54.8	55.1	55.4	55.7	56.0	56.3	56.5
-38.75°	52.2	52.6	53.0	53.4	53.8	54.1	54.4	54.7	55.0	55.2	55.5
-40°	51.3	51.7	52.1	52.4	52.8	53.1	53.4	53.7	54.0	54.2	54.4
-41.25°	50.4	50.8	51.1	51.5	51.8	52.1	52.4	52.7	52.9	53.1	53.3
-42.5°	49.5	49.8	50.2	50.5	50.8	51.1	51.4	51.7	51.9	52.1	52.3
-43.75°	48.6	48.9	49.3	49.6	49.9	50.2	50.4	50.7	50.9	51.1	51.3
-45°	48.0	48.2	48.4	48.6	48.9	49.2	49.4	49.7	49.9	50.1	50.2
-46.25°	47.4	47.6	47.8	48.0	48.2	48.4	48.5	48.7	48.9	49.1	49.2
-47.5°	47.3	47.3	47.3	47.4	47.5	47.7	47.9	48.0	48.1	48.3	48.4
-48.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5	47.6	47.7
-50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-52.5°	47.1	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-53.75°	46.4	46.6	46.8	46.9	47.1	47.2	47.3	47.3	47.3	47.3	47.3
-55°	45.6	46.0	46.1	46.3	46.4	46.5	46.7	46.8	46.9	47.0	47.0
-56.25°	43.6	44.1	44.6	45.0	45.4	45.8	46.0	46.1	46.2	46.3	46.4
-57.5°	41.7	42.2	42.6	43.0	43.4	43.8	44.1	44.4	44.7	44.9	45.2
-58.75°	40.1	40.4	40.8	41.1	41.4	41.7	42.0	42.3	42.6	42.8	43.1
-60°	38.5	38.8	39.2	39.5	39.8	40.0	40.3	40.5	40.7	40.9	41.1
-61.25°	36.2	36.7	37.2	37.7	38.1	38.4	38.6	38.8	39.0	39.2	39.3
-62.5°	33.6	34.1	34.6	35.0	35.4	35.8	36.2	36.5	36.8	37.1	37.3
-63.75°	31.0	31.5	32.0	32.4	32.8	33.2	33.5	33.8	34.1	34.3	34.6
-65°	28.4	28.8	29.3	29.7	30.1	30.4	30.8	31.1	31.3	31.6	31.8
-66.25°	25.9	26.3	26.6	27.0	27.4	27.7	28.0	28.3	28.5	28.8	29.0
-67.5°	23.7	24.0	24.3	24.7	24.9	25.2	25.5	25.7	25.9	26.1	26.3
-68.75°	21.5	21.7	22.0	22.3	22.6	22.9	23.1	23.3	23.5	23.7	23.8
-70°	19.5	19.7	20.0	20.2	20.5	20.7	20.9	21.1	21.2	21.4	21.5
-71.25°	17.5	17.7	18.0	18.2	18.4	18.6	18.8	19.0	19.1	19.2	19.4
-72.5°	16.2	16.4	16.5	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4
-73.75°	14.9	15.1	15.2	15.3	15.5	15.6	15.7	15.8	15.8	15.9	16.0
-75°	14.2	14.3	14.3	14.4	14.5	14.5	14.6	14.6	14.6	14.7	14.7
-76.25°	13.6	13.6	13.7	13.7	13.8	13.8	13.9	13.9	13.9	14.0	14.0
-77.5°	12.7	12.8	12.8	12.9	13.0	13.0	13.1	13.1	13.2	13.2	13.3



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	11.7	11.8	11.8	11.9	12.0	12.0	12.1	12.1	12.2	12.2	12.2
-80°	10.5	10.6	10.7	10.8	10.8	10.9	11.0	11.0	11.1	11.1	11.2
-81.25°	9.2	9.3	9.4	9.4	9.5	9.6	9.6	9.7	9.7	9.7	9.8
-82.5°	7.9	8.0	8.0	8.1	8.2	8.2	8.2	8.3	8.3	8.4	8.4
-83.75°	6.6	6.6	6.7	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0
-85°	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5
-86.25°	3.5	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.8	3.8
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
85°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
83.75°	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0
82.5°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
81.25°	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
80°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
78.75°	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.3	12.3	12.3	12.3
77.5°	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
76.25°	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
75°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
73.75°	16.0	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.1
72.5°	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
71.25°	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
70°	21.6	21.7	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.8	21.8
68.75°	24.0	24.1	24.2	24.3	24.3	24.3	24.4	24.3	24.3	24.3	24.2
67.5°	26.4	26.5	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.6
66.25°	29.2	29.3	29.4	29.5	29.6	29.6	29.7	29.6	29.6	29.5	29.4
65°	32.0	32.1	32.3	32.4	32.4	32.5	32.5	32.5	32.4	32.4	32.3
63.75°	34.8	34.9	35.1	35.2	35.2	35.3	35.3	35.3	35.2	35.2	35.1
62.5°	37.5	37.7	37.8	38.0	38.0	38.1	38.1	38.1	38.0	38.0	37.8
61.25°	39.5	39.6	39.7	39.8	39.8	39.8	39.9	39.8	39.8	39.8	39.7
60°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
58.75°	43.2	43.4	43.5	43.6	43.7	43.7	43.8	43.7	43.7	43.6	43.5
57.5°	45.4	45.5	45.7	45.8	45.8	45.9	45.9	45.9	45.8	45.8	45.7
56.25°	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.5
55°	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2
53.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
52.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
48.75°	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	47.9	47.9
47.5°	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.6
46.25°	49.4	49.5	49.6	49.7	49.7	49.7	49.8	49.7	49.7	49.7	49.6
45°	50.4	50.5	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.7	50.6
43.75°	51.4	51.6	51.7	51.7	51.8	51.8	51.9	51.8	51.8	51.7	51.7
42.5°	52.5	52.6	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.8	52.7
41.25°	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.0	53.9	53.9	53.8
40°	54.6	54.7	54.9	55.0	55.0	55.1	55.1	55.1	55.0	55.0	54.9
38.75°	55.6	55.8	55.9	56.0	56.1	56.1	56.2	56.1	56.1	56.0	55.9
37.5°	56.7	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.1	57.1	57.0
36.25°	58.2	58.5	58.8	59.0	59.2	59.3	59.3	59.3	59.2	59.0	58.8
35°	60.2	60.6	60.9	61.1	61.3	61.4	61.4	61.4	61.3	61.1	60.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	63.9	65.0	65.8	66.5	67.0	67.3	67.4	67.3	67.0	66.5	65.8
32.5°	69.7	70.9	71.8	72.5	73.0	73.3	73.4	73.3	73.0	72.5	71.8
31.25°	75.9	77.3	78.4	79.3	79.9	80.3	80.5	80.3	79.9	79.3	78.4
30°	82.8	84.2	85.4	86.3	87.0	87.4	87.5	87.4	87.0	86.3	85.4
28.75°	90.9	93.3	95.4	97.4	100.6	102.6	103.2	102.6	100.6	97.4	95.4
27.5°	111.6	119.0	128.0	139.3	147.4	152.2	153.9	152.2	147.4	139.3	128.0
26.25°	170.8	190.8	211.9	228.5	240.4	247.6	250.0	247.6	240.4	228.5	211.9
25°	269.0	299.9	325.9	346.3	360.9	369.7	372.7	369.7	360.9	346.3	325.9
23.75°	390.1	425.8	455.4	478.7	495.4	505.5	508.9	505.5	495.4	478.7	455.4
22.5°	519.2	557.0	588.4	613.0	630.8	641.5	645.1	641.5	630.8	613.0	588.4
21.25°	646.6	671.1	691.5	707.5	719.1	726.1	728.4	726.1	719.1	707.5	691.5
20°	724.7	750.7	772.3	789.4	801.8	809.2	811.7	809.2	801.8	789.4	772.3
18.75°	802.1	826.3	844.9	859.6	871.2	879.0	881.6	879.0	871.2	859.6	844.9
17.5°	865.8	894.6	918.7	938.9	954.8	964.5	967.7	964.5	954.8	938.9	918.7
16.25°	941.2	976.7	1006.9	1038.6	1061.6	1075.6	1080.3	1075.6	1061.6	1038.6	1006.9
15°	1032.0	1083.0	1136.1	1187.1	1224.2	1246.7	1254.3	1246.7	1224.2	1187.1	1136.1
13.75°	1160.8	1242.6	1325.6	1394.3	1446.2	1486.0	1499.4	1486.0	1446.2	1394.3	1325.6
12.5°	1338.1	1450.5	1572.0	1669.8	1758.8	1814.9	1833.8	1814.9	1758.8	1669.8	1572.0
11.25°	1561.0	1726.1	1895.9	2050.1	2188.5	2273.4	2302.1	2273.4	2188.5	2050.1	1895.9
10°	1840.8	2081.7	2336.1	2594.2	2805.5	2935.9	2980.1	2935.9	2805.5	2594.2	2336.1
8.75°	2195.0	2556.7	2941.0	3330.0	3629.8	3833.3	3905.9	3833.3	3629.8	3330.0	2941.0
7.5°	2641.1	3159.1	3695.7	4210.3	4608.8	4873.8	4964.5	4873.8	4608.8	4210.3	3695.7
6.25°	3159.1	3840.0	4525.7	5154.2	5641.2	5952.0	6059.6	5952.0	5641.2	5154.2	4525.7
5°	3695.7	4525.7	5346.6	6062.1	6620.2	6982.8	7110.6	6982.8	6620.2	6062.1	5346.6
3.75°	4210.3	5154.2	6062.1	6859.6	7469.8	7866.2	7988.1	7866.2	7469.8	6859.6	6062.1
2.5°	4608.8	5641.2	6620.2	7469.8	8117.6	8531.5	8663.5	8531.5	8117.6	7469.8	6620.2
1.25°	4873.8	5952.0	6982.8	7866.2	8531.5	8952.8	9099.0	8952.8	8531.5	7866.2	6982.8
0°	4964.5	6059.6	7110.6	7988.1	8663.5	9099.0	9291.0	9099.0	8663.5	7988.1	7110.6
-1.25°	4873.8	5952.0	6982.8	7866.2	8531.5	8952.8	9099.0	8952.8	8531.5	7866.2	6982.8
-2.5°	4608.8	5641.2	6620.2	7469.8	8117.6	8531.5	8663.5	8531.5	8117.6	7469.8	6620.2
-3.75°	4210.3	5154.2	6062.1	6859.6	7469.8	7866.2	7988.1	7866.2	7469.8	6859.6	6062.1
-5°	3695.7	4525.7	5346.6	6062.1	6620.2	6982.8	7110.6	6982.8	6620.2	6062.1	5346.6
-6.25°	3159.1	3840.0	4525.7	5154.2	5641.2	5952.0	6059.6	5952.0	5641.2	5154.2	4525.7
-7.5°	2641.1	3159.1	3695.7	4210.3	4608.8	4873.8	4964.5	4873.8	4608.8	4210.3	3695.7
-8.75°	2195.0	2556.7	2941.0	3330.0	3629.8	3833.3	3905.9	3833.3	3629.8	3330.0	2941.0
-10°	1840.8	2081.7	2336.1	2594.2	2805.5	2935.9	2980.1	2935.9	2805.5	2594.2	2336.1
-11.25°	1561.0	1726.1	1895.9	2050.1	2188.5	2273.4	2302.1	2273.4	2188.5	2050.1	1895.9
-12.5°	1338.1	1450.5	1572.0	1669.8	1758.8	1814.9	1833.8	1814.9	1758.8	1669.8	1572.0
-13.75°	1160.8	1242.6	1325.6	1394.3	1446.2	1486.0	1499.4	1486.0	1446.2	1394.3	1325.6
-15°	1032.0	1083.0	1136.1	1187.1	1224.2	1246.7	1254.3	1246.7	1224.2	1187.1	1136.1
-16.25°	941.2	976.7	1006.9	1038.6	1061.6	1075.6	1080.3	1075.6	1061.6	1038.6	1006.9
-17.5°	865.8	894.6	918.7	938.9	954.8	964.5	967.7	964.5	954.8	938.9	918.7
-18.75°	802.1	826.3	844.9	859.6	871.2	879.0	881.6	879.0	871.2	859.6	844.9
-20°	724.7	750.7	772.3	789.4	801.8	809.2	811.7	809.2	801.8	789.4	772.3
-21.25°	646.6	671.1	691.5	707.5	719.1	726.1	728.4	726.1	719.1	707.5	691.5



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	519.2	557.0	588.4	613.0	630.8	641.5	645.1	641.5	630.8	613.0	588.4
-23.75°	390.1	425.8	455.4	478.7	495.4	505.5	508.9	505.5	495.4	478.7	455.4
-25°	269.0	299.9	325.9	346.3	360.9	369.7	372.7	369.7	360.9	346.3	325.9
-26.25°	170.8	190.8	211.9	228.5	240.4	247.6	250.0	247.6	240.4	228.5	211.9
-27.5°	111.6	119.0	128.0	139.3	147.4	152.2	153.9	152.2	147.4	139.3	128.0
-28.75°	90.9	93.3	95.4	97.4	100.6	102.6	103.2	102.6	100.6	97.4	95.4
-30°	82.8	84.2	85.4	86.3	87.0	87.4	87.5	87.4	87.0	86.3	85.4
-31.25°	75.9	77.3	78.4	79.3	79.9	80.3	80.5	80.3	79.9	79.3	78.4
-32.5°	69.7	70.9	71.8	72.5	73.0	73.3	73.4	73.3	73.0	72.5	71.8
-33.75°	63.9	65.0	65.8	66.5	67.0	67.3	67.4	67.3	67.0	66.5	65.8
-35°	60.2	60.6	60.9	61.1	61.3	61.4	61.4	61.4	61.3	61.1	60.9
-36.25°	58.2	58.5	58.8	59.0	59.2	59.3	59.3	59.3	59.2	59.0	58.8
-37.5°	56.7	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.1	57.1	57.0
-38.75°	55.6	55.8	55.9	56.0	56.1	56.1	56.2	56.1	56.1	56.0	55.9
-40°	54.6	54.7	54.9	55.0	55.0	55.1	55.1	55.1	55.0	55.0	54.9
-41.25°	53.5	53.7	53.8	53.9	53.9	54.0	54.0	54.0	53.9	53.9	53.8
-42.5°	52.5	52.6	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.8	52.7
-43.75°	51.4	51.6	51.7	51.7	51.8	51.8	51.9	51.8	51.8	51.7	51.7
-45°	50.4	50.5	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.7	50.6
-46.25°	49.4	49.5	49.6	49.7	49.7	49.7	49.8	49.7	49.7	49.7	49.6
-47.5°	48.4	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.6	48.6
-48.75°	47.8	47.8	47.9	47.9	48.0	48.0	48.0	48.0	48.0	47.9	47.9
-50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-52.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-53.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-55°	47.1	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2
-56.25°	46.4	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.5
-57.5°	45.4	45.5	45.7	45.8	45.8	45.9	45.9	45.9	45.8	45.8	45.7
-58.75°	43.2	43.4	43.5	43.6	43.7	43.7	43.8	43.7	43.7	43.6	43.5
-60°	41.2	41.3	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.5	41.4
-61.25°	39.5	39.6	39.7	39.8	39.8	39.8	39.9	39.8	39.8	39.8	39.7
-62.5°	37.5	37.7	37.8	38.0	38.0	38.1	38.1	38.1	38.0	38.0	37.8
-63.75°	34.8	34.9	35.1	35.2	35.2	35.3	35.3	35.3	35.2	35.2	35.1
-65°	32.0	32.1	32.3	32.4	32.4	32.5	32.5	32.5	32.4	32.4	32.3
-66.25°	29.2	29.3	29.4	29.5	29.6	29.6	29.7	29.6	29.6	29.5	29.4
-67.5°	26.4	26.5	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.7	26.6
-68.75°	24.0	24.1	24.2	24.3	24.3	24.3	24.4	24.3	24.3	24.3	24.2
-70°	21.6	21.7	21.8	21.8	21.9	21.9	21.9	21.9	21.9	21.8	21.8
-71.25°	19.5	19.6	19.6	19.7	19.7	19.7	19.8	19.7	19.7	19.7	19.6
-72.5°	17.4	17.5	17.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.5
-73.75°	16.0	16.1	16.1	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.1
-75°	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
-76.25°	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
-77.5°	13.3	13.3	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	12.3	12.3	12.3	12.3	12.3	12.3	12.4	12.3	12.3	12.3	12.3
-80°	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
-81.25°	9.8	9.8	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
-82.5°	8.4	8.4	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
-83.75°	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.0	7.0
-85°	5.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-86.25°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6
85°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2
83.75°	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7
82.5°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.2	8.1	8.0
81.25°	9.8	9.8	9.8	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.4
80°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7
78.75°	12.3	12.3	12.2	12.2	12.2	12.1	12.1	12.0	12.0	11.9	11.8
77.5°	13.3	13.3	13.3	13.2	13.2	13.1	13.1	13.0	13.0	12.9	12.8
76.25°	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.7	13.7
75°	14.7	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.3
73.75°	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6	15.5	15.3	15.2
72.5°	17.5	17.4	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.5
71.25°	19.6	19.5	19.4	19.2	19.1	19.0	18.8	18.6	18.4	18.2	18.0
70°	21.7	21.6	21.5	21.4	21.2	21.1	20.9	20.7	20.5	20.2	20.0
68.75°	24.1	24.0	23.8	23.7	23.5	23.3	23.1	22.9	22.6	22.3	22.0
67.5°	26.5	26.4	26.3	26.1	25.9	25.7	25.5	25.2	24.9	24.7	24.3
66.25°	29.3	29.2	29.0	28.8	28.5	28.3	28.0	27.7	27.4	27.0	26.6
65°	32.1	32.0	31.8	31.6	31.3	31.1	30.8	30.4	30.1	29.7	29.3
63.75°	34.9	34.8	34.6	34.3	34.1	33.8	33.5	33.2	32.8	32.4	32.0
62.5°	37.7	37.5	37.3	37.1	36.8	36.5	36.2	35.8	35.4	35.0	34.6
61.25°	39.6	39.5	39.3	39.2	39.0	38.8	38.6	38.4	38.1	37.7	37.2
60°	41.3	41.2	41.1	40.9	40.7	40.5	40.3	40.0	39.8	39.5	39.2
58.75°	43.4	43.2	43.1	42.8	42.6	42.3	42.0	41.7	41.4	41.1	40.8
57.5°	45.5	45.4	45.2	44.9	44.7	44.4	44.1	43.8	43.4	43.0	42.6
56.25°	46.5	46.4	46.4	46.3	46.2	46.1	46.0	45.8	45.4	45.0	44.6
55°	47.2	47.1	47.0	47.0	46.9	46.8	46.7	46.5	46.4	46.3	46.1
53.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2	47.1	46.9	46.8
52.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
48.75°	47.8	47.8	47.7	47.6	47.5	47.3	47.3	47.3	47.3	47.3	47.3
47.5°	48.5	48.4	48.4	48.3	48.1	48.0	47.9	47.7	47.5	47.4	47.3
46.25°	49.5	49.4	49.2	49.1	48.9	48.7	48.5	48.4	48.2	48.0	47.8
45°	50.5	50.4	50.2	50.1	49.9	49.7	49.4	49.2	48.9	48.6	48.4
43.75°	51.6	51.4	51.3	51.1	50.9	50.7	50.4	50.2	49.9	49.6	49.3
42.5°	52.6	52.5	52.3	52.1	51.9	51.7	51.4	51.1	50.8	50.5	50.2
41.25°	53.7	53.5	53.3	53.1	52.9	52.7	52.4	52.1	51.8	51.5	51.1
40°	54.7	54.6	54.4	54.2	54.0	53.7	53.4	53.1	52.8	52.4	52.1
38.75°	55.8	55.6	55.5	55.2	55.0	54.7	54.4	54.1	53.8	53.4	53.0
37.5°	56.8	56.7	56.5	56.3	56.0	55.7	55.4	55.1	54.8	54.4	54.0
36.25°	58.5	58.2	57.8	57.3	57.0	56.7	56.4	56.1	55.7	55.3	54.9
35°	60.6	60.2	59.8	59.3	58.8	58.2	57.6	57.0	56.7	56.3	55.8



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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°	65.0	63.9	62.7	61.3	60.8	60.2	59.5	58.8	58.0	57.2	56.7
32.5°	70.9	69.7	68.4	67.0	65.3	63.4	61.4	60.6	59.8	59.0	58.0
31.25°	77.3	75.9	74.3	72.7	70.9	69.0	66.9	64.6	62.2	60.8	59.8
30°	84.2	82.8	81.1	79.2	77.0	74.7	72.3	69.9	67.4	64.7	61.8
28.75°	93.3	90.9	88.0	85.8	83.6	81.1	78.4	75.5	72.5	69.7	66.8
27.5°	119.0	111.6	103.1	95.5	91.7	87.5	84.7	81.6	78.4	74.9	71.6
26.25°	190.8	170.8	149.4	125.1	112.3	99.8	93.0	87.8	84.3	80.7	77.0
25°	299.9	269.0	237.5	201.7	168.4	137.1	114.5	99.2	91.8	86.4	82.5
23.75°	425.8	390.1	350.2	306.4	259.6	213.6	169.9	131.7	109.5	94.9	88.3
22.5°	557.0	519.2	475.2	425.4	370.2	314.1	256.0	200.2	153.5	117.0	97.4
21.25°	671.1	646.6	601.1	548.5	490.2	426.5	358.9	291.0	226.5	168.2	121.5
20°	750.7	724.7	694.5	660.5	608.8	541.8	469.7	392.9	316.4	242.5	175.6
18.75°	826.3	802.1	770.1	734.1	694.3	651.1	579.3	498.9	414.2	329.2	247.8
17.5°	894.6	865.8	838.3	806.5	764.5	719.0	670.3	602.1	513.6	421.4	329.2
16.25°	976.7	941.2	904.3	864.9	829.0	785.2	734.0	680.0	609.7	513.6	414.2
15°	1083.0	1032.0	981.6	933.0	886.7	842.1	795.6	739.0	680.0	602.1	498.9
13.75°	1242.6	1160.8	1080.0	1010.6	953.0	897.8	846.5	795.6	734.0	670.3	579.3
12.5°	1450.5	1338.1	1221.8	1111.6	1029.5	959.7	897.8	842.1	785.2	719.0	651.1
11.25°	1726.1	1561.0	1399.0	1253.0	1126.4	1029.5	953.0	886.7	829.0	764.5	694.3
10°	2081.7	1840.8	1617.7	1419.6	1253.0	1111.6	1010.6	933.0	864.9	806.5	734.1
8.75°	2556.7	2195.0	1879.8	1617.7	1399.0	1221.8	1080.0	981.6	904.3	838.3	770.1
7.5°	3159.1	2641.1	2195.0	1840.8	1561.0	1338.1	1160.8	1032.0	941.2	865.8	802.1
6.25°	3840.0	3159.1	2556.7	2081.7	1726.1	1450.5	1242.6	1083.0	976.7	894.6	826.3
5°	4525.7	3695.7	2941.0	2336.1	1895.9	1572.0	1325.6	1136.1	1006.9	918.7	844.9
3.75°	5154.2	4210.3	3330.0	2594.2	2050.1	1669.8	1394.3	1187.1	1038.6	938.9	859.6
2.5°	5641.2	4608.8	3629.8	2805.5	2188.5	1758.8	1446.2	1224.2	1061.6	954.8	871.2
1.25°	5952.0	4873.8	3833.3	2935.9	2273.4	1814.9	1486.0	1246.7	1075.6	964.5	879.0
0°	6059.6	4964.5	3905.9	2980.1	2302.1	1833.8	1499.4	1254.3	1080.3	967.7	881.6
-1.25°	5952.0	4873.8	3833.3	2935.9	2273.4	1814.9	1486.0	1246.7	1075.6	964.5	879.0
-2.5°	5641.2	4608.8	3629.8	2805.5	2188.5	1758.8	1446.2	1224.2	1061.6	954.8	871.2
-3.75°	5154.2	4210.3	3330.0	2594.2	2050.1	1669.8	1394.3	1187.1	1038.6	938.9	859.6
-5°	4525.7	3695.7	2941.0	2336.1	1895.9	1572.0	1325.6	1136.1	1006.9	918.7	844.9
-6.25°	3840.0	3159.1	2556.7	2081.7	1726.1	1450.5	1242.6	1083.0	976.7	894.6	826.3
-7.5°	3159.1	2641.1	2195.0	1840.8	1561.0	1338.1	1160.8	1032.0	941.2	865.8	802.1
-8.75°	2556.7	2195.0	1879.8	1617.7	1399.0	1221.8	1080.0	981.6	904.3	838.3	770.1
-10°	2081.7	1840.8	1617.7	1419.6	1253.0	1111.6	1010.6	933.0	864.9	806.5	734.1
-11.25°	1726.1	1561.0	1399.0	1253.0	1126.4	1029.5	953.0	886.7	829.0	764.5	694.3
-12.5°	1450.5	1338.1	1221.8	1111.6	1029.5	959.7	897.8	842.1	785.2	719.0	651.1
-13.75°	1242.6	1160.8	1080.0	1010.6	953.0	897.8	846.5	795.6	734.0	670.3	579.3
-15°	1083.0	1032.0	981.6	933.0	886.7	842.1	795.6	739.0	680.0	602.1	498.9
-16.25°	976.7	941.2	904.3	864.9	829.0	785.2	734.0	680.0	609.7	513.6	414.2
-17.5°	894.6	865.8	838.3	806.5	764.5	719.0	670.3	602.1	513.6	421.4	329.2
-18.75°	826.3	802.1	770.1	734.1	694.3	651.1	579.3	498.9	414.2	329.2	247.8
-20°	750.7	724.7	694.5	660.5	608.8	541.8	469.7	392.9	316.4	242.5	175.6
-21.25°	671.1	646.6	601.1	548.5	490.2	426.5	358.9	291.0	226.5	168.2	121.5



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	557.0	519.2	475.2	425.4	370.2	314.1	256.0	200.2	153.5	117.0	97.4
-23.75°	425.8	390.1	350.2	306.4	259.6	213.6	169.9	131.7	109.5	94.9	88.3
-25°	299.9	269.0	237.5	201.7	168.4	137.1	114.5	99.2	91.8	86.4	82.5
-26.25°	190.8	170.8	149.4	125.1	112.3	99.8	93.0	87.8	84.3	80.7	77.0
-27.5°	119.0	111.6	103.1	95.5	91.7	87.5	84.7	81.6	78.4	74.9	71.6
-28.75°	93.3	90.9	88.0	85.8	83.6	81.1	78.4	75.5	72.5	69.7	66.8
-30°	84.2	82.8	81.1	79.2	77.0	74.7	72.3	69.9	67.4	64.7	61.8
-31.25°	77.3	75.9	74.3	72.7	70.9	69.0	66.9	64.6	62.2	60.8	59.8
-32.5°	70.9	69.7	68.4	67.0	65.3	63.4	61.4	60.6	59.8	59.0	58.0
-33.75°	65.0	63.9	62.7	61.3	60.8	60.2	59.5	58.8	58.0	57.2	56.7
-35°	60.6	60.2	59.8	59.3	58.8	58.2	57.6	57.0	56.7	56.3	55.8
-36.25°	58.5	58.2	57.8	57.3	57.0	56.7	56.4	56.1	55.7	55.3	54.9
-37.5°	56.8	56.7	56.5	56.3	56.0	55.7	55.4	55.1	54.8	54.4	54.0
-38.75°	55.8	55.6	55.5	55.2	55.0	54.7	54.4	54.1	53.8	53.4	53.0
-40°	54.7	54.6	54.4	54.2	54.0	53.7	53.4	53.1	52.8	52.4	52.1
-41.25°	53.7	53.5	53.3	53.1	52.9	52.7	52.4	52.1	51.8	51.5	51.1
-42.5°	52.6	52.5	52.3	52.1	51.9	51.7	51.4	51.1	50.8	50.5	50.2
-43.75°	51.6	51.4	51.3	51.1	50.9	50.7	50.4	50.2	49.9	49.6	49.3
-45°	50.5	50.4	50.2	50.1	49.9	49.7	49.4	49.2	48.9	48.6	48.4
-46.25°	49.5	49.4	49.2	49.1	48.9	48.7	48.5	48.4	48.2	48.0	47.8
-47.5°	48.5	48.4	48.4	48.3	48.1	48.0	47.9	47.7	47.5	47.4	47.3
-48.75°	47.8	47.8	47.7	47.6	47.5	47.3	47.3	47.3	47.3	47.3	47.3
-50°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-51.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-52.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-53.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2	47.1	46.9	46.8
-55°	47.2	47.1	47.0	47.0	46.9	46.8	46.7	46.5	46.4	46.3	46.1
-56.25°	46.5	46.4	46.4	46.3	46.2	46.1	46.0	45.8	45.4	45.0	44.6
-57.5°	45.5	45.4	45.2	44.9	44.7	44.4	44.1	43.8	43.4	43.0	42.6
-58.75°	43.4	43.2	43.1	42.8	42.6	42.3	42.0	41.7	41.4	41.1	40.8
-60°	41.3	41.2	41.1	40.9	40.7	40.5	40.3	40.0	39.8	39.5	39.2
-61.25°	39.6	39.5	39.3	39.2	39.0	38.8	38.6	38.4	38.1	37.7	37.2
-62.5°	37.7	37.5	37.3	37.1	36.8	36.5	36.2	35.8	35.4	35.0	34.6
-63.75°	34.9	34.8	34.6	34.3	34.1	33.8	33.5	33.2	32.8	32.4	32.0
-65°	32.1	32.0	31.8	31.6	31.3	31.1	30.8	30.4	30.1	29.7	29.3
-66.25°	29.3	29.2	29.0	28.8	28.5	28.3	28.0	27.7	27.4	27.0	26.6
-67.5°	26.5	26.4	26.3	26.1	25.9	25.7	25.5	25.2	24.9	24.7	24.3
-68.75°	24.1	24.0	23.8	23.7	23.5	23.3	23.1	22.9	22.6	22.3	22.0
-70°	21.7	21.6	21.5	21.4	21.2	21.1	20.9	20.7	20.5	20.2	20.0
-71.25°	19.6	19.5	19.4	19.2	19.1	19.0	18.8	18.6	18.4	18.2	18.0
-72.5°	17.5	17.4	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.5
-73.75°	16.1	16.0	16.0	15.9	15.8	15.8	15.7	15.6	15.5	15.3	15.2
-75°	14.7	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.3
-76.25°	14.1	14.0	14.0	14.0	13.9	13.9	13.9	13.8	13.8	13.7	13.7
-77.5°	13.3	13.3	13.3	13.2	13.2	13.1	13.1	13.0	13.0	12.9	12.8



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	12.3	12.3	12.2	12.2	12.2	12.1	12.1	12.0	12.0	11.9	11.8
-80°	11.2	11.2	11.2	11.1	11.1	11.0	11.0	10.9	10.8	10.8	10.7
-81.25°	9.8	9.8	9.8	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.4
-82.5°	8.4	8.4	8.4	8.4	8.3	8.3	8.2	8.2	8.2	8.1	8.0
-83.75°	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.7	6.7
-85°	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.2
-86.25°	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6
-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



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
85°	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6	4.5
83.75°	6.6	6.6	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
82.5°	8.0	7.9	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
81.25°	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
80°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5
78.75°	11.8	11.7	11.6	11.5	11.5	11.4	11.3	11.1	11.0	10.9	10.7
77.5°	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.7
76.25°	13.6	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6
75°	14.3	14.2	14.1	14.1	14.0	13.9	13.8	13.7	13.7	13.6	13.5
73.75°	15.1	14.9	14.8	14.7	14.6	14.5	14.4	14.4	14.3	14.2	14.0
72.5°	16.4	16.2	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.6
71.25°	17.7	17.5	17.3	17.2	17.0	16.8	16.6	16.3	16.1	15.9	15.6
70°	19.7	19.5	19.2	18.9	18.6	18.2	17.9	17.5	17.3	17.0	16.8
68.75°	21.7	21.5	21.1	20.8	20.5	20.1	19.8	19.4	19.0	18.5	18.1
67.5°	24.0	23.7	23.3	22.9	22.5	22.0	21.6	21.2	20.8	20.3	19.9
66.25°	26.3	25.9	25.5	25.1	24.7	24.2	23.7	23.2	22.7	22.2	21.7
65°	28.8	28.4	27.9	27.4	26.8	26.4	25.9	25.3	24.8	24.2	23.6
63.75°	31.5	31.0	30.5	29.9	29.4	28.8	28.2	27.5	26.8	26.2	25.6
62.5°	34.1	33.6	33.1	32.5	31.9	31.3	30.6	29.9	29.2	28.5	27.8
61.25°	36.7	36.2	35.6	35.0	34.4	33.7	33.1	32.4	31.6	30.9	30.1
60°	38.8	38.5	38.1	37.5	36.9	36.2	35.5	34.7	34.0	33.2	32.4
58.75°	40.4	40.1	39.7	39.3	38.9	38.4	37.9	37.1	36.3	35.5	34.6
57.5°	42.2	41.7	41.3	40.8	40.4	39.9	39.4	38.9	38.4	37.8	36.9
56.25°	44.1	43.6	43.1	42.6	42.0	41.4	40.9	40.4	39.9	39.3	38.7
55°	46.0	45.6	45.0	44.5	43.9	43.2	42.6	41.9	41.3	40.7	40.1
53.75°	46.6	46.4	46.2	46.0	45.7	45.1	44.4	43.7	43.0	42.2	41.5
52.5°	47.2	47.1	46.9	46.7	46.5	46.2	46.0	45.5	44.7	43.9	43.1
51.25°	47.3	47.3	47.3	47.3	47.1	46.8	46.6	46.3	46.1	45.6	44.8
50°	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.9	46.6	46.4	46.1
48.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.9	46.6
47.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2
46.25°	47.6	47.4	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
45°	48.2	48.0	47.7	47.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3
43.75°	48.9	48.6	48.3	48.1	47.8	47.5	47.3	47.3	47.3	47.3	47.3
42.5°	49.8	49.5	49.1	48.7	48.4	48.1	47.8	47.5	47.3	47.3	47.3
41.25°	50.8	50.4	50.0	49.5	49.1	48.6	48.3	48.0	47.7	47.3	47.3
40°	51.7	51.3	50.8	50.4	49.9	49.5	49.0	48.5	48.2	47.8	47.4
38.75°	52.6	52.2	51.7	51.3	50.8	50.3	49.8	49.2	48.7	48.3	47.9
37.5°	53.5	53.1	52.6	52.1	51.6	51.1	50.6	50.0	49.5	48.9	48.4
36.25°	54.5	54.0	53.5	53.0	52.4	51.9	51.4	50.8	50.2	49.6	49.0
35°	55.4	54.9	54.4	53.8	53.3	52.7	52.1	51.6	51.0	50.3	49.7



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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°	56.3	55.8	55.3	54.7	54.1	53.5	52.9	52.3	51.7	51.1	50.4
32.5°	57.1	56.6	56.1	55.5	55.0	54.4	53.7	53.1	52.4	51.8	51.1
31.25°	58.8	57.7	56.9	56.4	55.8	55.2	54.5	53.8	53.1	52.4	51.8
30°	60.5	59.4	58.3	57.1	56.5	55.9	55.3	54.6	53.9	53.1	52.4
28.75°	63.7	61.1	59.9	58.7	57.4	56.6	56.0	55.3	54.6	53.8	53.1
27.5°	68.4	65.1	61.6	60.2	58.9	57.5	56.7	56.0	55.3	54.5	53.7
26.25°	73.1	69.6	66.0	62.2	60.3	59.0	57.5	56.6	55.9	55.2	54.4
25°	78.4	74.2	70.3	66.5	62.5	60.3	58.9	57.4	56.5	55.8	55.0
23.75°	83.7	79.3	74.8	70.6	66.5	62.2	60.2	58.7	57.1	56.4	55.5
22.5°	89.8	84.3	79.6	74.8	70.3	66.0	61.6	59.9	58.3	56.9	56.1
21.25°	100.4	90.3	84.3	79.3	74.2	69.6	65.1	61.1	59.4	57.7	56.6
20°	123.4	100.4	89.8	83.7	78.4	73.1	68.4	63.7	60.5	58.8	57.1
18.75°	175.6	121.5	97.4	88.3	82.5	77.0	71.6	66.8	61.8	59.8	58.0
17.5°	242.5	168.2	117.0	94.9	86.4	80.7	74.9	69.7	64.7	60.8	59.0
16.25°	316.4	226.5	153.5	109.5	91.8	84.3	78.4	72.5	67.4	62.2	59.8
15°	392.9	291.0	200.2	131.7	99.2	87.8	81.6	75.5	69.9	64.6	60.6
13.75°	469.7	358.9	256.0	169.9	114.5	93.0	84.7	78.4	72.3	66.9	61.4
12.5°	541.8	426.5	314.1	213.6	137.1	99.8	87.5	81.1	74.7	69.0	63.4
11.25°	608.8	490.2	370.2	259.6	168.4	112.3	91.7	83.6	77.0	70.9	65.3
10°	660.5	548.5	425.4	306.4	201.7	125.1	95.5	85.8	79.2	72.7	67.0
8.75°	694.5	601.1	475.2	350.2	237.5	149.4	103.1	88.0	81.1	74.3	68.4
7.5°	724.7	646.6	519.2	390.1	269.0	170.8	111.6	90.9	82.8	75.9	69.7
6.25°	750.7	671.1	557.0	425.8	299.9	190.8	119.0	93.3	84.2	77.3	70.9
5°	772.3	691.5	588.4	455.4	325.9	211.9	128.0	95.4	85.4	78.4	71.8
3.75°	789.4	707.5	613.0	478.7	346.3	228.5	139.3	97.4	86.3	79.3	72.5
2.5°	801.8	719.1	630.8	495.4	360.9	240.4	147.4	100.6	87.0	79.9	73.0
1.25°	809.2	726.1	641.5	505.5	369.7	247.6	152.2	102.6	87.4	80.3	73.3
0°	811.7	728.4	645.1	508.9	372.7	250.0	153.9	103.2	87.5	80.5	73.4
-1.25°	809.2	726.1	641.5	505.5	369.7	247.6	152.2	102.6	87.4	80.3	73.3
-2.5°	801.8	719.1	630.8	495.4	360.9	240.4	147.4	100.6	87.0	79.9	73.0
-3.75°	789.4	707.5	613.0	478.7	346.3	228.5	139.3	97.4	86.3	79.3	72.5
-5°	772.3	691.5	588.4	455.4	325.9	211.9	128.0	95.4	85.4	78.4	71.8
-6.25°	750.7	671.1	557.0	425.8	299.9	190.8	119.0	93.3	84.2	77.3	70.9
-7.5°	724.7	646.6	519.2	390.1	269.0	170.8	111.6	90.9	82.8	75.9	69.7
-8.75°	694.5	601.1	475.2	350.2	237.5	149.4	103.1	88.0	81.1	74.3	68.4
-10°	660.5	548.5	425.4	306.4	201.7	125.1	95.5	85.8	79.2	72.7	67.0
-11.25°	608.8	490.2	370.2	259.6	168.4	112.3	91.7	83.6	77.0	70.9	65.3
-12.5°	541.8	426.5	314.1	213.6	137.1	99.8	87.5	81.1	74.7	69.0	63.4
-13.75°	469.7	358.9	256.0	169.9	114.5	93.0	84.7	78.4	72.3	66.9	61.4
-15°	392.9	291.0	200.2	131.7	99.2	87.8	81.6	75.5	69.9	64.6	60.6
-16.25°	316.4	226.5	153.5	109.5	91.8	84.3	78.4	72.5	67.4	62.2	59.8
-17.5°	242.5	168.2	117.0	94.9	86.4	80.7	74.9	69.7	64.7	60.8	59.0
-18.75°	175.6	121.5	97.4	88.3	82.5	77.0	71.6	66.8	61.8	59.8	58.0
-20°	123.4	100.4	89.8	83.7	78.4	73.1	68.4	63.7	60.5	58.8	57.1
-21.25°	100.4	90.3	84.3	79.3	74.2	69.6	65.1	61.1	59.4	57.7	56.6



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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°	89.8	84.3	79.6	74.8	70.3	66.0	61.6	59.9	58.3	56.9	56.1
-23.75°	83.7	79.3	74.8	70.6	66.5	62.2	60.2	58.7	57.1	56.4	55.5
-25°	78.4	74.2	70.3	66.5	62.5	60.3	58.9	57.4	56.5	55.8	55.0
-26.25°	73.1	69.6	66.0	62.2	60.3	59.0	57.5	56.6	55.9	55.2	54.4
-27.5°	68.4	65.1	61.6	60.2	58.9	57.5	56.7	56.0	55.3	54.5	53.7
-28.75°	63.7	61.1	59.9	58.7	57.4	56.6	56.0	55.3	54.6	53.8	53.1
-30°	60.5	59.4	58.3	57.1	56.5	55.9	55.3	54.6	53.9	53.1	52.4
-31.25°	58.8	57.7	56.9	56.4	55.8	55.2	54.5	53.8	53.1	52.4	51.8
-32.5°	57.1	56.6	56.1	55.5	55.0	54.4	53.7	53.1	52.4	51.8	51.1
-33.75°	56.3	55.8	55.3	54.7	54.1	53.5	52.9	52.3	51.7	51.1	50.4
-35°	55.4	54.9	54.4	53.8	53.3	52.7	52.1	51.6	51.0	50.3	49.7
-36.25°	54.5	54.0	53.5	53.0	52.4	51.9	51.4	50.8	50.2	49.6	49.0
-37.5°	53.5	53.1	52.6	52.1	51.6	51.1	50.6	50.0	49.5	48.9	48.4
-38.75°	52.6	52.2	51.7	51.3	50.8	50.3	49.8	49.2	48.7	48.3	47.9
-40°	51.7	51.3	50.8	50.4	49.9	49.5	49.0	48.5	48.2	47.8	47.4
-41.25°	50.8	50.4	50.0	49.5	49.1	48.6	48.3	48.0	47.7	47.3	47.3
-42.5°	49.8	49.5	49.1	48.7	48.4	48.1	47.8	47.5	47.3	47.3	47.3
-43.75°	48.9	48.6	48.3	48.1	47.8	47.5	47.3	47.3	47.3	47.3	47.3
-45°	48.2	48.0	47.7	47.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-46.25°	47.6	47.4	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
-47.5°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2
-48.75°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.9	46.6
-50°	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.9	46.6	46.4	46.1
-51.25°	47.3	47.3	47.3	47.3	47.1	46.8	46.6	46.3	46.1	45.6	44.8
-52.5°	47.2	47.1	46.9	46.7	46.5	46.2	46.0	45.5	44.7	43.9	43.1
-53.75°	46.6	46.4	46.2	46.0	45.7	45.1	44.4	43.7	43.0	42.2	41.5
-55°	46.0	45.6	45.0	44.5	43.9	43.2	42.6	41.9	41.3	40.7	40.1
-56.25°	44.1	43.6	43.1	42.6	42.0	41.4	40.9	40.4	39.9	39.3	38.7
-57.5°	42.2	41.7	41.3	40.8	40.4	39.9	39.4	38.9	38.4	37.8	36.9
-58.75°	40.4	40.1	39.7	39.3	38.9	38.4	37.9	37.1	36.3	35.5	34.6
-60°	38.8	38.5	38.1	37.5	36.9	36.2	35.5	34.7	34.0	33.2	32.4
-61.25°	36.7	36.2	35.6	35.0	34.4	33.7	33.1	32.4	31.6	30.9	30.1
-62.5°	34.1	33.6	33.1	32.5	31.9	31.3	30.6	29.9	29.2	28.5	27.8
-63.75°	31.5	31.0	30.5	29.9	29.4	28.8	28.2	27.5	26.8	26.2	25.6
-65°	28.8	28.4	27.9	27.4	26.8	26.4	25.9	25.3	24.8	24.2	23.6
-66.25°	26.3	25.9	25.5	25.1	24.7	24.2	23.7	23.2	22.7	22.2	21.7
-67.5°	24.0	23.7	23.3	22.9	22.5	22.0	21.6	21.2	20.8	20.3	19.9
-68.75°	21.7	21.5	21.1	20.8	20.5	20.1	19.8	19.4	19.0	18.5	18.1
-70°	19.7	19.5	19.2	18.9	18.6	18.2	17.9	17.5	17.3	17.0	16.8
-71.25°	17.7	17.5	17.3	17.2	17.0	16.8	16.6	16.3	16.1	15.9	15.6
-72.5°	16.4	16.2	16.1	15.9	15.7	15.5	15.3	15.1	14.9	14.7	14.6
-73.75°	15.1	14.9	14.8	14.7	14.6	14.5	14.4	14.4	14.3	14.2	14.0
-75°	14.3	14.2	14.1	14.1	14.0	13.9	13.8	13.7	13.7	13.6	13.5
-76.25°	13.6	13.6	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.7	12.6
-77.5°	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.7



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	11.8	11.7	11.6	11.5	11.5	11.4	11.3	11.1	11.0	10.9	10.7
-80°	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.5
-81.25°	9.3	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4
-82.5°	8.0	7.9	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
-83.75°	6.6	6.6	6.5	6.4	6.4	6.3	6.2	6.2	6.1	6.0	5.9
-85°	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.7	4.7	4.6	4.5
-86.25°	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0
-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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	2.3	2.2
85°	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
83.75°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.6
82.5°	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8
81.25°	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8
80°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
78.75°	10.6	10.4	10.2	10.1	9.9	9.7	9.5	9.4	9.2	9.0	8.8
77.5°	11.6	11.5	11.3	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7
76.25°	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.4	11.2	10.9	10.7
75°	13.3	13.2	13.0	12.9	12.7	12.5	12.3	12.1	12.0	11.8	11.6
73.75°	13.9	13.8	13.7	13.6	13.5	13.3	13.1	12.9	12.7	12.5	12.3
72.5°	14.5	14.4	14.3	14.1	14.0	13.9	13.7	13.6	13.4	13.2	13.0
71.25°	15.4	15.1	14.8	14.7	14.5	14.4	14.2	14.1	13.9	13.8	13.6
70°	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.6	14.4	14.2	14.1
68.75°	17.7	17.3	17.0	16.7	16.4	16.1	15.7	15.4	15.0	14.7	14.5
67.5°	19.4	18.9	18.4	17.9	17.4	17.1	16.7	16.4	16.0	15.6	15.2
66.25°	21.2	20.6	20.1	19.6	19.0	18.4	17.8	17.3	16.9	16.5	16.1
65°	23.0	22.4	21.8	21.2	20.6	20.0	19.4	18.7	18.1	17.5	17.0
63.75°	25.0	24.3	23.7	23.0	22.2	21.6	20.9	20.2	19.5	18.8	18.1
62.5°	27.0	26.3	25.5	24.8	24.1	23.3	22.5	21.7	21.0	20.3	19.5
61.25°	29.2	28.4	27.5	26.7	25.9	25.1	24.3	23.4	22.5	21.7	20.9
60°	31.5	30.6	29.7	28.8	27.8	26.8	26.0	25.1	24.2	23.3	22.3
58.75°	33.7	32.8	31.9	30.9	29.9	28.9	27.8	26.8	25.8	24.9	23.9
57.5°	35.9	35.0	34.0	33.0	32.0	30.9	29.8	28.7	27.6	26.5	25.4
56.25°	38.1	37.1	36.1	35.1	34.0	32.9	31.8	30.6	29.4	28.2	27.0
55°	39.5	38.8	38.2	37.1	36.0	34.9	33.7	32.5	31.3	30.1	28.8
53.75°	40.8	40.2	39.5	38.8	38.0	36.8	35.6	34.4	33.1	31.9	30.5
52.5°	42.3	41.5	40.8	40.0	39.3	38.5	37.5	36.2	34.9	33.6	32.3
51.25°	43.9	43.1	42.1	41.3	40.5	39.7	38.9	38.1	36.7	35.3	34.0
50°	45.6	44.6	43.7	42.7	41.7	40.9	40.1	39.2	38.3	37.1	35.6
48.75°	46.3	46.0	45.3	44.2	43.2	42.2	41.2	40.3	39.4	38.5	37.3
47.5°	46.8	46.5	46.2	45.7	44.7	43.6	42.5	41.4	40.5	39.6	38.6
46.25°	47.3	47.0	46.7	46.3	46.0	45.0	43.9	42.7	41.6	40.6	39.6
45°	47.3	47.3	47.2	46.8	46.4	46.1	45.2	44.0	42.8	41.6	40.6
43.75°	47.3	47.3	47.3	47.3	46.9	46.5	46.1	45.3	44.1	42.8	41.6
42.5°	47.3	47.3	47.3	47.3	47.3	47.0	46.6	46.1	45.3	44.0	42.7
41.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.0	46.6	46.1	45.2	43.9
40°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.0	46.5	46.1	45.0
38.75°	47.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.9	46.4	46.0
37.5°	48.0	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.8	46.3
36.25°	48.5	48.1	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.7
35°	49.1	48.5	48.1	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.0



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	49.7	49.1	48.5	48.0	47.5	47.3	47.3	47.3	47.3	47.3	47.3
32.5°	50.4	49.7	49.0	48.4	47.9	47.4	47.3	47.3	47.3	47.3	47.3
31.25°	51.1	50.3	49.6	48.9	48.3	47.8	47.3	47.3	47.3	47.3	47.3
30°	51.7	51.0	50.2	49.5	48.7	48.2	47.7	47.3	47.3	47.3	47.3
28.75°	52.3	51.6	50.8	50.0	49.2	48.5	48.0	47.5	47.3	47.3	47.3
27.5°	52.9	52.1	51.4	50.6	49.8	49.0	48.3	47.8	47.3	47.3	47.3
26.25°	53.5	52.7	51.9	51.1	50.3	49.5	48.6	48.1	47.5	47.3	47.3
25°	54.1	53.3	52.4	51.6	50.8	49.9	49.1	48.4	47.8	47.3	47.3
23.75°	54.7	53.8	53.0	52.1	51.3	50.4	49.5	48.7	48.1	47.5	47.3
22.5°	55.3	54.4	53.5	52.6	51.7	50.8	50.0	49.1	48.3	47.7	47.3
21.25°	55.8	54.9	54.0	53.1	52.2	51.3	50.4	49.5	48.6	48.0	47.4
20°	56.3	55.4	54.5	53.5	52.6	51.7	50.8	49.8	48.9	48.2	47.6
18.75°	56.7	55.8	54.9	54.0	53.0	52.1	51.1	50.2	49.3	48.4	47.8
17.5°	57.2	56.3	55.3	54.4	53.4	52.4	51.5	50.5	49.6	48.6	48.0
16.25°	58.0	56.7	55.7	54.8	53.8	52.8	51.8	50.8	49.9	48.9	48.2
15°	58.8	57.0	56.1	55.1	54.1	53.1	52.1	51.1	50.2	49.2	48.4
13.75°	59.5	57.6	56.4	55.4	54.4	53.4	52.4	51.4	50.4	49.4	48.5
12.5°	60.2	58.2	56.7	55.7	54.7	53.7	52.7	51.7	50.7	49.7	48.7
11.25°	60.8	58.8	57.0	56.0	55.0	54.0	52.9	51.9	50.9	49.9	48.9
10°	61.3	59.3	57.3	56.3	55.2	54.2	53.1	52.1	51.1	50.1	49.1
8.75°	62.7	59.8	57.8	56.5	55.5	54.4	53.3	52.3	51.3	50.2	49.2
7.5°	63.9	60.2	58.2	56.7	55.6	54.6	53.5	52.5	51.4	50.4	49.4
6.25°	65.0	60.6	58.5	56.8	55.8	54.7	53.7	52.6	51.6	50.5	49.5
5°	65.8	60.9	58.8	57.0	55.9	54.9	53.8	52.7	51.7	50.6	49.6
3.75°	66.5	61.1	59.0	57.1	56.0	55.0	53.9	52.8	51.7	50.7	49.7
2.5°	67.0	61.3	59.2	57.1	56.1	55.0	53.9	52.9	51.8	50.8	49.7
1.25°	67.3	61.4	59.3	57.2	56.1	55.1	54.0	52.9	51.8	50.8	49.7
0°	67.4	61.4	59.3	57.2	56.2	55.1	54.0	52.9	51.9	50.8	49.8
-1.25°	67.3	61.4	59.3	57.2	56.1	55.1	54.0	52.9	51.8	50.8	49.7
-2.5°	67.0	61.3	59.2	57.1	56.1	55.0	53.9	52.9	51.8	50.8	49.7
-3.75°	66.5	61.1	59.0	57.1	56.0	55.0	53.9	52.8	51.7	50.7	49.7
-5°	65.8	60.9	58.8	57.0	55.9	54.9	53.8	52.7	51.7	50.6	49.6
-6.25°	65.0	60.6	58.5	56.8	55.8	54.7	53.7	52.6	51.6	50.5	49.5
-7.5°	63.9	60.2	58.2	56.7	55.6	54.6	53.5	52.5	51.4	50.4	49.4
-8.75°	62.7	59.8	57.8	56.5	55.5	54.4	53.3	52.3	51.3	50.2	49.2
-10°	61.3	59.3	57.3	56.3	55.2	54.2	53.1	52.1	51.1	50.1	49.1
-11.25°	60.8	58.8	57.0	56.0	55.0	54.0	52.9	51.9	50.9	49.9	48.9
-12.5°	60.2	58.2	56.7	55.7	54.7	53.7	52.7	51.7	50.7	49.7	48.7
-13.75°	59.5	57.6	56.4	55.4	54.4	53.4	52.4	51.4	50.4	49.4	48.5
-15°	58.8	57.0	56.1	55.1	54.1	53.1	52.1	51.1	50.2	49.2	48.4
-16.25°	58.0	56.7	55.7	54.8	53.8	52.8	51.8	50.8	49.9	48.9	48.2
-17.5°	57.2	56.3	55.3	54.4	53.4	52.4	51.5	50.5	49.6	48.6	48.0
-18.75°	56.7	55.8	54.9	54.0	53.0	52.1	51.1	50.2	49.3	48.4	47.8
-20°	56.3	55.4	54.5	53.5	52.6	51.7	50.8	49.8	48.9	48.2	47.6
-21.25°	55.8	54.9	54.0	53.1	52.2	51.3	50.4	49.5	48.6	48.0	47.4



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	55.3	54.4	53.5	52.6	51.7	50.8	50.0	49.1	48.3	47.7	47.3
-23.75°	54.7	53.8	53.0	52.1	51.3	50.4	49.5	48.7	48.1	47.5	47.3
-25°	54.1	53.3	52.4	51.6	50.8	49.9	49.1	48.4	47.8	47.3	47.3
-26.25°	53.5	52.7	51.9	51.1	50.3	49.5	48.6	48.1	47.5	47.3	47.3
-27.5°	52.9	52.1	51.4	50.6	49.8	49.0	48.3	47.8	47.3	47.3	47.3
-28.75°	52.3	51.6	50.8	50.0	49.2	48.5	48.0	47.5	47.3	47.3	47.3
-30°	51.7	51.0	50.2	49.5	48.7	48.2	47.7	47.3	47.3	47.3	47.3
-31.25°	51.1	50.3	49.6	48.9	48.3	47.8	47.3	47.3	47.3	47.3	47.3
-32.5°	50.4	49.7	49.0	48.4	47.9	47.4	47.3	47.3	47.3	47.3	47.3
-33.75°	49.7	49.1	48.5	48.0	47.5	47.3	47.3	47.3	47.3	47.3	47.3
-35°	49.1	48.5	48.1	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.0
-36.25°	48.5	48.1	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.2	46.7
-37.5°	48.0	47.6	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.8	46.3
-38.75°	47.5	47.3	47.3	47.3	47.3	47.3	47.3	47.3	46.9	46.4	46.0
-40°	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.0	46.5	46.1	45.0
-41.25°	47.3	47.3	47.3	47.3	47.3	47.3	47.0	46.6	46.1	45.2	43.9
-42.5°	47.3	47.3	47.3	47.3	47.3	47.0	46.6	46.1	45.3	44.0	42.7
-43.75°	47.3	47.3	47.3	47.3	46.9	46.5	46.1	45.3	44.1	42.8	41.6
-45°	47.3	47.3	47.2	46.8	46.4	46.1	45.2	44.0	42.8	41.6	40.6
-46.25°	47.3	47.0	46.7	46.3	46.0	45.0	43.9	42.7	41.6	40.6	39.6
-47.5°	46.8	46.5	46.2	45.7	44.7	43.6	42.5	41.4	40.5	39.6	38.6
-48.75°	46.3	46.0	45.3	44.2	43.2	42.2	41.2	40.3	39.4	38.5	37.3
-50°	45.6	44.6	43.7	42.7	41.7	40.9	40.1	39.2	38.3	37.1	35.6
-51.25°	43.9	43.1	42.1	41.3	40.5	39.7	38.9	38.1	36.7	35.3	34.0
-52.5°	42.3	41.5	40.8	40.0	39.3	38.5	37.5	36.2	34.9	33.6	32.3
-53.75°	40.8	40.2	39.5	38.8	38.0	36.8	35.6	34.4	33.1	31.9	30.5
-55°	39.5	38.8	38.2	37.1	36.0	34.9	33.7	32.5	31.3	30.1	28.8
-56.25°	38.1	37.1	36.1	35.1	34.0	32.9	31.8	30.6	29.4	28.2	27.0
-57.5°	35.9	35.0	34.0	33.0	32.0	30.9	29.8	28.7	27.6	26.5	25.4
-58.75°	33.7	32.8	31.9	30.9	29.9	28.9	27.8	26.8	25.8	24.9	23.9
-60°	31.5	30.6	29.7	28.8	27.8	26.8	26.0	25.1	24.2	23.3	22.3
-61.25°	29.2	28.4	27.5	26.7	25.9	25.1	24.3	23.4	22.5	21.7	20.9
-62.5°	27.0	26.3	25.5	24.8	24.1	23.3	22.5	21.7	21.0	20.3	19.5
-63.75°	25.0	24.3	23.7	23.0	22.2	21.6	20.9	20.2	19.5	18.8	18.1
-65°	23.0	22.4	21.8	21.2	20.6	20.0	19.4	18.7	18.1	17.5	17.0
-66.25°	21.2	20.6	20.1	19.6	19.0	18.4	17.8	17.3	16.9	16.5	16.1
-67.5°	19.4	18.9	18.4	17.9	17.4	17.1	16.7	16.4	16.0	15.6	15.2
-68.75°	17.7	17.3	17.0	16.7	16.4	16.1	15.7	15.4	15.0	14.7	14.5
-70°	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.6	14.4	14.2	14.1
-71.25°	15.4	15.1	14.8	14.7	14.5	14.4	14.2	14.1	13.9	13.8	13.6
-72.5°	14.5	14.4	14.3	14.1	14.0	13.9	13.7	13.6	13.4	13.2	13.0
-73.75°	13.9	13.8	13.7	13.6	13.5	13.3	13.1	12.9	12.7	12.5	12.3
-75°	13.3	13.2	13.0	12.9	12.7	12.5	12.3	12.1	12.0	11.8	11.6
-76.25°	12.5	12.3	12.2	12.0	11.9	11.7	11.5	11.4	11.2	10.9	10.7
-77.5°	11.6	11.5	11.3	11.2	11.0	10.8	10.6	10.4	10.2	10.0	9.7



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	10.6	10.4	10.2	10.1	9.9	9.7	9.5	9.4	9.2	9.0	8.8
-80°	9.4	9.3	9.1	9.0	8.8	8.7	8.5	8.3	8.2	8.0	7.8
-81.25°	8.2	8.1	8.0	7.8	7.7	7.6	7.4	7.3	7.1	7.0	6.8
-82.5°	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8
-83.75°	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.6
-85°	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4
-86.25°	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.5	2.4	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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.5	2.4	2.2	2.1
83.75°	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.1	3.0
82.5°	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.8
81.25°	6.6	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2	4.9	4.7
80°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6
78.75°	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.3
77.5°	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0
76.25°	10.4	10.2	9.9	9.7	9.4	9.1	8.9	8.6	8.3	8.0	7.7
75°	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.4	9.1	8.7	8.4
73.75°	12.1	11.8	11.6	11.4	11.1	10.8	10.4	10.1	9.8	9.4	9.1
72.5°	12.7	12.5	12.3	12.0	11.8	11.5	11.2	10.9	10.5	10.2	9.8
71.25°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.5
70°	13.9	13.7	13.5	13.3	13.0	12.7	12.4	12.1	11.8	11.5	11.1
68.75°	14.3	14.1	13.9	13.7	13.5	13.3	13.0	12.7	12.3	12.0	11.7
67.5°	14.8	14.6	14.4	14.2	13.9	13.7	13.5	13.2	12.9	12.5	12.2
66.25°	15.7	15.2	14.8	14.6	14.3	14.1	13.9	13.6	13.4	13.0	12.7
65°	16.6	16.1	15.7	15.2	14.7	14.5	14.3	14.0	13.7	13.5	13.1
63.75°	17.5	17.0	16.5	16.0	15.5	15.0	14.6	14.4	14.1	13.8	13.6
62.5°	18.8	18.0	17.3	16.8	16.3	15.7	15.2	14.7	14.4	14.2	13.9
61.25°	20.1	19.3	18.5	17.6	17.1	16.5	15.9	15.4	14.8	14.5	14.2
60°	21.5	20.6	19.7	18.9	18.0	17.3	16.7	16.1	15.5	14.8	14.5
58.75°	22.9	21.9	21.0	20.1	19.2	18.2	17.4	16.8	16.1	15.5	14.8
57.5°	24.4	23.4	22.3	21.3	20.3	19.4	18.4	17.5	16.8	16.1	15.5
56.25°	25.9	24.8	23.7	22.6	21.5	20.5	19.5	18.4	17.5	16.8	16.1
55°	27.5	26.3	25.1	23.9	22.8	21.6	20.5	19.5	18.4	17.4	16.7
53.75°	29.2	27.8	26.5	25.3	24.1	22.8	21.6	20.5	19.4	18.2	17.3
52.5°	30.9	29.5	28.0	26.6	25.3	24.1	22.8	21.5	20.3	19.2	18.0
51.25°	32.5	31.1	29.6	28.1	26.6	25.3	23.9	22.6	21.3	20.1	18.9
50°	34.2	32.7	31.1	29.6	28.0	26.5	25.1	23.7	22.3	21.0	19.7
48.75°	35.8	34.2	32.7	31.1	29.5	27.8	26.3	24.8	23.4	21.9	20.6
47.5°	37.3	35.8	34.2	32.5	30.9	29.2	27.5	25.9	24.4	22.9	21.5
46.25°	38.6	37.3	35.6	34.0	32.3	30.5	28.8	27.0	25.4	23.9	22.3
45°	39.6	38.5	37.1	35.3	33.6	31.9	30.1	28.2	26.5	24.9	23.3
43.75°	40.5	39.4	38.3	36.7	34.9	33.1	31.3	29.4	27.6	25.8	24.2
42.5°	41.4	40.3	39.2	38.1	36.2	34.4	32.5	30.6	28.7	26.8	25.1
41.25°	42.5	41.2	40.1	38.9	37.5	35.6	33.7	31.8	29.8	27.8	26.0
40°	43.6	42.2	40.9	39.7	38.5	36.8	34.9	32.9	30.9	28.9	26.8
38.75°	44.7	43.2	41.7	40.5	39.3	38.0	36.0	34.0	32.0	29.9	27.8
37.5°	45.7	44.2	42.7	41.3	40.0	38.8	37.1	35.1	33.0	30.9	28.8
36.25°	46.2	45.3	43.7	42.1	40.8	39.5	38.2	36.1	34.0	31.9	29.7
35°	46.5	46.0	44.6	43.1	41.5	40.2	38.8	37.1	35.0	32.8	30.6



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	46.8	46.3	45.6	43.9	42.3	40.8	39.5	38.1	35.9	33.7	31.5
32.5°	47.2	46.6	46.1	44.8	43.1	41.5	40.1	38.7	36.9	34.6	32.4
31.25°	47.3	46.9	46.4	45.6	43.9	42.2	40.7	39.3	37.8	35.5	33.2
30°	47.3	47.2	46.6	46.1	44.7	43.0	41.3	39.9	38.4	36.3	34.0
28.75°	47.3	47.3	46.9	46.3	45.5	43.7	41.9	40.4	38.9	37.1	34.7
27.5°	47.3	47.3	47.2	46.6	46.0	44.4	42.6	40.9	39.4	37.9	35.5
26.25°	47.3	47.3	47.3	46.8	46.2	45.1	43.2	41.4	39.9	38.4	36.2
25°	47.3	47.3	47.3	47.1	46.5	45.7	43.9	42.0	40.4	38.9	36.9
23.75°	47.3	47.3	47.3	47.3	46.7	46.0	44.5	42.6	40.8	39.3	37.5
22.5°	47.3	47.3	47.3	47.3	46.9	46.2	45.0	43.1	41.3	39.7	38.1
21.25°	47.3	47.3	47.3	47.3	47.1	46.4	45.6	43.6	41.7	40.1	38.5
20°	47.3	47.3	47.3	47.3	47.2	46.6	46.0	44.1	42.2	40.4	38.8
18.75°	47.3	47.3	47.3	47.3	47.3	46.8	46.1	44.6	42.6	40.8	39.2
17.5°	47.4	47.3	47.3	47.3	47.3	46.9	46.3	45.0	43.0	41.1	39.5
16.25°	47.5	47.3	47.3	47.3	47.3	47.1	46.4	45.4	43.4	41.4	39.8
15°	47.7	47.3	47.3	47.3	47.3	47.2	46.5	45.8	43.8	41.7	40.0
13.75°	47.9	47.3	47.3	47.3	47.3	47.3	46.7	46.0	44.1	42.0	40.3
12.5°	48.0	47.3	47.3	47.3	47.3	47.3	46.8	46.1	44.4	42.3	40.5
11.25°	48.1	47.5	47.3	47.3	47.3	47.3	46.9	46.2	44.7	42.6	40.7
10°	48.3	47.6	47.3	47.3	47.3	47.3	47.0	46.3	44.9	42.8	40.9
8.75°	48.4	47.7	47.3	47.3	47.3	47.3	47.0	46.4	45.2	43.1	41.1
7.5°	48.4	47.8	47.3	47.3	47.3	47.3	47.1	46.4	45.4	43.2	41.2
6.25°	48.5	47.8	47.3	47.3	47.3	47.3	47.2	46.5	45.5	43.4	41.3
5°	48.6	47.9	47.3	47.3	47.3	47.3	47.2	46.5	45.7	43.5	41.4
3.75°	48.6	47.9	47.3	47.3	47.3	47.3	47.3	46.6	45.8	43.6	41.5
2.5°	48.7	48.0	47.3	47.3	47.3	47.3	47.3	46.6	45.8	43.7	41.6
1.25°	48.7	48.0	47.3	47.3	47.3	47.3	47.3	46.6	45.9	43.7	41.6
0°	48.7	48.0	47.3	47.3	47.3	47.3	47.3	46.6	45.9	43.8	41.6
-1.25°	48.7	48.0	47.3	47.3	47.3	47.3	47.3	46.6	45.9	43.7	41.6
-2.5°	48.7	48.0	47.3	47.3	47.3	47.3	47.3	46.6	45.8	43.7	41.6
-3.75°	48.6	47.9	47.3	47.3	47.3	47.3	47.3	46.6	45.8	43.6	41.5
-5°	48.6	47.9	47.3	47.3	47.3	47.3	47.2	46.5	45.7	43.5	41.4
-6.25°	48.5	47.8	47.3	47.3	47.3	47.3	47.2	46.5	45.5	43.4	41.3
-7.5°	48.4	47.8	47.3	47.3	47.3	47.3	47.1	46.4	45.4	43.2	41.2
-8.75°	48.4	47.7	47.3	47.3	47.3	47.3	47.0	46.4	45.2	43.1	41.1
-10°	48.3	47.6	47.3	47.3	47.3	47.3	47.0	46.3	44.9	42.8	40.9
-11.25°	48.1	47.5	47.3	47.3	47.3	47.3	46.9	46.2	44.7	42.6	40.7
-12.5°	48.0	47.3	47.3	47.3	47.3	47.3	46.8	46.1	44.4	42.3	40.5
-13.75°	47.9	47.3	47.3	47.3	47.3	47.3	46.7	46.0	44.1	42.0	40.3
-15°	47.7	47.3	47.3	47.3	47.3	47.2	46.5	45.8	43.8	41.7	40.0
-16.25°	47.5	47.3	47.3	47.3	47.3	47.1	46.4	45.4	43.4	41.4	39.8
-17.5°	47.4	47.3	47.3	47.3	47.3	46.9	46.3	45.0	43.0	41.1	39.5
-18.75°	47.3	47.3	47.3	47.3	47.3	46.8	46.1	44.6	42.6	40.8	39.2
-20°	47.3	47.3	47.3	47.3	47.2	46.6	46.0	44.1	42.2	40.4	38.8
-21.25°	47.3	47.3	47.3	47.3	47.1	46.4	45.6	43.6	41.7	40.1	38.5



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	47.3	47.3	47.3	47.3	46.9	46.2	45.0	43.1	41.3	39.7	38.1
-23.75°	47.3	47.3	47.3	47.3	46.7	46.0	44.5	42.6	40.8	39.3	37.5
-25°	47.3	47.3	47.3	47.1	46.5	45.7	43.9	42.0	40.4	38.9	36.9
-26.25°	47.3	47.3	47.3	46.8	46.2	45.1	43.2	41.4	39.9	38.4	36.2
-27.5°	47.3	47.3	47.2	46.6	46.0	44.4	42.6	40.9	39.4	37.9	35.5
-28.75°	47.3	47.3	46.9	46.3	45.5	43.7	41.9	40.4	38.9	37.1	34.7
-30°	47.3	47.2	46.6	46.1	44.7	43.0	41.3	39.9	38.4	36.3	34.0
-31.25°	47.3	46.9	46.4	45.6	43.9	42.2	40.7	39.3	37.8	35.5	33.2
-32.5°	47.2	46.6	46.1	44.8	43.1	41.5	40.1	38.7	36.9	34.6	32.4
-33.75°	46.8	46.3	45.6	43.9	42.3	40.8	39.5	38.1	35.9	33.7	31.5
-35°	46.5	46.0	44.6	43.1	41.5	40.2	38.8	37.1	35.0	32.8	30.6
-36.25°	46.2	45.3	43.7	42.1	40.8	39.5	38.2	36.1	34.0	31.9	29.7
-37.5°	45.7	44.2	42.7	41.3	40.0	38.8	37.1	35.1	33.0	30.9	28.8
-38.75°	44.7	43.2	41.7	40.5	39.3	38.0	36.0	34.0	32.0	29.9	27.8
-40°	43.6	42.2	40.9	39.7	38.5	36.8	34.9	32.9	30.9	28.9	26.8
-41.25°	42.5	41.2	40.1	38.9	37.5	35.6	33.7	31.8	29.8	27.8	26.0
-42.5°	41.4	40.3	39.2	38.1	36.2	34.4	32.5	30.6	28.7	26.8	25.1
-43.75°	40.5	39.4	38.3	36.7	34.9	33.1	31.3	29.4	27.6	25.8	24.2
-45°	39.6	38.5	37.1	35.3	33.6	31.9	30.1	28.2	26.5	24.9	23.3
-46.25°	38.6	37.3	35.6	34.0	32.3	30.5	28.8	27.0	25.4	23.9	22.3
-47.5°	37.3	35.8	34.2	32.5	30.9	29.2	27.5	25.9	24.4	22.9	21.5
-48.75°	35.8	34.2	32.7	31.1	29.5	27.8	26.3	24.8	23.4	21.9	20.6
-50°	34.2	32.7	31.1	29.6	28.0	26.5	25.1	23.7	22.3	21.0	19.7
-51.25°	32.5	31.1	29.6	28.1	26.6	25.3	23.9	22.6	21.3	20.1	18.9
-52.5°	30.9	29.5	28.0	26.6	25.3	24.1	22.8	21.5	20.3	19.2	18.0
-53.75°	29.2	27.8	26.5	25.3	24.1	22.8	21.6	20.5	19.4	18.2	17.3
-55°	27.5	26.3	25.1	23.9	22.8	21.6	20.5	19.5	18.4	17.4	16.7
-56.25°	25.9	24.8	23.7	22.6	21.5	20.5	19.5	18.4	17.5	16.8	16.1
-57.5°	24.4	23.4	22.3	21.3	20.3	19.4	18.4	17.5	16.8	16.1	15.5
-58.75°	22.9	21.9	21.0	20.1	19.2	18.2	17.4	16.8	16.1	15.5	14.8
-60°	21.5	20.6	19.7	18.9	18.0	17.3	16.7	16.1	15.5	14.8	14.5
-61.25°	20.1	19.3	18.5	17.6	17.1	16.5	15.9	15.4	14.8	14.5	14.2
-62.5°	18.8	18.0	17.3	16.8	16.3	15.7	15.2	14.7	14.4	14.2	13.9
-63.75°	17.5	17.0	16.5	16.0	15.5	15.0	14.6	14.4	14.1	13.8	13.6
-65°	16.6	16.1	15.7	15.2	14.7	14.5	14.3	14.0	13.7	13.5	13.1
-66.25°	15.7	15.2	14.8	14.6	14.3	14.1	13.9	13.6	13.4	13.0	12.7
-67.5°	14.8	14.6	14.4	14.2	13.9	13.7	13.5	13.2	12.9	12.5	12.2
-68.75°	14.3	14.1	13.9	13.7	13.5	13.3	13.0	12.7	12.3	12.0	11.7
-70°	13.9	13.7	13.5	13.3	13.0	12.7	12.4	12.1	11.8	11.5	11.1
-71.25°	13.4	13.2	12.9	12.6	12.4	12.1	11.8	11.5	11.2	10.9	10.5
-72.5°	12.7	12.5	12.3	12.0	11.8	11.5	11.2	10.9	10.5	10.2	9.8
-73.75°	12.1	11.8	11.6	11.4	11.1	10.8	10.4	10.1	9.8	9.4	9.1
-75°	11.4	11.1	10.8	10.5	10.3	10.0	9.7	9.4	9.1	8.7	8.4
-76.25°	10.4	10.2	9.9	9.7	9.4	9.1	8.9	8.6	8.3	8.0	7.7
-77.5°	9.5	9.3	9.1	8.8	8.6	8.3	8.1	7.8	7.5	7.3	7.0



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	8.6	8.4	8.2	7.9	7.7	7.5	7.3	7.0	6.8	6.5	6.3
-80°	7.6	7.4	7.2	7.0	6.8	6.6	6.4	6.2	6.0	5.8	5.6
-81.25°	6.6	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.2	4.9	4.7
-82.5°	5.7	5.5	5.3	5.2	5.0	4.8	4.6	4.4	4.2	4.0	3.8
-83.75°	4.5	4.4	4.2	4.1	3.9	3.8	3.6	3.5	3.3	3.1	3.0
-85°	3.3	3.2	3.1	3.0	2.9	2.7	2.6	2.5	2.4	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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	2.8	2.6	2.5	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
82.5°	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.9	1.8
81.25°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
80°	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1	2.8	2.5
78.75°	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.6	3.3	3.0
77.5°	6.7	6.5	6.2	5.9	5.6	5.3	4.9	4.5	4.2	3.8	3.5
76.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.3	3.9
75°	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.7	5.3	4.8	4.4
73.75°	8.8	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.8	5.4	4.9
72.5°	9.4	9.0	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.4
71.25°	10.1	9.7	9.3	8.8	8.4	8.0	7.6	7.1	6.7	6.2	5.8
70°	10.7	10.3	9.8	9.4	9.0	8.5	8.1	7.6	7.1	6.6	6.2
68.75°	11.3	10.9	10.4	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.6
67.5°	11.8	11.4	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	6.9
66.25°	12.3	11.9	11.5	11.1	10.6	10.0	9.5	9.0	8.4	7.9	7.3
65°	12.8	12.4	11.9	11.5	11.1	10.5	10.0	9.4	8.8	8.3	7.7
63.75°	13.2	12.8	12.4	11.9	11.5	11.0	10.4	9.8	9.3	8.7	8.0
62.5°	13.6	13.2	12.8	12.4	11.9	11.4	10.9	10.3	9.7	9.0	8.4
61.25°	13.9	13.6	13.2	12.8	12.3	11.8	11.3	10.7	10.1	9.4	8.8
60°	14.2	13.9	13.6	13.1	12.7	12.2	11.7	11.1	10.5	9.8	9.1
58.75°	14.5	14.2	13.8	13.5	13.0	12.5	12.0	11.5	10.9	10.2	9.4
57.5°	14.8	14.4	14.1	13.7	13.4	12.9	12.3	11.8	11.2	10.5	9.8
56.25°	15.4	14.7	14.4	14.0	13.6	13.2	12.7	12.1	11.5	10.9	10.1
55°	15.9	15.2	14.6	14.3	13.9	13.5	13.0	12.4	11.8	11.2	10.4
53.75°	16.5	15.7	15.0	14.5	14.1	13.7	13.3	12.7	12.1	11.5	10.8
52.5°	17.1	16.3	15.5	14.7	14.3	13.9	13.5	13.0	12.4	11.8	11.1
51.25°	17.6	16.8	16.0	15.2	14.6	14.2	13.7	13.3	12.6	12.0	11.4
50°	18.5	17.3	16.5	15.7	14.8	14.4	13.9	13.5	12.9	12.3	11.6
48.75°	19.3	18.0	17.0	16.1	15.2	14.6	14.1	13.7	13.2	12.5	11.8
47.5°	20.1	18.8	17.5	16.6	15.7	14.8	14.3	13.9	13.4	12.7	12.1
46.25°	20.9	19.5	18.1	17.0	16.1	15.2	14.5	14.1	13.6	13.0	12.3
45°	21.7	20.3	18.8	17.5	16.5	15.6	14.7	14.2	13.8	13.2	12.5
43.75°	22.5	21.0	19.5	18.1	16.9	16.0	15.0	14.4	13.9	13.4	12.7
42.5°	23.4	21.7	20.2	18.7	17.3	16.4	15.4	14.6	14.1	13.6	12.9
41.25°	24.3	22.5	20.9	19.4	17.8	16.7	15.7	14.7	14.2	13.7	13.1
40°	25.1	23.3	21.6	20.0	18.4	17.1	16.1	15.0	14.4	13.9	13.3
38.75°	25.9	24.1	22.2	20.6	19.0	17.4	16.4	15.3	14.5	14.0	13.5
37.5°	26.7	24.8	23.0	21.2	19.6	17.9	16.7	15.6	14.7	14.1	13.6
36.25°	27.5	25.5	23.7	21.8	20.1	18.4	17.0	15.9	14.8	14.3	13.7
35°	28.4	26.3	24.3	22.4	20.6	18.9	17.3	16.2	15.1	14.4	13.8



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	29.2	27.0	25.0	23.0	21.2	19.4	17.7	16.5	15.4	14.5	13.9
32.5°	30.1	27.8	25.6	23.6	21.7	19.9	18.1	16.8	15.6	14.6	14.0
31.25°	30.9	28.5	26.2	24.2	22.2	20.3	18.5	17.0	15.9	14.7	14.2
30°	31.6	29.2	26.8	24.8	22.7	20.8	19.0	17.3	16.1	14.9	14.3
28.75°	32.4	29.9	27.5	25.3	23.2	21.2	19.4	17.5	16.3	15.1	14.4
27.5°	33.1	30.6	28.2	25.9	23.7	21.6	19.8	17.9	16.6	15.3	14.4
26.25°	33.7	31.3	28.8	26.4	24.2	22.0	20.1	18.2	16.8	15.5	14.5
25°	34.4	31.9	29.4	26.8	24.7	22.5	20.5	18.6	17.0	15.7	14.6
23.75°	35.0	32.5	29.9	27.4	25.1	22.9	20.8	18.9	17.2	15.9	14.7
22.5°	35.6	33.1	30.5	27.9	25.5	23.3	21.1	19.2	17.3	16.1	14.8
21.25°	36.2	33.6	31.0	28.4	25.9	23.7	21.5	19.5	17.5	16.2	14.9
20°	36.7	34.1	31.5	28.8	26.3	24.0	21.7	19.7	17.7	16.4	15.1
18.75°	37.2	34.6	32.0	29.3	26.6	24.3	22.0	20.0	18.0	16.5	15.2
17.5°	37.7	35.0	32.4	29.7	27.0	24.7	22.3	20.2	18.2	16.7	15.3
16.25°	38.1	35.4	32.8	30.1	27.4	24.9	22.6	20.5	18.4	16.8	15.5
15°	38.4	35.8	33.2	30.4	27.7	25.2	22.9	20.7	18.6	16.9	15.6
13.75°	38.6	36.2	33.5	30.8	28.0	25.5	23.1	20.9	18.8	17.0	15.7
12.5°	38.8	36.5	33.8	31.1	28.3	25.7	23.3	21.1	19.0	17.1	15.8
11.25°	39.0	36.8	34.1	31.3	28.5	25.9	23.5	21.2	19.1	17.2	15.8
10°	39.2	37.1	34.3	31.6	28.8	26.1	23.7	21.4	19.2	17.3	15.9
8.75°	39.3	37.3	34.6	31.8	29.0	26.3	23.8	21.5	19.4	17.4	16.0
7.5°	39.5	37.5	34.8	32.0	29.2	26.4	24.0	21.6	19.5	17.4	16.0
6.25°	39.6	37.7	34.9	32.1	29.3	26.5	24.1	21.7	19.6	17.5	16.1
5°	39.7	37.8	35.1	32.3	29.4	26.6	24.2	21.8	19.6	17.5	16.1
3.75°	39.8	38.0	35.2	32.4	29.5	26.7	24.3	21.8	19.7	17.6	16.2
2.5°	39.8	38.0	35.2	32.4	29.6	26.8	24.3	21.9	19.7	17.6	16.2
1.25°	39.8	38.1	35.3	32.5	29.6	26.8	24.3	21.9	19.7	17.6	16.2
0°	39.9	38.1	35.3	32.5	29.7	26.8	24.4	21.9	19.8	17.6	16.2
-1.25°	39.8	38.1	35.3	32.5	29.6	26.8	24.3	21.9	19.7	17.6	16.2
-2.5°	39.8	38.0	35.2	32.4	29.6	26.8	24.3	21.9	19.7	17.6	16.2
-3.75°	39.8	38.0	35.2	32.4	29.5	26.7	24.3	21.8	19.7	17.6	16.2
-5°	39.7	37.8	35.1	32.3	29.4	26.6	24.2	21.8	19.6	17.5	16.1
-6.25°	39.6	37.7	34.9	32.1	29.3	26.5	24.1	21.7	19.6	17.5	16.1
-7.5°	39.5	37.5	34.8	32.0	29.2	26.4	24.0	21.6	19.5	17.4	16.0
-8.75°	39.3	37.3	34.6	31.8	29.0	26.3	23.8	21.5	19.4	17.4	16.0
-10°	39.2	37.1	34.3	31.6	28.8	26.1	23.7	21.4	19.2	17.3	15.9
-11.25°	39.0	36.8	34.1	31.3	28.5	25.9	23.5	21.2	19.1	17.2	15.8
-12.5°	38.8	36.5	33.8	31.1	28.3	25.7	23.3	21.1	19.0	17.1	15.8
-13.75°	38.6	36.2	33.5	30.8	28.0	25.5	23.1	20.9	18.8	17.0	15.7
-15°	38.4	35.8	33.2	30.4	27.7	25.2	22.9	20.7	18.6	16.9	15.6
-16.25°	38.1	35.4	32.8	30.1	27.4	24.9	22.6	20.5	18.4	16.8	15.5
-17.5°	37.7	35.0	32.4	29.7	27.0	24.7	22.3	20.2	18.2	16.7	15.3
-18.75°	37.2	34.6	32.0	29.3	26.6	24.3	22.0	20.0	18.0	16.5	15.2
-20°	36.7	34.1	31.5	28.8	26.3	24.0	21.7	19.7	17.7	16.4	15.1
-21.25°	36.2	33.6	31.0	28.4	25.9	23.7	21.5	19.5	17.5	16.2	14.9



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	35.6	33.1	30.5	27.9	25.5	23.3	21.1	19.2	17.3	16.1	14.8
-23.75°	35.0	32.5	29.9	27.4	25.1	22.9	20.8	18.9	17.2	15.9	14.7
-25°	34.4	31.9	29.4	26.8	24.7	22.5	20.5	18.6	17.0	15.7	14.6
-26.25°	33.7	31.3	28.8	26.4	24.2	22.0	20.1	18.2	16.8	15.5	14.5
-27.5°	33.1	30.6	28.2	25.9	23.7	21.6	19.8	17.9	16.6	15.3	14.4
-28.75°	32.4	29.9	27.5	25.3	23.2	21.2	19.4	17.5	16.3	15.1	14.4
-30°	31.6	29.2	26.8	24.8	22.7	20.8	19.0	17.3	16.1	14.9	14.3
-31.25°	30.9	28.5	26.2	24.2	22.2	20.3	18.5	17.0	15.9	14.7	14.2
-32.5°	30.1	27.8	25.6	23.6	21.7	19.9	18.1	16.8	15.6	14.6	14.0
-33.75°	29.2	27.0	25.0	23.0	21.2	19.4	17.7	16.5	15.4	14.5	13.9
-35°	28.4	26.3	24.3	22.4	20.6	18.9	17.3	16.2	15.1	14.4	13.8
-36.25°	27.5	25.5	23.7	21.8	20.1	18.4	17.0	15.9	14.8	14.3	13.7
-37.5°	26.7	24.8	23.0	21.2	19.6	17.9	16.7	15.6	14.7	14.1	13.6
-38.75°	25.9	24.1	22.2	20.6	19.0	17.4	16.4	15.3	14.5	14.0	13.5
-40°	25.1	23.3	21.6	20.0	18.4	17.1	16.1	15.0	14.4	13.9	13.3
-41.25°	24.3	22.5	20.9	19.4	17.8	16.7	15.7	14.7	14.2	13.7	13.1
-42.5°	23.4	21.7	20.2	18.7	17.3	16.4	15.4	14.6	14.1	13.6	12.9
-43.75°	22.5	21.0	19.5	18.1	16.9	16.0	15.0	14.4	13.9	13.4	12.7
-45°	21.7	20.3	18.8	17.5	16.5	15.6	14.7	14.2	13.8	13.2	12.5
-46.25°	20.9	19.5	18.1	17.0	16.1	15.2	14.5	14.1	13.6	13.0	12.3
-47.5°	20.1	18.8	17.5	16.6	15.7	14.8	14.3	13.9	13.4	12.7	12.1
-48.75°	19.3	18.0	17.0	16.1	15.2	14.6	14.1	13.7	13.2	12.5	11.8
-50°	18.5	17.3	16.5	15.7	14.8	14.4	13.9	13.5	12.9	12.3	11.6
-51.25°	17.6	16.8	16.0	15.2	14.6	14.2	13.7	13.3	12.6	12.0	11.4
-52.5°	17.1	16.3	15.5	14.7	14.3	13.9	13.5	13.0	12.4	11.8	11.1
-53.75°	16.5	15.7	15.0	14.5	14.1	13.7	13.3	12.7	12.1	11.5	10.8
-55°	15.9	15.2	14.6	14.3	13.9	13.5	13.0	12.4	11.8	11.2	10.4
-56.25°	15.4	14.7	14.4	14.0	13.6	13.2	12.7	12.1	11.5	10.9	10.1
-57.5°	14.8	14.4	14.1	13.7	13.4	12.9	12.3	11.8	11.2	10.5	9.8
-58.75°	14.5	14.2	13.8	13.5	13.0	12.5	12.0	11.5	10.9	10.2	9.4
-60°	14.2	13.9	13.6	13.1	12.7	12.2	11.7	11.1	10.5	9.8	9.1
-61.25°	13.9	13.6	13.2	12.8	12.3	11.8	11.3	10.7	10.1	9.4	8.8
-62.5°	13.6	13.2	12.8	12.4	11.9	11.4	10.9	10.3	9.7	9.0	8.4
-63.75°	13.2	12.8	12.4	11.9	11.5	11.0	10.4	9.8	9.3	8.7	8.0
-65°	12.8	12.4	11.9	11.5	11.1	10.5	10.0	9.4	8.8	8.3	7.7
-66.25°	12.3	11.9	11.5	11.1	10.6	10.0	9.5	9.0	8.4	7.9	7.3
-67.5°	11.8	11.4	11.0	10.5	10.0	9.5	9.0	8.5	8.0	7.5	6.9
-68.75°	11.3	10.9	10.4	10.0	9.5	9.0	8.6	8.1	7.6	7.1	6.6
-70°	10.7	10.3	9.8	9.4	9.0	8.5	8.1	7.6	7.1	6.6	6.2
-71.25°	10.1	9.7	9.3	8.8	8.4	8.0	7.6	7.1	6.7	6.2	5.8
-72.5°	9.4	9.0	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.4
-73.75°	8.8	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.8	5.4	4.9
-75°	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.7	5.3	4.8	4.4
-76.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.1	4.7	4.3	3.9
-77.5°	6.7	6.5	6.2	5.9	5.6	5.3	4.9	4.5	4.2	3.8	3.5



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.6	3.3	3.0
-80°	5.3	5.0	4.8	4.5	4.2	3.9	3.7	3.4	3.1	2.8	2.5
-81.25°	4.5	4.2	4.0	3.8	3.5	3.3	3.0	2.8	2.5	2.3	2.0
-82.5°	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.9	1.8
-83.75°	2.8	2.6	2.5	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: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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°	2.7	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
77.5°	3.1	2.7	2.4	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
76.25°	3.5	3.1	2.7	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
75°	4.0	3.5	3.1	2.7	2.2	1.9	1.6	1.4	1.1	0.8	0.5
73.75°	4.4	3.9	3.5	3.0	2.5	2.0	1.8	1.5	1.2	0.9	0.6
72.5°	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.6	1.3	0.9	0.6
71.25°	5.3	4.7	4.2	3.6	3.1	2.5	2.0	1.7	1.3	1.0	0.7
70°	5.7	5.1	4.5	4.0	3.4	2.8	2.2	1.8	1.4	1.1	0.7
68.75°	6.0	5.5	4.9	4.3	3.7	3.0	2.4	1.9	1.5	1.1	0.8
67.5°	6.4	5.9	5.3	4.6	3.9	3.3	2.6	2.0	1.6	1.2	0.8
66.25°	6.7	6.2	5.6	4.9	4.2	3.5	2.8	2.1	1.7	1.3	0.8
65°	7.1	6.5	5.9	5.2	4.5	3.8	3.0	2.3	1.8	1.3	0.9
63.75°	7.4	6.8	6.2	5.5	4.8	4.0	3.2	2.5	1.9	1.4	0.9
62.5°	7.8	7.1	6.5	5.8	5.0	4.2	3.4	2.6	1.9	1.5	1.0
61.25°	8.1	7.4	6.7	6.0	5.3	4.5	3.6	2.8	2.0	1.5	1.0
60°	8.4	7.7	7.0	6.3	5.6	4.7	3.8	3.0	2.1	1.6	1.0
58.75°	8.7	8.0	7.3	6.5	5.8	4.9	4.0	3.1	2.2	1.6	1.1
57.5°	9.1	8.3	7.5	6.8	6.0	5.2	4.2	3.3	2.4	1.7	1.1
56.25°	9.4	8.6	7.8	7.0	6.2	5.4	4.4	3.5	2.5	1.7	1.2
55°	9.7	8.9	8.1	7.3	6.4	5.6	4.6	3.6	2.6	1.8	1.2
53.75°	10.0	9.1	8.3	7.5	6.6	5.8	4.8	3.8	2.7	1.9	1.2
52.5°	10.3	9.4	8.6	7.7	6.8	6.0	5.0	3.9	2.9	1.9	1.3
51.25°	10.5	9.7	8.8	7.9	7.0	6.1	5.2	4.1	3.0	2.0	1.3
50°	10.8	9.9	9.1	8.2	7.2	6.3	5.3	4.2	3.1	2.0	1.3
48.75°	11.1	10.2	9.3	8.4	7.4	6.5	5.5	4.4	3.2	2.1	1.4
47.5°	11.4	10.4	9.5	8.6	7.6	6.6	5.7	4.5	3.3	2.1	1.4
46.25°	11.6	10.7	9.7	8.8	7.8	6.8	5.8	4.6	3.4	2.2	1.5
45°	11.8	10.9	10.0	9.0	8.0	7.0	5.9	4.8	3.5	2.3	1.5
43.75°	12.0	11.2	10.2	9.2	8.2	7.1	6.1	4.9	3.7	2.4	1.5
42.5°	12.1	11.4	10.4	9.4	8.3	7.3	6.2	5.0	3.8	2.5	1.5
41.25°	12.3	11.5	10.6	9.5	8.5	7.4	6.3	5.2	3.9	2.5	1.6
40°	12.5	11.7	10.8	9.7	8.7	7.6	6.5	5.3	4.0	2.6	1.6
38.75°	12.7	11.9	11.0	9.9	8.8	7.7	6.6	5.4	4.1	2.7	1.6
37.5°	12.9	12.0	11.2	10.1	9.0	7.8	6.7	5.5	4.2	2.8	1.7
36.25°	13.0	12.2	11.3	10.2	9.1	8.0	6.8	5.6	4.2	2.8	1.7
35°	13.2	12.3	11.5	10.4	9.3	8.1	6.9	5.7	4.3	2.9	1.7



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	13.3	12.5	11.6	10.6	9.4	8.2	7.0	5.8	4.4	3.0	1.7
32.5°	13.5	12.6	11.7	10.7	9.5	8.4	7.1	5.9	4.5	3.0	1.8
31.25°	13.6	12.7	11.9	10.9	9.7	8.5	7.2	6.0	4.6	3.1	1.8
30°	13.7	12.9	12.0	11.0	9.8	8.6	7.3	6.1	4.7	3.1	1.8
28.75°	13.7	13.0	12.1	11.1	9.9	8.7	7.4	6.2	4.7	3.2	1.8
27.5°	13.8	13.1	12.2	11.3	10.0	8.8	7.5	6.2	4.8	3.3	1.9
26.25°	13.9	13.2	12.3	11.4	10.1	8.9	7.6	6.3	4.9	3.3	1.9
25°	14.0	13.3	12.4	11.5	10.2	9.0	7.7	6.4	4.9	3.4	1.9
23.75°	14.1	13.4	12.5	11.5	10.3	9.1	7.8	6.4	5.0	3.4	1.9
22.5°	14.1	13.5	12.6	11.6	10.4	9.1	7.8	6.5	5.1	3.4	1.9
21.25°	14.2	13.6	12.7	11.7	10.5	9.2	7.9	6.6	5.1	3.5	2.0
20°	14.3	13.6	12.8	11.8	10.6	9.3	8.0	6.6	5.2	3.5	2.0
18.75°	14.3	13.7	12.8	11.8	10.7	9.4	8.0	6.7	5.2	3.6	2.0
17.5°	14.4	13.7	12.9	11.9	10.8	9.4	8.1	6.7	5.3	3.6	2.0
16.25°	14.5	13.8	13.0	12.0	10.8	9.5	8.2	6.8	5.3	3.6	2.0
15°	14.5	13.8	13.0	12.0	10.9	9.6	8.2	6.8	5.4	3.7	2.0
13.75°	14.6	13.9	13.1	12.1	11.0	9.6	8.2	6.8	5.4	3.7	2.0
12.5°	14.6	13.9	13.1	12.1	11.0	9.7	8.3	6.9	5.4	3.7	2.1
11.25°	14.6	13.9	13.2	12.2	11.1	9.7	8.3	6.9	5.5	3.7	2.1
10°	14.7	14.0	13.2	12.2	11.1	9.7	8.4	6.9	5.5	3.8	2.1
8.75°	14.7	14.0	13.3	12.2	11.2	9.8	8.4	7.0	5.5	3.8	2.1
7.5°	14.7	14.0	13.3	12.3	11.2	9.8	8.4	7.0	5.5	3.8	2.1
6.25°	14.7	14.1	13.3	12.3	11.2	9.8	8.4	7.0	5.6	3.8	2.1
5°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
3.75°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
2.5°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
1.25°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
0°	14.8	14.1	13.4	12.4	11.3	9.9	8.5	7.1	5.6	3.9	2.1
-1.25°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
-2.5°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
-3.75°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
-5°	14.8	14.1	13.4	12.3	11.3	9.9	8.5	7.0	5.6	3.8	2.1
-6.25°	14.7	14.1	13.3	12.3	11.2	9.8	8.4	7.0	5.6	3.8	2.1
-7.5°	14.7	14.0	13.3	12.3	11.2	9.8	8.4	7.0	5.5	3.8	2.1
-8.75°	14.7	14.0	13.3	12.2	11.2	9.8	8.4	7.0	5.5	3.8	2.1
-10°	14.7	14.0	13.2	12.2	11.1	9.7	8.4	6.9	5.5	3.8	2.1
-11.25°	14.6	13.9	13.2	12.2	11.1	9.7	8.3	6.9	5.5	3.7	2.1
-12.5°	14.6	13.9	13.1	12.1	11.0	9.7	8.3	6.9	5.4	3.7	2.1
-13.75°	14.6	13.9	13.1	12.1	11.0	9.6	8.2	6.8	5.4	3.7	2.0
-15°	14.5	13.8	13.0	12.0	10.9	9.6	8.2	6.8	5.4	3.7	2.0
-16.25°	14.5	13.8	13.0	12.0	10.8	9.5	8.2	6.8	5.3	3.6	2.0
-17.5°	14.4	13.7	12.9	11.9	10.8	9.4	8.1	6.7	5.3	3.6	2.0
-18.75°	14.3	13.7	12.8	11.8	10.7	9.4	8.0	6.7	5.2	3.6	2.0
-20°	14.3	13.6	12.8	11.8	10.6	9.3	8.0	6.6	5.2	3.5	2.0
-21.25°	14.2	13.6	12.7	11.7	10.5	9.2	7.9	6.6	5.1	3.5	2.0



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	14.1	13.5	12.6	11.6	10.4	9.1	7.8	6.5	5.1	3.4	1.9
-23.75°	14.1	13.4	12.5	11.5	10.3	9.1	7.8	6.4	5.0	3.4	1.9
-25°	14.0	13.3	12.4	11.5	10.2	9.0	7.7	6.4	4.9	3.4	1.9
-26.25°	13.9	13.2	12.3	11.4	10.1	8.9	7.6	6.3	4.9	3.3	1.9
-27.5°	13.8	13.1	12.2	11.3	10.0	8.8	7.5	6.2	4.8	3.3	1.9
-28.75°	13.7	13.0	12.1	11.1	9.9	8.7	7.4	6.2	4.7	3.2	1.8
-30°	13.7	12.9	12.0	11.0	9.8	8.6	7.3	6.1	4.7	3.1	1.8
-31.25°	13.6	12.7	11.9	10.9	9.7	8.5	7.2	6.0	4.6	3.1	1.8
-32.5°	13.5	12.6	11.7	10.7	9.5	8.4	7.1	5.9	4.5	3.0	1.8
-33.75°	13.3	12.5	11.6	10.6	9.4	8.2	7.0	5.8	4.4	3.0	1.7
-35°	13.2	12.3	11.5	10.4	9.3	8.1	6.9	5.7	4.3	2.9	1.7
-36.25°	13.0	12.2	11.3	10.2	9.1	8.0	6.8	5.6	4.2	2.8	1.7
-37.5°	12.9	12.0	11.2	10.1	9.0	7.8	6.7	5.5	4.2	2.8	1.7
-38.75°	12.7	11.9	11.0	9.9	8.8	7.7	6.6	5.4	4.1	2.7	1.6
-40°	12.5	11.7	10.8	9.7	8.7	7.6	6.5	5.3	4.0	2.6	1.6
-41.25°	12.3	11.5	10.6	9.5	8.5	7.4	6.3	5.2	3.9	2.5	1.6
-42.5°	12.1	11.4	10.4	9.4	8.3	7.3	6.2	5.0	3.8	2.5	1.5
-43.75°	12.0	11.2	10.2	9.2	8.2	7.1	6.1	4.9	3.7	2.4	1.5
-45°	11.8	10.9	10.0	9.0	8.0	7.0	5.9	4.8	3.5	2.3	1.5
-46.25°	11.6	10.7	9.7	8.8	7.8	6.8	5.8	4.6	3.4	2.2	1.5
-47.5°	11.4	10.4	9.5	8.6	7.6	6.6	5.7	4.5	3.3	2.1	1.4
-48.75°	11.1	10.2	9.3	8.4	7.4	6.5	5.5	4.4	3.2	2.1	1.4
-50°	10.8	9.9	9.1	8.2	7.2	6.3	5.3	4.2	3.1	2.0	1.3
-51.25°	10.5	9.7	8.8	7.9	7.0	6.1	5.2	4.1	3.0	2.0	1.3
-52.5°	10.3	9.4	8.6	7.7	6.8	6.0	5.0	3.9	2.9	1.9	1.3
-53.75°	10.0	9.1	8.3	7.5	6.6	5.8	4.8	3.8	2.7	1.9	1.2
-55°	9.7	8.9	8.1	7.3	6.4	5.6	4.6	3.6	2.6	1.8	1.2
-56.25°	9.4	8.6	7.8	7.0	6.2	5.4	4.4	3.5	2.5	1.7	1.2
-57.5°	9.1	8.3	7.5	6.8	6.0	5.2	4.2	3.3	2.4	1.7	1.1
-58.75°	8.7	8.0	7.3	6.5	5.8	4.9	4.0	3.1	2.2	1.6	1.1
-60°	8.4	7.7	7.0	6.3	5.6	4.7	3.8	3.0	2.1	1.6	1.0
-61.25°	8.1	7.4	6.7	6.0	5.3	4.5	3.6	2.8	2.0	1.5	1.0
-62.5°	7.8	7.1	6.5	5.8	5.0	4.2	3.4	2.6	1.9	1.5	1.0
-63.75°	7.4	6.8	6.2	5.5	4.8	4.0	3.2	2.5	1.9	1.4	0.9
-65°	7.1	6.5	5.9	5.2	4.5	3.8	3.0	2.3	1.8	1.3	0.9
-66.25°	6.7	6.2	5.6	4.9	4.2	3.5	2.8	2.1	1.7	1.3	0.8
-67.5°	6.4	5.9	5.3	4.6	3.9	3.3	2.6	2.0	1.6	1.2	0.8
-68.75°	6.0	5.5	4.9	4.3	3.7	3.0	2.4	1.9	1.5	1.1	0.8
-70°	5.7	5.1	4.5	4.0	3.4	2.8	2.2	1.8	1.4	1.1	0.7
-71.25°	5.3	4.7	4.2	3.6	3.1	2.5	2.0	1.7	1.3	1.0	0.7
-72.5°	4.8	4.3	3.8	3.3	2.8	2.3	1.9	1.6	1.3	0.9	0.6
-73.75°	4.4	3.9	3.5	3.0	2.5	2.0	1.8	1.5	1.2	0.9	0.6
-75°	4.0	3.5	3.1	2.7	2.2	1.9	1.6	1.4	1.1	0.8	0.5
-76.25°	3.5	3.1	2.7	2.3	2.0	1.7	1.5	1.2	1.0	0.7	0.5
-77.5°	3.1	2.7	2.4	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	2.7	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



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

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



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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



REPORT NUMBER: P220447 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-S-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)