

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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 3/3/2020

Test Information

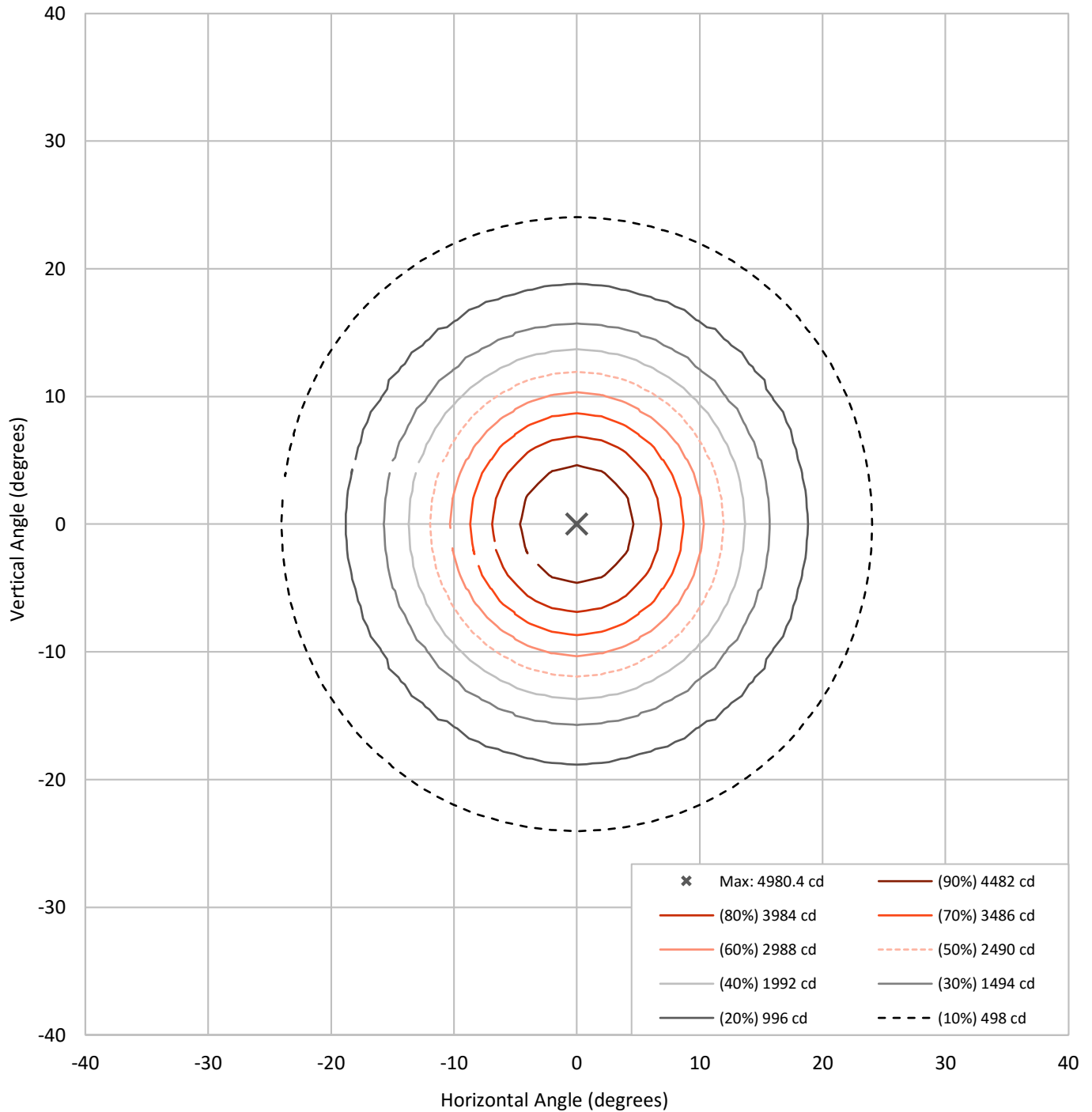
Test Method: LM-79-08
Report Number: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 3000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1219.7 lumens	Max Intensity:	4980.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	60.7 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	486.6 lumens	Field Lumens:	956.8 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
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





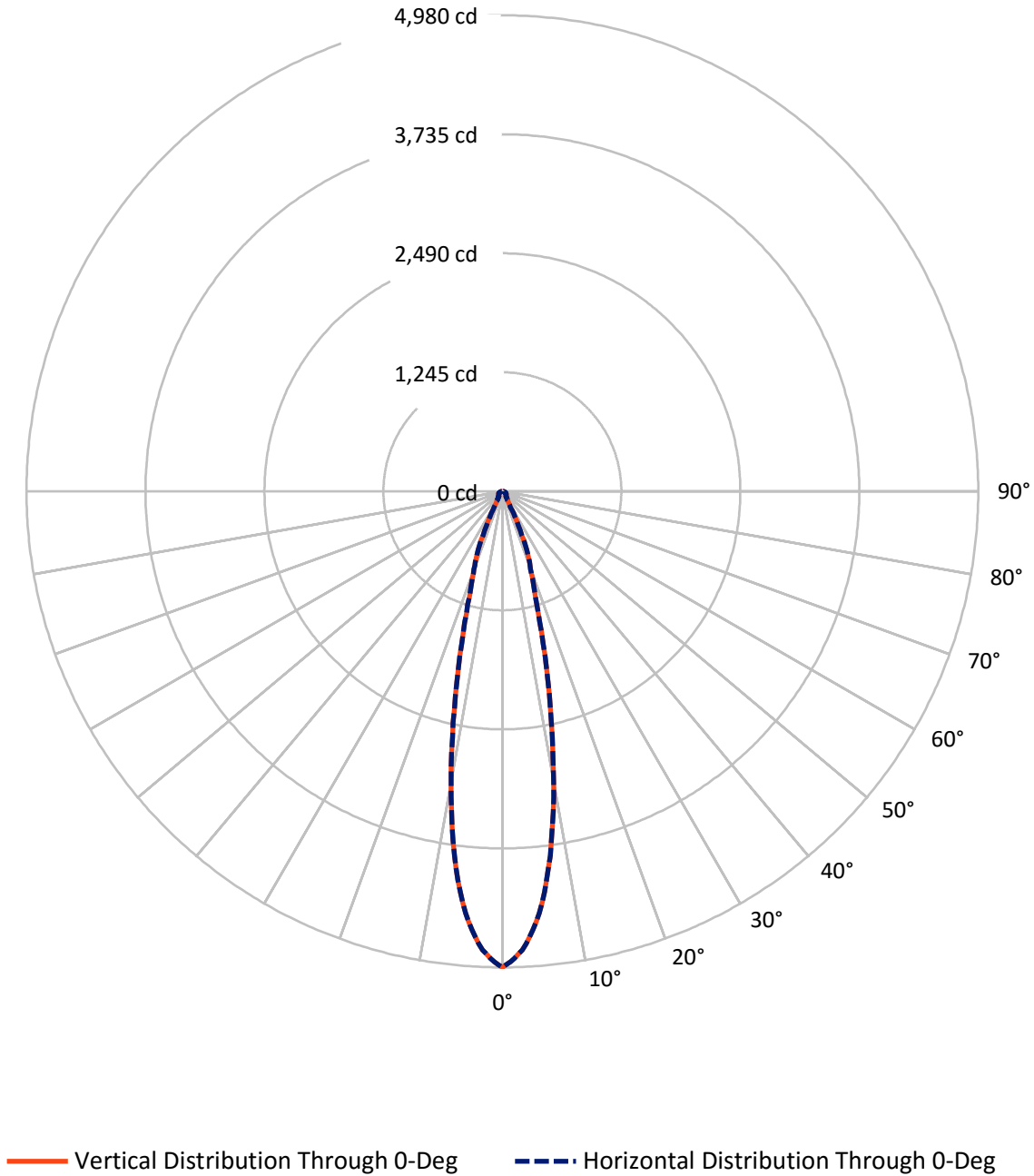
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Lumen Table

90	0.1	0.4	0.8	1.2	1.3	1.2	0.8	0.4	0.1									
80	0.1	0.4	0.8	1.2	1.3	1.2	0.8	0.4	0.1									
70	0.2	0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2	0.2		
60		0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2			
50	0.2	0.2	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.6	1.5	1.2	0.9	0.6	0.2	0.2		
40		0.3	0.7	1.1	1.3	1.6	1.9	2.2	2.2	1.9	1.6	1.3	1.1	0.7	0.3			
30	0.3	0.4	0.8	1.1	1.4	2.1	5.4	11.6	11.6	5.4	2.1	1.4	1.1	0.8	0.4	0.3		
20		0.4	0.8	1.2	1.6	5.1	22.9	46.6	46.6	22.9	5.1	1.6	1.2	0.8	0.4			
10	0.3	0.4	0.9	1.2	1.8	10.7	45.4	112.0	112.0	45.4	10.7	1.8	1.2	0.9	0.4	0.3		
0		0.4	0.9	1.2	1.8	10.7	45.4	112.0	112.0	45.4	10.7	1.8	1.2	0.9	0.4			
-10	0.3	0.4	0.8	1.2	1.6	5.1	22.9	46.6	46.6	22.9	5.1	1.6	1.2	0.8	0.4	0.3		
-20		0.4	0.8	1.1	1.4	2.1	5.4	11.6	11.6	5.4	2.1	1.4	1.1	0.8	0.4			
-30	0.2	0.3	0.7	1.1	1.3	1.6	1.9	2.2	2.2	1.9	1.6	1.3	1.1	0.7	0.3	0.2		
-40		0.2	0.6	0.9	1.2	1.5	1.6	1.7	1.7	1.6	1.5	1.2	0.9	0.6	0.2			
-50	0.2	0.2	0.4	0.7	1.0	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.4	0.2	0.2		
-60		0.2	0.3	0.4	0.6	0.8	0.9	1.0	1.0	0.9	0.8	0.6	0.4	0.3	0.2			
-70	0.1	0.4	0.8	1.2	1.3	1.2	0.8	0.4	0.1							0.1		
-80		0.4	0.8	1.2	1.3	1.2	0.8	0.4	0.1									
-90	0.1	0.4	0.8	1.2	1.3	1.2	0.8	0.4	0.1									

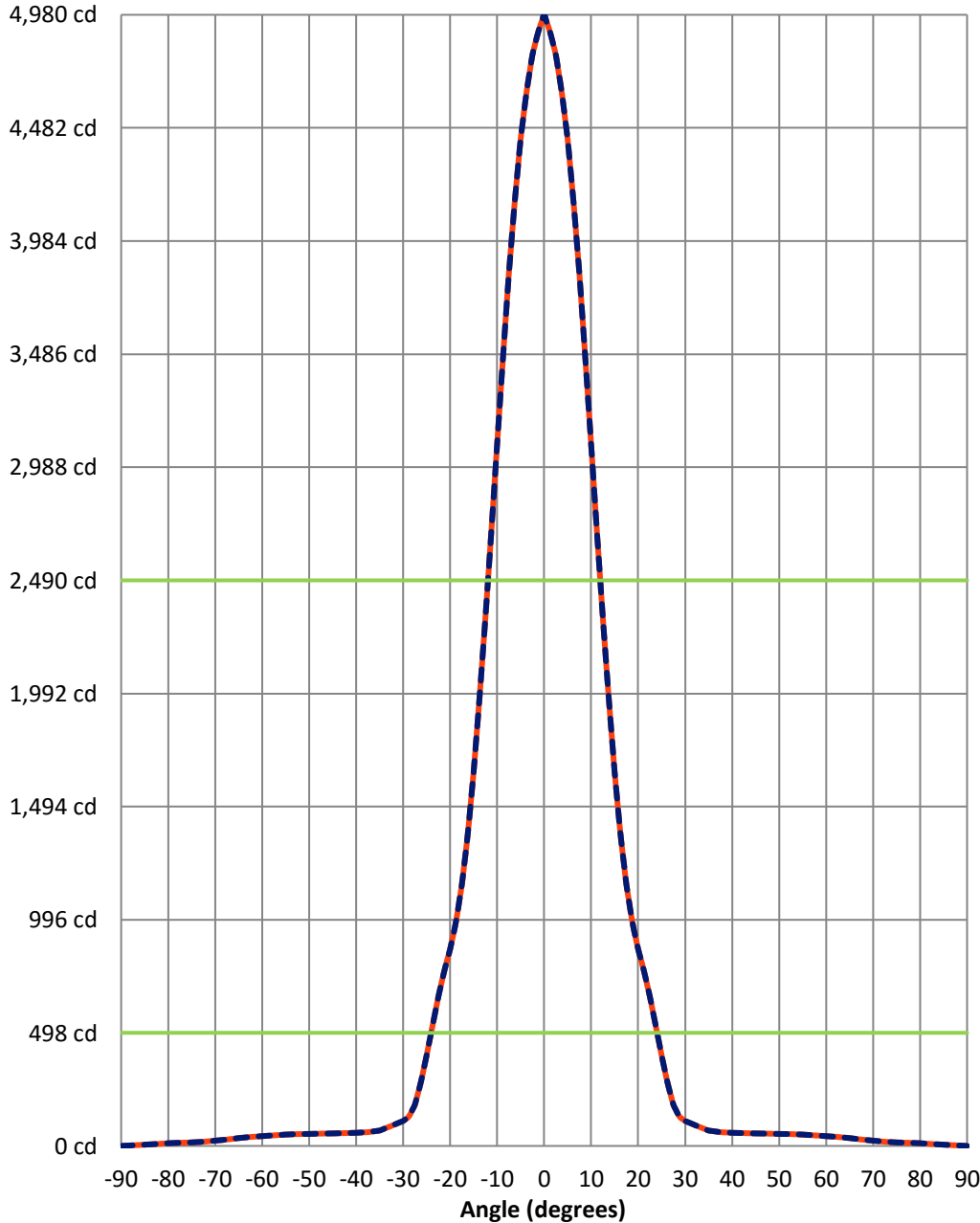
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.9°
 V Angle: 23.9°
 Lumens: 486.6
 Efficiency: 39.9%

Field:
 H Angle: 48.1°
 V Angle: 48.1°
 Lumens: 956.8
 Efficiency: 78.4%

Spill:
 Lumens: 262.9
 Efficiency: 21.6%

— 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	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
85°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
83.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
82.5°	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	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
80°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
78.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
77.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
76.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	3.0	3.3
75°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
73.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9
72.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2
71.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.5
70°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.3	4.8
68.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
67.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.3	4.8	5.3
66.25°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.0	5.6
65°	0.0	0.6	1.2	1.8	2.4	3.0	3.5	4.1	4.7	5.3	5.9
63.75°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.2
62.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.8	6.5
61.25°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4	6.0	6.7
60°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0
58.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.1	5.8	6.5	7.3
57.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5
56.25°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.2	7.0	7.8
55°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.3	8.1
53.75°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.5	8.3
52.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.7	8.6
51.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	7.0	7.9	8.9
50°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.2	9.2
48.75°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.5	7.4	8.4	9.5
47.5°	0.0	0.9	1.9	2.8	3.8	4.7	5.7	6.6	7.6	8.6	9.8
46.25°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.8	7.8	8.9	10.1
45°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	7.0	8.0	9.1	10.3
43.75°	0.0	1.0	2.0	3.0	4.0	5.1	6.1	7.1	8.2	9.3	10.6
42.5°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.3	8.3	9.6	10.9
41.25°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.5	9.8	11.1
40°	0.0	1.1	2.1	3.2	4.3	5.4	6.5	7.6	8.7	10.0	11.4
38.75°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.9	10.3	11.6
37.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.7	7.8	9.1	10.5	11.8
36.25°	0.0	1.1	2.3	3.4	4.5	5.6	6.8	8.0	9.3	10.7	12.0
35°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.1	9.4	10.9	12.2



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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	1.2	2.3	3.5	4.7	5.8	7.0	8.2	9.6	11.1	12.3
32.5°	0.0	1.2	2.4	3.5	4.7	5.9	7.1	8.4	9.8	11.3	12.4
31.25°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.5	10.0	11.4	12.6
30°	0.0	1.2	2.4	3.6	4.8	6.1	7.3	8.6	10.1	11.6	12.7
28.75°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.7	10.3	11.8	12.8
27.5°	0.0	1.2	2.5	3.7	5.0	6.2	7.5	8.9	10.4	12.0	12.9
26.25°	0.0	1.3	2.5	3.8	5.0	6.3	7.6	9.0	10.5	12.1	13.0
25°	0.0	1.3	2.5	3.8	5.1	6.4	7.7	9.1	10.7	12.2	13.1
23.75°	0.0	1.3	2.6	3.8	5.1	6.4	7.8	9.2	10.8	12.2	13.2
22.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.3	10.9	12.3	13.3
21.25°	0.0	1.3	2.6	3.9	5.2	6.6	7.9	9.4	11.0	12.4	13.4
20°	0.0	1.3	2.6	3.9	5.3	6.6	8.0	9.5	11.1	12.5	13.5
18.75°	0.0	1.3	2.7	4.0	5.3	6.7	8.0	9.6	11.2	12.5	13.5
17.5°	0.0	1.3	2.7	4.0	5.3	6.7	8.1	9.7	11.3	12.6	13.6
16.25°	0.0	1.3	2.7	4.0	5.4	6.8	8.2	9.8	11.4	12.7	13.7
15°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.8	11.5	12.7	13.7
13.75°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.9	11.6	12.8	13.8
12.5°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	10.0	11.7	12.8	13.8
11.25°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	10.0	11.7	12.9	13.9
10°	0.0	1.4	2.8	4.1	5.5	6.9	8.4	10.1	11.8	12.9	13.9
8.75°	0.0	1.4	2.8	4.2	5.5	7.0	8.4	10.1	11.8	12.9	14.0
7.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.1	11.9	13.0	14.0
6.25°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.2	11.9	13.0	14.0
5°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	11.9	13.0	14.1
3.75°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
2.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
1.25°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
0°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
-1.25°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
-2.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
-3.75°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	12.0	13.0	14.1
-5°	0.0	1.4	2.8	4.2	5.6	7.0	8.5	10.2	11.9	13.0	14.1
-6.25°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.2	11.9	13.0	14.0
-7.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.1	11.9	13.0	14.0
-8.75°	0.0	1.4	2.8	4.2	5.5	7.0	8.4	10.1	11.8	12.9	14.0
-10°	0.0	1.4	2.8	4.1	5.5	6.9	8.4	10.1	11.8	12.9	13.9
-11.25°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	10.0	11.7	12.9	13.9
-12.5°	0.0	1.4	2.7	4.1	5.5	6.9	8.3	10.0	11.7	12.8	13.8
-13.75°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.9	11.6	12.8	13.8
-15°	0.0	1.4	2.7	4.1	5.4	6.8	8.2	9.8	11.5	12.7	13.7
-16.25°	0.0	1.3	2.7	4.0	5.4	6.8	8.2	9.8	11.4	12.7	13.7
-17.5°	0.0	1.3	2.7	4.0	5.3	6.7	8.1	9.7	11.3	12.6	13.6
-18.75°	0.0	1.3	2.7	4.0	5.3	6.7	8.0	9.6	11.2	12.5	13.5
-20°	0.0	1.3	2.6	3.9	5.3	6.6	8.0	9.5	11.1	12.5	13.5
-21.25°	0.0	1.3	2.6	3.9	5.2	6.6	7.9	9.4	11.0	12.4	13.4



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.3	10.9	12.3	13.3
-23.75°	0.0	1.3	2.6	3.8	5.1	6.4	7.8	9.2	10.8	12.2	13.2
-25°	0.0	1.3	2.5	3.8	5.1	6.4	7.7	9.1	10.7	12.2	13.1
-26.25°	0.0	1.3	2.5	3.8	5.0	6.3	7.6	9.0	10.5	12.1	13.0
-27.5°	0.0	1.2	2.5	3.7	5.0	6.2	7.5	8.9	10.4	12.0	12.9
-28.75°	0.0	1.2	2.5	3.7	4.9	6.2	7.4	8.7	10.3	11.8	12.8
-30°	0.0	1.2	2.4	3.6	4.8	6.1	7.3	8.6	10.1	11.6	12.7
-31.25°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.5	10.0	11.4	12.6
-32.5°	0.0	1.2	2.4	3.5	4.7	5.9	7.1	8.4	9.8	11.3	12.4
-33.75°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.2	9.6	11.1	12.3
-35°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.1	9.4	10.9	12.2
-36.25°	0.0	1.1	2.3	3.4	4.5	5.6	6.8	8.0	9.3	10.7	12.0
-37.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.7	7.8	9.1	10.5	11.8
-38.75°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.9	10.3	11.6
-40°	0.0	1.1	2.1	3.2	4.3	5.4	6.5	7.6	8.7	10.0	11.4
-41.25°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.5	9.8	11.1
-42.5°	0.0	1.0	2.1	3.1	4.1	5.2	6.2	7.3	8.3	9.6	10.9
-43.75°	0.0	1.0	2.0	3.0	4.0	5.1	6.1	7.1	8.2	9.3	10.6
-45°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	7.0	8.0	9.1	10.3
-46.25°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.8	7.8	8.9	10.1
-47.5°	0.0	0.9	1.9	2.8	3.8	4.7	5.7	6.6	7.6	8.6	9.8
-48.75°	0.0	0.9	1.8	2.8	3.7	4.6	5.5	6.5	7.4	8.4	9.5
-50°	0.0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.2	9.2
-51.25°	0.0	0.9	1.8	2.6	3.5	4.4	5.2	6.1	7.0	7.9	8.9
-52.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.7	8.6
-53.75°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.6	7.5	8.3
-55°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.3	8.1
-56.25°	0.0	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.2	7.0	7.8
-57.5°	0.0	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5
-58.75°	0.0	0.7	1.5	2.2	2.9	3.6	4.3	5.1	5.8	6.5	7.3
-60°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0
-61.25°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4	6.0	6.7
-62.5°	0.0	0.6	1.3	1.9	2.6	3.2	3.9	4.5	5.2	5.8	6.5
-63.75°	0.0	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.5	6.2
-65°	0.0	0.6	1.2	1.8	2.4	3.0	3.5	4.1	4.7	5.3	5.9
-66.25°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.5	5.0	5.6
-67.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.3	4.8	5.3
-68.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-70°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.3	4.8
-71.25°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.5
-72.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.4	3.8	4.2
-73.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9
-75°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6
-76.25°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.3	2.6	3.0	3.3
-77.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.4	2.7
-80°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-81.25°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-82.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.6	1.8
-83.75°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5
-85°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2
-86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-88.75°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6
87.5°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
86.25°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
85°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5
83.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1
82.5°	2.0	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7
81.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
80°	2.6	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9
78.75°	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.3	5.5
77.5°	3.3	3.6	3.9	4.2	4.5	4.8	5.0	5.3	5.6	5.9	6.2
76.25°	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.9	6.2	6.5	6.8
75°	4.0	4.3	4.7	5.0	5.3	5.7	6.0	6.4	6.7	7.1	7.4
73.75°	4.3	4.7	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
72.5°	4.6	5.0	5.4	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
71.25°	4.9	5.3	5.8	6.2	6.7	7.1	7.6	8.0	8.4	8.9	9.4
70°	5.2	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.1	9.6	10.2
68.75°	5.5	6.0	6.6	7.1	7.6	8.1	8.6	9.2	9.8	10.3	10.9
67.5°	5.9	6.4	6.9	7.5	8.0	8.5	9.2	9.8	10.4	11.0	11.6
66.25°	6.2	6.7	7.3	7.9	8.4	9.1	9.8	10.4	11.1	11.7	12.2
65°	6.5	7.1	7.7	8.3	8.9	9.6	10.3	11.0	11.7	12.2	12.6
63.75°	6.8	7.4	8.0	8.7	9.4	10.2	10.9	11.6	12.2	12.6	13.1
62.5°	7.1	7.8	8.4	9.2	9.9	10.7	11.5	12.1	12.6	13.1	13.5
61.25°	7.4	8.1	8.8	9.6	10.5	11.3	12.0	12.5	13.0	13.5	13.9
60°	7.7	8.4	9.3	10.1	10.9	11.8	12.4	12.9	13.4	13.8	14.3
58.75°	8.0	8.8	9.7	10.6	11.4	12.2	12.7	13.2	13.7	14.2	14.5
57.5°	8.3	9.2	10.1	11.0	11.9	12.5	13.0	13.6	14.1	14.4	14.8
56.25°	8.6	9.6	10.5	11.5	12.2	12.8	13.4	13.9	14.3	14.7	15.1
55°	9.0	10.0	10.9	11.9	12.5	13.1	13.7	14.2	14.6	15.0	15.3
53.75°	9.3	10.3	11.3	12.2	12.8	13.4	14.0	14.4	14.8	15.2	15.7
52.5°	9.6	10.7	11.7	12.5	13.1	13.7	14.2	14.6	15.0	15.4	16.2
51.25°	10.0	11.1	12.1	12.7	13.3	14.0	14.4	14.9	15.3	15.9	16.7
50°	10.3	11.4	12.3	13.0	13.6	14.2	14.6	15.1	15.5	16.4	17.3
48.75°	10.6	11.8	12.5	13.2	13.9	14.4	14.8	15.3	16.0	16.9	17.8
47.5°	10.9	12.1	12.8	13.4	14.1	14.6	15.0	15.5	16.4	17.3	18.3
46.25°	11.2	12.3	13.0	13.7	14.3	14.8	15.2	15.9	16.9	17.8	19.0
45°	11.5	12.5	13.2	13.9	14.5	14.9	15.4	16.3	17.3	18.3	19.8
43.75°	11.8	12.7	13.4	14.1	14.6	15.1	15.7	16.7	17.7	18.9	20.6
42.5°	12.1	12.8	13.6	14.3	14.8	15.3	16.1	17.1	18.1	19.7	21.4
41.25°	12.2	13.0	13.8	14.4	14.9	15.4	16.4	17.5	18.6	20.4	22.2
40°	12.4	13.2	14.0	14.6	15.1	15.7	16.8	17.9	19.3	21.1	22.9
38.75°	12.6	13.4	14.2	14.7	15.2	16.0	17.1	18.2	20.0	21.8	23.6
37.5°	12.7	13.6	14.3	14.8	15.4	16.4	17.5	18.7	20.6	22.5	24.4
36.25°	12.9	13.7	14.4	15.0	15.5	16.7	17.8	19.3	21.2	23.2	25.1
35°	13.0	13.9	14.5	15.1	15.8	17.0	18.1	19.9	21.9	23.8	25.7



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	13.2	14.0	14.6	15.2	16.1	17.3	18.5	20.5	22.4	24.4	26.4
32.5°	13.3	14.2	14.7	15.3	16.3	17.5	19.0	21.0	23.0	25.0	27.0
31.25°	13.4	14.3	14.9	15.4	16.6	17.8	19.5	21.5	23.6	25.6	27.6
30°	13.6	14.4	15.0	15.6	16.8	18.1	20.0	22.0	24.1	26.2	28.3
28.75°	13.7	14.4	15.1	15.8	17.1	18.3	20.4	22.5	24.6	26.7	29.0
27.5°	13.8	14.5	15.1	16.0	17.3	18.7	20.9	23.0	25.1	27.3	29.7
26.25°	13.9	14.6	15.2	16.2	17.5	19.1	21.3	23.4	25.6	27.8	30.4
25°	14.0	14.7	15.3	16.4	17.7	19.5	21.7	23.9	26.1	28.3	31.1
23.75°	14.1	14.8	15.4	16.6	17.9	19.9	22.1	24.3	26.5	28.9	31.7
22.5°	14.2	14.8	15.5	16.8	18.1	20.2	22.4	24.7	26.9	29.4	32.3
21.25°	14.3	14.9	15.6	17.0	18.3	20.5	22.8	25.1	27.3	30.0	32.9
20°	14.3	15.0	15.8	17.1	18.6	20.8	23.1	25.4	27.7	30.5	33.5
18.75°	14.4	15.0	15.9	17.3	18.8	21.1	23.4	25.7	28.0	31.0	34.0
17.5°	14.4	15.1	16.1	17.4	19.1	21.4	23.7	26.1	28.4	31.4	34.5
16.25°	14.5	15.2	16.2	17.6	19.3	21.7	24.0	26.3	28.8	31.9	34.8
15°	14.5	15.2	16.3	17.7	19.6	21.9	24.3	26.6	29.2	32.3	35.2
13.75°	14.6	15.3	16.4	17.8	19.8	22.1	24.5	26.9	29.6	32.6	35.5
12.5°	14.6	15.3	16.5	17.9	19.9	22.3	24.7	27.1	29.9	33.0	35.7
11.25°	14.6	15.3	16.6	18.0	20.1	22.5	24.9	27.3	30.2	33.3	36.0
10°	14.7	15.4	16.7	18.1	20.3	22.7	25.1	27.5	30.4	33.6	36.2
8.75°	14.7	15.4	16.7	18.2	20.4	22.8	25.2	27.7	30.6	33.8	36.4
7.5°	14.7	15.4	16.8	18.2	20.5	23.0	25.4	27.8	30.8	34.0	36.6
6.25°	14.8	15.4	16.8	18.3	20.6	23.1	25.5	27.9	31.0	34.2	36.7
5°	14.8	15.5	16.9	18.3	20.7	23.1	25.6	28.0	31.2	34.3	36.8
3.75°	14.8	15.5	16.9	18.4	20.8	23.2	25.7	28.1	31.3	34.5	36.9
2.5°	14.8	15.5	16.9	18.4	20.8	23.3	25.7	28.2	31.3	34.5	37.0
1.25°	14.8	15.5	16.9	18.4	20.8	23.3	25.7	28.2	31.4	34.6	37.0
0°	14.8	15.5	17.0	18.4	20.9	23.3	25.8	28.2	31.4	34.6	37.1
-1.25°	14.8	15.5	16.9	18.4	20.8	23.3	25.7	28.2	31.4	34.6	37.0
-2.5°	14.8	15.5	16.9	18.4	20.8	23.3	25.7	28.2	31.3	34.5	37.0
-3.75°	14.8	15.5	16.9	18.4	20.8	23.2	25.7	28.1	31.3	34.5	36.9
-5°	14.8	15.5	16.9	18.3	20.7	23.1	25.6	28.0	31.2	34.3	36.8
-6.25°	14.8	15.4	16.8	18.3	20.6	23.1	25.5	27.9	31.0	34.2	36.7
-7.5°	14.7	15.4	16.8	18.2	20.5	23.0	25.4	27.8	30.8	34.0	36.6
-8.75°	14.7	15.4	16.7	18.2	20.4	22.8	25.2	27.7	30.6	33.8	36.4
-10°	14.7	15.4	16.7	18.1	20.3	22.7	25.1	27.5	30.4	33.6	36.2
-11.25°	14.6	15.3	16.6	18.0	20.1	22.5	24.9	27.3	30.2	33.3	36.0
-12.5°	14.6	15.3	16.5	17.9	19.9	22.3	24.7	27.1	29.9	33.0	35.7
-13.75°	14.6	15.3	16.4	17.8	19.8	22.1	24.5	26.9	29.6	32.6	35.5
-15°	14.5	15.2	16.3	17.7	19.6	21.9	24.3	26.6	29.2	32.3	35.2
-16.25°	14.5	15.2	16.2	17.6	19.3	21.7	24.0	26.3	28.8	31.9	34.8
-17.5°	14.4	15.1	16.1	17.4	19.1	21.4	23.7	26.1	28.4	31.4	34.5
-18.75°	14.4	15.0	15.9	17.3	18.8	21.1	23.4	25.7	28.0	31.0	34.0
-20°	14.3	15.0	15.8	17.1	18.6	20.8	23.1	25.4	27.7	30.5	33.5
-21.25°	14.3	14.9	15.6	17.0	18.3	20.5	22.8	25.1	27.3	30.0	32.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	14.2	14.8	15.5	16.8	18.1	20.2	22.4	24.7	26.9	29.4	32.3
-23.75°	14.1	14.8	15.4	16.6	17.9	19.9	22.1	24.3	26.5	28.9	31.7
-25°	14.0	14.7	15.3	16.4	17.7	19.5	21.7	23.9	26.1	28.3	31.1
-26.25°	13.9	14.6	15.2	16.2	17.5	19.1	21.3	23.4	25.6	27.8	30.4
-27.5°	13.8	14.5	15.1	16.0	17.3	18.7	20.9	23.0	25.1	27.3	29.7
-28.75°	13.7	14.4	15.1	15.8	17.1	18.3	20.4	22.5	24.6	26.7	29.0
-30°	13.6	14.4	15.0	15.6	16.8	18.1	20.0	22.0	24.1	26.2	28.3
-31.25°	13.4	14.3	14.9	15.4	16.6	17.8	19.5	21.5	23.6	25.6	27.6
-32.5°	13.3	14.2	14.7	15.3	16.3	17.5	19.0	21.0	23.0	25.0	27.0
-33.75°	13.2	14.0	14.6	15.2	16.1	17.3	18.5	20.5	22.4	24.4	26.4
-35°	13.0	13.9	14.5	15.1	15.8	17.0	18.1	19.9	21.9	23.8	25.7
-36.25°	12.9	13.7	14.4	15.0	15.5	16.7	17.8	19.3	21.2	23.2	25.1
-37.5°	12.7	13.6	14.3	14.8	15.4	16.4	17.5	18.7	20.6	22.5	24.4
-38.75°	12.6	13.4	14.2	14.7	15.2	16.0	17.1	18.2	20.0	21.8	23.6
-40°	12.4	13.2	14.0	14.6	15.1	15.7	16.8	17.9	19.3	21.1	22.9
-41.25°	12.2	13.0	13.8	14.4	14.9	15.4	16.4	17.5	18.6	20.4	22.2
-42.5°	12.1	12.8	13.6	14.3	14.8	15.3	16.1	17.1	18.1	19.7	21.4
-43.75°	11.8	12.7	13.4	14.1	14.6	15.1	15.7	16.7	17.7	18.9	20.6
-45°	11.5	12.5	13.2	13.9	14.5	14.9	15.4	16.3	17.3	18.3	19.8
-46.25°	11.2	12.3	13.0	13.7	14.3	14.8	15.2	15.9	16.9	17.8	19.0
-47.5°	10.9	12.1	12.8	13.4	14.1	14.6	15.0	15.5	16.4	17.3	18.3
-48.75°	10.6	11.8	12.5	13.2	13.9	14.4	14.8	15.3	16.0	16.9	17.8
-50°	10.3	11.4	12.3	13.0	13.6	14.2	14.6	15.1	15.5	16.4	17.3
-51.25°	10.0	11.1	12.1	12.7	13.3	14.0	14.4	14.9	15.3	15.9	16.7
-52.5°	9.6	10.7	11.7	12.5	13.1	13.7	14.2	14.6	15.0	15.4	16.2
-53.75°	9.3	10.3	11.3	12.2	12.8	13.4	14.0	14.4	14.8	15.2	15.7
-55°	9.0	10.0	10.9	11.9	12.5	13.1	13.7	14.2	14.6	15.0	15.3
-56.25°	8.6	9.6	10.5	11.5	12.2	12.8	13.4	13.9	14.3	14.7	15.1
-57.5°	8.3	9.2	10.1	11.0	11.9	12.5	13.0	13.6	14.1	14.4	14.8
-58.75°	8.0	8.8	9.7	10.6	11.4	12.2	12.7	13.2	13.7	14.2	14.5
-60°	7.7	8.4	9.3	10.1	10.9	11.8	12.4	12.9	13.4	13.8	14.3
-61.25°	7.4	8.1	8.8	9.6	10.5	11.3	12.0	12.5	13.0	13.5	13.9
-62.5°	7.1	7.8	8.4	9.2	9.9	10.7	11.5	12.1	12.6	13.1	13.5
-63.75°	6.8	7.4	8.0	8.7	9.4	10.2	10.9	11.6	12.2	12.6	13.1
-65°	6.5	7.1	7.7	8.3	8.9	9.6	10.3	11.0	11.7	12.2	12.6
-66.25°	6.2	6.7	7.3	7.9	8.4	9.1	9.8	10.4	11.1	11.7	12.2
-67.5°	5.9	6.4	6.9	7.5	8.0	8.5	9.2	9.8	10.4	11.0	11.6
-68.75°	5.5	6.0	6.6	7.1	7.6	8.1	8.6	9.2	9.8	10.3	10.9
-70°	5.2	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.1	9.6	10.2
-71.25°	4.9	5.3	5.8	6.2	6.7	7.1	7.6	8.0	8.4	8.9	9.4
-72.5°	4.6	5.0	5.4	5.8	6.2	6.6	7.1	7.5	7.9	8.3	8.7
-73.75°	4.3	4.7	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.7	8.0
-75°	4.0	4.3	4.7	5.0	5.3	5.7	6.0	6.4	6.7	7.1	7.4
-76.25°	3.6	4.0	4.3	4.6	4.9	5.2	5.5	5.9	6.2	6.5	6.8
-77.5°	3.3	3.6	3.9	4.2	4.5	4.8	5.0	5.3	5.6	5.9	6.2



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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.8	5.0	5.3	5.5
-80°	2.6	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9
-81.25°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
-82.5°	2.0	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7
-83.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1
-85°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5
-86.25°	1.0	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
-87.5°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2
-88.75°	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.9	0.9	0.9
87.5°	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8
86.25°	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7
85°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
83.75°	3.2	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
82.5°	3.9	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.1	5.2	5.4
81.25°	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.1	6.3
80°	5.2	5.4	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	8.9	9.2
76.25°	7.1	7.4	7.7	8.0	8.3	8.6	9.0	9.3	9.6	10.0	10.3
75°	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.4
73.75°	8.4	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.3
72.5°	9.2	9.6	10.1	10.6	11.0	11.5	11.9	12.2	12.5	12.7	13.0
71.25°	9.9	10.5	10.9	11.4	11.9	12.2	12.5	12.8	13.1	13.3	13.6
70°	10.7	11.3	11.8	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.2
68.75°	11.5	12.0	12.4	12.7	13.0	13.4	13.7	14.0	14.2	14.4	14.6
67.5°	12.1	12.5	12.9	13.2	13.6	13.9	14.2	14.4	14.6	14.9	15.1
66.25°	12.6	13.0	13.4	13.7	14.1	14.3	14.6	14.8	15.0	15.3	15.5
65°	13.1	13.5	13.8	14.2	14.4	14.7	15.0	15.2	15.4	15.9	16.4
63.75°	13.5	13.9	14.3	14.5	14.8	15.1	15.3	15.7	16.2	16.7	17.3
62.5°	13.9	14.3	14.6	14.9	15.1	15.4	15.9	16.5	17.0	17.6	18.1
61.25°	14.3	14.6	14.9	15.2	15.5	16.1	16.7	17.3	17.9	18.4	19.4
60°	14.6	14.9	15.2	15.5	16.2	16.8	17.4	18.0	18.8	19.8	20.8
58.75°	14.9	15.2	15.5	16.2	16.9	17.5	18.2	19.1	20.2	21.2	22.3
57.5°	15.1	15.5	16.2	16.9	17.6	18.2	19.3	20.4	21.5	22.6	23.7
56.25°	15.4	16.1	16.8	17.5	18.2	19.3	20.5	21.7	22.8	24.0	25.1
55°	15.9	16.7	17.4	18.2	19.3	20.5	21.7	23.0	24.2	25.3	26.5
53.75°	16.5	17.3	18.0	19.1	20.4	21.7	23.0	24.2	25.5	26.7	27.9
52.5°	17.0	17.9	18.8	20.2	21.5	22.8	24.2	25.5	26.7	28.0	29.6
51.25°	17.6	18.4	19.8	21.2	22.6	24.0	25.3	26.7	28.0	29.6	31.3
50°	18.1	19.4	20.8	22.3	23.7	25.1	26.5	27.9	29.6	31.3	33.1
48.75°	18.8	20.3	21.8	23.3	24.8	26.2	27.7	29.3	31.2	33.0	34.7
47.5°	19.7	21.3	22.8	24.3	25.8	27.3	29.0	30.9	32.8	34.6	36.0
46.25°	20.6	22.2	23.7	25.3	26.8	28.4	30.4	32.4	34.3	35.9	37.3
45°	21.5	23.1	24.7	26.3	27.9	29.8	31.9	33.9	35.6	37.1	38.6
43.75°	22.3	23.9	25.6	27.2	29.1	31.2	33.3	35.2	36.7	38.3	39.7
42.5°	23.1	24.8	26.5	28.2	30.3	32.5	34.6	36.3	37.9	39.5	40.6
41.25°	23.9	25.7	27.4	29.4	31.6	33.8	35.7	37.3	39.0	40.3	41.5
40°	24.7	26.5	28.3	30.5	32.8	35.0	36.7	38.4	39.9	41.2	42.4
38.75°	25.5	27.3	29.4	31.7	34.0	35.9	37.7	39.4	40.7	42.0	43.2
37.5°	26.2	28.1	30.4	32.8	35.1	36.9	38.7	40.2	41.5	42.8	44.0
36.25°	26.9	29.0	31.5	33.9	35.9	37.8	39.6	40.9	42.2	43.5	44.8
35°	27.7	30.0	32.5	34.9	36.8	38.7	40.3	41.6	43.0	44.3	45.6



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	28.4	30.9	33.5	35.7	37.6	39.5	40.9	42.3	43.7	45.0	46.3
32.5°	29.3	31.9	34.5	36.5	38.4	40.1	41.6	43.0	44.3	45.7	47.1
31.25°	30.1	32.8	35.2	37.2	39.2	40.7	42.2	43.6	45.0	46.4	47.8
30°	30.9	33.6	35.9	37.9	39.8	41.3	42.8	44.2	45.6	47.1	48.5
28.75°	31.7	34.5	36.6	38.6	40.4	41.9	43.4	44.8	46.3	47.7	49.1
27.5°	32.5	35.1	37.2	39.3	40.9	42.4	43.9	45.4	46.9	48.3	49.8
26.25°	33.2	35.7	37.8	39.8	41.4	42.9	44.4	45.9	47.4	48.9	50.3
25°	33.9	36.3	38.4	40.3	41.9	43.4	44.9	46.5	48.0	49.5	50.6
23.75°	34.6	36.8	39.0	40.7	42.3	43.9	45.4	47.0	48.5	50.0	51.0
22.5°	35.1	37.3	39.5	41.1	42.8	44.3	45.9	47.5	49.0	50.4	51.3
21.25°	35.6	37.8	39.9	41.5	43.2	44.8	46.3	47.9	49.5	50.7	51.6
20°	36.0	38.3	40.3	41.9	43.6	45.2	46.8	48.4	50.0	51.0	51.9
18.75°	36.4	38.7	40.6	42.3	43.9	45.5	47.2	48.8	50.3	51.2	52.2
17.5°	36.8	39.1	40.9	42.6	44.3	45.9	47.5	49.2	50.5	51.5	52.3
16.25°	37.2	39.5	41.2	42.9	44.6	46.2	47.9	49.5	50.7	51.7	52.4
15°	37.5	39.8	41.5	43.2	44.9	46.5	48.2	49.9	51.0	51.9	52.4
13.75°	37.8	40.0	41.7	43.5	45.1	46.8	48.5	50.1	51.2	52.2	52.5
12.5°	38.1	40.2	42.0	43.7	45.4	47.1	48.8	50.3	51.3	52.2	52.6
11.25°	38.4	40.4	42.2	43.9	45.6	47.3	49.0	50.5	51.5	52.3	52.6
10°	38.6	40.6	42.4	44.1	45.8	47.5	49.2	50.6	51.6	52.4	52.7
8.75°	38.8	40.8	42.5	44.3	46.0	47.7	49.4	50.7	51.8	52.4	52.7
7.5°	39.0	40.9	42.7	44.4	46.2	47.9	49.6	50.8	51.9	52.4	52.8
6.25°	39.2	41.0	42.8	44.6	46.3	48.0	49.8	50.9	52.0	52.5	52.8
5°	39.3	41.1	42.9	44.7	46.4	48.1	49.9	51.0	52.1	52.5	52.8
3.75°	39.4	41.2	43.0	44.7	46.5	48.2	50.0	51.1	52.1	52.5	52.9
2.5°	39.4	41.3	43.1	44.8	46.6	48.3	50.0	51.1	52.2	52.5	52.9
1.25°	39.5	41.3	43.1	44.8	46.6	48.3	50.1	51.1	52.2	52.5	52.9
0°	39.5	41.3	43.1	44.9	46.6	48.4	50.1	51.2	52.2	52.6	52.9
-1.25°	39.5	41.3	43.1	44.8	46.6	48.3	50.1	51.1	52.2	52.5	52.9
-2.5°	39.4	41.3	43.1	44.8	46.6	48.3	50.0	51.1	52.2	52.5	52.9
-3.75°	39.4	41.2	43.0	44.7	46.5	48.2	50.0	51.1	52.1	52.5	52.9
-5°	39.3	41.1	42.9	44.7	46.4	48.1	49.9	51.0	52.1	52.5	52.8
-6.25°	39.2	41.0	42.8	44.6	46.3	48.0	49.8	50.9	52.0	52.5	52.8
-7.5°	39.0	40.9	42.7	44.4	46.2	47.9	49.6	50.8	51.9	52.4	52.8
-8.75°	38.8	40.8	42.5	44.3	46.0	47.7	49.4	50.7	51.8	52.4	52.7
-10°	38.6	40.6	42.4	44.1	45.8	47.5	49.2	50.6	51.6	52.4	52.7
-11.25°	38.4	40.4	42.2	43.9	45.6	47.3	49.0	50.5	51.5	52.3	52.6
-12.5°	38.1	40.2	42.0	43.7	45.4	47.1	48.8	50.3	51.3	52.2	52.6
-13.75°	37.8	40.0	41.7	43.5	45.1	46.8	48.5	50.1	51.2	52.2	52.5
-15°	37.5	39.8	41.5	43.2	44.9	46.5	48.2	49.9	51.0	51.9	52.4
-16.25°	37.2	39.5	41.2	42.9	44.6	46.2	47.9	49.5	50.7	51.7	52.4
-17.5°	36.8	39.1	40.9	42.6	44.3	45.9	47.5	49.2	50.5	51.5	52.3
-18.75°	36.4	38.7	40.6	42.3	43.9	45.5	47.2	48.8	50.3	51.2	52.2
-20°	36.0	38.3	40.3	41.9	43.6	45.2	46.8	48.4	50.0	51.0	51.9
-21.25°	35.6	37.8	39.9	41.5	43.2	44.8	46.3	47.9	49.5	50.7	51.6



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	35.1	37.3	39.5	41.1	42.8	44.3	45.9	47.5	49.0	50.4	51.3
-23.75°	34.6	36.8	39.0	40.7	42.3	43.9	45.4	47.0	48.5	50.0	51.0
-25°	33.9	36.3	38.4	40.3	41.9	43.4	44.9	46.5	48.0	49.5	50.6
-26.25°	33.2	35.7	37.8	39.8	41.4	42.9	44.4	45.9	47.4	48.9	50.3
-27.5°	32.5	35.1	37.2	39.3	40.9	42.4	43.9	45.4	46.9	48.3	49.8
-28.75°	31.7	34.5	36.6	38.6	40.4	41.9	43.4	44.8	46.3	47.7	49.1
-30°	30.9	33.6	35.9	37.9	39.8	41.3	42.8	44.2	45.6	47.1	48.5
-31.25°	30.1	32.8	35.2	37.2	39.2	40.7	42.2	43.6	45.0	46.4	47.8
-32.5°	29.3	31.9	34.5	36.5	38.4	40.1	41.6	43.0	44.3	45.7	47.1
-33.75°	28.4	30.9	33.5	35.7	37.6	39.5	40.9	42.3	43.7	45.0	46.3
-35°	27.7	30.0	32.5	34.9	36.8	38.7	40.3	41.6	43.0	44.3	45.6
-36.25°	26.9	29.0	31.5	33.9	35.9	37.8	39.6	40.9	42.2	43.5	44.8
-37.5°	26.2	28.1	30.4	32.8	35.1	36.9	38.7	40.2	41.5	42.8	44.0
-38.75°	25.5	27.3	29.4	31.7	34.0	35.9	37.7	39.4	40.7	42.0	43.2
-40°	24.7	26.5	28.3	30.5	32.8	35.0	36.7	38.4	39.9	41.2	42.4
-41.25°	23.9	25.7	27.4	29.4	31.6	33.8	35.7	37.3	39.0	40.3	41.5
-42.5°	23.1	24.8	26.5	28.2	30.3	32.5	34.6	36.3	37.9	39.5	40.6
-43.75°	22.3	23.9	25.6	27.2	29.1	31.2	33.3	35.2	36.7	38.3	39.7
-45°	21.5	23.1	24.7	26.3	27.9	29.8	31.9	33.9	35.6	37.1	38.6
-46.25°	20.6	22.2	23.7	25.3	26.8	28.4	30.4	32.4	34.3	35.9	37.3
-47.5°	19.7	21.3	22.8	24.3	25.8	27.3	29.0	30.9	32.8	34.6	36.0
-48.75°	18.8	20.3	21.8	23.3	24.8	26.2	27.7	29.3	31.2	33.0	34.7
-50°	18.1	19.4	20.8	22.3	23.7	25.1	26.5	27.9	29.6	31.3	33.1
-51.25°	17.6	18.4	19.8	21.2	22.6	24.0	25.3	26.7	28.0	29.6	31.3
-52.5°	17.0	17.9	18.8	20.2	21.5	22.8	24.2	25.5	26.7	28.0	29.6
-53.75°	16.5	17.3	18.0	19.1	20.4	21.7	23.0	24.2	25.5	26.7	27.9
-55°	15.9	16.7	17.4	18.2	19.3	20.5	21.7	23.0	24.2	25.3	26.5
-56.25°	15.4	16.1	16.8	17.5	18.2	19.3	20.5	21.7	22.8	24.0	25.1
-57.5°	15.1	15.5	16.2	16.9	17.6	18.2	19.3	20.4	21.5	22.6	23.7
-58.75°	14.9	15.2	15.5	16.2	16.9	17.5	18.2	19.1	20.2	21.2	22.3
-60°	14.6	14.9	15.2	15.5	16.2	16.8	17.4	18.0	18.8	19.8	20.8
-61.25°	14.3	14.6	14.9	15.2	15.5	16.1	16.7	17.3	17.9	18.4	19.4
-62.5°	13.9	14.3	14.6	14.9	15.1	15.4	15.9	16.5	17.0	17.6	18.1
-63.75°	13.5	13.9	14.3	14.5	14.8	15.1	15.3	15.7	16.2	16.7	17.3
-65°	13.1	13.5	13.8	14.2	14.4	14.7	15.0	15.2	15.4	15.9	16.4
-66.25°	12.6	13.0	13.4	13.7	14.1	14.3	14.6	14.8	15.0	15.3	15.5
-67.5°	12.1	12.5	12.9	13.2	13.6	13.9	14.2	14.4	14.6	14.9	15.1
-68.75°	11.5	12.0	12.4	12.7	13.0	13.4	13.7	14.0	14.2	14.4	14.6
-70°	10.7	11.3	11.8	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.2
-71.25°	9.9	10.5	10.9	11.4	11.9	12.2	12.5	12.8	13.1	13.3	13.6
-72.5°	9.2	9.6	10.1	10.6	11.0	11.5	11.9	12.2	12.5	12.7	13.0
-73.75°	8.4	8.8	9.3	9.7	10.1	10.5	10.9	11.3	11.7	12.1	12.3
-75°	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.3	10.7	11.1	11.4
-76.25°	7.1	7.4	7.7	8.0	8.3	8.6	9.0	9.3	9.6	10.0	10.3
-77.5°	6.5	6.7	7.0	7.3	7.5	7.8	8.1	8.3	8.6	8.9	9.2



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2
-81.25°	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.1	6.3
-82.5°	3.9	4.0	4.2	4.3	4.5	4.7	4.8	5.0	5.1	5.2	5.4
-83.75°	3.2	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.3	4.4	4.5
-85°	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6
-86.25°	1.9	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7
-87.5°	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8
-88.75°	0.6	0.7	0.7	0.7	0.8	0.8	0.8	0.8	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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
87.5°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
86.25°	2.8	2.8	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3	3.4
85°	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.4	4.5
83.75°	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	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	8.9	9.1	9.3
78.75°	8.4	8.6	8.9	9.1	9.3	9.6	9.8	10.0	10.3	10.5	10.7
77.5°	9.5	9.8	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.8	12.0
76.25°	10.6	10.9	11.2	11.5	11.8	12.1	12.2	12.4	12.6	12.7	12.9
75°	11.8	12.1	12.3	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.7
73.75°	12.5	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.3	14.4
72.5°	13.2	13.4	13.7	13.9	14.1	14.3	14.4	14.6	14.7	14.8	15.0
71.25°	13.9	14.1	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	15.5
70°	14.4	14.6	14.8	14.9	15.1	15.3	15.4	15.7	16.0	16.4	16.7
68.75°	14.8	15.0	15.2	15.4	15.7	16.1	16.4	16.8	17.1	17.5	17.8
67.5°	15.3	15.5	15.9	16.3	16.7	17.1	17.5	17.9	18.2	18.7	19.3
66.25°	16.0	16.4	16.9	17.3	17.7	18.1	18.6	19.3	20.0	20.6	21.2
65°	16.9	17.3	17.8	18.3	18.9	19.7	20.4	21.1	21.8	22.5	23.2
63.75°	17.8	18.3	19.0	19.8	20.6	21.4	22.2	22.9	23.6	24.4	25.1
62.5°	18.8	19.7	20.6	21.5	22.3	23.1	23.9	24.7	25.5	26.2	26.9
61.25°	20.3	21.3	22.2	23.1	23.9	24.8	25.7	26.5	27.3	28.1	29.0
60°	21.8	22.8	23.7	24.7	25.6	26.5	27.4	28.3	29.4	30.4	31.5
58.75°	23.3	24.3	25.3	26.3	27.2	28.2	29.4	30.5	31.7	32.8	33.9
57.5°	24.8	25.8	26.8	27.9	29.1	30.3	31.6	32.8	34.0	35.1	35.9
56.25°	26.2	27.3	28.4	29.8	31.2	32.5	33.8	35.0	35.9	36.9	37.8
55°	27.7	29.0	30.4	31.9	33.3	34.6	35.7	36.7	37.7	38.7	39.6
53.75°	29.3	30.9	32.4	33.9	35.2	36.3	37.3	38.4	39.4	40.2	40.9
52.5°	31.2	32.8	34.3	35.6	36.7	37.9	39.0	39.9	40.7	41.5	42.2
51.25°	33.0	34.6	35.9	37.1	38.3	39.5	40.3	41.2	42.0	42.8	43.5
50°	34.7	36.0	37.3	38.6	39.7	40.6	41.5	42.4	43.2	44.0	44.8
48.75°	36.1	37.4	38.8	39.9	40.9	41.8	42.7	43.6	44.4	45.3	46.1
47.5°	37.4	38.8	40.0	41.0	42.0	42.9	43.8	44.7	45.6	46.5	47.3
46.25°	38.8	40.0	41.0	42.1	43.1	44.0	45.0	45.9	46.8	47.7	48.6
45°	39.9	41.0	42.1	43.1	44.1	45.1	46.1	47.0	48.0	48.9	49.8
43.75°	40.9	42.0	43.1	44.1	45.1	46.2	47.2	48.1	49.1	50.1	50.6
42.5°	41.8	42.9	44.0	45.1	46.2	47.2	48.2	49.2	50.2	50.8	51.3
41.25°	42.7	43.8	45.0	46.1	47.2	48.2	49.3	50.2	50.9	51.5	52.1
40°	43.6	44.7	45.9	47.0	48.1	49.2	50.2	50.9	51.5	52.1	52.4
38.75°	44.4	45.6	46.8	48.0	49.1	50.2	50.9	51.5	52.2	52.4	52.6
37.5°	45.3	46.5	47.7	48.9	50.1	50.8	51.5	52.1	52.4	52.6	52.8
36.25°	46.1	47.3	48.6	49.8	50.6	51.3	52.1	52.4	52.6	52.8	53.2
35°	46.9	48.1	49.4	50.4	51.2	51.9	52.3	52.6	52.8	53.2	53.7



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	47.6	48.9	50.2	50.9	51.7	52.3	52.5	52.8	53.1	53.6	54.1
32.5°	48.4	49.7	50.7	51.5	52.2	52.5	52.7	53.0	53.5	54.0	54.4
31.25°	49.1	50.3	51.1	51.9	52.4	52.6	52.9	53.4	53.9	54.4	54.6
30°	49.8	50.8	51.6	52.3	52.5	52.8	53.3	53.8	54.3	54.6	54.9
28.75°	50.4	51.2	52.0	52.4	52.7	53.1	53.6	54.1	54.5	54.8	55.1
27.5°	50.8	51.6	52.3	52.6	52.9	53.4	53.9	54.4	54.7	55.0	55.5
26.25°	51.2	52.0	52.4	52.7	53.1	53.7	54.2	54.6	54.9	55.3	55.8
25°	51.5	52.3	52.6	52.9	53.4	54.0	54.4	54.8	55.1	55.6	56.2
23.75°	51.9	52.4	52.7	53.1	53.7	54.3	54.6	54.9	55.4	56.0	56.5
22.5°	52.2	52.5	52.8	53.3	53.9	54.4	54.8	55.1	55.7	56.3	56.9
21.25°	52.3	52.6	53.0	53.6	54.2	54.6	54.9	55.4	56.0	56.6	57.2
20°	52.4	52.7	53.2	53.8	54.4	54.7	55.1	55.7	56.3	56.9	57.5
18.75°	52.5	52.8	53.4	54.0	54.5	54.9	55.3	55.9	56.6	57.2	57.8
17.5°	52.6	53.0	53.6	54.2	54.6	55.0	55.6	56.2	56.8	57.4	58.2
16.25°	52.7	53.1	53.8	54.4	54.8	55.1	55.8	56.4	57.0	57.7	58.7
15°	52.8	53.3	54.0	54.5	54.9	55.3	56.0	56.6	57.3	57.9	59.2
13.75°	52.9	53.5	54.1	54.6	55.0	55.5	56.2	56.8	57.5	58.4	59.7
12.5°	52.9	53.6	54.3	54.7	55.1	55.7	56.3	57.0	57.7	58.8	60.1
11.25°	53.1	53.7	54.4	54.8	55.2	55.8	56.5	57.2	57.8	59.1	60.4
10°	53.2	53.9	54.4	54.8	55.3	56.0	56.6	57.3	58.1	59.4	60.9
8.75°	53.3	54.0	54.5	54.9	55.4	56.1	56.8	57.5	58.4	59.7	61.7
7.5°	53.4	54.0	54.6	54.9	55.5	56.2	56.9	57.6	58.6	60.0	62.4
6.25°	53.4	54.1	54.6	55.0	55.6	56.3	57.0	57.7	58.8	60.2	62.9
5°	53.5	54.2	54.6	55.0	55.7	56.4	57.1	57.8	59.0	60.4	63.4
3.75°	53.5	54.2	54.7	55.1	55.7	56.4	57.1	57.8	59.1	60.5	63.8
2.5°	53.6	54.3	54.7	55.1	55.8	56.5	57.2	57.9	59.2	60.6	64.0
1.25°	53.6	54.3	54.7	55.1	55.8	56.5	57.2	57.9	59.3	60.7	64.2
0°	53.6	54.3	54.7	55.1	55.8	56.5	57.2	57.9	59.3	60.7	64.3
-1.25°	53.6	54.3	54.7	55.1	55.8	56.5	57.2	57.9	59.3	60.7	64.2
-2.5°	53.6	54.3	54.7	55.1	55.8	56.5	57.2	57.9	59.2	60.6	64.0
-3.75°	53.5	54.2	54.7	55.1	55.7	56.4	57.1	57.8	59.1	60.5	63.8
-5°	53.5	54.2	54.6	55.0	55.7	56.4	57.1	57.8	59.0	60.4	63.4
-6.25°	53.4	54.1	54.6	55.0	55.6	56.3	57.0	57.7	58.8	60.2	62.9
-7.5°	53.4	54.0	54.6	54.9	55.5	56.2	56.9	57.6	58.6	60.0	62.4
-8.75°	53.3	54.0	54.5	54.9	55.4	56.1	56.8	57.5	58.4	59.7	61.7
-10°	53.2	53.9	54.4	54.8	55.3	56.0	56.6	57.3	58.1	59.4	60.9
-11.25°	53.1	53.7	54.4	54.8	55.2	55.8	56.5	57.2	57.8	59.1	60.4
-12.5°	52.9	53.6	54.3	54.7	55.1	55.7	56.3	57.0	57.7	58.8	60.1
-13.75°	52.9	53.5	54.1	54.6	55.0	55.5	56.2	56.8	57.5	58.4	59.7
-15°	52.8	53.3	54.0	54.5	54.9	55.3	56.0	56.6	57.3	57.9	59.2
-16.25°	52.7	53.1	53.8	54.4	54.8	55.1	55.8	56.4	57.0	57.7	58.7
-17.5°	52.6	53.0	53.6	54.2	54.6	55.0	55.6	56.2	56.8	57.4	58.2
-18.75°	52.5	52.8	53.4	54.0	54.5	54.9	55.3	55.9	56.6	57.2	57.8
-20°	52.4	52.7	53.2	53.8	54.4	54.7	55.1	55.7	56.3	56.9	57.5
-21.25°	52.3	52.6	53.0	53.6	54.2	54.6	54.9	55.4	56.0	56.6	57.2



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	52.2	52.5	52.8	53.3	53.9	54.4	54.8	55.1	55.7	56.3	56.9
-23.75°	51.9	52.4	52.7	53.1	53.7	54.3	54.6	54.9	55.4	56.0	56.5
-25°	51.5	52.3	52.6	52.9	53.4	54.0	54.4	54.8	55.1	55.6	56.2
-26.25°	51.2	52.0	52.4	52.7	53.1	53.7	54.2	54.6	54.9	55.3	55.8
-27.5°	50.8	51.6	52.3	52.6	52.9	53.4	53.9	54.4	54.7	55.0	55.5
-28.75°	50.4	51.2	52.0	52.4	52.7	53.1	53.6	54.1	54.5	54.8	55.1
-30°	49.8	50.8	51.6	52.3	52.5	52.8	53.3	53.8	54.3	54.6	54.9
-31.25°	49.1	50.3	51.1	51.9	52.4	52.6	52.9	53.4	53.9	54.4	54.6
-32.5°	48.4	49.7	50.7	51.5	52.2	52.5	52.7	53.0	53.5	54.0	54.4
-33.75°	47.6	48.9	50.2	50.9	51.7	52.3	52.5	52.8	53.1	53.6	54.1
-35°	46.9	48.1	49.4	50.4	51.2	51.9	52.3	52.6	52.8	53.2	53.7
-36.25°	46.1	47.3	48.6	49.8	50.6	51.3	52.1	52.4	52.6	52.8	53.2
-37.5°	45.3	46.5	47.7	48.9	50.1	50.8	51.5	52.1	52.4	52.6	52.8
-38.75°	44.4	45.6	46.8	48.0	49.1	50.2	50.9	51.5	52.2	52.4	52.6
-40°	43.6	44.7	45.9	47.0	48.1	49.2	50.2	50.9	51.5	52.1	52.4
-41.25°	42.7	43.8	45.0	46.1	47.2	48.2	49.3	50.2	50.9	51.5	52.1
-42.5°	41.8	42.9	44.0	45.1	46.2	47.2	48.2	49.2	50.2	50.8	51.3
-43.75°	40.9	42.0	43.1	44.1	45.1	46.2	47.2	48.1	49.1	50.1	50.6
-45°	39.9	41.0	42.1	43.1	44.1	45.1	46.1	47.0	48.0	48.9	49.8
-46.25°	38.8	40.0	41.0	42.1	43.1	44.0	45.0	45.9	46.8	47.7	48.6
-47.5°	37.4	38.8	40.0	41.0	42.0	42.9	43.8	44.7	45.6	46.5	47.3
-48.75°	36.1	37.4	38.8	39.9	40.9	41.8	42.7	43.6	44.4	45.3	46.1
-50°	34.7	36.0	37.3	38.6	39.7	40.6	41.5	42.4	43.2	44.0	44.8
-51.25°	33.0	34.6	35.9	37.1	38.3	39.5	40.3	41.2	42.0	42.8	43.5
-52.5°	31.2	32.8	34.3	35.6	36.7	37.9	39.0	39.9	40.7	41.5	42.2
-53.75°	29.3	30.9	32.4	33.9	35.2	36.3	37.3	38.4	39.4	40.2	40.9
-55°	27.7	29.0	30.4	31.9	33.3	34.6	35.7	36.7	37.7	38.7	39.6
-56.25°	26.2	27.3	28.4	29.8	31.2	32.5	33.8	35.0	35.9	36.9	37.8
-57.5°	24.8	25.8	26.8	27.9	29.1	30.3	31.6	32.8	34.0	35.1	35.9
-58.75°	23.3	24.3	25.3	26.3	27.2	28.2	29.4	30.5	31.7	32.8	33.9
-60°	21.8	22.8	23.7	24.7	25.6	26.5	27.4	28.3	29.4	30.4	31.5
-61.25°	20.3	21.3	22.2	23.1	23.9	24.8	25.7	26.5	27.3	28.1	29.0
-62.5°	18.8	19.7	20.6	21.5	22.3	23.1	23.9	24.7	25.5	26.2	26.9
-63.75°	17.8	18.3	19.0	19.8	20.6	21.4	22.2	22.9	23.6	24.4	25.1
-65°	16.9	17.3	17.8	18.3	18.9	19.7	20.4	21.1	21.8	22.5	23.2
-66.25°	16.0	16.4	16.9	17.3	17.7	18.1	18.6	19.3	20.0	20.6	21.2
-67.5°	15.3	15.5	15.9	16.3	16.7	17.1	17.5	17.9	18.2	18.7	19.3
-68.75°	14.8	15.0	15.2	15.4	15.7	16.1	16.4	16.8	17.1	17.5	17.8
-70°	14.4	14.6	14.8	14.9	15.1	15.3	15.4	15.7	16.0	16.4	16.7
-71.25°	13.9	14.1	14.3	14.5	14.6	14.8	14.9	15.1	15.2	15.4	15.5
-72.5°	13.2	13.4	13.7	13.9	14.1	14.3	14.4	14.6	14.7	14.8	15.0
-73.75°	12.5	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.3	14.4
-75°	11.8	12.1	12.3	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.7
-76.25°	10.6	10.9	11.2	11.5	11.8	12.1	12.2	12.4	12.6	12.7	12.9
-77.5°	9.5	9.8	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.8	12.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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	8.9	9.1	9.3	9.6	9.8	10.0	10.3	10.5	10.7
-80°	7.4	7.6	7.8	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.3
-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°	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.5	5.6
-85°	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.4	4.5
-86.25°	2.8	2.8	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3	3.4
-87.5°	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.3
-88.75°	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
87.5°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
86.25°	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9
85°	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
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	8.9	9.0	9.1	9.2	9.3
80°	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9
78.75°	10.9	11.1	11.3	11.4	11.6	11.8	12.0	12.1	12.2	12.2	12.3
77.5°	12.2	12.3	12.4	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3
76.25°	13.0	13.2	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.1	14.2
75°	13.9	14.0	14.2	14.3	14.4	14.4	14.5	14.6	14.7	14.8	14.8
73.75°	14.5	14.6	14.7	14.9	15.0	15.1	15.1	15.2	15.3	15.4	15.5
72.5°	15.1	15.2	15.3	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8
71.25°	15.8	16.1	16.3	16.6	16.8	17.1	17.3	17.5	17.7	17.9	18.1
70°	17.0	17.3	17.5	17.8	18.1	18.3	18.7	19.1	19.5	19.9	20.2
68.75°	18.1	18.5	19.0	19.5	20.0	20.4	20.9	21.3	21.7	22.1	22.4
67.5°	19.9	20.5	21.0	21.5	22.0	22.5	23.0	23.4	23.9	24.3	24.7
66.25°	21.9	22.4	23.0	23.6	24.1	24.6	25.1	25.6	26.1	26.5	26.9
65°	23.8	24.4	25.0	25.6	26.2	26.7	27.3	27.8	28.3	28.9	29.4
63.75°	25.7	26.4	27.0	27.6	28.3	29.0	29.7	30.4	31.1	31.7	32.3
62.5°	27.7	28.4	29.3	30.1	30.9	31.7	32.5	33.2	33.9	34.6	35.1
61.25°	30.0	30.9	31.9	32.8	33.6	34.5	35.1	35.7	36.3	36.8	37.3
60°	32.5	33.5	34.5	35.2	35.9	36.6	37.2	37.8	38.4	39.0	39.5
58.75°	34.9	35.7	36.5	37.2	37.9	38.6	39.3	39.8	40.3	40.7	41.1
57.5°	36.8	37.6	38.4	39.2	39.8	40.4	40.9	41.4	41.9	42.3	42.8
56.25°	38.7	39.5	40.1	40.7	41.3	41.9	42.4	42.9	43.4	43.9	44.3
55°	40.3	40.9	41.6	42.2	42.8	43.4	43.9	44.4	44.9	45.4	45.9
53.75°	41.6	42.3	43.0	43.6	44.2	44.8	45.4	45.9	46.5	47.0	47.5
52.5°	43.0	43.7	44.3	45.0	45.6	46.3	46.9	47.4	48.0	48.5	49.0
51.25°	44.3	45.0	45.7	46.4	47.1	47.7	48.3	48.9	49.5	50.0	50.4
50°	45.6	46.3	47.1	47.8	48.5	49.1	49.8	50.3	50.6	51.0	51.3
48.75°	46.9	47.6	48.4	49.1	49.8	50.4	50.8	51.2	51.5	51.9	52.2
47.5°	48.1	48.9	49.7	50.3	50.8	51.2	51.6	52.0	52.3	52.4	52.5
46.25°	49.4	50.2	50.7	51.1	51.6	52.0	52.3	52.4	52.6	52.7	52.8
45°	50.4	50.9	51.5	51.9	52.3	52.4	52.6	52.7	52.9	53.1	53.3
43.75°	51.2	51.7	52.2	52.4	52.5	52.7	52.9	53.1	53.4	53.7	53.9
42.5°	51.9	52.3	52.5	52.6	52.8	53.1	53.4	53.7	54.0	54.3	54.4
41.25°	52.3	52.5	52.7	52.9	53.3	53.6	53.9	54.2	54.4	54.6	54.8
40°	52.6	52.8	53.0	53.4	53.8	54.1	54.4	54.6	54.8	54.9	55.1
38.75°	52.8	53.1	53.5	53.9	54.3	54.5	54.7	54.9	55.1	55.4	55.7
37.5°	53.2	53.6	54.0	54.4	54.6	54.8	55.0	55.3	55.6	56.0	56.3
36.25°	53.7	54.1	54.4	54.6	54.9	55.1	55.5	55.8	56.2	56.5	56.9
35°	54.1	54.4	54.7	54.9	55.2	55.6	56.0	56.4	56.7	57.1	57.4



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	54.4	54.7	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.1
32.5°	54.7	54.9	55.3	55.7	56.2	56.6	57.0	57.4	57.8	58.5	59.2
31.25°	54.9	55.3	55.7	56.2	56.6	57.1	57.5	58.0	58.8	59.6	60.3
30°	55.2	55.7	56.2	56.6	57.1	57.6	58.1	59.0	59.8	60.6	62.5
28.75°	55.6	56.1	56.6	57.1	57.6	58.2	59.1	60.0	61.0	63.2	65.2
27.5°	56.0	56.5	57.0	57.5	58.1	59.1	60.0	61.3	63.6	65.8	68.1
26.25°	56.4	56.9	57.4	58.0	59.0	60.0	61.3	63.7	66.0	69.2	75.6
25°	56.7	57.3	57.8	58.8	59.8	61.0	63.6	66.0	69.6	76.4	83.0
23.75°	57.1	57.7	58.5	59.6	60.6	63.2	65.8	69.2	76.4	83.4	90.3
22.5°	57.4	58.1	59.2	60.3	62.5	65.2	68.1	75.6	83.0	90.3	97.8
21.25°	57.8	58.8	59.9	61.6	64.4	67.2	74.0	81.7	89.4	97.4	105.2
20°	58.3	59.4	60.6	63.4	66.3	71.7	79.7	87.7	96.0	104.2	112.9
18.75°	58.9	60.1	62.1	65.1	68.5	76.9	85.2	93.7	102.4	111.0	122.2
17.5°	59.4	60.7	63.7	66.7	73.4	82.0	90.6	99.6	108.4	119.2	143.9
16.25°	60.0	62.0	65.1	69.1	78.0	86.7	95.9	105.1	115.4	135.6	181.4
15°	60.5	63.3	66.5	73.2	82.3	91.5	101.0	110.5	124.2	159.3	228.3
13.75°	61.3	64.6	67.9	77.1	86.3	96.0	105.7	116.8	141.1	198.0	283.1
12.5°	62.4	65.7	71.3	80.7	90.2	100.2	110.1	124.8	164.8	241.5	340.6
11.25°	63.4	66.8	74.4	84.0	93.8	104.0	115.2	138.7	196.5	286.7	396.4
10°	64.3	67.7	77.3	86.9	97.2	107.5	120.0	152.6	229.8	333.0	449.0
8.75°	65.1	70.0	79.8	89.7	100.2	110.7	128.5	177.3	265.0	376.5	496.5
7.5°	65.8	72.1	82.0	92.2	102.8	114.3	138.0	198.9	295.9	415.4	539.1
6.25°	66.4	73.9	83.9	94.3	105.0	117.3	146.0	219.0	326.6	449.4	575.8
5°	66.9	75.3	85.4	96.0	106.8	119.8	155.6	239.8	352.4	477.6	606.2
3.75°	67.3	76.5	86.6	97.4	108.2	122.2	167.0	256.1	372.6	499.8	628.6
2.5°	67.6	77.3	87.5	98.4	109.3	125.8	175.2	267.8	387.1	516.0	644.6
1.25°	67.7	77.8	88.0	99.0	109.9	127.9	180.1	274.9	395.9	525.8	654.2
0°	67.8	78.0	88.2	99.2	110.1	128.6	181.8	277.3	398.8	529.1	657.5
-1.25°	67.7	77.8	88.0	99.0	109.9	127.9	180.1	274.9	395.9	525.8	654.2
-2.5°	67.6	77.3	87.5	98.4	109.3	125.8	175.2	267.8	387.1	516.0	644.6
-3.75°	67.3	76.5	86.6	97.4	108.2	122.2	167.0	256.1	372.6	499.8	628.6
-5°	66.9	75.3	85.4	96.0	106.8	119.8	155.6	239.8	352.4	477.6	606.2
-6.25°	66.4	73.9	83.9	94.3	105.0	117.3	146.0	219.0	326.6	449.4	575.8
-7.5°	65.8	72.1	82.0	92.2	102.8	114.3	138.0	198.9	295.9	415.4	539.1
-8.75°	65.1	70.0	79.8	89.7	100.2	110.7	128.5	177.3	265.0	376.5	496.5
-10°	64.3	67.7	77.3	86.9	97.2	107.5	120.0	152.6	229.8	333.0	449.0
-11.25°	63.4	66.8	74.4	84.0	93.8	104.0	115.2	138.7	196.5	286.7	396.4
-12.5°	62.4	65.7	71.3	80.7	90.2	100.2	110.1	124.8	164.8	241.5	340.6
-13.75°	61.3	64.6	67.9	77.1	86.3	96.0	105.7	116.8	141.1	198.0	283.1
-15°	60.5	63.3	66.5	73.2	82.3	91.5	101.0	110.5	124.2	159.3	228.3
-16.25°	60.0	62.0	65.1	69.1	78.0	86.7	95.9	105.1	115.4	135.6	181.4
-17.5°	59.4	60.7	63.7	66.7	73.4	82.0	90.6	99.6	108.4	119.2	143.9
-18.75°	58.9	60.1	62.1	65.1	68.5	76.9	85.2	93.7	102.4	111.0	122.2
-20°	58.3	59.4	60.6	63.4	66.3	71.7	79.7	87.7	96.0	104.2	112.9
-21.25°	57.8	58.8	59.9	61.6	64.4	67.2	74.0	81.7	89.4	97.4	105.2



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CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	57.4	58.1	59.2	60.3	62.5	65.2	68.1	75.6	83.0	90.3	97.8
-23.75°	57.1	57.7	58.5	59.6	60.6	63.2	65.8	69.2	76.4	83.4	90.3
-25°	56.7	57.3	57.8	58.8	59.8	61.0	63.6	66.0	69.6	76.4	83.0
-26.25°	56.4	56.9	57.4	58.0	59.0	60.0	61.3	63.7	66.0	69.2	75.6
-27.5°	56.0	56.5	57.0	57.5	58.1	59.1	60.0	61.3	63.6	65.8	68.1
-28.75°	55.6	56.1	56.6	57.1	57.6	58.2	59.1	60.0	61.0	63.2	65.2
-30°	55.2	55.7	56.2	56.6	57.1	57.6	58.1	59.0	59.8	60.6	62.5
-31.25°	54.9	55.3	55.7	56.2	56.6	57.1	57.5	58.0	58.8	59.6	60.3
-32.5°	54.7	54.9	55.3	55.7	56.2	56.6	57.0	57.4	57.8	58.5	59.2
-33.75°	54.4	54.7	54.9	55.3	55.7	56.1	56.5	56.9	57.3	57.7	58.1
-35°	54.1	54.4	54.7	54.9	55.2	55.6	56.0	56.4	56.7	57.1	57.4
-36.25°	53.7	54.1	54.4	54.6	54.9	55.1	55.5	55.8	56.2	56.5	56.9
-37.5°	53.2	53.6	54.0	54.4	54.6	54.8	55.0	55.3	55.6	56.0	56.3
-38.75°	52.8	53.1	53.5	53.9	54.3	54.5	54.7	54.9	55.1	55.4	55.7
-40°	52.6	52.8	53.0	53.4	53.8	54.1	54.4	54.6	54.8	54.9	55.1
-41.25°	52.3	52.5	52.7	52.9	53.3	53.6	53.9	54.2	54.4	54.6	54.8
-42.5°	51.9	52.3	52.5	52.6	52.8	53.1	53.4	53.7	54.0	54.3	54.4
-43.75°	51.2	51.7	52.2	52.4	52.5	52.7	52.9	53.1	53.4	53.7	53.9
-45°	50.4	50.9	51.5	51.9	52.3	52.4	52.6	52.7	52.9	53.1	53.3
-46.25°	49.4	50.2	50.7	51.1	51.6	52.0	52.3	52.4	52.6	52.7	52.8
-47.5°	48.1	48.9	49.7	50.3	50.8	51.2	51.6	52.0	52.3	52.4	52.5
-48.75°	46.9	47.6	48.4	49.1	49.8	50.4	50.8	51.2	51.5	51.9	52.2
-50°	45.6	46.3	47.1	47.8	48.5	49.1	49.8	50.3	50.6	51.0	51.3
-51.25°	44.3	45.0	45.7	46.4	47.1	47.7	48.3	48.9	49.5	50.0	50.4
-52.5°	43.0	43.7	44.3	45.0	45.6	46.3	46.9	47.4	48.0	48.5	49.0
-53.75°	41.6	42.3	43.0	43.6	44.2	44.8	45.4	45.9	46.5	47.0	47.5
-55°	40.3	40.9	41.6	42.2	42.8	43.4	43.9	44.4	44.9	45.4	45.9
-56.25°	38.7	39.5	40.1	40.7	41.3	41.9	42.4	42.9	43.4	43.9	44.3
-57.5°	36.8	37.6	38.4	39.2	39.8	40.4	40.9	41.4	41.9	42.3	42.8
-58.75°	34.9	35.7	36.5	37.2	37.9	38.6	39.3	39.8	40.3	40.7	41.1
-60°	32.5	33.5	34.5	35.2	35.9	36.6	37.2	37.8	38.4	39.0	39.5
-61.25°	30.0	30.9	31.9	32.8	33.6	34.5	35.1	35.7	36.3	36.8	37.3
-62.5°	27.7	28.4	29.3	30.1	30.9	31.7	32.5	33.2	33.9	34.6	35.1
-63.75°	25.7	26.4	27.0	27.6	28.3	29.0	29.7	30.4	31.1	31.7	32.3
-65°	23.8	24.4	25.0	25.6	26.2	26.7	27.3	27.8	28.3	28.9	29.4
-66.25°	21.9	22.4	23.0	23.6	24.1	24.6	25.1	25.6	26.1	26.5	26.9
-67.5°	19.9	20.5	21.0	21.5	22.0	22.5	23.0	23.4	23.9	24.3	24.7
-68.75°	18.1	18.5	19.0	19.5	20.0	20.4	20.9	21.3	21.7	22.1	22.4
-70°	17.0	17.3	17.5	17.8	18.1	18.3	18.7	19.1	19.5	19.9	20.2
-71.25°	15.8	16.1	16.3	16.6	16.8	17.1	17.3	17.5	17.7	17.9	18.1
-72.5°	15.1	15.2	15.3	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8
-73.75°	14.5	14.6	14.7	14.9	15.0	15.1	15.1	15.2	15.3	15.4	15.5
-75°	13.9	14.0	14.2	14.3	14.4	14.4	14.5	14.6	14.7	14.8	14.8
-76.25°	13.0	13.2	13.3	13.4	13.6	13.7	13.8	13.9	14.0	14.1	14.2
-77.5°	12.2	12.3	12.4	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	10.9	11.1	11.3	11.4	11.6	11.8	12.0	12.1	12.2	12.2	12.3
-80°	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.7	10.8	10.9
-81.25°	8.1	8.2	8.4	8.5	8.6	8.7	8.9	9.0	9.1	9.2	9.3
-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°	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.1	5.2
-86.25°	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.8	3.9
-87.5°	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6	2.6
-88.75°	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
-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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
86.25°	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2
85°	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	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°	9.4	9.5	9.6	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.1
80°	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.8	11.8
78.75°	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8	12.9	12.9	12.9
77.5°	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0
76.25°	14.3	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.6	14.7	14.7
75°	14.9	15.0	15.0	15.1	15.2	15.2	15.3	15.3	15.3	15.4	15.4
73.75°	15.6	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.7
72.5°	17.0	17.1	17.3	17.4	17.6	17.7	17.8	17.9	18.0	18.1	18.2
71.25°	18.3	18.6	18.8	19.1	19.3	19.6	19.8	19.9	20.1	20.3	20.4
70°	20.5	20.8	21.1	21.4	21.7	21.9	22.1	22.3	22.5	22.7	22.8
68.75°	22.8	23.1	23.4	23.7	24.0	24.3	24.5	24.7	24.9	25.1	25.2
67.5°	25.1	25.4	25.7	26.1	26.3	26.6	26.9	27.1	27.3	27.5	27.7
66.25°	27.3	27.7	28.0	28.4	28.8	29.2	29.6	29.9	30.2	30.4	30.6
65°	30.0	30.5	31.0	31.4	31.9	32.3	32.6	33.0	33.3	33.6	33.8
63.75°	32.9	33.5	34.0	34.5	34.8	35.2	35.5	35.7	36.0	36.2	36.4
62.5°	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.1	38.4	38.6	38.8
61.25°	37.8	38.3	38.7	39.1	39.5	39.8	40.0	40.2	40.4	40.6	40.8
60°	39.9	40.3	40.6	40.9	41.2	41.5	41.7	42.0	42.2	42.4	42.5
58.75°	41.5	41.9	42.3	42.6	42.9	43.2	43.5	43.7	43.9	44.1	44.3
57.5°	43.2	43.6	43.9	44.3	44.6	44.9	45.1	45.4	45.6	45.8	46.0
56.25°	44.8	45.2	45.5	45.9	46.2	46.5	46.8	47.1	47.3	47.5	47.7
55°	46.3	46.8	47.2	47.5	47.9	48.2	48.5	48.8	49.0	49.2	49.4
53.75°	47.9	48.4	48.8	49.2	49.5	49.9	50.1	50.3	50.5	50.6	50.7
52.5°	49.5	50.0	50.3	50.5	50.7	51.0	51.2	51.3	51.5	51.6	51.8
51.25°	50.7	51.0	51.2	51.5	51.7	51.9	52.2	52.2	52.3	52.4	52.4
50°	51.6	51.9	52.2	52.3	52.4	52.4	52.5	52.6	52.6	52.7	52.7
48.75°	52.3	52.4	52.5	52.6	52.7	52.8	52.9	52.9	53.1	53.2	53.3
47.5°	52.6	52.7	52.8	53.0	53.1	53.3	53.5	53.6	53.7	53.9	54.0
46.25°	53.0	53.2	53.4	53.6	53.8	54.0	54.1	54.3	54.4	54.4	54.5
45°	53.6	53.8	54.0	54.2	54.4	54.5	54.6	54.7	54.8	54.8	54.9
43.75°	54.2	54.4	54.5	54.6	54.8	54.9	55.0	55.1	55.2	55.3	55.4
42.5°	54.6	54.7	54.9	55.0	55.1	55.3	55.5	55.7	55.8	56.0	56.1
41.25°	54.9	55.1	55.3	55.6	55.8	56.0	56.2	56.3	56.5	56.6	56.8
40°	55.4	55.7	55.9	56.2	56.4	56.6	56.8	57.0	57.2	57.3	57.5
38.75°	56.0	56.3	56.6	56.8	57.0	57.3	57.5	57.7	57.8	58.1	58.4
37.5°	56.6	56.9	57.2	57.4	57.7	57.9	58.4	58.8	59.1	59.4	59.7
36.25°	57.2	57.5	57.8	58.2	58.7	59.2	59.7	60.1	60.4	60.9	61.7
35°	57.8	58.3	58.9	59.4	60.0	60.5	61.3	62.4	63.4	64.3	65.1



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	58.8	59.4	60.1	60.7	62.0	63.3	64.6	65.7	66.8	67.7	70.0
32.5°	59.9	60.6	62.1	63.7	65.1	66.5	67.9	71.3	74.4	77.3	79.8
31.25°	61.6	63.4	65.1	66.7	69.1	73.2	77.1	80.7	84.0	86.9	89.7
30°	64.4	66.3	68.5	73.4	78.0	82.3	86.3	90.2	93.8	97.2	100.2
28.75°	67.2	71.7	76.9	82.0	86.7	91.5	96.0	100.2	104.0	107.5	110.7
27.5°	74.0	79.7	85.2	90.6	95.9	101.0	105.7	110.1	115.2	120.0	128.5
26.25°	81.7	87.7	93.7	99.6	105.1	110.5	116.8	124.8	138.7	152.6	177.3
25°	89.4	96.0	102.4	108.4	115.4	124.2	141.1	164.8	196.5	229.8	265.0
23.75°	97.4	104.2	111.0	119.2	135.6	159.3	198.0	241.5	286.7	333.0	376.5
22.5°	105.2	112.9	122.2	143.9	181.4	228.3	283.1	340.6	396.4	449.0	496.5
21.25°	113.5	125.4	148.9	196.3	254.1	317.7	385.1	450.0	510.9	567.5	617.9
20°	125.4	150.9	203.8	269.8	342.9	418.1	491.2	560.9	624.7	680.1	727.2
18.75°	148.9	203.8	275.1	355.6	438.4	519.3	597.4	666.3	726.9	777.9	820.1
17.5°	196.3	269.8	355.6	445.2	533.6	618.7	694.6	758.5	813.8	861.0	910.9
16.25°	254.1	342.9	438.4	533.6	625.6	708.5	777.8	837.0	895.5	954.9	1027.3
15°	317.7	418.1	519.3	618.7	708.5	784.3	848.8	917.2	994.8	1080.5	1180.0
13.75°	385.1	491.2	597.4	694.6	777.8	848.8	924.5	1015.2	1121.4	1238.5	1368.5
12.5°	450.0	560.9	666.3	758.5	837.0	917.2	1015.2	1135.2	1273.8	1425.6	1596.4
11.25°	510.9	624.7	726.9	813.8	895.5	994.8	1121.4	1273.8	1448.6	1644.6	1846.1
10°	567.5	680.1	777.9	861.0	954.9	1080.5	1238.5	1425.6	1644.6	1874.5	2107.8
8.75°	617.9	727.2	820.1	910.9	1027.3	1180.0	1368.5	1596.4	1846.1	2107.8	2366.7
7.5°	659.7	765.8	856.0	956.5	1097.2	1278.5	1501.8	1762.2	2042.2	2330.2	2620.2
6.25°	695.8	798.3	890.9	1009.4	1170.0	1374.2	1628.5	1914.5	2222.8	2536.8	2858.0
5°	723.3	822.6	921.7	1053.7	1231.6	1463.6	1745.0	2055.0	2381.8	2724.0	3068.1
3.75°	743.8	841.8	946.1	1092.6	1290.9	1542.6	1839.7	2168.0	2513.6	2878.5	3239.1
2.5°	758.7	855.6	966.4	1125.2	1334.1	1600.0	1909.5	2253.4	2615.4	2994.0	3367.2
1.25°	767.6	864.0	980.7	1145.0	1360.2	1635.0	1955.6	2305.9	2677.9	3065.4	3446.5
0°	770.6	866.8	985.5	1151.6	1369.0	1646.7	1971.0	2323.6	2699.0	3089.5	3473.4
-1.25°	767.6	864.0	980.7	1145.0	1360.2	1635.0	1955.6	2305.9	2677.9	3065.4	3446.5
-2.5°	758.7	855.6	966.4	1125.2	1334.1	1600.0	1909.5	2253.4	2615.4	2994.0	3367.2
-3.75°	743.8	841.8	946.1	1092.6	1290.9	1542.6	1839.7	2168.0	2513.6	2878.5	3239.1
-5°	723.3	822.6	921.7	1053.7	1231.6	1463.6	1745.0	2055.0	2381.8	2724.0	3068.1
-6.25°	695.8	798.3	890.9	1009.4	1170.0	1374.2	1628.5	1914.5	2222.8	2536.8	2858.0
-7.5°	659.7	765.8	856.0	956.5	1097.2	1278.5	1501.8	1762.2	2042.2	2330.2	2620.2
-8.75°	617.9	727.2	820.1	910.9	1027.3	1180.0	1368.5	1596.4	1846.1	2107.8	2366.7
-10°	567.5	680.1	777.9	861.0	954.9	1080.5	1238.5	1425.6	1644.6	1874.5	2107.8
-11.25°	510.9	624.7	726.9	813.8	895.5	994.8	1121.4	1273.8	1448.6	1644.6	1846.1
-12.5°	450.0	560.9	666.3	758.5	837.0	917.2	1015.2	1135.2	1273.8	1425.6	1596.4
-13.75°	385.1	491.2	597.4	694.6	777.8	848.8	924.5	1015.2	1121.4	1238.5	1368.5
-15°	317.7	418.1	519.3	618.7	708.5	784.3	848.8	917.2	994.8	1080.5	1180.0
-16.25°	254.1	342.9	438.4	533.6	625.6	708.5	777.8	837.0	895.5	954.9	1027.3
-17.5°	196.3	269.8	355.6	445.2	533.6	618.7	694.6	758.5	813.8	861.0	910.9
-18.75°	148.9	203.8	275.1	355.6	438.4	519.3	597.4	666.3	726.9	777.9	820.1
-20°	125.4	150.9	203.8	269.8	342.9	418.1	491.2	560.9	624.7	680.1	727.2
-21.25°	113.5	125.4	148.9	196.3	254.1	317.7	385.1	450.0	510.9	567.5	617.9



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	105.2	112.9	122.2	143.9	181.4	228.3	283.1	340.6	396.4	449.0	496.5
-23.75°	97.4	104.2	111.0	119.2	135.6	159.3	198.0	241.5	286.7	333.0	376.5
-25°	89.4	96.0	102.4	108.4	115.4	124.2	141.1	164.8	196.5	229.8	265.0
-26.25°	81.7	87.7	93.7	99.6	105.1	110.5	116.8	124.8	138.7	152.6	177.3
-27.5°	74.0	79.7	85.2	90.6	95.9	101.0	105.7	110.1	115.2	120.0	128.5
-28.75°	67.2	71.7	76.9	82.0	86.7	91.5	96.0	100.2	104.0	107.5	110.7
-30°	64.4	66.3	68.5	73.4	78.0	82.3	86.3	90.2	93.8	97.2	100.2
-31.25°	61.6	63.4	65.1	66.7	69.1	73.2	77.1	80.7	84.0	86.9	89.7
-32.5°	59.9	60.6	62.1	63.7	65.1	66.5	67.9	71.3	74.4	77.3	79.8
-33.75°	58.8	59.4	60.1	60.7	62.0	63.3	64.6	65.7	66.8	67.7	70.0
-35°	57.8	58.3	58.9	59.4	60.0	60.5	61.3	62.4	63.4	64.3	65.1
-36.25°	57.2	57.5	57.8	58.2	58.7	59.2	59.7	60.1	60.4	60.9	61.7
-37.5°	56.6	56.9	57.2	57.4	57.7	57.9	58.4	58.8	59.1	59.4	59.7
-38.75°	56.0	56.3	56.6	56.8	57.0	57.3	57.5	57.7	57.8	58.1	58.4
-40°	55.4	55.7	55.9	56.2	56.4	56.6	56.8	57.0	57.2	57.3	57.5
-41.25°	54.9	55.1	55.3	55.6	55.8	56.0	56.2	56.3	56.5	56.6	56.8
-42.5°	54.6	54.7	54.9	55.0	55.1	55.3	55.5	55.7	55.8	56.0	56.1
-43.75°	54.2	54.4	54.5	54.6	54.8	54.9	55.0	55.1	55.2	55.3	55.4
-45°	53.6	53.8	54.0	54.2	54.4	54.5	54.6	54.7	54.8	54.8	54.9
-46.25°	53.0	53.2	53.4	53.6	53.8	54.0	54.1	54.3	54.4	54.4	54.5
-47.5°	52.6	52.7	52.8	53.0	53.1	53.3	53.5	53.6	53.7	53.9	54.0
-48.75°	52.3	52.4	52.5	52.6	52.7	52.8	52.9	52.9	53.1	53.2	53.3
-50°	51.6	51.9	52.2	52.3	52.4	52.4	52.5	52.6	52.6	52.7	52.7
-51.25°	50.7	51.0	51.2	51.5	51.7	51.9	52.2	52.2	52.3	52.4	52.4
-52.5°	49.5	50.0	50.3	50.5	50.7	51.0	51.2	51.3	51.5	51.6	51.8
-53.75°	47.9	48.4	48.8	49.2	49.5	49.9	50.1	50.3	50.5	50.6	50.7
-55°	46.3	46.8	47.2	47.5	47.9	48.2	48.5	48.8	49.0	49.2	49.4
-56.25°	44.8	45.2	45.5	45.9	46.2	46.5	46.8	47.1	47.3	47.5	47.7
-57.5°	43.2	43.6	43.9	44.3	44.6	44.9	45.1	45.4	45.6	45.8	46.0
-58.75°	41.5	41.9	42.3	42.6	42.9	43.2	43.5	43.7	43.9	44.1	44.3
-60°	39.9	40.3	40.6	40.9	41.2	41.5	41.7	42.0	42.2	42.4	42.5
-61.25°	37.8	38.3	38.7	39.1	39.5	39.8	40.0	40.2	40.4	40.6	40.8
-62.5°	35.6	36.0	36.4	36.8	37.2	37.5	37.8	38.1	38.4	38.6	38.8
-63.75°	32.9	33.5	34.0	34.5	34.8	35.2	35.5	35.7	36.0	36.2	36.4
-65°	30.0	30.5	31.0	31.4	31.9	32.3	32.6	33.0	33.3	33.6	33.8
-66.25°	27.3	27.7	28.0	28.4	28.8	29.2	29.6	29.9	30.2	30.4	30.6
-67.5°	25.1	25.4	25.7	26.1	26.3	26.6	26.9	27.1	27.3	27.5	27.7
-68.75°	22.8	23.1	23.4	23.7	24.0	24.3	24.5	24.7	24.9	25.1	25.2
-70°	20.5	20.8	21.1	21.4	21.7	21.9	22.1	22.3	22.5	22.7	22.8
-71.25°	18.3	18.6	18.8	19.1	19.3	19.6	19.8	19.9	20.1	20.3	20.4
-72.5°	17.0	17.1	17.3	17.4	17.6	17.7	17.8	17.9	18.0	18.1	18.2
-73.75°	15.6	15.8	15.9	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.7
-75°	14.9	15.0	15.0	15.1	15.2	15.2	15.3	15.3	15.3	15.4	15.4
-76.25°	14.3	14.3	14.4	14.4	14.5	14.5	14.6	14.6	14.6	14.7	14.7
-77.5°	13.4	13.5	13.5	13.6	13.7	13.7	13.8	13.8	13.9	13.9	14.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8	12.9	12.9	12.9
-80°	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.7	11.8	11.8
-81.25°	9.4	9.5	9.6	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.1
-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°	5.2	5.3	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5
-86.25°	3.9	3.9	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2
-87.5°	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8
-88.75°	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
86.25°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	5.6	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°	10.1	10.2	10.2	10.2	10.2	10.2	10.3	10.2	10.2	10.2	10.2
80°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
78.75°	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.0	13.0	13.0
77.5°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
76.25°	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
75°	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
73.75°	16.8	16.8	16.9	16.9	16.9	16.9	17.0	16.9	16.9	16.9	16.9
72.5°	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
71.25°	20.5	20.6	20.7	20.8	20.8	20.8	20.9	20.8	20.8	20.8	20.7
70°	23.0	23.1	23.1	23.2	23.3	23.3	23.3	23.3	23.3	23.2	23.1
68.75°	25.4	25.5	25.6	25.7	25.7	25.7	25.8	25.7	25.7	25.7	25.6
67.5°	27.8	27.9	28.0	28.1	28.2	28.2	28.2	28.2	28.2	28.1	28.0
66.25°	30.8	31.0	31.2	31.3	31.3	31.4	31.4	31.4	31.3	31.3	31.2
65°	34.0	34.2	34.3	34.5	34.5	34.6	34.6	34.6	34.5	34.5	34.3
63.75°	36.6	36.7	36.8	36.9	37.0	37.0	37.1	37.0	37.0	36.9	36.8
62.5°	39.0	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.4	39.4	39.3
61.25°	40.9	41.0	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.2	41.1
60°	42.7	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.0	42.9
58.75°	44.4	44.6	44.7	44.7	44.8	44.8	44.9	44.8	44.8	44.7	44.7
57.5°	46.2	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.5	46.4
56.25°	47.9	48.0	48.1	48.2	48.3	48.3	48.4	48.3	48.3	48.2	48.1
55°	49.6	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.9
53.75°	50.8	50.9	51.0	51.1	51.1	51.1	51.2	51.1	51.1	51.1	51.0
52.5°	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.1	52.1
51.25°	52.4	52.5	52.5	52.5	52.5	52.5	52.6	52.5	52.5	52.5	52.5
50°	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.8
48.75°	53.4	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.5	53.5
47.5°	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.2	54.2
46.25°	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.6
45°	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.0
43.75°	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.7
42.5°	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.4	56.4
41.25°	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.1	57.1
40°	57.6	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.8
38.75°	58.6	58.8	59.0	59.1	59.2	59.3	59.3	59.3	59.2	59.1	59.0
37.5°	60.0	60.2	60.4	60.5	60.6	60.7	60.7	60.7	60.6	60.5	60.4
36.25°	62.4	62.9	63.4	63.8	64.0	64.2	64.3	64.2	64.0	63.8	63.4
35°	65.8	66.4	66.9	67.3	67.6	67.7	67.8	67.7	67.6	67.3	66.9



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	72.1	73.9	75.3	76.5	77.3	77.8	78.0	77.8	77.3	76.5	75.3
32.5°	82.0	83.9	85.4	86.6	87.5	88.0	88.2	88.0	87.5	86.6	85.4
31.25°	92.2	94.3	96.0	97.4	98.4	99.0	99.2	99.0	98.4	97.4	96.0
30°	102.8	105.0	106.8	108.2	109.3	109.9	110.1	109.9	109.3	108.2	106.8
28.75°	114.3	117.3	119.8	122.2	125.8	127.9	128.6	127.9	125.8	122.2	119.8
27.5°	138.0	146.0	155.6	167.0	175.2	180.1	181.8	180.1	175.2	167.0	155.6
26.25°	198.9	219.0	239.8	256.1	267.8	274.9	277.3	274.9	267.8	256.1	239.8
25°	295.9	326.6	352.4	372.6	387.1	395.9	398.8	395.9	387.1	372.6	352.4
23.75°	415.4	449.4	477.6	499.8	516.0	525.8	529.1	525.8	516.0	499.8	477.6
22.5°	539.1	575.8	606.2	628.6	644.6	654.2	657.5	654.2	644.6	628.6	606.2
21.25°	659.7	695.8	723.3	743.8	758.7	767.6	770.6	767.6	758.7	743.8	723.3
20°	765.8	798.3	822.6	841.8	855.6	864.0	866.8	864.0	855.6	841.8	822.6
18.75°	856.0	890.9	921.7	946.1	966.4	980.7	985.5	980.7	966.4	946.1	921.7
17.5°	956.5	1009.4	1053.7	1092.6	1125.2	1145.0	1151.6	1145.0	1125.2	1092.6	1053.7
16.25°	1097.2	1170.0	1231.6	1290.9	1334.1	1360.2	1369.0	1360.2	1334.1	1290.9	1231.6
15°	1278.5	1374.2	1463.6	1542.6	1600.0	1635.0	1646.7	1635.0	1600.0	1542.6	1463.6
13.75°	1501.8	1628.5	1745.0	1839.7	1909.5	1955.6	1971.0	1955.6	1909.5	1839.7	1745.0
12.5°	1762.2	1914.5	2055.0	2168.0	2253.4	2305.9	2323.6	2305.9	2253.4	2168.0	2055.0
11.25°	2042.2	2222.8	2381.8	2513.6	2615.4	2677.9	2699.0	2677.9	2615.4	2513.6	2381.8
10°	2330.2	2536.8	2724.0	2878.5	2994.0	3065.4	3089.5	3065.4	2994.0	2878.5	2724.0
8.75°	2620.2	2858.0	3068.1	3239.1	3367.2	3446.5	3473.4	3446.5	3367.2	3239.1	3068.1
7.5°	2904.2	3166.0	3395.4	3586.1	3729.1	3813.1	3841.9	3813.1	3729.1	3586.1	3395.4
6.25°	3166.0	3449.0	3702.7	3902.0	4045.7	4130.3	4159.5	4130.3	4045.7	3902.0	3702.7
5°	3395.4	3702.7	3963.0	4160.2	4306.8	4399.9	4432.7	4399.9	4306.8	4160.2	3963.0
3.75°	3586.1	3902.0	4160.2	4368.2	4517.1	4610.7	4641.3	4610.7	4517.1	4368.2	4160.2
2.5°	3729.1	4045.7	4306.8	4517.1	4673.7	4774.3	4802.9	4774.3	4673.7	4517.1	4306.8
1.25°	3813.1	4130.3	4399.9	4610.7	4774.3	4868.4	4906.9	4868.4	4774.3	4610.7	4399.9
0°	3841.9	4159.5	4432.7	4641.3	4802.9	4906.9	4980.4	4906.9	4802.9	4641.3	4432.7
-1.25°	3813.1	4130.3	4399.9	4610.7	4774.3	4868.4	4906.9	4868.4	4774.3	4610.7	4399.9
-2.5°	3729.1	4045.7	4306.8	4517.1	4673.7	4774.3	4802.9	4774.3	4673.7	4517.1	4306.8
-3.75°	3586.1	3902.0	4160.2	4368.2	4517.1	4610.7	4641.3	4610.7	4517.1	4368.2	4160.2
-5°	3395.4	3702.7	3963.0	4160.2	4306.8	4399.9	4432.7	4399.9	4306.8	4160.2	3963.0
-6.25°	3166.0	3449.0	3702.7	3902.0	4045.7	4130.3	4159.5	4130.3	4045.7	3902.0	3702.7
-7.5°	2904.2	3166.0	3395.4	3586.1	3729.1	3813.1	3841.9	3813.1	3729.1	3586.1	3395.4
-8.75°	2620.2	2858.0	3068.1	3239.1	3367.2	3446.5	3473.4	3446.5	3367.2	3239.1	3068.1
-10°	2330.2	2536.8	2724.0	2878.5	2994.0	3065.4	3089.5	3065.4	2994.0	2878.5	2724.0
-11.25°	2042.2	2222.8	2381.8	2513.6	2615.4	2677.9	2699.0	2677.9	2615.4	2513.6	2381.8
-12.5°	1762.2	1914.5	2055.0	2168.0	2253.4	2305.9	2323.6	2305.9	2253.4	2168.0	2055.0
-13.75°	1501.8	1628.5	1745.0	1839.7	1909.5	1955.6	1971.0	1955.6	1909.5	1839.7	1745.0
-15°	1278.5	1374.2	1463.6	1542.6	1600.0	1635.0	1646.7	1635.0	1600.0	1542.6	1463.6
-16.25°	1097.2	1170.0	1231.6	1290.9	1334.1	1360.2	1369.0	1360.2	1334.1	1290.9	1231.6
-17.5°	956.5	1009.4	1053.7	1092.6	1125.2	1145.0	1151.6	1145.0	1125.2	1092.6	1053.7
-18.75°	856.0	890.9	921.7	946.1	966.4	980.7	985.5	980.7	966.4	946.1	921.7
-20°	765.8	798.3	822.6	841.8	855.6	864.0	866.8	864.0	855.6	841.8	822.6
-21.25°	659.7	695.8	723.3	743.8	758.7	767.6	770.6	767.6	758.7	743.8	723.3



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	539.1	575.8	606.2	628.6	644.6	654.2	657.5	654.2	644.6	628.6	606.2
-23.75°	415.4	449.4	477.6	499.8	516.0	525.8	529.1	525.8	516.0	499.8	477.6
-25°	295.9	326.6	352.4	372.6	387.1	395.9	398.8	395.9	387.1	372.6	352.4
-26.25°	198.9	219.0	239.8	256.1	267.8	274.9	277.3	274.9	267.8	256.1	239.8
-27.5°	138.0	146.0	155.6	167.0	175.2	180.1	181.8	180.1	175.2	167.0	155.6
-28.75°	114.3	117.3	119.8	122.2	125.8	127.9	128.6	127.9	125.8	122.2	119.8
-30°	102.8	105.0	106.8	108.2	109.3	109.9	110.1	109.9	109.3	108.2	106.8
-31.25°	92.2	94.3	96.0	97.4	98.4	99.0	99.2	99.0	98.4	97.4	96.0
-32.5°	82.0	83.9	85.4	86.6	87.5	88.0	88.2	88.0	87.5	86.6	85.4
-33.75°	72.1	73.9	75.3	76.5	77.3	77.8	78.0	77.8	77.3	76.5	75.3
-35°	65.8	66.4	66.9	67.3	67.6	67.7	67.8	67.7	67.6	67.3	66.9
-36.25°	62.4	62.9	63.4	63.8	64.0	64.2	64.3	64.2	64.0	63.8	63.4
-37.5°	60.0	60.2	60.4	60.5	60.6	60.7	60.7	60.7	60.6	60.5	60.4
-38.75°	58.6	58.8	59.0	59.1	59.2	59.3	59.3	59.3	59.2	59.1	59.0
-40°	57.6	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.8	57.8
-41.25°	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.1	57.1
-42.5°	56.2	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.4	56.4
-43.75°	55.5	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.7	55.7
-45°	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.0
-46.25°	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.6
-47.5°	54.0	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.2	54.2
-48.75°	53.4	53.4	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.5	53.5
-50°	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.8
-51.25°	52.4	52.5	52.5	52.5	52.5	52.5	52.6	52.5	52.5	52.5	52.5
-52.5°	51.9	52.0	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.1	52.1
-53.75°	50.8	50.9	51.0	51.1	51.1	51.1	51.2	51.1	51.1	51.1	51.0
-55°	49.6	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.0	50.0	49.9
-56.25°	47.9	48.0	48.1	48.2	48.3	48.3	48.4	48.3	48.3	48.2	48.1
-57.5°	46.2	46.3	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.5	46.4
-58.75°	44.4	44.6	44.7	44.7	44.8	44.8	44.9	44.8	44.8	44.7	44.7
-60°	42.7	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.0	42.9
-61.25°	40.9	41.0	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.2	41.1
-62.5°	39.0	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.4	39.4	39.3
-63.75°	36.6	36.7	36.8	36.9	37.0	37.0	37.1	37.0	37.0	36.9	36.8
-65°	34.0	34.2	34.3	34.5	34.5	34.6	34.6	34.6	34.5	34.5	34.3
-66.25°	30.8	31.0	31.2	31.3	31.3	31.4	31.4	31.4	31.3	31.3	31.2
-67.5°	27.8	27.9	28.0	28.1	28.2	28.2	28.2	28.2	28.2	28.1	28.0
-68.75°	25.4	25.5	25.6	25.7	25.7	25.7	25.8	25.7	25.7	25.7	25.6
-70°	23.0	23.1	23.1	23.2	23.3	23.3	23.3	23.3	23.3	23.2	23.1
-71.25°	20.5	20.6	20.7	20.8	20.8	20.8	20.9	20.8	20.8	20.8	20.7
-72.5°	18.2	18.3	18.3	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.3
-73.75°	16.8	16.8	16.9	16.9	16.9	16.9	17.0	16.9	16.9	16.9	16.9
-75°	15.4	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
-76.25°	14.7	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
-77.5°	14.0	14.0	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	13.0	13.0	13.0	13.0	13.0	13.0	13.1	13.0	13.0	13.0	13.0
-80°	11.9	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-81.25°	10.1	10.2	10.2	10.2	10.2	10.2	10.3	10.2	10.2	10.2	10.2
-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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
-86.25°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
-87.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-88.75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
87.5°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
86.25°	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
85°	5.6	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
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°	10.2	10.1	10.1	10.1	10.0	10.0	9.9	9.8	9.8	9.7	9.6
80°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.3	11.2
78.75°	13.0	13.0	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5
77.5°	14.0	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5
76.25°	14.8	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.4
75°	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.2	15.2	15.1	15.0
73.75°	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.1	15.9
72.5°	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.4	17.3
71.25°	20.6	20.5	20.4	20.3	20.1	19.9	19.8	19.6	19.3	19.1	18.8
70°	23.1	23.0	22.8	22.7	22.5	22.3	22.1	21.9	21.7	21.4	21.1
68.75°	25.5	25.4	25.2	25.1	24.9	24.7	24.5	24.3	24.0	23.7	23.4
67.5°	27.9	27.8	27.7	27.5	27.3	27.1	26.9	26.6	26.3	26.1	25.7
66.25°	31.0	30.8	30.6	30.4	30.2	29.9	29.6	29.2	28.8	28.4	28.0
65°	34.2	34.0	33.8	33.6	33.3	33.0	32.6	32.3	31.9	31.4	31.0
63.75°	36.7	36.6	36.4	36.2	36.0	35.7	35.5	35.2	34.8	34.5	34.0
62.5°	39.2	39.0	38.8	38.6	38.4	38.1	37.8	37.5	37.2	36.8	36.4
61.25°	41.0	40.9	40.8	40.6	40.4	40.2	40.0	39.8	39.5	39.1	38.7
60°	42.8	42.7	42.5	42.4	42.2	42.0	41.7	41.5	41.2	40.9	40.6
58.75°	44.6	44.4	44.3	44.1	43.9	43.7	43.5	43.2	42.9	42.6	42.3
57.5°	46.3	46.2	46.0	45.8	45.6	45.4	45.1	44.9	44.6	44.3	43.9
56.25°	48.0	47.9	47.7	47.5	47.3	47.1	46.8	46.5	46.2	45.9	45.5
55°	49.8	49.6	49.4	49.2	49.0	48.8	48.5	48.2	47.9	47.5	47.2
53.75°	50.9	50.8	50.7	50.6	50.5	50.3	50.1	49.9	49.5	49.2	48.8
52.5°	52.0	51.9	51.8	51.6	51.5	51.3	51.2	51.0	50.7	50.5	50.3
51.25°	52.5	52.4	52.4	52.4	52.3	52.2	52.2	51.9	51.7	51.5	51.2
50°	52.8	52.8	52.7	52.7	52.6	52.6	52.5	52.4	52.4	52.3	52.2
48.75°	53.4	53.4	53.3	53.2	53.1	52.9	52.9	52.8	52.7	52.6	52.5
47.5°	54.1	54.0	54.0	53.9	53.7	53.6	53.5	53.3	53.1	53.0	52.8
46.25°	54.6	54.6	54.5	54.4	54.4	54.3	54.1	54.0	53.8	53.6	53.4
45°	55.0	54.9	54.9	54.8	54.8	54.7	54.6	54.5	54.4	54.2	54.0
43.75°	55.6	55.5	55.4	55.3	55.2	55.1	55.0	54.9	54.8	54.6	54.5
42.5°	56.3	56.2	56.1	56.0	55.8	55.7	55.5	55.3	55.1	55.0	54.9
41.25°	57.0	56.9	56.8	56.6	56.5	56.3	56.2	56.0	55.8	55.6	55.3
40°	57.7	57.6	57.5	57.3	57.2	57.0	56.8	56.6	56.4	56.2	55.9
38.75°	58.8	58.6	58.4	58.1	57.8	57.7	57.5	57.3	57.0	56.8	56.6
37.5°	60.2	60.0	59.7	59.4	59.1	58.8	58.4	57.9	57.7	57.4	57.2
36.25°	62.9	62.4	61.7	60.9	60.4	60.1	59.7	59.2	58.7	58.2	57.8
35°	66.4	65.8	65.1	64.3	63.4	62.4	61.3	60.5	60.0	59.4	58.9



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	73.9	72.1	70.0	67.7	66.8	65.7	64.6	63.3	62.0	60.7	60.1
32.5°	83.9	82.0	79.8	77.3	74.4	71.3	67.9	66.5	65.1	63.7	62.1
31.25°	94.3	92.2	89.7	86.9	84.0	80.7	77.1	73.2	69.1	66.7	65.1
30°	105.0	102.8	100.2	97.2	93.8	90.2	86.3	82.3	78.0	73.4	68.5
28.75°	117.3	114.3	110.7	107.5	104.0	100.2	96.0	91.5	86.7	82.0	76.9
27.5°	146.0	138.0	128.5	120.0	115.2	110.1	105.7	101.0	95.9	90.6	85.2
26.25°	219.0	198.9	177.3	152.6	138.7	124.8	116.8	110.5	105.1	99.6	93.7
25°	326.6	295.9	265.0	229.8	196.5	164.8	141.1	124.2	115.4	108.4	102.4
23.75°	449.4	415.4	376.5	333.0	286.7	241.5	198.0	159.3	135.6	119.2	111.0
22.5°	575.8	539.1	496.5	449.0	396.4	340.6	283.1	228.3	181.4	143.9	122.2
21.25°	695.8	659.7	617.9	567.5	510.9	450.0	385.1	317.7	254.1	196.3	148.9
20°	798.3	765.8	727.2	680.1	624.7	560.9	491.2	418.1	342.9	269.8	203.8
18.75°	890.9	856.0	820.1	777.9	726.9	666.3	597.4	519.3	438.4	355.6	275.1
17.5°	1009.4	956.5	910.9	861.0	813.8	758.5	694.6	618.7	533.6	445.2	355.6
16.25°	1170.0	1097.2	1027.3	954.9	895.5	837.0	777.8	708.5	625.6	533.6	438.4
15°	1374.2	1278.5	1180.0	1080.5	994.8	917.2	848.8	784.3	708.5	618.7	519.3
13.75°	1628.5	1501.8	1368.5	1238.5	1121.4	1015.2	924.5	848.8	777.8	694.6	597.4
12.5°	1914.5	1762.2	1596.4	1425.6	1273.8	1135.2	1015.2	917.2	837.0	758.5	666.3
11.25°	2222.8	2042.2	1846.1	1644.6	1448.6	1273.8	1121.4	994.8	895.5	813.8	726.9
10°	2536.8	2330.2	2107.8	1874.5	1644.6	1425.6	1238.5	1080.5	954.9	861.0	777.9
8.75°	2858.0	2620.2	2366.7	2107.8	1846.1	1596.4	1368.5	1180.0	1027.3	910.9	820.1
7.5°	3166.0	2904.2	2620.2	2330.2	2042.2	1762.2	1501.8	1278.5	1097.2	956.5	856.0
6.25°	3449.0	3166.0	2858.0	2536.8	2222.8	1914.5	1628.5	1374.2	1170.0	1009.4	890.9
5°	3702.7	3395.4	3068.1	2724.0	2381.8	2055.0	1745.0	1463.6	1231.6	1053.7	921.7
3.75°	3902.0	3586.1	3239.1	2878.5	2513.6	2168.0	1839.7	1542.6	1290.9	1092.6	946.1
2.5°	4045.7	3729.1	3367.2	2994.0	2615.4	2253.4	1909.5	1600.0	1334.1	1125.2	966.4
1.25°	4130.3	3813.1	3446.5	3065.4	2677.9	2305.9	1955.6	1635.0	1360.2	1145.0	980.7
0°	4159.5	3841.9	3473.4	3089.5	2699.0	2323.6	1971.0	1646.7	1369.0	1151.6	985.5
-1.25°	4130.3	3813.1	3446.5	3065.4	2677.9	2305.9	1955.6	1635.0	1360.2	1145.0	980.7
-2.5°	4045.7	3729.1	3367.2	2994.0	2615.4	2253.4	1909.5	1600.0	1334.1	1125.2	966.4
-3.75°	3902.0	3586.1	3239.1	2878.5	2513.6	2168.0	1839.7	1542.6	1290.9	1092.6	946.1
-5°	3702.7	3395.4	3068.1	2724.0	2381.8	2055.0	1745.0	1463.6	1231.6	1053.7	921.7
-6.25°	3449.0	3166.0	2858.0	2536.8	2222.8	1914.5	1628.5	1374.2	1170.0	1009.4	890.9
-7.5°	3166.0	2904.2	2620.2	2330.2	2042.2	1762.2	1501.8	1278.5	1097.2	956.5	856.0
-8.75°	2858.0	2620.2	2366.7	2107.8	1846.1	1596.4	1368.5	1180.0	1027.3	910.9	820.1
-10°	2536.8	2330.2	2107.8	1874.5	1644.6	1425.6	1238.5	1080.5	954.9	861.0	777.9
-11.25°	2222.8	2042.2	1846.1	1644.6	1448.6	1273.8	1121.4	994.8	895.5	813.8	726.9
-12.5°	1914.5	1762.2	1596.4	1425.6	1273.8	1135.2	1015.2	917.2	837.0	758.5	666.3
-13.75°	1628.5	1501.8	1368.5	1238.5	1121.4	1015.2	924.5	848.8	777.8	694.6	597.4
-15°	1374.2	1278.5	1180.0	1080.5	994.8	917.2	848.8	784.3	708.5	618.7	519.3
-16.25°	1170.0	1097.2	1027.3	954.9	895.5	837.0	777.8	708.5	625.6	533.6	438.4
-17.5°	1009.4	956.5	910.9	861.0	813.8	758.5	694.6	618.7	533.6	445.2	355.6
-18.75°	890.9	856.0	820.1	777.9	726.9	666.3	597.4	519.3	438.4	355.6	275.1
-20°	798.3	765.8	727.2	680.1	624.7	560.9	491.2	418.1	342.9	269.8	203.8
-21.25°	695.8	659.7	617.9	567.5	510.9	450.0	385.1	317.7	254.1	196.3	148.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	575.8	539.1	496.5	449.0	396.4	340.6	283.1	228.3	181.4	143.9	122.2
-23.75°	449.4	415.4	376.5	333.0	286.7	241.5	198.0	159.3	135.6	119.2	111.0
-25°	326.6	295.9	265.0	229.8	196.5	164.8	141.1	124.2	115.4	108.4	102.4
-26.25°	219.0	198.9	177.3	152.6	138.7	124.8	116.8	110.5	105.1	99.6	93.7
-27.5°	146.0	138.0	128.5	120.0	115.2	110.1	105.7	101.0	95.9	90.6	85.2
-28.75°	117.3	114.3	110.7	107.5	104.0	100.2	96.0	91.5	86.7	82.0	76.9
-30°	105.0	102.8	100.2	97.2	93.8	90.2	86.3	82.3	78.0	73.4	68.5
-31.25°	94.3	92.2	89.7	86.9	84.0	80.7	77.1	73.2	69.1	66.7	65.1
-32.5°	83.9	82.0	79.8	77.3	74.4	71.3	67.9	66.5	65.1	63.7	62.1
-33.75°	73.9	72.1	70.0	67.7	66.8	65.7	64.6	63.3	62.0	60.7	60.1
-35°	66.4	65.8	65.1	64.3	63.4	62.4	61.3	60.5	60.0	59.4	58.9
-36.25°	62.9	62.4	61.7	60.9	60.4	60.1	59.7	59.2	58.7	58.2	57.8
-37.5°	60.2	60.0	59.7	59.4	59.1	58.8	58.4	57.9	57.7	57.4	57.2
-38.75°	58.8	58.6	58.4	58.1	57.8	57.7	57.5	57.3	57.0	56.8	56.6
-40°	57.7	57.6	57.5	57.3	57.2	57.0	56.8	56.6	56.4	56.2	55.9
-41.25°	57.0	56.9	56.8	56.6	56.5	56.3	56.2	56.0	55.8	55.6	55.3
-42.5°	56.3	56.2	56.1	56.0	55.8	55.7	55.5	55.3	55.1	55.0	54.9
-43.75°	55.6	55.5	55.4	55.3	55.2	55.1	55.0	54.9	54.8	54.6	54.5
-45°	55.0	54.9	54.9	54.8	54.8	54.7	54.6	54.5	54.4	54.2	54.0
-46.25°	54.6	54.6	54.5	54.4	54.4	54.3	54.1	54.0	53.8	53.6	53.4
-47.5°	54.1	54.0	54.0	53.9	53.7	53.6	53.5	53.3	53.1	53.0	52.8
-48.75°	53.4	53.4	53.3	53.2	53.1	52.9	52.9	52.8	52.7	52.6	52.5
-50°	52.8	52.8	52.7	52.7	52.6	52.6	52.5	52.4	52.4	52.3	52.2
-51.25°	52.5	52.4	52.4	52.4	52.3	52.2	52.2	51.9	51.7	51.5	51.2
-52.5°	52.0	51.9	51.8	51.6	51.5	51.3	51.2	51.0	50.7	50.5	50.3
-53.75°	50.9	50.8	50.7	50.6	50.5	50.3	50.1	49.9	49.5	49.2	48.8
-55°	49.8	49.6	49.4	49.2	49.0	48.8	48.5	48.2	47.9	47.5	47.2
-56.25°	48.0	47.9	47.7	47.5	47.3	47.1	46.8	46.5	46.2	45.9	45.5
-57.5°	46.3	46.2	46.0	45.8	45.6	45.4	45.1	44.9	44.6	44.3	43.9
-58.75°	44.6	44.4	44.3	44.1	43.9	43.7	43.5	43.2	42.9	42.6	42.3
-60°	42.8	42.7	42.5	42.4	42.2	42.0	41.7	41.5	41.2	40.9	40.6
-61.25°	41.0	40.9	40.8	40.6	40.4	40.2	40.0	39.8	39.5	39.1	38.7
-62.5°	39.2	39.0	38.8	38.6	38.4	38.1	37.8	37.5	37.2	36.8	36.4
-63.75°	36.7	36.6	36.4	36.2	36.0	35.7	35.5	35.2	34.8	34.5	34.0
-65°	34.2	34.0	33.8	33.6	33.3	33.0	32.6	32.3	31.9	31.4	31.0
-66.25°	31.0	30.8	30.6	30.4	30.2	29.9	29.6	29.2	28.8	28.4	28.0
-67.5°	27.9	27.8	27.7	27.5	27.3	27.1	26.9	26.6	26.3	26.1	25.7
-68.75°	25.5	25.4	25.2	25.1	24.9	24.7	24.5	24.3	24.0	23.7	23.4
-70°	23.1	23.0	22.8	22.7	22.5	22.3	22.1	21.9	21.7	21.4	21.1
-71.25°	20.6	20.5	20.4	20.3	20.1	19.9	19.8	19.6	19.3	19.1	18.8
-72.5°	18.3	18.2	18.2	18.1	18.0	17.9	17.8	17.7	17.6	17.4	17.3
-73.75°	16.8	16.8	16.7	16.7	16.6	16.5	16.4	16.3	16.2	16.1	15.9
-75°	15.4	15.4	15.4	15.4	15.3	15.3	15.3	15.2	15.2	15.1	15.0
-76.25°	14.8	14.7	14.7	14.7	14.6	14.6	14.6	14.5	14.5	14.4	14.4
-77.5°	14.0	14.0	14.0	13.9	13.9	13.8	13.8	13.7	13.7	13.6	13.5



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	13.0	13.0	12.9	12.9	12.9	12.8	12.8	12.7	12.7	12.6	12.5
-80°	11.9	11.9	11.8	11.8	11.7	11.7	11.6	11.5	11.4	11.3	11.2
-81.25°	10.2	10.1	10.1	10.1	10.0	10.0	9.9	9.8	9.8	9.7	9.6
-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	5.6	5.5	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.3
-86.25°	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0
-87.5°	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
-88.75°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
-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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
87.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
86.25°	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5
85°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
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°	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.7	8.6	8.5	8.4
80°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0	9.8
78.75°	12.5	12.4	12.3	12.2	12.2	12.1	12.0	11.8	11.6	11.4	11.3
77.5°	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.4
76.25°	14.3	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.4	13.3
75°	15.0	14.9	14.8	14.8	14.7	14.6	14.5	14.4	14.4	14.3	14.2
73.75°	15.8	15.6	15.5	15.4	15.3	15.2	15.1	15.1	15.0	14.9	14.7
72.5°	17.1	17.0	16.8	16.6	16.4	16.2	16.0	15.8	15.6	15.4	15.3
71.25°	18.6	18.3	18.1	17.9	17.7	17.5	17.3	17.1	16.8	16.6	16.3
70°	20.8	20.5	20.2	19.9	19.5	19.1	18.7	18.3	18.1	17.8	17.5
68.75°	23.1	22.8	22.4	22.1	21.7	21.3	20.9	20.4	20.0	19.5	19.0
67.5°	25.4	25.1	24.7	24.3	23.9	23.4	23.0	22.5	22.0	21.5	21.0
66.25°	27.7	27.3	26.9	26.5	26.1	25.6	25.1	24.6	24.1	23.6	23.0
65°	30.5	30.0	29.4	28.9	28.3	27.8	27.3	26.7	26.2	25.6	25.0
63.75°	33.5	32.9	32.3	31.7	31.1	30.4	29.7	29.0	28.3	27.6	27.0
62.5°	36.0	35.6	35.1	34.6	33.9	33.2	32.5	31.7	30.9	30.1	29.3
61.25°	38.3	37.8	37.3	36.8	36.3	35.7	35.1	34.5	33.6	32.8	31.9
60°	40.3	39.9	39.5	39.0	38.4	37.8	37.2	36.6	35.9	35.2	34.5
58.75°	41.9	41.5	41.1	40.7	40.3	39.8	39.3	38.6	37.9	37.2	36.5
57.5°	43.6	43.2	42.8	42.3	41.9	41.4	40.9	40.4	39.8	39.2	38.4
56.25°	45.2	44.8	44.3	43.9	43.4	42.9	42.4	41.9	41.3	40.7	40.1
55°	46.8	46.3	45.9	45.4	44.9	44.4	43.9	43.4	42.8	42.2	41.6
53.75°	48.4	47.9	47.5	47.0	46.5	45.9	45.4	44.8	44.2	43.6	43.0
52.5°	50.0	49.5	49.0	48.5	48.0	47.4	46.9	46.3	45.6	45.0	44.3
51.25°	51.0	50.7	50.4	50.0	49.5	48.9	48.3	47.7	47.1	46.4	45.7
50°	51.9	51.6	51.3	51.0	50.6	50.3	49.8	49.1	48.5	47.8	47.1
48.75°	52.4	52.3	52.2	51.9	51.5	51.2	50.8	50.4	49.8	49.1	48.4
47.5°	52.7	52.6	52.5	52.4	52.3	52.0	51.6	51.2	50.8	50.3	49.7
46.25°	53.2	53.0	52.8	52.7	52.6	52.4	52.3	52.0	51.6	51.1	50.7
45°	53.8	53.6	53.3	53.1	52.9	52.7	52.6	52.4	52.3	51.9	51.5
43.75°	54.4	54.2	53.9	53.7	53.4	53.1	52.9	52.7	52.5	52.4	52.2
42.5°	54.7	54.6	54.4	54.3	54.0	53.7	53.4	53.1	52.8	52.6	52.5
41.25°	55.1	54.9	54.8	54.6	54.4	54.2	53.9	53.6	53.3	52.9	52.7
40°	55.7	55.4	55.1	54.9	54.8	54.6	54.4	54.1	53.8	53.4	53.0
38.75°	56.3	56.0	55.7	55.4	55.1	54.9	54.7	54.5	54.3	53.9	53.5
37.5°	56.9	56.6	56.3	56.0	55.6	55.3	55.0	54.8	54.6	54.4	54.0
36.25°	57.5	57.2	56.9	56.5	56.2	55.8	55.5	55.1	54.9	54.6	54.4
35°	58.3	57.8	57.4	57.1	56.7	56.4	56.0	55.6	55.2	54.9	54.7



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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°	59.4	58.8	58.1	57.7	57.3	56.9	56.5	56.1	55.7	55.3	54.9
32.5°	60.6	59.9	59.2	58.5	57.8	57.4	57.0	56.6	56.2	55.7	55.3
31.25°	63.4	61.6	60.3	59.6	58.8	58.0	57.5	57.1	56.6	56.2	55.7
30°	66.3	64.4	62.5	60.6	59.8	59.0	58.1	57.6	57.1	56.6	56.2
28.75°	71.7	67.2	65.2	63.2	61.0	60.0	59.1	58.2	57.6	57.1	56.6
27.5°	79.7	74.0	68.1	65.8	63.6	61.3	60.0	59.1	58.1	57.5	57.0
26.25°	87.7	81.7	75.6	69.2	66.0	63.7	61.3	60.0	59.0	58.0	57.4
25°	96.0	89.4	83.0	76.4	69.6	66.0	63.6	61.0	59.8	58.8	57.8
23.75°	104.2	97.4	90.3	83.4	76.4	69.2	65.8	63.2	60.6	59.6	58.5
22.5°	112.9	105.2	97.8	90.3	83.0	75.6	68.1	65.2	62.5	60.3	59.2
21.25°	125.4	113.5	105.2	97.4	89.4	81.7	74.0	67.2	64.4	61.6	59.9
20°	150.9	125.4	112.9	104.2	96.0	87.7	79.7	71.7	66.3	63.4	60.6
18.75°	203.8	148.9	122.2	111.0	102.4	93.7	85.2	76.9	68.5	65.1	62.1
17.5°	269.8	196.3	143.9	119.2	108.4	99.6	90.6	82.0	73.4	66.7	63.7
16.25°	342.9	254.1	181.4	135.6	115.4	105.1	95.9	86.7	78.0	69.1	65.1
15°	418.1	317.7	228.3	159.3	124.2	110.5	101.0	91.5	82.3	73.2	66.5
13.75°	491.2	385.1	283.1	198.0	141.1	116.8	105.7	96.0	86.3	77.1	67.9
12.5°	560.9	450.0	340.6	241.5	164.8	124.8	110.1	100.2	90.2	80.7	71.3
11.25°	624.7	510.9	396.4	286.7	196.5	138.7	115.2	104.0	93.8	84.0	74.4
10°	680.1	567.5	449.0	333.0	229.8	152.6	120.0	107.5	97.2	86.9	77.3
8.75°	727.2	617.9	496.5	376.5	265.0	177.3	128.5	110.7	100.2	89.7	79.8
7.5°	765.8	659.7	539.1	415.4	295.9	198.9	138.0	114.3	102.8	92.2	82.0
6.25°	798.3	695.8	575.8	449.4	326.6	219.0	146.0	117.3	105.0	94.3	83.9
5°	822.6	723.3	606.2	477.6	352.4	239.8	155.6	119.8	106.8	96.0	85.4
3.75°	841.8	743.8	628.6	499.8	372.6	256.1	167.0	122.2	108.2	97.4	86.6
2.5°	855.6	758.7	644.6	516.0	387.1	267.8	175.2	125.8	109.3	98.4	87.5
1.25°	864.0	767.6	654.2	525.8	395.9	274.9	180.1	127.9	109.9	99.0	88.0
0°	866.8	770.6	657.5	529.1	398.8	277.3	181.8	128.6	110.1	99.2	88.2
-1.25°	864.0	767.6	654.2	525.8	395.9	274.9	180.1	127.9	109.9	99.0	88.0
-2.5°	855.6	758.7	644.6	516.0	387.1	267.8	175.2	125.8	109.3	98.4	87.5
-3.75°	841.8	743.8	628.6	499.8	372.6	256.1	167.0	122.2	108.2	97.4	86.6
-5°	822.6	723.3	606.2	477.6	352.4	239.8	155.6	119.8	106.8	96.0	85.4
-6.25°	798.3	695.8	575.8	449.4	326.6	219.0	146.0	117.3	105.0	94.3	83.9
-7.5°	765.8	659.7	539.1	415.4	295.9	198.9	138.0	114.3	102.8	92.2	82.0
-8.75°	727.2	617.9	496.5	376.5	265.0	177.3	128.5	110.7	100.2	89.7	79.8
-10°	680.1	567.5	449.0	333.0	229.8	152.6	120.0	107.5	97.2	86.9	77.3
-11.25°	624.7	510.9	396.4	286.7	196.5	138.7	115.2	104.0	93.8	84.0	74.4
-12.5°	560.9	450.0	340.6	241.5	164.8	124.8	110.1	100.2	90.2	80.7	71.3
-13.75°	491.2	385.1	283.1	198.0	141.1	116.8	105.7	96.0	86.3	77.1	67.9
-15°	418.1	317.7	228.3	159.3	124.2	110.5	101.0	91.5	82.3	73.2	66.5
-16.25°	342.9	254.1	181.4	135.6	115.4	105.1	95.9	86.7	78.0	69.1	65.1
-17.5°	269.8	196.3	143.9	119.2	108.4	99.6	90.6	82.0	73.4	66.7	63.7
-18.75°	203.8	148.9	122.2	111.0	102.4	93.7	85.2	76.9	68.5	65.1	62.1
-20°	150.9	125.4	112.9	104.2	96.0	87.7	79.7	71.7	66.3	63.4	60.6
-21.25°	125.4	113.5	105.2	97.4	89.4	81.7	74.0	67.2	64.4	61.6	59.9



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	112.9	105.2	97.8	90.3	83.0	75.6	68.1	65.2	62.5	60.3	59.2
-23.75°	104.2	97.4	90.3	83.4	76.4	69.2	65.8	63.2	60.6	59.6	58.5
-25°	96.0	89.4	83.0	76.4	69.6	66.0	63.6	61.0	59.8	58.8	57.8
-26.25°	87.7	81.7	75.6	69.2	66.0	63.7	61.3	60.0	59.0	58.0	57.4
-27.5°	79.7	74.0	68.1	65.8	63.6	61.3	60.0	59.1	58.1	57.5	57.0
-28.75°	71.7	67.2	65.2	63.2	61.0	60.0	59.1	58.2	57.6	57.1	56.6
-30°	66.3	64.4	62.5	60.6	59.8	59.0	58.1	57.6	57.1	56.6	56.2
-31.25°	63.4	61.6	60.3	59.6	58.8	58.0	57.5	57.1	56.6	56.2	55.7
-32.5°	60.6	59.9	59.2	58.5	57.8	57.4	57.0	56.6	56.2	55.7	55.3
-33.75°	59.4	58.8	58.1	57.7	57.3	56.9	56.5	56.1	55.7	55.3	54.9
-35°	58.3	57.8	57.4	57.1	56.7	56.4	56.0	55.6	55.2	54.9	54.7
-36.25°	57.5	57.2	56.9	56.5	56.2	55.8	55.5	55.1	54.9	54.6	54.4
-37.5°	56.9	56.6	56.3	56.0	55.6	55.3	55.0	54.8	54.6	54.4	54.0
-38.75°	56.3	56.0	55.7	55.4	55.1	54.9	54.7	54.5	54.3	53.9	53.5
-40°	55.7	55.4	55.1	54.9	54.8	54.6	54.4	54.1	53.8	53.4	53.0
-41.25°	55.1	54.9	54.8	54.6	54.4	54.2	53.9	53.6	53.3	52.9	52.7
-42.5°	54.7	54.6	54.4	54.3	54.0	53.7	53.4	53.1	52.8	52.6	52.5
-43.75°	54.4	54.2	53.9	53.7	53.4	53.1	52.9	52.7	52.5	52.4	52.2
-45°	53.8	53.6	53.3	53.1	52.9	52.7	52.6	52.4	52.3	51.9	51.5
-46.25°	53.2	53.0	52.8	52.7	52.6	52.4	52.3	52.0	51.6	51.1	50.7
-47.5°	52.7	52.6	52.5	52.4	52.3	52.0	51.6	51.2	50.8	50.3	49.7
-48.75°	52.4	52.3	52.2	51.9	51.5	51.2	50.8	50.4	49.8	49.1	48.4
-50°	51.9	51.6	51.3	51.0	50.6	50.3	49.8	49.1	48.5	47.8	47.1
-51.25°	51.0	50.7	50.4	50.0	49.5	48.9	48.3	47.7	47.1	46.4	45.7
-52.5°	50.0	49.5	49.0	48.5	48.0	47.4	46.9	46.3	45.6	45.0	44.3
-53.75°	48.4	47.9	47.5	47.0	46.5	45.9	45.4	44.8	44.2	43.6	43.0
-55°	46.8	46.3	45.9	45.4	44.9	44.4	43.9	43.4	42.8	42.2	41.6
-56.25°	45.2	44.8	44.3	43.9	43.4	42.9	42.4	41.9	41.3	40.7	40.1
-57.5°	43.6	43.2	42.8	42.3	41.9	41.4	40.9	40.4	39.8	39.2	38.4
-58.75°	41.9	41.5	41.1	40.7	40.3	39.8	39.3	38.6	37.9	37.2	36.5
-60°	40.3	39.9	39.5	39.0	38.4	37.8	37.2	36.6	35.9	35.2	34.5
-61.25°	38.3	37.8	37.3	36.8	36.3	35.7	35.1	34.5	33.6	32.8	31.9
-62.5°	36.0	35.6	35.1	34.6	33.9	33.2	32.5	31.7	30.9	30.1	29.3
-63.75°	33.5	32.9	32.3	31.7	31.1	30.4	29.7	29.0	28.3	27.6	27.0
-65°	30.5	30.0	29.4	28.9	28.3	27.8	27.3	26.7	26.2	25.6	25.0
-66.25°	27.7	27.3	26.9	26.5	26.1	25.6	25.1	24.6	24.1	23.6	23.0
-67.5°	25.4	25.1	24.7	24.3	23.9	23.4	23.0	22.5	22.0	21.5	21.0
-68.75°	23.1	22.8	22.4	22.1	21.7	21.3	20.9	20.4	20.0	19.5	19.0
-70°	20.8	20.5	20.2	19.9	19.5	19.1	18.7	18.3	18.1	17.8	17.5
-71.25°	18.6	18.3	18.1	17.9	17.7	17.5	17.3	17.1	16.8	16.6	16.3
-72.5°	17.1	17.0	16.8	16.6	16.4	16.2	16.0	15.8	15.6	15.4	15.3
-73.75°	15.8	15.6	15.5	15.4	15.3	15.2	15.1	15.1	15.0	14.9	14.7
-75°	15.0	14.9	14.8	14.8	14.7	14.6	14.5	14.4	14.4	14.3	14.2
-76.25°	14.3	14.3	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.4	13.3
-77.5°	13.5	13.4	13.3	13.2	13.1	13.0	12.9	12.8	12.7	12.6	12.4



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	12.5	12.4	12.3	12.2	12.2	12.1	12.0	11.8	11.6	11.4	11.3
-80°	11.1	11.0	10.9	10.8	10.7	10.5	10.4	10.3	10.1	10.0	9.8
-81.25°	9.5	9.4	9.3	9.2	9.1	9.0	8.9	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°	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7
-86.25°	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5
-87.5°	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
-88.75°	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
-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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
87.5°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
86.25°	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9
85°	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0	4.0	3.9
83.75°	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	4.9	4.8
82.5°	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8
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°	9.6	9.4	9.3	9.1	8.9	8.7	8.5	8.3	8.2	8.0	7.8
78.75°	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.3	9.1	8.9
77.5°	12.3	12.2	12.0	11.8	11.6	11.4	11.1	10.9	10.6	10.3	10.1
76.25°	13.2	13.0	12.9	12.7	12.6	12.4	12.2	12.1	11.8	11.5	11.2
75°	14.0	13.9	13.7	13.6	13.4	13.2	13.0	12.8	12.7	12.5	12.3
73.75°	14.6	14.5	14.4	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0
72.5°	15.2	15.1	15.0	14.8	14.7	14.6	14.4	14.3	14.1	13.9	13.7
71.25°	16.1	15.8	15.5	15.4	15.2	15.1	14.9	14.8	14.6	14.5	14.3
70°	17.3	17.0	16.7	16.4	16.0	15.7	15.4	15.3	15.1	14.9	14.8
68.75°	18.5	18.1	17.8	17.5	17.1	16.8	16.4	16.1	15.7	15.4	15.2
67.5°	20.5	19.9	19.3	18.7	18.2	17.9	17.5	17.1	16.7	16.3	15.9
66.25°	22.4	21.9	21.2	20.6	20.0	19.3	18.6	18.1	17.7	17.3	16.9
65°	24.4	23.8	23.2	22.5	21.8	21.1	20.4	19.7	18.9	18.3	17.8
63.75°	26.4	25.7	25.1	24.4	23.6	22.9	22.2	21.4	20.6	19.8	19.0
62.5°	28.4	27.7	26.9	26.2	25.5	24.7	23.9	23.1	22.3	21.5	20.6
61.25°	30.9	30.0	29.0	28.1	27.3	26.5	25.7	24.8	23.9	23.1	22.2
60°	33.5	32.5	31.5	30.4	29.4	28.3	27.4	26.5	25.6	24.7	23.7
58.75°	35.7	34.9	33.9	32.8	31.7	30.5	29.4	28.2	27.2	26.3	25.3
57.5°	37.6	36.8	35.9	35.1	34.0	32.8	31.6	30.3	29.1	27.9	26.8
56.25°	39.5	38.7	37.8	36.9	35.9	35.0	33.8	32.5	31.2	29.8	28.4
55°	40.9	40.3	39.6	38.7	37.7	36.7	35.7	34.6	33.3	31.9	30.4
53.75°	42.3	41.6	40.9	40.2	39.4	38.4	37.3	36.3	35.2	33.9	32.4
52.5°	43.7	43.0	42.2	41.5	40.7	39.9	39.0	37.9	36.7	35.6	34.3
51.25°	45.0	44.3	43.5	42.8	42.0	41.2	40.3	39.5	38.3	37.1	35.9
50°	46.3	45.6	44.8	44.0	43.2	42.4	41.5	40.6	39.7	38.6	37.3
48.75°	47.6	46.9	46.1	45.3	44.4	43.6	42.7	41.8	40.9	39.9	38.8
47.5°	48.9	48.1	47.3	46.5	45.6	44.7	43.8	42.9	42.0	41.0	40.0
46.25°	50.2	49.4	48.6	47.7	46.8	45.9	45.0	44.0	43.1	42.1	41.0
45°	50.9	50.4	49.8	48.9	48.0	47.0	46.1	45.1	44.1	43.1	42.1
43.75°	51.7	51.2	50.6	50.1	49.1	48.1	47.2	46.2	45.1	44.1	43.1
42.5°	52.3	51.9	51.3	50.8	50.2	49.2	48.2	47.2	46.2	45.1	44.0
41.25°	52.5	52.3	52.1	51.5	50.9	50.2	49.3	48.2	47.2	46.1	45.0
40°	52.8	52.6	52.4	52.1	51.5	50.9	50.2	49.2	48.1	47.0	45.9
38.75°	53.1	52.8	52.6	52.4	52.2	51.5	50.9	50.2	49.1	48.0	46.8
37.5°	53.6	53.2	52.8	52.6	52.4	52.1	51.5	50.8	50.1	48.9	47.7
36.25°	54.1	53.7	53.2	52.8	52.6	52.4	52.1	51.3	50.6	49.8	48.6
35°	54.4	54.1	53.7	53.2	52.8	52.6	52.3	51.9	51.2	50.4	49.4



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	54.7	54.4	54.1	53.6	53.1	52.8	52.5	52.3	51.7	50.9	50.2
32.5°	54.9	54.7	54.4	54.0	53.5	53.0	52.7	52.5	52.2	51.5	50.7
31.25°	55.3	54.9	54.6	54.4	53.9	53.4	52.9	52.6	52.4	51.9	51.1
30°	55.7	55.2	54.9	54.6	54.3	53.8	53.3	52.8	52.5	52.3	51.6
28.75°	56.1	55.6	55.1	54.8	54.5	54.1	53.6	53.1	52.7	52.4	52.0
27.5°	56.5	56.0	55.5	55.0	54.7	54.4	53.9	53.4	52.9	52.6	52.3
26.25°	56.9	56.4	55.8	55.3	54.9	54.6	54.2	53.7	53.1	52.7	52.4
25°	57.3	56.7	56.2	55.6	55.1	54.8	54.4	54.0	53.4	52.9	52.6
23.75°	57.7	57.1	56.5	56.0	55.4	54.9	54.6	54.3	53.7	53.1	52.7
22.5°	58.1	57.4	56.9	56.3	55.7	55.1	54.8	54.4	53.9	53.3	52.8
21.25°	58.8	57.8	57.2	56.6	56.0	55.4	54.9	54.6	54.2	53.6	53.0
20°	59.4	58.3	57.5	56.9	56.3	55.7	55.1	54.7	54.4	53.8	53.2
18.75°	60.1	58.9	57.8	57.2	56.6	55.9	55.3	54.9	54.5	54.0	53.4
17.5°	60.7	59.4	58.2	57.4	56.8	56.2	55.6	55.0	54.6	54.2	53.6
16.25°	62.0	60.0	58.7	57.7	57.0	56.4	55.8	55.1	54.8	54.4	53.8
15°	63.3	60.5	59.2	57.9	57.3	56.6	56.0	55.3	54.9	54.5	54.0
13.75°	64.6	61.3	59.7	58.4	57.5	56.8	56.2	55.5	55.0	54.6	54.1
12.5°	65.7	62.4	60.1	58.8	57.7	57.0	56.3	55.7	55.1	54.7	54.3
11.25°	66.8	63.4	60.4	59.1	57.8	57.2	56.5	55.8	55.2	54.8	54.4
10°	67.7	64.3	60.9	59.4	58.1	57.3	56.6	56.0	55.3	54.8	54.4
8.75°	70.0	65.1	61.7	59.7	58.4	57.5	56.8	56.1	55.4	54.9	54.5
7.5°	72.1	65.8	62.4	60.0	58.6	57.6	56.9	56.2	55.5	54.9	54.6
6.25°	73.9	66.4	62.9	60.2	58.8	57.7	57.0	56.3	55.6	55.0	54.6
5°	75.3	66.9	63.4	60.4	59.0	57.8	57.1	56.4	55.7	55.0	54.6
3.75°	76.5	67.3	63.8	60.5	59.1	57.8	57.1	56.4	55.7	55.1	54.7
2.5°	77.3	67.6	64.0	60.6	59.2	57.9	57.2	56.5	55.8	55.1	54.7
1.25°	77.8	67.7	64.2	60.7	59.3	57.9	57.2	56.5	55.8	55.1	54.7
0°	78.0	67.8	64.3	60.7	59.3	57.9	57.2	56.5	55.8	55.1	54.7
-1.25°	77.8	67.7	64.2	60.7	59.3	57.9	57.2	56.5	55.8	55.1	54.7
-2.5°	77.3	67.6	64.0	60.6	59.2	57.9	57.2	56.5	55.8	55.1	54.7
-3.75°	76.5	67.3	63.8	60.5	59.1	57.8	57.1	56.4	55.7	55.1	54.7
-5°	75.3	66.9	63.4	60.4	59.0	57.8	57.1	56.4	55.7	55.0	54.6
-6.25°	73.9	66.4	62.9	60.2	58.8	57.7	57.0	56.3	55.6	55.0	54.6
-7.5°	72.1	65.8	62.4	60.0	58.6	57.6	56.9	56.2	55.5	54.9	54.6
-8.75°	70.0	65.1	61.7	59.7	58.4	57.5	56.8	56.1	55.4	54.9	54.5
-10°	67.7	64.3	60.9	59.4	58.1	57.3	56.6	56.0	55.3	54.8	54.4
-11.25°	66.8	63.4	60.4	59.1	57.8	57.2	56.5	55.8	55.2	54.8	54.4
-12.5°	65.7	62.4	60.1	58.8	57.7	57.0	56.3	55.7	55.1	54.7	54.3
-13.75°	64.6	61.3	59.7	58.4	57.5	56.8	56.2	55.5	55.0	54.6	54.1
-15°	63.3	60.5	59.2	57.9	57.3	56.6	56.0	55.3	54.9	54.5	54.0
-16.25°	62.0	60.0	58.7	57.7	57.0	56.4	55.8	55.1	54.8	54.4	53.8
-17.5°	60.7	59.4	58.2	57.4	56.8	56.2	55.6	55.0	54.6	54.2	53.6
-18.75°	60.1	58.9	57.8	57.2	56.6	55.9	55.3	54.9	54.5	54.0	53.4
-20°	59.4	58.3	57.5	56.9	56.3	55.7	55.1	54.7	54.4	53.8	53.2
-21.25°	58.8	57.8	57.2	56.6	56.0	55.4	54.9	54.6	54.2	53.6	53.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	58.1	57.4	56.9	56.3	55.7	55.1	54.8	54.4	53.9	53.3	52.8
-23.75°	57.7	57.1	56.5	56.0	55.4	54.9	54.6	54.3	53.7	53.1	52.7
-25°	57.3	56.7	56.2	55.6	55.1	54.8	54.4	54.0	53.4	52.9	52.6
-26.25°	56.9	56.4	55.8	55.3	54.9	54.6	54.2	53.7	53.1	52.7	52.4
-27.5°	56.5	56.0	55.5	55.0	54.7	54.4	53.9	53.4	52.9	52.6	52.3
-28.75°	56.1	55.6	55.1	54.8	54.5	54.1	53.6	53.1	52.7	52.4	52.0
-30°	55.7	55.2	54.9	54.6	54.3	53.8	53.3	52.8	52.5	52.3	51.6
-31.25°	55.3	54.9	54.6	54.4	53.9	53.4	52.9	52.6	52.4	51.9	51.1
-32.5°	54.9	54.7	54.4	54.0	53.5	53.0	52.7	52.5	52.2	51.5	50.7
-33.75°	54.7	54.4	54.1	53.6	53.1	52.8	52.5	52.3	51.7	50.9	50.2
-35°	54.4	54.1	53.7	53.2	52.8	52.6	52.3	51.9	51.2	50.4	49.4
-36.25°	54.1	53.7	53.2	52.8	52.6	52.4	52.1	51.3	50.6	49.8	48.6
-37.5°	53.6	53.2	52.8	52.6	52.4	52.1	51.5	50.8	50.1	48.9	47.7
-38.75°	53.1	52.8	52.6	52.4	52.2	51.5	50.9	50.2	49.1	48.0	46.8
-40°	52.8	52.6	52.4	52.1	51.5	50.9	50.2	49.2	48.1	47.0	45.9
-41.25°	52.5	52.3	52.1	51.5	50.9	50.2	49.3	48.2	47.2	46.1	45.0
-42.5°	52.3	51.9	51.3	50.8	50.2	49.2	48.2	47.2	46.2	45.1	44.0
-43.75°	51.7	51.2	50.6	50.1	49.1	48.1	47.2	46.2	45.1	44.1	43.1
-45°	50.9	50.4	49.8	48.9	48.0	47.0	46.1	45.1	44.1	43.1	42.1
-46.25°	50.2	49.4	48.6	47.7	46.8	45.9	45.0	44.0	43.1	42.1	41.0
-47.5°	48.9	48.1	47.3	46.5	45.6	44.7	43.8	42.9	42.0	41.0	40.0
-48.75°	47.6	46.9	46.1	45.3	44.4	43.6	42.7	41.8	40.9	39.9	38.8
-50°	46.3	45.6	44.8	44.0	43.2	42.4	41.5	40.6	39.7	38.6	37.3
-51.25°	45.0	44.3	43.5	42.8	42.0	41.2	40.3	39.5	38.3	37.1	35.9
-52.5°	43.7	43.0	42.2	41.5	40.7	39.9	39.0	37.9	36.7	35.6	34.3
-53.75°	42.3	41.6	40.9	40.2	39.4	38.4	37.3	36.3	35.2	33.9	32.4
-55°	40.9	40.3	39.6	38.7	37.7	36.7	35.7	34.6	33.3	31.9	30.4
-56.25°	39.5	38.7	37.8	36.9	35.9	35.0	33.8	32.5	31.2	29.8	28.4
-57.5°	37.6	36.8	35.9	35.1	34.0	32.8	31.6	30.3	29.1	27.9	26.8
-58.75°	35.7	34.9	33.9	32.8	31.7	30.5	29.4	28.2	27.2	26.3	25.3
-60°	33.5	32.5	31.5	30.4	29.4	28.3	27.4	26.5	25.6	24.7	23.7
-61.25°	30.9	30.0	29.0	28.1	27.3	26.5	25.7	24.8	23.9	23.1	22.2
-62.5°	28.4	27.7	26.9	26.2	25.5	24.7	23.9	23.1	22.3	21.5	20.6
-63.75°	26.4	25.7	25.1	24.4	23.6	22.9	22.2	21.4	20.6	19.8	19.0
-65°	24.4	23.8	23.2	22.5	21.8	21.1	20.4	19.7	18.9	18.3	17.8
-66.25°	22.4	21.9	21.2	20.6	20.0	19.3	18.6	18.1	17.7	17.3	16.9
-67.5°	20.5	19.9	19.3	18.7	18.2	17.9	17.5	17.1	16.7	16.3	15.9
-68.75°	18.5	18.1	17.8	17.5	17.1	16.8	16.4	16.1	15.7	15.4	15.2
-70°	17.3	17.0	16.7	16.4	16.0	15.7	15.4	15.3	15.1	14.9	14.8
-71.25°	16.1	15.8	15.5	15.4	15.2	15.1	14.9	14.8	14.6	14.5	14.3
-72.5°	15.2	15.1	15.0	14.8	14.7	14.6	14.4	14.3	14.1	13.9	13.7
-73.75°	14.6	14.5	14.4	14.3	14.2	14.0	13.8	13.6	13.4	13.2	13.0
-75°	14.0	13.9	13.7	13.6	13.4	13.2	13.0	12.8	12.7	12.5	12.3
-76.25°	13.2	13.0	12.9	12.7	12.6	12.4	12.2	12.1	11.8	11.5	11.2
-77.5°	12.3	12.2	12.0	11.8	11.6	11.4	11.1	10.9	10.6	10.3	10.1



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	11.1	10.9	10.7	10.5	10.3	10.0	9.8	9.6	9.3	9.1	8.9
-80°	9.6	9.4	9.3	9.1	8.9	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	5.5	5.4	5.3	5.2	5.1	4.9	4.8
-85°	4.7	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.0	4.0	3.9
-86.25°	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9
-87.5°	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1	2.0	2.0	1.9
-88.75°	1.2	1.1	1.1	1.1	1.1	1.1	1.1	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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7
87.5°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
86.25°	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.3	2.2	2.1
85°	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
83.75°	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
82.5°	5.7	5.5	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2
81.25°	6.6	6.5	6.3	6.1	6.0	5.8	5.6	5.4	5.3	5.1	4.9
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°	9.8	9.5	9.2	8.9	8.6	8.3	8.1	7.8	7.5	7.3	7.0
76.25°	10.9	10.6	10.3	10.0	9.6	9.3	9.0	8.6	8.3	8.0	7.7
75°	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.2	8.8	8.4
73.75°	12.8	12.5	12.3	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.3
72.5°	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.5	11.0	10.6	10.1
71.25°	14.1	13.9	13.6	13.3	13.1	12.8	12.5	12.2	11.9	11.4	10.9
70°	14.6	14.4	14.2	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.8
68.75°	15.0	14.8	14.6	14.4	14.2	14.0	13.7	13.4	13.0	12.7	12.4
67.5°	15.5	15.3	15.1	14.9	14.6	14.4	14.2	13.9	13.6	13.2	12.9
66.25°	16.4	16.0	15.5	15.3	15.0	14.8	14.6	14.3	14.1	13.7	13.4
65°	17.3	16.9	16.4	15.9	15.4	15.2	15.0	14.7	14.4	14.2	13.8
63.75°	18.3	17.8	17.3	16.7	16.2	15.7	15.3	15.1	14.8	14.5	14.3
62.5°	19.7	18.8	18.1	17.6	17.0	16.5	15.9	15.4	15.1	14.9	14.6
61.25°	21.3	20.3	19.4	18.4	17.9	17.3	16.7	16.1	15.5	15.2	14.9
60°	22.8	21.8	20.8	19.8	18.8	18.0	17.4	16.8	16.2	15.5	15.2
58.75°	24.3	23.3	22.3	21.2	20.2	19.1	18.2	17.5	16.9	16.2	15.5
57.5°	25.8	24.8	23.7	22.6	21.5	20.4	19.3	18.2	17.6	16.9	16.2
56.25°	27.3	26.2	25.1	24.0	22.8	21.7	20.5	19.3	18.2	17.5	16.8
55°	29.0	27.7	26.5	25.3	24.2	23.0	21.7	20.5	19.3	18.2	17.4
53.75°	30.9	29.3	27.9	26.7	25.5	24.2	23.0	21.7	20.4	19.1	18.0
52.5°	32.8	31.2	29.6	28.0	26.7	25.5	24.2	22.8	21.5	20.2	18.8
51.25°	34.6	33.0	31.3	29.6	28.0	26.7	25.3	24.0	22.6	21.2	19.8
50°	36.0	34.7	33.1	31.3	29.6	27.9	26.5	25.1	23.7	22.3	20.8
48.75°	37.4	36.1	34.7	33.0	31.2	29.3	27.7	26.2	24.8	23.3	21.8
47.5°	38.8	37.4	36.0	34.6	32.8	30.9	29.0	27.3	25.8	24.3	22.8
46.25°	40.0	38.8	37.3	35.9	34.3	32.4	30.4	28.4	26.8	25.3	23.7
45°	41.0	39.9	38.6	37.1	35.6	33.9	31.9	29.8	27.9	26.3	24.7
43.75°	42.0	40.9	39.7	38.3	36.7	35.2	33.3	31.2	29.1	27.2	25.6
42.5°	42.9	41.8	40.6	39.5	37.9	36.3	34.6	32.5	30.3	28.2	26.5
41.25°	43.8	42.7	41.5	40.3	39.0	37.3	35.7	33.8	31.6	29.4	27.4
40°	44.7	43.6	42.4	41.2	39.9	38.4	36.7	35.0	32.8	30.5	28.3
38.75°	45.6	44.4	43.2	42.0	40.7	39.4	37.7	35.9	34.0	31.7	29.4
37.5°	46.5	45.3	44.0	42.8	41.5	40.2	38.7	36.9	35.1	32.8	30.4
36.25°	47.3	46.1	44.8	43.5	42.2	40.9	39.6	37.8	35.9	33.9	31.5
35°	48.1	46.9	45.6	44.3	43.0	41.6	40.3	38.7	36.8	34.9	32.5



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	48.9	47.6	46.3	45.0	43.7	42.3	40.9	39.5	37.6	35.7	33.5
32.5°	49.7	48.4	47.1	45.7	44.3	43.0	41.6	40.1	38.4	36.5	34.5
31.25°	50.3	49.1	47.8	46.4	45.0	43.6	42.2	40.7	39.2	37.2	35.2
30°	50.8	49.8	48.5	47.1	45.6	44.2	42.8	41.3	39.8	37.9	35.9
28.75°	51.2	50.4	49.1	47.7	46.3	44.8	43.4	41.9	40.4	38.6	36.6
27.5°	51.6	50.8	49.8	48.3	46.9	45.4	43.9	42.4	40.9	39.3	37.2
26.25°	52.0	51.2	50.3	48.9	47.4	45.9	44.4	42.9	41.4	39.8	37.8
25°	52.3	51.5	50.6	49.5	48.0	46.5	44.9	43.4	41.9	40.3	38.4
23.75°	52.4	51.9	51.0	50.0	48.5	47.0	45.4	43.9	42.3	40.7	39.0
22.5°	52.5	52.2	51.3	50.4	49.0	47.5	45.9	44.3	42.8	41.1	39.5
21.25°	52.6	52.3	51.6	50.7	49.5	47.9	46.3	44.8	43.2	41.5	39.9
20°	52.7	52.4	51.9	51.0	50.0	48.4	46.8	45.2	43.6	41.9	40.3
18.75°	52.8	52.5	52.2	51.2	50.3	48.8	47.2	45.5	43.9	42.3	40.6
17.5°	53.0	52.6	52.3	51.5	50.5	49.2	47.5	45.9	44.3	42.6	40.9
16.25°	53.1	52.7	52.4	51.7	50.7	49.5	47.9	46.2	44.6	42.9	41.2
15°	53.3	52.8	52.4	51.9	51.0	49.9	48.2	46.5	44.9	43.2	41.5
13.75°	53.5	52.9	52.5	52.2	51.2	50.1	48.5	46.8	45.1	43.5	41.7
12.5°	53.6	52.9	52.6	52.2	51.3	50.3	48.8	47.1	45.4	43.7	42.0
11.25°	53.7	53.1	52.6	52.3	51.5	50.5	49.0	47.3	45.6	43.9	42.2
10°	53.9	53.2	52.7	52.4	51.6	50.6	49.2	47.5	45.8	44.1	42.4
8.75°	54.0	53.3	52.7	52.4	51.8	50.7	49.4	47.7	46.0	44.3	42.5
7.5°	54.0	53.4	52.8	52.4	51.9	50.8	49.6	47.9	46.2	44.4	42.7
6.25°	54.1	53.4	52.8	52.5	52.0	50.9	49.8	48.0	46.3	44.6	42.8
5°	54.2	53.5	52.8	52.5	52.1	51.0	49.9	48.1	46.4	44.7	42.9
3.75°	54.2	53.5	52.9	52.5	52.1	51.1	50.0	48.2	46.5	44.7	43.0
2.5°	54.3	53.6	52.9	52.5	52.2	51.1	50.0	48.3	46.6	44.8	43.1
1.25°	54.3	53.6	52.9	52.5	52.2	51.1	50.1	48.3	46.6	44.8	43.1
0°	54.3	53.6	52.9	52.6	52.2	51.2	50.1	48.4	46.6	44.9	43.1
-1.25°	54.3	53.6	52.9	52.5	52.2	51.1	50.1	48.3	46.6	44.8	43.1
-2.5°	54.3	53.6	52.9	52.5	52.2	51.1	50.0	48.3	46.6	44.8	43.1
-3.75°	54.2	53.5	52.9	52.5	52.1	51.1	50.0	48.2	46.5	44.7	43.0
-5°	54.2	53.5	52.8	52.5	52.1	51.0	49.9	48.1	46.4	44.7	42.9
-6.25°	54.1	53.4	52.8	52.5	52.0	50.9	49.8	48.0	46.3	44.6	42.8
-7.5°	54.0	53.4	52.8	52.4	51.9	50.8	49.6	47.9	46.2	44.4	42.7
-8.75°	54.0	53.3	52.7	52.4	51.8	50.7	49.4	47.7	46.0	44.3	42.5
-10°	53.9	53.2	52.7	52.4	51.6	50.6	49.2	47.5	45.8	44.1	42.4
-11.25°	53.7	53.1	52.6	52.3	51.5	50.5	49.0	47.3	45.6	43.9	42.2
-12.5°	53.6	52.9	52.6	52.2	51.3	50.3	48.8	47.1	45.4	43.7	42.0
-13.75°	53.5	52.9	52.5	52.2	51.2	50.1	48.5	46.8	45.1	43.5	41.7
-15°	53.3	52.8	52.4	51.9	51.0	49.9	48.2	46.5	44.9	43.2	41.5
-16.25°	53.1	52.7	52.4	51.7	50.7	49.5	47.9	46.2	44.6	42.9	41.2
-17.5°	53.0	52.6	52.3	51.5	50.5	49.2	47.5	45.9	44.3	42.6	40.9
-18.75°	52.8	52.5	52.2	51.2	50.3	48.8	47.2	45.5	43.9	42.3	40.6
-20°	52.7	52.4	51.9	51.0	50.0	48.4	46.8	45.2	43.6	41.9	40.3
-21.25°	52.6	52.3	51.6	50.7	49.5	47.9	46.3	44.8	43.2	41.5	39.9



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	52.5	52.2	51.3	50.4	49.0	47.5	45.9	44.3	42.8	41.1	39.5
-23.75°	52.4	51.9	51.0	50.0	48.5	47.0	45.4	43.9	42.3	40.7	39.0
-25°	52.3	51.5	50.6	49.5	48.0	46.5	44.9	43.4	41.9	40.3	38.4
-26.25°	52.0	51.2	50.3	48.9	47.4	45.9	44.4	42.9	41.4	39.8	37.8
-27.5°	51.6	50.8	49.8	48.3	46.9	45.4	43.9	42.4	40.9	39.3	37.2
-28.75°	51.2	50.4	49.1	47.7	46.3	44.8	43.4	41.9	40.4	38.6	36.6
-30°	50.8	49.8	48.5	47.1	45.6	44.2	42.8	41.3	39.8	37.9	35.9
-31.25°	50.3	49.1	47.8	46.4	45.0	43.6	42.2	40.7	39.2	37.2	35.2
-32.5°	49.7	48.4	47.1	45.7	44.3	43.0	41.6	40.1	38.4	36.5	34.5
-33.75°	48.9	47.6	46.3	45.0	43.7	42.3	40.9	39.5	37.6	35.7	33.5
-35°	48.1	46.9	45.6	44.3	43.0	41.6	40.3	38.7	36.8	34.9	32.5
-36.25°	47.3	46.1	44.8	43.5	42.2	40.9	39.6	37.8	35.9	33.9	31.5
-37.5°	46.5	45.3	44.0	42.8	41.5	40.2	38.7	36.9	35.1	32.8	30.4
-38.75°	45.6	44.4	43.2	42.0	40.7	39.4	37.7	35.9	34.0	31.7	29.4
-40°	44.7	43.6	42.4	41.2	39.9	38.4	36.7	35.0	32.8	30.5	28.3
-41.25°	43.8	42.7	41.5	40.3	39.0	37.3	35.7	33.8	31.6	29.4	27.4
-42.5°	42.9	41.8	40.6	39.5	37.9	36.3	34.6	32.5	30.3	28.2	26.5
-43.75°	42.0	40.9	39.7	38.3	36.7	35.2	33.3	31.2	29.1	27.2	25.6
-45°	41.0	39.9	38.6	37.1	35.6	33.9	31.9	29.8	27.9	26.3	24.7
-46.25°	40.0	38.8	37.3	35.9	34.3	32.4	30.4	28.4	26.8	25.3	23.7
-47.5°	38.8	37.4	36.0	34.6	32.8	30.9	29.0	27.3	25.8	24.3	22.8
-48.75°	37.4	36.1	34.7	33.0	31.2	29.3	27.7	26.2	24.8	23.3	21.8
-50°	36.0	34.7	33.1	31.3	29.6	27.9	26.5	25.1	23.7	22.3	20.8
-51.25°	34.6	33.0	31.3	29.6	28.0	26.7	25.3	24.0	22.6	21.2	19.8
-52.5°	32.8	31.2	29.6	28.0	26.7	25.5	24.2	22.8	21.5	20.2	18.8
-53.75°	30.9	29.3	27.9	26.7	25.5	24.2	23.0	21.7	20.4	19.1	18.0
-55°	29.0	27.7	26.5	25.3	24.2	23.0	21.7	20.5	19.3	18.2	17.4
-56.25°	27.3	26.2	25.1	24.0	22.8	21.7	20.5	19.3	18.2	17.5	16.8
-57.5°	25.8	24.8	23.7	22.6	21.5	20.4	19.3	18.2	17.6	16.9	16.2
-58.75°	24.3	23.3	22.3	21.2	20.2	19.1	18.2	17.5	16.9	16.2	15.5
-60°	22.8	21.8	20.8	19.8	18.8	18.0	17.4	16.8	16.2	15.5	15.2
-61.25°	21.3	20.3	19.4	18.4	17.9	17.3	16.7	16.1	15.5	15.2	14.9
-62.5°	19.7	18.8	18.1	17.6	17.0	16.5	15.9	15.4	15.1	14.9	14.6
-63.75°	18.3	17.8	17.3	16.7	16.2	15.7	15.3	15.1	14.8	14.5	14.3
-65°	17.3	16.9	16.4	15.9	15.4	15.2	15.0	14.7	14.4	14.2	13.8
-66.25°	16.4	16.0	15.5	15.3	15.0	14.8	14.6	14.3	14.1	13.7	13.4
-67.5°	15.5	15.3	15.1	14.9	14.6	14.4	14.2	13.9	13.6	13.2	12.9
-68.75°	15.0	14.8	14.6	14.4	14.2	14.0	13.7	13.4	13.0	12.7	12.4
-70°	14.6	14.4	14.2	14.0	13.7	13.4	13.1	12.8	12.5	12.2	11.8
-71.25°	14.1	13.9	13.6	13.3	13.1	12.8	12.5	12.2	11.9	11.4	10.9
-72.5°	13.4	13.2	13.0	12.7	12.5	12.2	11.9	11.5	11.0	10.6	10.1
-73.75°	12.8	12.5	12.3	12.1	11.7	11.3	10.9	10.5	10.1	9.7	9.3
-75°	12.1	11.8	11.4	11.1	10.7	10.3	10.0	9.6	9.2	8.8	8.4
-76.25°	10.9	10.6	10.3	10.0	9.6	9.3	9.0	8.6	8.3	8.0	7.7
-77.5°	9.8	9.5	9.2	8.9	8.6	8.3	8.1	7.8	7.5	7.3	7.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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	5.3	5.1	4.9
-82.5°	5.7	5.5	5.4	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2
-83.75°	4.7	4.6	4.5	4.4	4.3	4.1	4.0	3.9	3.8	3.6	3.5
-85°	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-86.25°	2.8	2.8	2.7	2.6	2.6	2.5	2.4	2.3	2.3	2.2	2.1
-87.5°	1.9	1.8	1.8	1.8	1.7	1.7	1.6	1.6	1.5	1.5	1.4
-88.75°	0.9	0.9	0.9	0.9	0.9	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: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
87.5°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
86.25°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
85°	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6
83.75°	3.4	3.2	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	2.0
82.5°	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.9	2.7	2.5	2.3
81.25°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
80°	5.4	5.2	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.1
78.75°	6.0	5.8	5.5	5.3	5.0	4.8	4.5	4.3	4.0	3.8	3.5
77.5°	6.7	6.5	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.2	3.9
76.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.6	4.3
75°	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.7
73.75°	8.8	8.4	8.0	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0
72.5°	9.6	9.2	8.7	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.4
71.25°	10.5	9.9	9.4	8.9	8.4	8.0	7.6	7.1	6.7	6.2	5.8
70°	11.3	10.7	10.2	9.6	9.1	8.5	8.1	7.6	7.1	6.6	6.2
68.75°	12.0	11.5	10.9	10.3	9.8	9.2	8.6	8.1	7.6	7.1	6.6
67.5°	12.5	12.1	11.6	11.0	10.4	9.8	9.2	8.5	8.0	7.5	6.9
66.25°	13.0	12.6	12.2	11.7	11.1	10.4	9.8	9.1	8.4	7.9	7.3
65°	13.5	13.1	12.6	12.2	11.7	11.0	10.3	9.6	8.9	8.3	7.7
63.75°	13.9	13.5	13.1	12.6	12.2	11.6	10.9	10.2	9.4	8.7	8.0
62.5°	14.3	13.9	13.5	13.1	12.6	12.1	11.5	10.7	9.9	9.2	8.4
61.25°	14.6	14.3	13.9	13.5	13.0	12.5	12.0	11.3	10.5	9.6	8.8
60°	14.9	14.6	14.3	13.8	13.4	12.9	12.4	11.8	10.9	10.1	9.3
58.75°	15.2	14.9	14.5	14.2	13.7	13.2	12.7	12.2	11.4	10.6	9.7
57.5°	15.5	15.1	14.8	14.4	14.1	13.6	13.0	12.5	11.9	11.0	10.1
56.25°	16.1	15.4	15.1	14.7	14.3	13.9	13.4	12.8	12.2	11.5	10.5
55°	16.7	15.9	15.3	15.0	14.6	14.2	13.7	13.1	12.5	11.9	10.9
53.75°	17.3	16.5	15.7	15.2	14.8	14.4	14.0	13.4	12.8	12.2	11.3
52.5°	17.9	17.0	16.2	15.4	15.0	14.6	14.2	13.7	13.1	12.5	11.7
51.25°	18.4	17.6	16.7	15.9	15.3	14.9	14.4	14.0	13.3	12.7	12.1
50°	19.4	18.1	17.3	16.4	15.5	15.1	14.6	14.2	13.6	13.0	12.3
48.75°	20.3	18.8	17.8	16.9	16.0	15.3	14.8	14.4	13.9	13.2	12.5
47.5°	21.3	19.7	18.3	17.3	16.4	15.5	15.0	14.6	14.1	13.4	12.8
46.25°	22.2	20.6	19.0	17.8	16.9	15.9	15.2	14.8	14.3	13.7	13.0
45°	23.1	21.5	19.8	18.3	17.3	16.3	15.4	14.9	14.5	13.9	13.2
43.75°	23.9	22.3	20.6	18.9	17.7	16.7	15.7	15.1	14.6	14.1	13.4
42.5°	24.8	23.1	21.4	19.7	18.1	17.1	16.1	15.3	14.8	14.3	13.6
41.25°	25.7	23.9	22.2	20.4	18.6	17.5	16.4	15.4	14.9	14.4	13.8
40°	26.5	24.7	22.9	21.1	19.3	17.9	16.8	15.7	15.1	14.6	14.0
38.75°	27.3	25.5	23.6	21.8	20.0	18.2	17.1	16.0	15.2	14.7	14.2
37.5°	28.1	26.2	24.4	22.5	20.6	18.7	17.5	16.4	15.4	14.8	14.3
36.25°	29.0	26.9	25.1	23.2	21.2	19.3	17.8	16.7	15.5	15.0	14.4
35°	30.0	27.7	25.7	23.8	21.9	19.9	18.1	17.0	15.8	15.1	14.5



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	30.9	28.4	26.4	24.4	22.4	20.5	18.5	17.3	16.1	15.2	14.6
32.5°	31.9	29.3	27.0	25.0	23.0	21.0	19.0	17.5	16.3	15.3	14.7
31.25°	32.8	30.1	27.6	25.6	23.6	21.5	19.5	17.8	16.6	15.4	14.9
30°	33.6	30.9	28.3	26.2	24.1	22.0	20.0	18.1	16.8	15.6	15.0
28.75°	34.5	31.7	29.0	26.7	24.6	22.5	20.4	18.3	17.1	15.8	15.1
27.5°	35.1	32.5	29.7	27.3	25.1	23.0	20.9	18.7	17.3	16.0	15.1
26.25°	35.7	33.2	30.4	27.8	25.6	23.4	21.3	19.1	17.5	16.2	15.2
25°	36.3	33.9	31.1	28.3	26.1	23.9	21.7	19.5	17.7	16.4	15.3
23.75°	36.8	34.6	31.7	28.9	26.5	24.3	22.1	19.9	17.9	16.6	15.4
22.5°	37.3	35.1	32.3	29.4	26.9	24.7	22.4	20.2	18.1	16.8	15.5
21.25°	37.8	35.6	32.9	30.0	27.3	25.1	22.8	20.5	18.3	17.0	15.6
20°	38.3	36.0	33.5	30.5	27.7	25.4	23.1	20.8	18.6	17.1	15.8
18.75°	38.7	36.4	34.0	31.0	28.0	25.7	23.4	21.1	18.8	17.3	15.9
17.5°	39.1	36.8	34.5	31.4	28.4	26.1	23.7	21.4	19.1	17.4	16.1
16.25°	39.5	37.2	34.8	31.9	28.8	26.3	24.0	21.7	19.3	17.6	16.2
15°	39.8	37.5	35.2	32.3	29.2	26.6	24.3	21.9	19.6	17.7	16.3
13.75°	40.0	37.8	35.5	32.6	29.6	26.9	24.5	22.1	19.8	17.8	16.4
12.5°	40.2	38.1	35.7	33.0	29.9	27.1	24.7	22.3	19.9	17.9	16.5
11.25°	40.4	38.4	36.0	33.3	30.2	27.3	24.9	22.5	20.1	18.0	16.6
10°	40.6	38.6	36.2	33.6	30.4	27.5	25.1	22.7	20.3	18.1	16.7
8.75°	40.8	38.8	36.4	33.8	30.6	27.7	25.2	22.8	20.4	18.2	16.7
7.5°	40.9	39.0	36.6	34.0	30.8	27.8	25.4	23.0	20.5	18.2	16.8
6.25°	41.0	39.2	36.7	34.2	31.0	27.9	25.5	23.1	20.6	18.3	16.8
5°	41.1	39.3	36.8	34.3	31.2	28.0	25.6	23.1	20.7	18.3	16.9
3.75°	41.2	39.4	36.9	34.5	31.3	28.1	25.7	23.2	20.8	18.4	16.9
2.5°	41.3	39.4	37.0	34.5	31.3	28.2	25.7	23.3	20.8	18.4	16.9
1.25°	41.3	39.5	37.0	34.6	31.4	28.2	25.7	23.3	20.8	18.4	16.9
0°	41.3	39.5	37.1	34.6	31.4	28.2	25.8	23.3	20.9	18.4	17.0
-1.25°	41.3	39.5	37.0	34.6	31.4	28.2	25.7	23.3	20.8	18.4	16.9
-2.5°	41.3	39.4	37.0	34.5	31.3	28.2	25.7	23.3	20.8	18.4	16.9
-3.75°	41.2	39.4	36.9	34.5	31.3	28.1	25.7	23.2	20.8	18.4	16.9
-5°	41.1	39.3	36.8	34.3	31.2	28.0	25.6	23.1	20.7	18.3	16.9
-6.25°	41.0	39.2	36.7	34.2	31.0	27.9	25.5	23.1	20.6	18.3	16.8
-7.5°	40.9	39.0	36.6	34.0	30.8	27.8	25.4	23.0	20.5	18.2	16.8
-8.75°	40.8	38.8	36.4	33.8	30.6	27.7	25.2	22.8	20.4	18.2	16.7
-10°	40.6	38.6	36.2	33.6	30.4	27.5	25.1	22.7	20.3	18.1	16.7
-11.25°	40.4	38.4	36.0	33.3	30.2	27.3	24.9	22.5	20.1	18.0	16.6
-12.5°	40.2	38.1	35.7	33.0	29.9	27.1	24.7	22.3	19.9	17.9	16.5
-13.75°	40.0	37.8	35.5	32.6	29.6	26.9	24.5	22.1	19.8	17.8	16.4
-15°	39.8	37.5	35.2	32.3	29.2	26.6	24.3	21.9	19.6	17.7	16.3
-16.25°	39.5	37.2	34.8	31.9	28.8	26.3	24.0	21.7	19.3	17.6	16.2
-17.5°	39.1	36.8	34.5	31.4	28.4	26.1	23.7	21.4	19.1	17.4	16.1
-18.75°	38.7	36.4	34.0	31.0	28.0	25.7	23.4	21.1	18.8	17.3	15.9
-20°	38.3	36.0	33.5	30.5	27.7	25.4	23.1	20.8	18.6	17.1	15.8
-21.25°	37.8	35.6	32.9	30.0	27.3	25.1	22.8	20.5	18.3	17.0	15.6



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	37.3	35.1	32.3	29.4	26.9	24.7	22.4	20.2	18.1	16.8	15.5
-23.75°	36.8	34.6	31.7	28.9	26.5	24.3	22.1	19.9	17.9	16.6	15.4
-25°	36.3	33.9	31.1	28.3	26.1	23.9	21.7	19.5	17.7	16.4	15.3
-26.25°	35.7	33.2	30.4	27.8	25.6	23.4	21.3	19.1	17.5	16.2	15.2
-27.5°	35.1	32.5	29.7	27.3	25.1	23.0	20.9	18.7	17.3	16.0	15.1
-28.75°	34.5	31.7	29.0	26.7	24.6	22.5	20.4	18.3	17.1	15.8	15.1
-30°	33.6	30.9	28.3	26.2	24.1	22.0	20.0	18.1	16.8	15.6	15.0
-31.25°	32.8	30.1	27.6	25.6	23.6	21.5	19.5	17.8	16.6	15.4	14.9
-32.5°	31.9	29.3	27.0	25.0	23.0	21.0	19.0	17.5	16.3	15.3	14.7
-33.75°	30.9	28.4	26.4	24.4	22.4	20.5	18.5	17.3	16.1	15.2	14.6
-35°	30.0	27.7	25.7	23.8	21.9	19.9	18.1	17.0	15.8	15.1	14.5
-36.25°	29.0	26.9	25.1	23.2	21.2	19.3	17.8	16.7	15.5	15.0	14.4
-37.5°	28.1	26.2	24.4	22.5	20.6	18.7	17.5	16.4	15.4	14.8	14.3
-38.75°	27.3	25.5	23.6	21.8	20.0	18.2	17.1	16.0	15.2	14.7	14.2
-40°	26.5	24.7	22.9	21.1	19.3	17.9	16.8	15.7	15.1	14.6	14.0
-41.25°	25.7	23.9	22.2	20.4	18.6	17.5	16.4	15.4	14.9	14.4	13.8
-42.5°	24.8	23.1	21.4	19.7	18.1	17.1	16.1	15.3	14.8	14.3	13.6
-43.75°	23.9	22.3	20.6	18.9	17.7	16.7	15.7	15.1	14.6	14.1	13.4
-45°	23.1	21.5	19.8	18.3	17.3	16.3	15.4	14.9	14.5	13.9	13.2
-46.25°	22.2	20.6	19.0	17.8	16.9	15.9	15.2	14.8	14.3	13.7	13.0
-47.5°	21.3	19.7	18.3	17.3	16.4	15.5	15.0	14.6	14.1	13.4	12.8
-48.75°	20.3	18.8	17.8	16.9	16.0	15.3	14.8	14.4	13.9	13.2	12.5
-50°	19.4	18.1	17.3	16.4	15.5	15.1	14.6	14.2	13.6	13.0	12.3
-51.25°	18.4	17.6	16.7	15.9	15.3	14.9	14.4	14.0	13.3	12.7	12.1
-52.5°	17.9	17.0	16.2	15.4	15.0	14.6	14.2	13.7	13.1	12.5	11.7
-53.75°	17.3	16.5	15.7	15.2	14.8	14.4	14.0	13.4	12.8	12.2	11.3
-55°	16.7	15.9	15.3	15.0	14.6	14.2	13.7	13.1	12.5	11.9	10.9
-56.25°	16.1	15.4	15.1	14.7	14.3	13.9	13.4	12.8	12.2	11.5	10.5
-57.5°	15.5	15.1	14.8	14.4	14.1	13.6	13.0	12.5	11.9	11.0	10.1
-58.75°	15.2	14.9	14.5	14.2	13.7	13.2	12.7	12.2	11.4	10.6	9.7
-60°	14.9	14.6	14.3	13.8	13.4	12.9	12.4	11.8	10.9	10.1	9.3
-61.25°	14.6	14.3	13.9	13.5	13.0	12.5	12.0	11.3	10.5	9.6	8.8
-62.5°	14.3	13.9	13.5	13.1	12.6	12.1	11.5	10.7	9.9	9.2	8.4
-63.75°	13.9	13.5	13.1	12.6	12.2	11.6	10.9	10.2	9.4	8.7	8.0
-65°	13.5	13.1	12.6	12.2	11.7	11.0	10.3	9.6	8.9	8.3	7.7
-66.25°	13.0	12.6	12.2	11.7	11.1	10.4	9.8	9.1	8.4	7.9	7.3
-67.5°	12.5	12.1	11.6	11.0	10.4	9.8	9.2	8.5	8.0	7.5	6.9
-68.75°	12.0	11.5	10.9	10.3	9.8	9.2	8.6	8.1	7.6	7.1	6.6
-70°	11.3	10.7	10.2	9.6	9.1	8.5	8.1	7.6	7.1	6.6	6.2
-71.25°	10.5	9.9	9.4	8.9	8.4	8.0	7.6	7.1	6.7	6.2	5.8
-72.5°	9.6	9.2	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	5.0
-75°	8.1	7.8	7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.7
-76.25°	7.4	7.1	6.8	6.5	6.2	5.9	5.5	5.2	4.9	4.6	4.3
-77.5°	6.7	6.5	6.2	5.9	5.6	5.3	5.0	4.8	4.5	4.2	3.9



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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	5.3	5.0	4.8	4.5	4.3	4.0	3.8	3.5
-80°	5.4	5.2	4.9	4.7	4.5	4.3	4.0	3.8	3.6	3.4	3.1
-81.25°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-82.5°	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.9	2.7	2.5	2.3
-83.75°	3.4	3.2	3.1	3.0	2.8	2.7	2.5	2.4	2.2	2.1	2.0
-85°	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6
-86.25°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3	1.2
-87.5°	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
-88.75°	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-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°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
86.25°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
85°	1.4	1.3	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.2
83.75°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
82.5°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
81.25°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
80°	2.9	2.6	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
78.75°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.4	1.1	0.8	0.5
77.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
76.25°	4.0	3.6	3.3	3.0	2.6	2.3	2.0	1.7	1.3	1.0	0.7
75°	4.3	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
73.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.8
72.5°	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.8
71.25°	5.3	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
70°	5.7	5.2	4.8	4.3	3.8	3.3	2.9	2.4	1.9	1.4	1.0
68.75°	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
67.5°	6.4	5.9	5.3	4.8	4.3	3.7	3.2	2.7	2.1	1.6	1.1
66.25°	6.7	6.2	5.6	5.0	4.5	3.9	3.4	2.8	2.3	1.7	1.1
65°	7.1	6.5	5.9	5.3	4.7	4.1	3.5	3.0	2.4	1.8	1.2
63.75°	7.4	6.8	6.2	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.2
62.5°	7.8	7.1	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3
61.25°	8.1	7.4	6.7	6.0	5.4	4.7	4.0	3.4	2.7	2.0	1.3
60°	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.4
58.75°	8.8	8.0	7.3	6.5	5.8	5.1	4.3	3.6	2.9	2.2	1.5
57.5°	9.2	8.3	7.5	6.8	6.0	5.3	4.5	3.8	3.0	2.3	1.5
56.25°	9.6	8.6	7.8	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.6
55°	10.0	9.0	8.1	7.3	6.4	5.6	4.8	4.0	3.2	2.4	1.6
53.75°	10.3	9.3	8.3	7.5	6.6	5.8	5.0	4.1	3.3	2.5	1.7
52.5°	10.7	9.6	8.6	7.7	6.8	6.0	5.1	4.3	3.4	2.6	1.7
51.25°	11.1	10.0	8.9	7.9	7.0	6.1	5.2	4.4	3.5	2.6	1.8
50°	11.4	10.3	9.2	8.2	7.2	6.3	5.4	4.5	3.6	2.7	1.8
48.75°	11.8	10.6	9.5	8.4	7.4	6.5	5.5	4.6	3.7	2.8	1.8
47.5°	12.1	10.9	9.8	8.6	7.6	6.6	5.7	4.7	3.8	2.8	1.9
46.25°	12.3	11.2	10.1	8.9	7.8	6.8	5.8	4.8	3.9	2.9	1.9
45°	12.5	11.5	10.3	9.1	8.0	7.0	5.9	4.9	4.0	3.0	2.0
43.75°	12.7	11.8	10.6	9.3	8.2	7.1	6.1	5.1	4.0	3.0	2.0
42.5°	12.8	12.1	10.9	9.6	8.3	7.3	6.2	5.2	4.1	3.1	2.1
41.25°	13.0	12.2	11.1	9.8	8.5	7.4	6.3	5.3	4.2	3.2	2.1
40°	13.2	12.4	11.4	10.0	8.7	7.6	6.5	5.4	4.3	3.2	2.1
38.75°	13.4	12.6	11.6	10.3	8.9	7.7	6.6	5.5	4.4	3.3	2.2
37.5°	13.6	12.7	11.8	10.5	9.1	7.8	6.7	5.5	4.4	3.3	2.2
36.25°	13.7	12.9	12.0	10.7	9.3	8.0	6.8	5.6	4.5	3.4	2.3
35°	13.9	13.0	12.2	10.9	9.4	8.1	6.9	5.7	4.6	3.4	2.3



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	14.0	13.2	12.3	11.1	9.6	8.2	7.0	5.8	4.7	3.5	2.3
32.5°	14.2	13.3	12.4	11.3	9.8	8.4	7.1	5.9	4.7	3.5	2.4
31.25°	14.3	13.4	12.6	11.4	10.0	8.5	7.2	6.0	4.8	3.6	2.4
30°	14.4	13.6	12.7	11.6	10.1	8.6	7.3	6.1	4.8	3.6	2.4
28.75°	14.4	13.7	12.8	11.8	10.3	8.7	7.4	6.2	4.9	3.7	2.5
27.5°	14.5	13.8	12.9	12.0	10.4	8.9	7.5	6.2	5.0	3.7	2.5
26.25°	14.6	13.9	13.0	12.1	10.5	9.0	7.6	6.3	5.0	3.8	2.5
25°	14.7	14.0	13.1	12.2	10.7	9.1	7.7	6.4	5.1	3.8	2.5
23.75°	14.8	14.1	13.2	12.2	10.8	9.2	7.8	6.4	5.1	3.8	2.6
22.5°	14.8	14.2	13.3	12.3	10.9	9.3	7.8	6.5	5.2	3.9	2.6
21.25°	14.9	14.3	13.4	12.4	11.0	9.4	7.9	6.6	5.2	3.9	2.6
20°	15.0	14.3	13.5	12.5	11.1	9.5	8.0	6.6	5.3	3.9	2.6
18.75°	15.0	14.4	13.5	12.5	11.2	9.6	8.0	6.7	5.3	4.0	2.7
17.5°	15.1	14.4	13.6	12.6	11.3	9.7	8.1	6.7	5.3	4.0	2.7
16.25°	15.2	14.5	13.7	12.7	11.4	9.8	8.2	6.8	5.4	4.0	2.7
15°	15.2	14.5	13.7	12.7	11.5	9.8	8.2	6.8	5.4	4.1	2.7
13.75°	15.3	14.6	13.8	12.8	11.6	9.9	8.2	6.8	5.4	4.1	2.7
12.5°	15.3	14.6	13.8	12.8	11.7	10.0	8.3	6.9	5.5	4.1	2.7
11.25°	15.3	14.6	13.9	12.9	11.7	10.0	8.3	6.9	5.5	4.1	2.7
10°	15.4	14.7	13.9	12.9	11.8	10.1	8.4	6.9	5.5	4.1	2.8
8.75°	15.4	14.7	14.0	12.9	11.8	10.1	8.4	7.0	5.5	4.2	2.8
7.5°	15.4	14.7	14.0	13.0	11.9	10.1	8.4	7.0	5.6	4.2	2.8
6.25°	15.4	14.8	14.0	13.0	11.9	10.2	8.4	7.0	5.6	4.2	2.8
5°	15.5	14.8	14.1	13.0	11.9	10.2	8.5	7.0	5.6	4.2	2.8
3.75°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
2.5°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
1.25°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
0°	15.5	14.8	14.1	13.1	12.0	10.3	8.5	7.1	5.6	4.2	2.8
-1.25°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
-2.5°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
-3.75°	15.5	14.8	14.1	13.0	12.0	10.2	8.5	7.0	5.6	4.2	2.8
-5°	15.5	14.8	14.1	13.0	11.9	10.2	8.5	7.0	5.6	4.2	2.8
-6.25°	15.4	14.8	14.0	13.0	11.9	10.2	8.4	7.0	5.6	4.2	2.8
-7.5°	15.4	14.7	14.0	13.0	11.9	10.1	8.4	7.0	5.6	4.2	2.8
-8.75°	15.4	14.7	14.0	12.9	11.8	10.1	8.4	7.0	5.5	4.2	2.8
-10°	15.4	14.7	13.9	12.9	11.8	10.1	8.4	6.9	5.5	4.1	2.8
-11.25°	15.3	14.6	13.9	12.9	11.7	10.0	8.3	6.9	5.5	4.1	2.7
-12.5°	15.3	14.6	13.8	12.8	11.7	10.0	8.3	6.9	5.5	4.1	2.7
-13.75°	15.3	14.6	13.8	12.8	11.6	9.9	8.2	6.8	5.4	4.1	2.7
-15°	15.2	14.5	13.7	12.7	11.5	9.8	8.2	6.8	5.4	4.1	2.7
-16.25°	15.2	14.5	13.7	12.7	11.4	9.8	8.2	6.8	5.4	4.0	2.7
-17.5°	15.1	14.4	13.6	12.6	11.3	9.7	8.1	6.7	5.3	4.0	2.7
-18.75°	15.0	14.4	13.5	12.5	11.2	9.6	8.0	6.7	5.3	4.0	2.7
-20°	15.0	14.3	13.5	12.5	11.1	9.5	8.0	6.6	5.3	3.9	2.6
-21.25°	14.9	14.3	13.4	12.4	11.0	9.4	7.9	6.6	5.2	3.9	2.6



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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°	14.8	14.2	13.3	12.3	10.9	9.3	7.8	6.5	5.2	3.9	2.6
-23.75°	14.8	14.1	13.2	12.2	10.8	9.2	7.8	6.4	5.1	3.8	2.6
-25°	14.7	14.0	13.1	12.2	10.7	9.1	7.7	6.4	5.1	3.8	2.5
-26.25°	14.6	13.9	13.0	12.1	10.5	9.0	7.6	6.3	5.0	3.8	2.5
-27.5°	14.5	13.8	12.9	12.0	10.4	8.9	7.5	6.2	5.0	3.7	2.5
-28.75°	14.4	13.7	12.8	11.8	10.3	8.7	7.4	6.2	4.9	3.7	2.5
-30°	14.4	13.6	12.7	11.6	10.1	8.6	7.3	6.1	4.8	3.6	2.4
-31.25°	14.3	13.4	12.6	11.4	10.0	8.5	7.2	6.0	4.8	3.6	2.4
-32.5°	14.2	13.3	12.4	11.3	9.8	8.4	7.1	5.9	4.7	3.5	2.4
-33.75°	14.0	13.2	12.3	11.1	9.6	8.2	7.0	5.8	4.7	3.5	2.3
-35°	13.9	13.0	12.2	10.9	9.4	8.1	6.9	5.7	4.6	3.4	2.3
-36.25°	13.7	12.9	12.0	10.7	9.3	8.0	6.8	5.6	4.5	3.4	2.3
-37.5°	13.6	12.7	11.8	10.5	9.1	7.8	6.7	5.5	4.4	3.3	2.2
-38.75°	13.4	12.6	11.6	10.3	8.9	7.7	6.6	5.5	4.4	3.3	2.2
-40°	13.2	12.4	11.4	10.0	8.7	7.6	6.5	5.4	4.3	3.2	2.1
-41.25°	13.0	12.2	11.1	9.8	8.5	7.4	6.3	5.3	4.2	3.2	2.1
-42.5°	12.8	12.1	10.9	9.6	8.3	7.3	6.2	5.2	4.1	3.1	2.1
-43.75°	12.7	11.8	10.6	9.3	8.2	7.1	6.1	5.1	4.0	3.0	2.0
-45°	12.5	11.5	10.3	9.1	8.0	7.0	5.9	4.9	4.0	3.0	2.0
-46.25°	12.3	11.2	10.1	8.9	7.8	6.8	5.8	4.8	3.9	2.9	1.9
-47.5°	12.1	10.9	9.8	8.6	7.6	6.6	5.7	4.7	3.8	2.8	1.9
-48.75°	11.8	10.6	9.5	8.4	7.4	6.5	5.5	4.6	3.7	2.8	1.8
-50°	11.4	10.3	9.2	8.2	7.2	6.3	5.4	4.5	3.6	2.7	1.8
-51.25°	11.1	10.0	8.9	7.9	7.0	6.1	5.2	4.4	3.5	2.6	1.8
-52.5°	10.7	9.6	8.6	7.7	6.8	6.0	5.1	4.3	3.4	2.6	1.7
-53.75°	10.3	9.3	8.3	7.5	6.6	5.8	5.0	4.1	3.3	2.5	1.7
-55°	10.0	9.0	8.1	7.3	6.4	5.6	4.8	4.0	3.2	2.4	1.6
-56.25°	9.6	8.6	7.8	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.6
-57.5°	9.2	8.3	7.5	6.8	6.0	5.3	4.5	3.8	3.0	2.3	1.5
-58.75°	8.8	8.0	7.3	6.5	5.8	5.1	4.3	3.6	2.9	2.2	1.5
-60°	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.4
-61.25°	8.1	7.4	6.7	6.0	5.4	4.7	4.0	3.4	2.7	2.0	1.3
-62.5°	7.8	7.1	6.5	5.8	5.2	4.5	3.9	3.2	2.6	1.9	1.3
-63.75°	7.4	6.8	6.2	5.5	4.9	4.3	3.7	3.1	2.5	1.9	1.2
-65°	7.1	6.5	5.9	5.3	4.7	4.1	3.5	3.0	2.4	1.8	1.2
-66.25°	6.7	6.2	5.6	5.0	4.5	3.9	3.4	2.8	2.3	1.7	1.1
-67.5°	6.4	5.9	5.3	4.8	4.3	3.7	3.2	2.7	2.1	1.6	1.1
-68.75°	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0
-70°	5.7	5.2	4.8	4.3	3.8	3.3	2.9	2.4	1.9	1.4	1.0
-71.25°	5.3	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
-72.5°	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.8
-73.75°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.8
-75°	4.3	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.4	1.1	0.7
-76.25°	4.0	3.6	3.3	3.0	2.6	2.3	2.0	1.7	1.3	1.0	0.7
-77.5°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6



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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°	3.2	3.0	2.7	2.4	2.2	1.9	1.6	1.4	1.1	0.8	0.5
-80°	2.9	2.6	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-81.25°	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.4
-82.5°	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-83.75°	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-85°	1.4	1.3	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.2
-86.25°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2
-87.5°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-88.75°	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.1	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.2	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.2	0.0
78.75°	0.3	0.0
77.5°	0.3	0.0
76.25°	0.3	0.0
75°	0.4	0.0
73.75°	0.4	0.0
72.5°	0.4	0.0
71.25°	0.4	0.0
70°	0.5	0.0
68.75°	0.5	0.0
67.5°	0.5	0.0
66.25°	0.6	0.0
65°	0.6	0.0
63.75°	0.6	0.0
62.5°	0.6	0.0
61.25°	0.7	0.0
60°	0.7	0.0
58.75°	0.7	0.0
57.5°	0.8	0.0
56.25°	0.8	0.0
55°	0.8	0.0
53.75°	0.8	0.0
52.5°	0.9	0.0
51.25°	0.9	0.0
50°	0.9	0.0
48.75°	0.9	0.0
47.5°	0.9	0.0
46.25°	1.0	0.0
45°	1.0	0.0
43.75°	1.0	0.0
42.5°	1.0	0.0
41.25°	1.1	0.0
40°	1.1	0.0
38.75°	1.1	0.0
37.5°	1.1	0.0
36.25°	1.1	0.0
35°	1.1	0.0



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

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.2	0.0
32.5°	1.2	0.0
31.25°	1.2	0.0
30°	1.2	0.0
28.75°	1.2	0.0
27.5°	1.2	0.0
26.25°	1.3	0.0
25°	1.3	0.0
23.75°	1.3	0.0
22.5°	1.3	0.0
21.25°	1.3	0.0
20°	1.3	0.0
18.75°	1.3	0.0
17.5°	1.3	0.0
16.25°	1.3	0.0
15°	1.4	0.0
13.75°	1.4	0.0
12.5°	1.4	0.0
11.25°	1.4	0.0
10°	1.4	0.0
8.75°	1.4	0.0
7.5°	1.4	0.0
6.25°	1.4	0.0
5°	1.4	0.0
3.75°	1.4	0.0
2.5°	1.4	0.0
1.25°	1.4	0.0
0°	1.4	0.0
-1.25°	1.4	0.0
-2.5°	1.4	0.0
-3.75°	1.4	0.0
-5°	1.4	0.0
-6.25°	1.4	0.0
-7.5°	1.4	0.0
-8.75°	1.4	0.0
-10°	1.4	0.0
-11.25°	1.4	0.0
-12.5°	1.4	0.0
-13.75°	1.4	0.0
-15°	1.4	0.0
-16.25°	1.3	0.0
-17.5°	1.3	0.0
-18.75°	1.3	0.0
-20°	1.3	0.0
-21.25°	1.3	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.3	0.0
-23.75°	1.3	0.0
-25°	1.3	0.0
-26.25°	1.3	0.0
-27.5°	1.2	0.0
-28.75°	1.2	0.0
-30°	1.2	0.0
-31.25°	1.2	0.0
-32.5°	1.2	0.0
-33.75°	1.2	0.0
-35°	1.1	0.0
-36.25°	1.1	0.0
-37.5°	1.1	0.0
-38.75°	1.1	0.0
-40°	1.1	0.0
-41.25°	1.1	0.0
-42.5°	1.0	0.0
-43.75°	1.0	0.0
-45°	1.0	0.0
-46.25°	1.0	0.0
-47.5°	0.9	0.0
-48.75°	0.9	0.0
-50°	0.9	0.0
-51.25°	0.9	0.0
-52.5°	0.9	0.0
-53.75°	0.8	0.0
-55°	0.8	0.0
-56.25°	0.8	0.0
-57.5°	0.8	0.0
-58.75°	0.7	0.0
-60°	0.7	0.0
-61.25°	0.7	0.0
-62.5°	0.6	0.0
-63.75°	0.6	0.0
-65°	0.6	0.0
-66.25°	0.6	0.0
-67.5°	0.5	0.0
-68.75°	0.5	0.0
-70°	0.5	0.0
-71.25°	0.4	0.0
-72.5°	0.4	0.0
-73.75°	0.4	0.0
-75°	0.4	0.0
-76.25°	0.3	0.0
-77.5°	0.3	0.0



REPORT NUMBER: P220464 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-78.75°	0.3	0.0
-80°	0.2	0.0
-81.25°	0.2	0.0
-82.5°	0.2	0.0
-83.75°	0.2	0.0
-85°	0.1	0.0
-86.25°	0.1	0.0
-87.5°	0.1	0.0
-88.75°	0.0	0.0
-90°	0.0	0.0

(END OF REPORT)