

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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

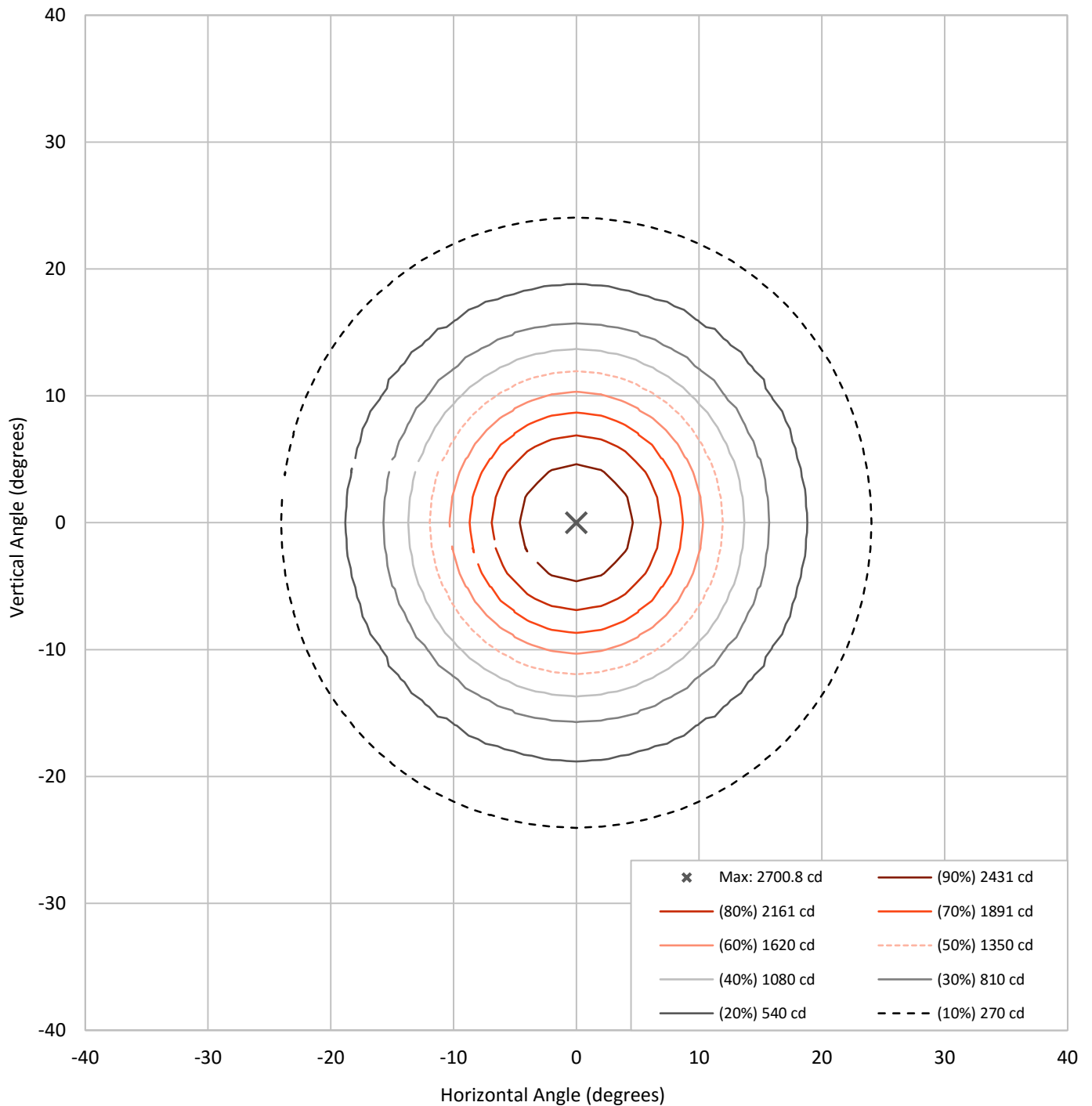
Test Method: LM-79-08
Report Number: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-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:	661.4 lumens	Max Intensity:	2700.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	67.5 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:	263.8 lumens	Field Lumens:	518.8 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





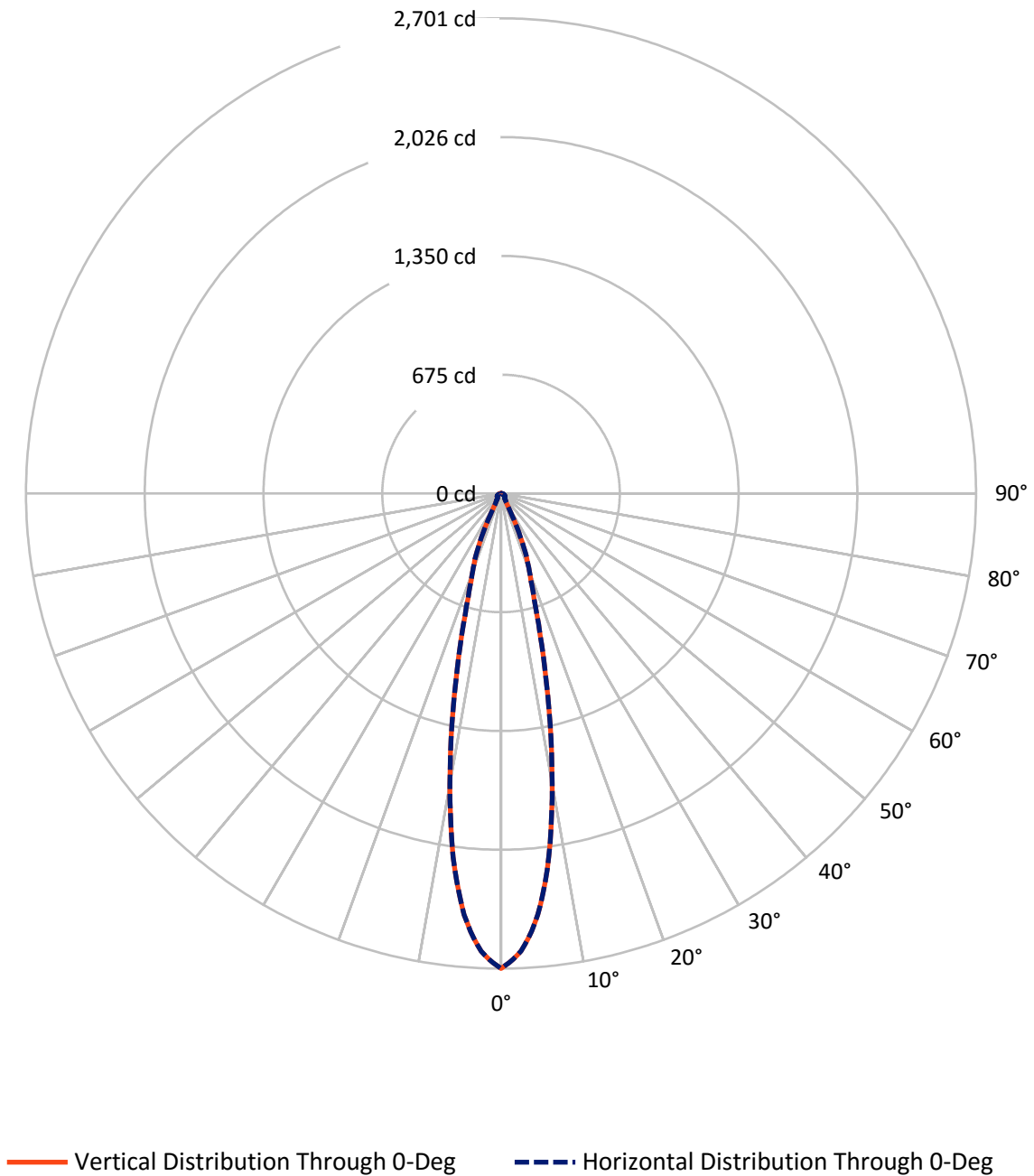
REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
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Lumen Table

90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
80	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
70	0.1	0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1	0.1			
60		0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1	0.1			
40		0.2	0.4	0.6	0.7	0.9	1.0	1.2	1.2	1.0	0.9	0.7	0.6	0.4	0.2				
30	0.2	0.2	0.4	0.6	0.8	1.1	2.9	6.3	6.3	2.9	1.1	0.8	0.6	0.4	0.2	0.2			
20		0.2	0.5	0.6	0.9	2.7	12.4	25.3	25.3	12.4	2.7	0.9	0.6	0.5	0.2				
10	0.2	0.2	0.5	0.6	1.0	5.8	24.6	60.7	60.7	24.6	5.8	1.0	0.6	0.5	0.2	0.2			
0		0.2	0.5	0.6	1.0	5.8	24.6	60.7	60.7	24.6	5.8	1.0	0.6	0.5	0.2				
-10	0.2	0.2	0.5	0.6	1.0	5.8	24.6	60.7	60.7	24.6	5.8	1.0	0.6	0.5	0.2	0.2			
-20		0.2	0.4	0.6	0.8	1.1	2.9	6.3	6.3	2.9	1.1	0.8	0.6	0.4	0.2				
-30	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.2	1.2	1.0	0.9	0.7	0.6	0.4	0.2	0.1			
-40		0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1				
-50	0.1	0.1	0.2	0.4	0.5	0.7	0.8	0.8	0.8	0.8	0.7	0.5	0.4	0.2	0.1	0.1			
-60		0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.1				
-70	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0						0.0				
-80		0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0										
-90	0.0	0.2	0.4	0.6	0.7	0.6	0.4	0.2	0.0						0.0				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

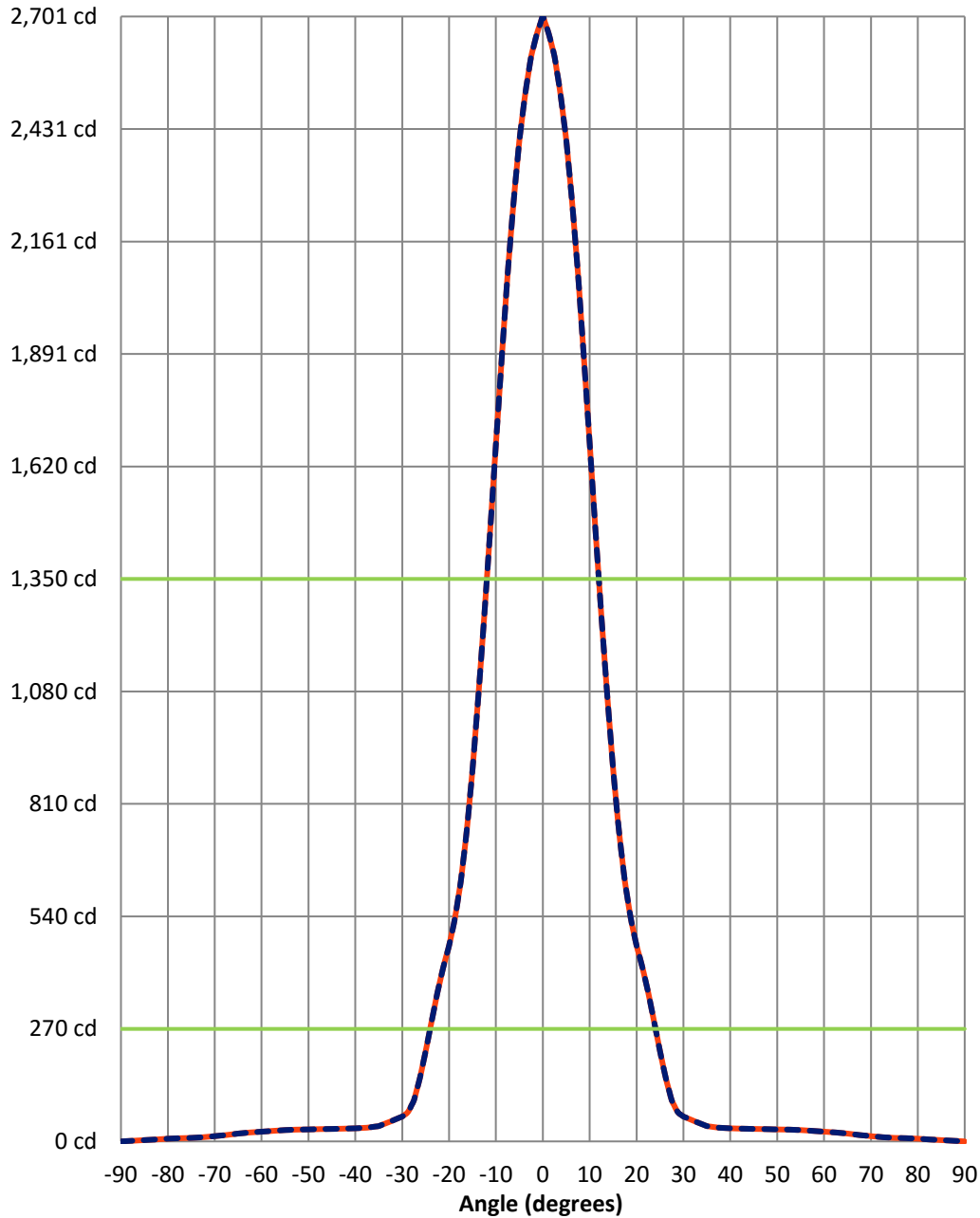
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.9°
 V Angle: 23.9°
 Lumens: 263.8
 Efficiency: 39.9%

Field:
 H Angle: 48.1°
 V Angle: 48.1°
 Lumens: 518.8
 Efficiency: 78.4%

Spill:
 Lumens: 142.6
 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	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
83.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8
82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
81.25°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
80°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
78.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
77.5°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.1	1.3	1.5	1.6
76.25°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.8
75°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.8	2.0
73.75°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.5	1.7	1.9	2.1
72.5°	0.0	0.2	0.5	0.7	0.9	1.1	1.3	1.6	1.8	2.1	2.3
71.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.4	1.7	1.9	2.2	2.5
70°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.1	2.3	2.6
68.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.8
67.5°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.6	2.9
66.25°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.5	2.8	3.1
65°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.3	2.6	2.9	3.2
63.75°	0.0	0.3	0.7	1.0	1.3	1.7	2.0	2.4	2.7	3.1	3.4
62.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.5	2.8	3.2	3.5
61.25°	0.0	0.4	0.7	1.1	1.4	1.8	2.2	2.6	3.0	3.3	3.7
60°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.7	3.1	3.5	3.8
58.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
57.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.5	2.9	3.3	3.7	4.1
56.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.6	3.0	3.4	3.8	4.2
55°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.1	3.5	4.0	4.4
53.75°	0.0	0.4	0.9	1.3	1.8	2.3	2.7	3.2	3.6	4.1	4.5
52.5°	0.0	0.5	0.9	1.4	1.8	2.3	2.8	3.3	3.7	4.2	4.7
51.25°	0.0	0.5	0.9	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.8
50°	0.0	0.5	1.0	1.4	2.0	2.5	3.0	3.5	3.9	4.4	5.0
48.75°	0.0	0.5	1.0	1.5	2.0	2.5	3.1	3.6	4.0	4.5	5.1
47.5°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.7	5.3
46.25°	0.0	0.5	1.0	1.6	2.1	2.7	3.2	3.7	4.2	4.8	5.4
45°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.9	5.6
43.75°	0.0	0.5	1.1	1.6	2.2	2.8	3.3	3.9	4.4	5.1	5.7
42.5°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	4.0	4.5	5.2	5.9
41.25°	0.0	0.6	1.1	1.7	2.3	2.9	3.5	4.0	4.6	5.3	6.0
40°	0.0	0.6	1.1	1.7	2.4	3.0	3.5	4.1	4.7	5.4	6.2
38.75°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.6	6.3
37.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.3	4.9	5.7	6.4
36.25°	0.0	0.6	1.2	1.8	2.5	3.1	3.7	4.3	5.0	5.8	6.5
35°	0.0	0.6	1.2	1.9	2.5	3.2	3.8	4.4	5.1	5.9	6.6



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.6	1.2	1.9	2.6	3.2	3.8	4.5	5.2	6.0	6.7
32.5°	0.0	0.6	1.3	1.9	2.6	3.3	3.9	4.5	5.3	6.1	6.7
31.25°	0.0	0.6	1.3	2.0	2.6	3.3	3.9	4.6	5.4	6.2	6.8
30°	0.0	0.6	1.3	2.0	2.7	3.3	4.0	4.7	5.5	6.3	6.9
28.75°	0.0	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.6	6.4	7.0
27.5°	0.0	0.7	1.3	2.0	2.7	3.4	4.1	4.8	5.6	6.5	7.0
26.25°	0.0	0.7	1.3	2.1	2.8	3.5	4.1	4.9	5.7	6.5	7.1
25°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.8	6.6	7.1
23.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	5.0	5.9	6.6	7.2
22.5°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	5.0	5.9	6.7	7.2
21.25°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	5.1	6.0	6.7	7.3
20°	0.0	0.7	1.4	2.2	2.9	3.6	4.3	5.1	6.0	6.8	7.3
18.75°	0.0	0.7	1.4	2.2	2.9	3.7	4.4	5.2	6.1	6.8	7.4
17.5°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.2	6.1	6.8	7.4
16.25°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.3	6.2	6.9	7.5
15°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.3	6.2	6.9	7.5
13.75°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.4	6.3	6.9	7.5
12.5°	0.0	0.7	1.5	2.2	3.0	3.8	4.5	5.4	6.3	7.0	7.6
11.25°	0.0	0.7	1.5	2.3	3.0	3.8	4.5	5.4	6.4	7.0	7.6
10°	0.0	0.7	1.5	2.3	3.1	3.8	4.5	5.4	6.4	7.0	7.6
8.75°	0.0	0.7	1.5	2.3	3.1	3.8	4.5	5.5	6.4	7.0	7.6
7.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.4	7.1	7.6
6.25°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
3.75°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
2.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
1.25°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
0°	0.0	0.7	1.5	2.3	3.1	3.9	4.6	5.6	6.5	7.1	7.7
-1.25°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
-2.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
-3.75°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
-5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
-6.25°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.5	7.1	7.7
-7.5°	0.0	0.7	1.5	2.3	3.1	3.8	4.6	5.5	6.4	7.1	7.6
-8.75°	0.0	0.7	1.5	2.3	3.1	3.8	4.5	5.5	6.4	7.0	7.6
-10°	0.0	0.7	1.5	2.3	3.1	3.8	4.5	5.4	6.4	7.0	7.6
-11.25°	0.0	0.7	1.5	2.3	3.0	3.8	4.5	5.4	6.4	7.0	7.6
-12.5°	0.0	0.7	1.5	2.2	3.0	3.8	4.5	5.4	6.3	7.0	7.6
-13.75°	0.0	0.7	1.5	2.2	3.0	3.7	4.5	5.4	6.3	6.9	7.5
-15°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.3	6.2	6.9	7.5
-16.25°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.3	6.2	6.9	7.5
-17.5°	0.0	0.7	1.4	2.2	3.0	3.7	4.4	5.2	6.1	6.8	7.4
-18.75°	0.0	0.7	1.4	2.2	2.9	3.7	4.4	5.2	6.1	6.8	7.4
-20°	0.0	0.7	1.4	2.2	2.9	3.6	4.3	5.1	6.0	6.8	7.3
-21.25°	0.0	0.7	1.4	2.1	2.9	3.6	4.3	5.1	6.0	6.7	7.3



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.3	1.5
-80°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.2	1.3
-81.25°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-82.5°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-83.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8
-85°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.6
-86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5
-87.5°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
-88.75°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2
-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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
86.25°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
85°	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
83.75°	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
82.5°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
81.25°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
80°	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7
78.75°	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	2.9	3.1
77.5°	1.8	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4
76.25°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.7
75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.0
73.75°	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
72.5°	2.5	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7
71.25°	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8	5.1
70°	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.5
68.75°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	5.0	5.3	5.6	5.9
67.5°	3.2	3.5	3.8	4.1	4.3	4.6	5.0	5.3	5.6	6.0	6.3
66.25°	3.4	3.7	4.0	4.3	4.6	4.9	5.3	5.6	6.0	6.3	6.6
65°	3.6	3.9	4.2	4.5	4.8	5.2	5.6	6.0	6.3	6.6	6.9
63.75°	3.7	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.1
62.5°	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.8	7.1	7.4
61.25°	4.0	4.4	4.8	5.2	5.7	6.1	6.5	6.8	7.1	7.3	7.6
60°	4.2	4.6	5.0	5.5	5.9	6.4	6.7	7.0	7.3	7.6	7.8
58.75°	4.3	4.8	5.2	5.7	6.2	6.6	6.9	7.2	7.5	7.7	7.9
57.5°	4.5	5.0	5.5	6.0	6.5	6.8	7.1	7.4	7.7	7.9	8.0
56.25°	4.7	5.2	5.7	6.2	6.6	7.0	7.3	7.6	7.8	8.0	8.2
55°	4.9	5.4	5.9	6.4	6.8	7.1	7.5	7.8	7.9	8.1	8.3
53.75°	5.0	5.6	6.1	6.6	7.0	7.3	7.6	7.9	8.1	8.3	8.5
52.5°	5.2	5.8	6.4	6.8	7.1	7.5	7.8	8.0	8.2	8.4	8.8
51.25°	5.4	6.0	6.5	6.9	7.3	7.6	7.9	8.1	8.3	8.6	9.1
50°	5.6	6.2	6.7	7.0	7.4	7.8	8.0	8.2	8.4	8.9	9.4
48.75°	5.8	6.4	6.8	7.2	7.6	7.8	8.1	8.3	8.7	9.2	9.7
47.5°	5.9	6.5	6.9	7.3	7.7	7.9	8.2	8.4	8.9	9.4	9.9
46.25°	6.1	6.6	7.1	7.5	7.8	8.0	8.3	8.6	9.1	9.7	10.3
45°	6.3	6.8	7.2	7.6	7.9	8.1	8.4	8.8	9.4	9.9	10.8
43.75°	6.4	6.9	7.3	7.7	8.0	8.2	8.5	9.1	9.6	10.3	11.2
42.5°	6.5	7.0	7.4	7.8	8.0	8.3	8.7	9.3	9.9	10.7	11.6
41.25°	6.6	7.1	7.5	7.9	8.1	8.4	8.9	9.5	10.1	11.1	12.0
40°	6.7	7.2	7.6	7.9	8.2	8.5	9.1	9.7	10.5	11.4	12.4
38.75°	6.8	7.3	7.7	8.0	8.3	8.7	9.3	9.9	10.8	11.8	12.8
37.5°	6.9	7.4	7.8	8.1	8.3	8.9	9.5	10.2	11.2	12.2	13.2
36.25°	7.0	7.5	7.9	8.1	8.4	9.0	9.7	10.5	11.5	12.5	13.6
35°	7.1	7.6	7.9	8.2	8.6	9.2	9.9	10.8	11.8	12.9	13.9



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	7.2	7.7	8.0	8.3	8.7	9.4	10.0	11.1	12.1	13.2	14.3
32.5°	7.3	7.7	8.0	8.3	8.9	9.5	10.3	11.4	12.5	13.6	14.7
31.25°	7.3	7.8	8.1	8.4	9.0	9.7	10.6	11.7	12.8	13.9	15.0
30°	7.4	7.8	8.1	8.5	9.1	9.8	10.8	11.9	13.0	14.2	15.3
28.75°	7.5	7.9	8.2	8.6	9.3	10.0	11.1	12.2	13.3	14.5	15.7
27.5°	7.5	7.9	8.2	8.7	9.4	10.2	11.3	12.4	13.6	14.8	16.1
26.25°	7.6	8.0	8.3	8.8	9.5	10.4	11.5	12.7	13.9	15.1	16.5
25°	7.7	8.0	8.3	8.9	9.6	10.6	11.7	12.9	14.1	15.3	16.9
23.75°	7.7	8.0	8.4	9.0	9.8	10.8	11.9	13.1	14.4	15.7	17.2
22.5°	7.8	8.1	8.4	9.1	9.9	11.0	12.1	13.4	14.6	16.0	17.6
21.25°	7.8	8.1	8.5	9.2	10.0	11.1	12.3	13.6	14.8	16.3	17.9
20°	7.8	8.1	8.6	9.3	10.1	11.3	12.5	13.8	15.0	16.6	18.2
18.75°	7.8	8.2	8.6	9.4	10.2	11.5	12.7	13.9	15.2	16.8	18.5
17.5°	7.9	8.2	8.7	9.5	10.4	11.6	12.8	14.1	15.4	17.1	18.7
16.25°	7.9	8.2	8.8	9.5	10.5	11.7	13.0	14.3	15.6	17.3	18.9
15°	7.9	8.3	8.8	9.6	10.6	11.9	13.1	14.4	15.9	17.5	19.1
13.75°	7.9	8.3	8.9	9.7	10.7	12.0	13.3	14.6	16.0	17.7	19.3
12.5°	8.0	8.3	8.9	9.7	10.8	12.1	13.4	14.7	16.2	17.9	19.4
11.25°	8.0	8.3	9.0	9.8	10.9	12.2	13.5	14.8	16.4	18.1	19.5
10°	8.0	8.3	9.0	9.8	11.0	12.3	13.6	14.9	16.5	18.2	19.7
8.75°	8.0	8.3	9.1	9.9	11.1	12.3	13.7	15.0	16.6	18.4	19.8
7.5°	8.0	8.4	9.1	9.9	11.1	12.4	13.7	15.1	16.7	18.5	19.8
6.25°	8.0	8.4	9.1	9.9	11.2	12.5	13.8	15.1	16.8	18.6	19.9
5°	8.0	8.4	9.2	10.0	11.2	12.5	13.9	15.2	16.9	18.7	20.0
3.75°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.2	17.0	18.7	20.0
2.5°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.3	17.0	18.8	20.1
1.25°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.3	17.0	18.8	20.1
0°	8.1	8.4	9.2	10.0	11.3	12.6	14.0	15.3	17.1	18.8	20.1
-1.25°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.3	17.0	18.8	20.1
-2.5°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.3	17.0	18.8	20.1
-3.75°	8.0	8.4	9.2	10.0	11.3	12.6	13.9	15.2	17.0	18.7	20.0
-5°	8.0	8.4	9.2	10.0	11.2	12.5	13.9	15.2	16.9	18.7	20.0
-6.25°	8.0	8.4	9.1	9.9	11.2	12.5	13.8	15.1	16.8	18.6	19.9
-7.5°	8.0	8.4	9.1	9.9	11.1	12.4	13.7	15.1	16.7	18.5	19.8
-8.75°	8.0	8.3	9.1	9.9	11.1	12.3	13.7	15.0	16.6	18.4	19.8
-10°	8.0	8.3	9.0	9.8	11.0	12.3	13.6	14.9	16.5	18.2	19.7
-11.25°	8.0	8.3	9.0	9.8	10.9	12.2	13.5	14.8	16.4	18.1	19.5
-12.5°	8.0	8.3	8.9	9.7	10.8	12.1	13.4	14.7	16.2	17.9	19.4
-13.75°	7.9	8.3	8.9	9.7	10.7	12.0	13.3	14.6	16.0	17.7	19.3
-15°	7.9	8.3	8.8	9.6	10.6	11.9	13.1	14.4	15.9	17.5	19.1
-16.25°	7.9	8.2	8.8	9.5	10.5	11.7	13.0	14.3	15.6	17.3	18.9
-17.5°	7.9	8.2	8.7	9.5	10.4	11.6	12.8	14.1	15.4	17.1	18.7
-18.75°	7.8	8.2	8.6	9.4	10.2	11.5	12.7	13.9	15.2	16.8	18.5
-20°	7.8	8.1	8.6	9.3	10.1	11.3	12.5	13.8	15.0	16.6	18.2
-21.25°	7.8	8.1	8.5	9.2	10.0	11.1	12.3	13.6	14.8	16.3	17.9



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	7.8	8.1	8.4	9.1	9.9	11.0	12.1	13.4	14.6	16.0	17.6
-23.75°	7.7	8.0	8.4	9.0	9.8	10.8	11.9	13.1	14.4	15.7	17.2
-25°	7.7	8.0	8.3	8.9	9.6	10.6	11.7	12.9	14.1	15.3	16.9
-26.25°	7.6	8.0	8.3	8.8	9.5	10.4	11.5	12.7	13.9	15.1	16.5
-27.5°	7.5	7.9	8.2	8.7	9.4	10.2	11.3	12.4	13.6	14.8	16.1
-28.75°	7.5	7.9	8.2	8.6	9.3	10.0	11.1	12.2	13.3	14.5	15.7
-30°	7.4	7.8	8.1	8.5	9.1	9.8	10.8	11.9	13.0	14.2	15.3
-31.25°	7.3	7.8	8.1	8.4	9.0	9.7	10.6	11.7	12.8	13.9	15.0
-32.5°	7.3	7.7	8.0	8.3	8.9	9.5	10.3	11.4	12.5	13.6	14.7
-33.75°	7.2	7.7	8.0	8.3	8.7	9.4	10.0	11.1	12.1	13.2	14.3
-35°	7.1	7.6	7.9	8.2	8.6	9.2	9.9	10.8	11.8	12.9	13.9
-36.25°	7.0	7.5	7.9	8.1	8.4	9.0	9.7	10.5	11.5	12.5	13.6
-37.5°	6.9	7.4	7.8	8.1	8.3	8.9	9.5	10.2	11.2	12.2	13.2
-38.75°	6.8	7.3	7.7	8.0	8.3	8.7	9.3	9.9	10.8	11.8	12.8
-40°	6.7	7.2	7.6	7.9	8.2	8.5	9.1	9.7	10.5	11.4	12.4
-41.25°	6.6	7.1	7.5	7.9	8.1	8.4	8.9	9.5	10.1	11.1	12.0
-42.5°	6.5	7.0	7.4	7.8	8.0	8.3	8.7	9.3	9.9	10.7	11.6
-43.75°	6.4	6.9	7.3	7.7	8.0	8.2	8.5	9.1	9.6	10.3	11.2
-45°	6.3	6.8	7.2	7.6	7.9	8.1	8.4	8.8	9.4	9.9	10.8
-46.25°	6.1	6.6	7.1	7.5	7.8	8.0	8.3	8.6	9.1	9.7	10.3
-47.5°	5.9	6.5	6.9	7.3	7.7	7.9	8.2	8.4	8.9	9.4	9.9
-48.75°	5.8	6.4	6.8	7.2	7.6	7.8	8.1	8.3	8.7	9.2	9.7
-50°	5.6	6.2	6.7	7.0	7.4	7.8	8.0	8.2	8.4	8.9	9.4
-51.25°	5.4	6.0	6.5	6.9	7.3	7.6	7.9	8.1	8.3	8.6	9.1
-52.5°	5.2	5.8	6.4	6.8	7.1	7.5	7.8	8.0	8.2	8.4	8.8
-53.75°	5.0	5.6	6.1	6.6	7.0	7.3	7.6	7.9	8.1	8.3	8.5
-55°	4.9	5.4	5.9	6.4	6.8	7.1	7.5	7.8	7.9	8.1	8.3
-56.25°	4.7	5.2	5.7	6.2	6.6	7.0	7.3	7.6	7.8	8.0	8.2
-57.5°	4.5	5.0	5.5	6.0	6.5	6.8	7.1	7.4	7.7	7.9	8.0
-58.75°	4.3	4.8	5.2	5.7	6.2	6.6	6.9	7.2	7.5	7.7	7.9
-60°	4.2	4.6	5.0	5.5	5.9	6.4	6.7	7.0	7.3	7.6	7.8
-61.25°	4.0	4.4	4.8	5.2	5.7	6.1	6.5	6.8	7.1	7.3	7.6
-62.5°	3.9	4.2	4.6	5.0	5.4	5.8	6.2	6.6	6.8	7.1	7.4
-63.75°	3.7	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.6	6.9	7.1
-65°	3.6	3.9	4.2	4.5	4.8	5.2	5.6	6.0	6.3	6.6	6.9
-66.25°	3.4	3.7	4.0	4.3	4.6	4.9	5.3	5.6	6.0	6.3	6.6
-67.5°	3.2	3.5	3.8	4.1	4.3	4.6	5.0	5.3	5.6	6.0	6.3
-68.75°	3.1	3.3	3.6	3.9	4.1	4.4	4.6	5.0	5.3	5.6	5.9
-70°	2.9	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.9	5.2	5.5
-71.25°	2.7	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.6	4.8	5.1
-72.5°	2.5	2.8	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.7
-73.75°	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4
-75°	2.2	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.9	4.0
-76.25°	2.0	2.2	2.3	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.7
-77.5°	1.8	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4



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CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	1.6	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.8	2.9	3.1
-80°	1.4	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.5	2.6	2.7
-81.25°	1.2	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4
-82.5°	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
-83.75°	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
-85°	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3
-86.25°	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
-87.5°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7
-88.75°	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
87.5°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
86.25°	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4
85°	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	2.0
83.75°	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.4	2.5
82.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0
81.25°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
80°	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
78.75°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4
77.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0
76.25°	3.9	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.6
75°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2
73.75°	4.6	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.4	6.5	6.7
72.5°	5.0	5.2	5.5	5.7	6.0	6.2	6.4	6.6	6.8	6.9	7.0
71.25°	5.4	5.7	5.9	6.2	6.5	6.6	6.8	7.0	7.1	7.3	7.4
70°	5.8	6.1	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8
68.75°	6.2	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0
67.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.0	8.1	8.2
66.25°	6.8	7.1	7.3	7.5	7.7	7.8	7.9	8.1	8.2	8.3	8.4
65°	7.1	7.3	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.6	8.9
63.75°	7.4	7.6	7.8	7.9	8.0	8.2	8.3	8.5	8.8	9.1	9.4
62.5°	7.6	7.8	7.9	8.1	8.2	8.4	8.6	8.9	9.2	9.6	9.9
61.25°	7.8	7.9	8.1	8.2	8.4	8.7	9.0	9.4	9.7	10.0	10.5
60°	7.9	8.1	8.3	8.4	8.8	9.1	9.5	9.8	10.2	10.8	11.3
58.75°	8.1	8.2	8.4	8.8	9.2	9.5	9.9	10.4	10.9	11.5	12.1
57.5°	8.2	8.4	8.8	9.2	9.5	9.9	10.5	11.1	11.7	12.2	12.8
56.25°	8.4	8.7	9.1	9.5	9.9	10.5	11.1	11.7	12.4	13.0	13.6
55°	8.6	9.0	9.5	9.9	10.5	11.1	11.8	12.4	13.1	13.7	14.4
53.75°	8.9	9.4	9.8	10.4	11.1	11.7	12.4	13.1	13.8	14.5	15.1
52.5°	9.2	9.7	10.2	10.9	11.7	12.4	13.1	13.8	14.5	15.2	16.0
51.25°	9.6	10.0	10.8	11.5	12.2	13.0	13.7	14.5	15.2	16.1	17.0
50°	9.9	10.5	11.3	12.1	12.8	13.6	14.4	15.1	16.0	17.0	18.0
48.75°	10.2	11.0	11.8	12.6	13.4	14.2	15.0	15.9	16.9	17.9	18.9
47.5°	10.7	11.5	12.3	13.2	14.0	14.8	15.7	16.8	17.8	18.8	19.6
46.25°	11.2	12.0	12.8	13.7	14.6	15.4	16.5	17.6	18.7	19.5	20.2
45°	11.6	12.5	13.4	14.2	15.1	16.2	17.3	18.4	19.3	20.1	20.9
43.75°	12.1	13.0	13.9	14.8	15.8	16.9	18.1	19.1	19.9	20.8	21.5
42.5°	12.5	13.4	14.4	15.3	16.5	17.7	18.8	19.7	20.5	21.4	22.0
41.25°	12.9	13.9	14.8	15.9	17.2	18.4	19.4	20.3	21.1	21.8	22.5
40°	13.4	14.4	15.3	16.6	17.8	19.0	19.9	20.8	21.6	22.3	22.9
38.75°	13.8	14.8	15.9	17.2	18.5	19.5	20.4	21.4	22.0	22.7	23.4
37.5°	14.2	15.2	16.5	17.8	19.0	20.0	21.0	21.8	22.4	23.1	23.8
36.25°	14.6	15.8	17.1	18.4	19.5	20.5	21.4	22.1	22.8	23.6	24.3
35°	15.0	16.3	17.6	19.0	20.0	21.0	21.8	22.5	23.2	24.0	24.7



REPORT NUMBER: P220456 (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°	15.4	16.8	18.2	19.4	20.4	21.4	22.1	22.9	23.6	24.4	25.1
32.5°	15.9	17.3	18.7	19.8	20.8	21.7	22.5	23.2	24.0	24.8	25.5
31.25°	16.4	17.8	19.1	20.2	21.2	22.1	22.8	23.6	24.4	25.2	25.9
30°	16.8	18.3	19.5	20.6	21.6	22.4	23.1	23.9	24.8	25.5	26.3
28.75°	17.2	18.7	19.8	20.9	21.9	22.7	23.5	24.3	25.1	25.9	26.7
27.5°	17.6	19.1	20.2	21.3	22.1	22.9	23.8	24.6	25.4	26.2	27.0
26.25°	18.1	19.4	20.5	21.6	22.4	23.2	24.1	24.9	25.7	26.6	27.3
25°	18.4	19.7	20.8	21.8	22.6	23.5	24.4	25.2	26.0	26.9	27.5
23.75°	18.8	20.0	21.1	22.0	22.9	23.8	24.6	25.5	26.3	27.2	27.7
22.5°	19.1	20.2	21.4	22.3	23.1	24.0	24.9	25.8	26.6	27.3	27.8
21.25°	19.3	20.5	21.6	22.5	23.3	24.2	25.2	26.0	26.9	27.5	28.0
20°	19.5	20.7	21.8	22.7	23.6	24.5	25.4	26.3	27.1	27.7	28.1
18.75°	19.8	21.0	22.0	22.9	23.8	24.7	25.6	26.5	27.3	27.8	28.3
17.5°	20.0	21.2	22.1	23.0	24.0	24.9	25.8	26.7	27.4	27.9	28.3
16.25°	20.2	21.4	22.3	23.2	24.1	25.1	26.0	26.9	27.5	28.1	28.4
15°	20.3	21.5	22.4	23.4	24.3	25.3	26.2	27.1	27.6	28.2	28.4
13.75°	20.5	21.7	22.6	23.5	24.5	25.4	26.3	27.2	27.8	28.3	28.5
12.5°	20.7	21.8	22.7	23.6	24.6	25.6	26.5	27.3	27.8	28.3	28.5
11.25°	20.8	21.9	22.8	23.8	24.7	25.7	26.6	27.4	27.9	28.4	28.6
10°	20.9	22.0	22.9	23.9	24.9	25.8	26.7	27.5	28.0	28.4	28.6
8.75°	21.0	22.1	23.0	24.0	25.0	25.9	26.8	27.5	28.1	28.4	28.6
7.5°	21.1	22.1	23.1	24.1	25.1	26.0	26.9	27.6	28.1	28.4	28.6
6.25°	21.2	22.2	23.2	24.1	25.1	26.1	27.0	27.6	28.2	28.5	28.7
5°	21.3	22.3	23.2	24.2	25.2	26.1	27.1	27.7	28.2	28.5	28.7
3.75°	21.3	22.3	23.2	24.2	25.2	26.2	27.1	27.7	28.3	28.5	28.7
2.5°	21.4	22.3	23.3	24.3	25.3	26.2	27.2	27.7	28.3	28.5	28.7
1.25°	21.4	22.3	23.3	24.3	25.3	26.2	27.2	27.7	28.3	28.5	28.7
0°	21.4	22.4	23.3	24.3	25.3	26.3	27.2	27.8	28.3	28.5	28.7
-1.25°	21.4	22.3	23.3	24.3	25.3	26.2	27.2	27.7	28.3	28.5	28.7
-2.5°	21.4	22.3	23.3	24.3	25.3	26.2	27.2	27.7	28.3	28.5	28.7
-3.75°	21.3	22.3	23.2	24.2	25.2	26.2	27.1	27.7	28.3	28.5	28.7
-5°	21.3	22.3	23.2	24.2	25.2	26.1	27.1	27.7	28.2	28.5	28.7
-6.25°	21.2	22.2	23.2	24.1	25.1	26.1	27.0	27.6	28.2	28.5	28.7
-7.5°	21.1	22.1	23.1	24.1	25.1	26.0	26.9	27.6	28.1	28.4	28.6
-8.75°	21.0	22.1	23.0	24.0	25.0	25.9	26.8	27.5	28.1	28.4	28.6
-10°	20.9	22.0	22.9	23.9	24.9	25.8	26.7	27.5	28.0	28.4	28.6
-11.25°	20.8	21.9	22.8	23.8	24.7	25.7	26.6	27.4	27.9	28.4	28.6
-12.5°	20.7	21.8	22.7	23.6	24.6	25.6	26.5	27.3	27.8	28.3	28.5
-13.75°	20.5	21.7	22.6	23.5	24.5	25.4	26.3	27.2	27.8	28.3	28.5
-15°	20.3	21.5	22.4	23.4	24.3	25.3	26.2	27.1	27.6	28.2	28.4
-16.25°	20.2	21.4	22.3	23.2	24.1	25.1	26.0	26.9	27.5	28.1	28.4
-17.5°	20.0	21.2	22.1	23.0	24.0	24.9	25.8	26.7	27.4	27.9	28.3
-18.75°	19.8	21.0	22.0	22.9	23.8	24.7	25.6	26.5	27.3	27.8	28.3
-20°	19.5	20.7	21.8	22.7	23.6	24.5	25.4	26.3	27.1	27.7	28.1
-21.25°	19.3	20.5	21.6	22.5	23.3	24.2	25.2	26.0	26.9	27.5	28.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	19.1	20.2	21.4	22.3	23.1	24.0	24.9	25.8	26.6	27.3	27.8
-23.75°	18.8	20.0	21.1	22.0	22.9	23.8	24.6	25.5	26.3	27.2	27.7
-25°	18.4	19.7	20.8	21.8	22.6	23.5	24.4	25.2	26.0	26.9	27.5
-26.25°	18.1	19.4	20.5	21.6	22.4	23.2	24.1	24.9	25.7	26.6	27.3
-27.5°	17.6	19.1	20.2	21.3	22.1	22.9	23.8	24.6	25.4	26.2	27.0
-28.75°	17.2	18.7	19.8	20.9	21.9	22.7	23.5	24.3	25.1	25.9	26.7
-30°	16.8	18.3	19.5	20.6	21.6	22.4	23.1	23.9	24.8	25.5	26.3
-31.25°	16.4	17.8	19.1	20.2	21.2	22.1	22.8	23.6	24.4	25.2	25.9
-32.5°	15.9	17.3	18.7	19.8	20.8	21.7	22.5	23.2	24.0	24.8	25.5
-33.75°	15.4	16.8	18.2	19.4	20.4	21.4	22.1	22.9	23.6	24.4	25.1
-35°	15.0	16.3	17.6	19.0	20.0	21.0	21.8	22.5	23.2	24.0	24.7
-36.25°	14.6	15.8	17.1	18.4	19.5	20.5	21.4	22.1	22.8	23.6	24.3
-37.5°	14.2	15.2	16.5	17.8	19.0	20.0	21.0	21.8	22.4	23.1	23.8
-38.75°	13.8	14.8	15.9	17.2	18.5	19.5	20.4	21.4	22.0	22.7	23.4
-40°	13.4	14.4	15.3	16.6	17.8	19.0	19.9	20.8	21.6	22.3	22.9
-41.25°	12.9	13.9	14.8	15.9	17.2	18.4	19.4	20.3	21.1	21.8	22.5
-42.5°	12.5	13.4	14.4	15.3	16.5	17.7	18.8	19.7	20.5	21.4	22.0
-43.75°	12.1	13.0	13.9	14.8	15.8	16.9	18.1	19.1	19.9	20.8	21.5
-45°	11.6	12.5	13.4	14.2	15.1	16.2	17.3	18.4	19.3	20.1	20.9
-46.25°	11.2	12.0	12.8	13.7	14.6	15.4	16.5	17.6	18.7	19.5	20.2
-47.5°	10.7	11.5	12.3	13.2	14.0	14.8	15.7	16.8	17.8	18.8	19.6
-48.75°	10.2	11.0	11.8	12.6	13.4	14.2	15.0	15.9	16.9	17.9	18.9
-50°	9.9	10.5	11.3	12.1	12.8	13.6	14.4	15.1	16.0	17.0	18.0
-51.25°	9.6	10.0	10.8	11.5	12.2	13.0	13.7	14.5	15.2	16.1	17.0
-52.5°	9.2	9.7	10.2	10.9	11.7	12.4	13.1	13.8	14.5	15.2	16.0
-53.75°	8.9	9.4	9.8	10.4	11.1	11.7	12.4	13.1	13.8	14.5	15.1
-55°	8.6	9.0	9.5	9.9	10.5	11.1	11.8	12.4	13.1	13.7	14.4
-56.25°	8.4	8.7	9.1	9.5	9.9	10.5	11.1	11.7	12.4	13.0	13.6
-57.5°	8.2	8.4	8.8	9.2	9.5	9.9	10.5	11.1	11.7	12.2	12.8
-58.75°	8.1	8.2	8.4	8.8	9.2	9.5	9.9	10.4	10.9	11.5	12.1
-60°	7.9	8.1	8.3	8.4	8.8	9.1	9.5	9.8	10.2	10.8	11.3
-61.25°	7.8	7.9	8.1	8.2	8.4	8.7	9.0	9.4	9.7	10.0	10.5
-62.5°	7.6	7.8	7.9	8.1	8.2	8.4	8.6	8.9	9.2	9.6	9.9
-63.75°	7.4	7.6	7.8	7.9	8.0	8.2	8.3	8.5	8.8	9.1	9.4
-65°	7.1	7.3	7.6	7.7	7.9	8.0	8.1	8.3	8.4	8.6	8.9
-66.25°	6.8	7.1	7.3	7.5	7.7	7.8	7.9	8.1	8.2	8.3	8.4
-67.5°	6.6	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.0	8.1	8.2
-68.75°	6.2	6.5	6.7	6.9	7.1	7.3	7.5	7.6	7.8	7.9	8.0
-70°	5.8	6.1	6.4	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8
-71.25°	5.4	5.7	5.9	6.2	6.5	6.6	6.8	7.0	7.1	7.3	7.4
-72.5°	5.0	5.2	5.5	5.7	6.0	6.2	6.4	6.6	6.8	6.9	7.0
-73.75°	4.6	4.8	5.0	5.2	5.5	5.7	5.9	6.1	6.4	6.5	6.7
-75°	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2
-76.25°	3.9	4.0	4.2	4.3	4.5	4.7	4.9	5.0	5.2	5.4	5.6
-77.5°	3.5	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.7	4.8	5.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.2	3.3	3.5	3.6	3.7	3.8	4.0	4.1	4.2	4.3	4.4
-80°	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9
-81.25°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5
-82.5°	2.1	2.2	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	3.0
-83.75°	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3	2.3	2.4	2.5
-85°	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	2.0
-86.25°	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4
-87.5°	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0
-88.75°	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
86.25°	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8
85°	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5
83.75°	2.5	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1
82.5°	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7
81.25°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
80°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
78.75°	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.6	5.7	5.8
77.5°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5
76.25°	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
75°	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
73.75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
72.5°	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.9	8.0	8.1	8.1
71.25°	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.3	8.4
70°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.7	8.9	9.0
68.75°	8.1	8.2	8.3	8.4	8.5	8.7	8.9	9.1	9.3	9.5	9.7
67.5°	8.3	8.4	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.2	10.5
66.25°	8.7	8.9	9.1	9.4	9.6	9.9	10.1	10.5	10.8	11.2	11.5
65°	9.2	9.4	9.7	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.5
63.75°	9.7	9.9	10.3	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6
62.5°	10.2	10.7	11.2	11.6	12.1	12.5	12.9	13.4	13.8	14.2	14.6
61.25°	11.0	11.5	12.0	12.5	13.0	13.4	13.9	14.4	14.8	15.2	15.8
60°	11.8	12.3	12.8	13.4	13.9	14.4	14.8	15.3	15.9	16.5	17.1
58.75°	12.6	13.2	13.7	14.2	14.8	15.3	15.9	16.6	17.2	17.8	18.4
57.5°	13.4	14.0	14.6	15.1	15.8	16.5	17.2	17.8	18.5	19.0	19.5
56.25°	14.2	14.8	15.4	16.2	16.9	17.7	18.4	19.0	19.5	20.0	20.5
55°	15.0	15.7	16.5	17.3	18.1	18.8	19.4	19.9	20.4	21.0	21.4
53.75°	15.9	16.8	17.6	18.4	19.1	19.7	20.3	20.8	21.4	21.8	22.1
52.5°	16.9	17.8	18.7	19.3	19.9	20.5	21.1	21.6	22.0	22.4	22.8
51.25°	17.9	18.8	19.5	20.1	20.8	21.4	21.8	22.3	22.7	23.1	23.6
50°	18.9	19.6	20.2	20.9	21.5	22.0	22.5	22.9	23.4	23.8	24.3
48.75°	19.6	20.3	21.0	21.6	22.1	22.6	23.1	23.6	24.1	24.5	25.0
47.5°	20.3	21.0	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7
46.25°	21.0	21.7	22.2	22.7	23.3	23.8	24.4	24.9	25.4	25.9	26.4
45°	21.6	22.2	22.7	23.3	23.9	24.4	25.0	25.5	26.0	26.5	27.0
43.75°	22.1	22.7	23.3	23.9	24.5	25.0	25.6	26.1	26.7	27.2	27.5
42.5°	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.7	27.2	27.6	27.9
41.25°	23.1	23.7	24.4	25.0	25.6	26.2	26.8	27.3	27.6	27.9	28.2
40°	23.6	24.2	24.9	25.5	26.1	26.7	27.3	27.6	27.9	28.3	28.4
38.75°	24.1	24.7	25.4	26.0	26.7	27.2	27.6	27.9	28.3	28.4	28.5
37.5°	24.5	25.2	25.9	26.5	27.2	27.6	27.9	28.3	28.4	28.5	28.7
36.25°	25.0	25.7	26.4	27.0	27.5	27.9	28.2	28.4	28.5	28.7	28.9
35°	25.4	26.1	26.8	27.4	27.8	28.1	28.4	28.5	28.7	28.9	29.1



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	25.9	26.6	27.2	27.6	28.0	28.3	28.5	28.6	28.8	29.1	29.4
32.5°	26.3	27.0	27.5	27.9	28.3	28.5	28.6	28.8	29.1	29.3	29.6
31.25°	26.7	27.3	27.7	28.2	28.4	28.6	28.7	29.0	29.3	29.5	29.7
30°	27.1	27.6	28.0	28.3	28.5	28.6	28.9	29.2	29.5	29.6	29.8
28.75°	27.3	27.8	28.2	28.4	28.6	28.8	29.1	29.4	29.6	29.8	29.9
27.5°	27.5	28.0	28.4	28.5	28.7	29.0	29.3	29.5	29.7	29.9	30.1
26.25°	27.8	28.2	28.4	28.6	28.8	29.1	29.5	29.6	29.8	30.0	30.3
25°	27.9	28.3	28.5	28.7	29.0	29.3	29.6	29.7	29.9	30.2	30.4
23.75°	28.1	28.4	28.6	28.8	29.1	29.5	29.7	29.8	30.1	30.3	30.6
22.5°	28.3	28.5	28.7	29.0	29.3	29.6	29.7	29.9	30.2	30.5	30.8
21.25°	28.4	28.5	28.7	29.1	29.4	29.6	29.8	30.1	30.4	30.7	31.0
20°	28.4	28.6	28.9	29.2	29.5	29.7	29.9	30.2	30.5	30.8	31.2
18.75°	28.5	28.7	29.0	29.4	29.6	29.8	30.0	30.3	30.6	31.0	31.3
17.5°	28.5	28.7	29.1	29.5	29.7	29.8	30.1	30.4	30.8	31.1	31.6
16.25°	28.6	28.8	29.2	29.5	29.7	29.9	30.2	30.6	30.9	31.3	31.8
15°	28.6	28.9	29.3	29.6	29.8	30.0	30.3	30.7	31.0	31.4	32.1
13.75°	28.7	29.0	29.4	29.6	29.8	30.1	30.4	30.8	31.2	31.6	32.3
12.5°	28.7	29.1	29.5	29.7	29.9	30.2	30.5	30.9	31.3	31.9	32.6
11.25°	28.8	29.2	29.5	29.7	29.9	30.3	30.6	31.0	31.4	32.1	32.8
10°	28.9	29.2	29.6	29.8	30.0	30.3	30.7	31.1	31.5	32.2	33.0
8.75°	28.9	29.3	29.6	29.8	30.1	30.4	30.8	31.1	31.7	32.4	33.4
7.5°	29.0	29.4	29.6	29.8	30.1	30.5	30.8	31.2	31.8	32.5	33.8
6.25°	29.0	29.4	29.6	29.8	30.2	30.5	30.9	31.3	31.9	32.6	34.1
5°	29.0	29.4	29.7	29.9	30.2	30.5	30.9	31.3	32.0	32.7	34.3
3.75°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.8	34.5
2.5°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.9	34.7
1.25°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.9	34.8
0°	29.1	29.5	29.7	29.9	30.3	30.6	31.0	31.4	32.2	32.9	34.8
-1.25°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.9	34.8
-2.5°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.9	34.7
-3.75°	29.1	29.5	29.7	29.9	30.2	30.6	31.0	31.4	32.1	32.8	34.5
-5°	29.0	29.4	29.7	29.9	30.2	30.5	30.9	31.3	32.0	32.7	34.3
-6.25°	29.0	29.4	29.6	29.8	30.2	30.5	30.9	31.3	31.9	32.6	34.1
-7.5°	29.0	29.4	29.6	29.8	30.1	30.5	30.8	31.2	31.8	32.5	33.8
-8.75°	28.9	29.3	29.6	29.8	30.1	30.4	30.8	31.1	31.7	32.4	33.4
-10°	28.9	29.2	29.6	29.8	30.0	30.3	30.7	31.1	31.5	32.2	33.0
-11.25°	28.8	29.2	29.5	29.7	29.9	30.3	30.6	31.0	31.4	32.1	32.8
-12.5°	28.7	29.1	29.5	29.7	29.9	30.2	30.5	30.9	31.3	31.9	32.6
-13.75°	28.7	29.0	29.4	29.6	29.8	30.1	30.4	30.8	31.2	31.6	32.3
-15°	28.6	28.9	29.3	29.6	29.8	30.0	30.3	30.7	31.0	31.4	32.1
-16.25°	28.6	28.8	29.2	29.5	29.7	29.9	30.2	30.6	30.9	31.3	31.8
-17.5°	28.5	28.7	29.1	29.5	29.7	29.8	30.1	30.4	30.8	31.1	31.6
-18.75°	28.5	28.7	29.0	29.4	29.6	29.8	30.0	30.3	30.6	31.0	31.3
-20°	28.4	28.6	28.9	29.2	29.5	29.7	29.9	30.2	30.5	30.8	31.2
-21.25°	28.4	28.5	28.7	29.1	29.4	29.6	29.8	30.1	30.4	30.7	31.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	28.3	28.5	28.7	29.0	29.3	29.6	29.7	29.9	30.2	30.5	30.8
-23.75°	28.1	28.4	28.6	28.8	29.1	29.5	29.7	29.8	30.1	30.3	30.6
-25°	27.9	28.3	28.5	28.7	29.0	29.3	29.6	29.7	29.9	30.2	30.4
-26.25°	27.8	28.2	28.4	28.6	28.8	29.1	29.5	29.6	29.8	30.0	30.3
-27.5°	27.5	28.0	28.4	28.5	28.7	29.0	29.3	29.5	29.7	29.9	30.1
-28.75°	27.3	27.8	28.2	28.4	28.6	28.8	29.1	29.4	29.6	29.8	29.9
-30°	27.1	27.6	28.0	28.3	28.5	28.6	28.9	29.2	29.5	29.6	29.8
-31.25°	26.7	27.3	27.7	28.2	28.4	28.6	28.7	29.0	29.3	29.5	29.7
-32.5°	26.3	27.0	27.5	27.9	28.3	28.5	28.6	28.8	29.1	29.3	29.6
-33.75°	25.9	26.6	27.2	27.6	28.0	28.3	28.5	28.6	28.8	29.1	29.4
-35°	25.4	26.1	26.8	27.4	27.8	28.1	28.4	28.5	28.7	28.9	29.1
-36.25°	25.0	25.7	26.4	27.0	27.5	27.9	28.2	28.4	28.5	28.7	28.9
-37.5°	24.5	25.2	25.9	26.5	27.2	27.6	27.9	28.3	28.4	28.5	28.7
-38.75°	24.1	24.7	25.4	26.0	26.7	27.2	27.6	27.9	28.3	28.4	28.5
-40°	23.6	24.2	24.9	25.5	26.1	26.7	27.3	27.6	27.9	28.3	28.4
-41.25°	23.1	23.7	24.4	25.0	25.6	26.2	26.8	27.3	27.6	27.9	28.2
-42.5°	22.6	23.2	23.8	24.4	25.0	25.6	26.2	26.7	27.2	27.6	27.9
-43.75°	22.1	22.7	23.3	23.9	24.5	25.0	25.6	26.1	26.7	27.2	27.5
-45°	21.6	22.2	22.7	23.3	23.9	24.4	25.0	25.5	26.0	26.5	27.0
-46.25°	21.0	21.7	22.2	22.7	23.3	23.8	24.4	24.9	25.4	25.9	26.4
-47.5°	20.3	21.0	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7
-48.75°	19.6	20.3	21.0	21.6	22.1	22.6	23.1	23.6	24.1	24.5	25.0
-50°	18.9	19.6	20.2	20.9	21.5	22.0	22.5	22.9	23.4	23.8	24.3
-51.25°	17.9	18.8	19.5	20.1	20.8	21.4	21.8	22.3	22.7	23.1	23.6
-52.5°	16.9	17.8	18.7	19.3	19.9	20.5	21.1	21.6	22.0	22.4	22.8
-53.75°	15.9	16.8	17.6	18.4	19.1	19.7	20.3	20.8	21.4	21.8	22.1
-55°	15.0	15.7	16.5	17.3	18.1	18.8	19.4	19.9	20.4	21.0	21.4
-56.25°	14.2	14.8	15.4	16.2	16.9	17.7	18.4	19.0	19.5	20.0	20.5
-57.5°	13.4	14.0	14.6	15.1	15.8	16.5	17.2	17.8	18.5	19.0	19.5
-58.75°	12.6	13.2	13.7	14.2	14.8	15.3	15.9	16.6	17.2	17.8	18.4
-60°	11.8	12.3	12.8	13.4	13.9	14.4	14.8	15.3	15.9	16.5	17.1
-61.25°	11.0	11.5	12.0	12.5	13.0	13.4	13.9	14.4	14.8	15.2	15.8
-62.5°	10.2	10.7	11.2	11.6	12.1	12.5	12.9	13.4	13.8	14.2	14.6
-63.75°	9.7	9.9	10.3	10.8	11.2	11.6	12.0	12.4	12.8	13.2	13.6
-65°	9.2	9.4	9.7	9.9	10.3	10.7	11.1	11.4	11.8	12.2	12.5
-66.25°	8.7	8.9	9.1	9.4	9.6	9.9	10.1	10.5	10.8	11.2	11.5
-67.5°	8.3	8.4	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.2	10.5
-68.75°	8.1	8.2	8.3	8.4	8.5	8.7	8.9	9.1	9.3	9.5	9.7
-70°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.7	8.9	9.0
-71.25°	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.3	8.3	8.4
-72.5°	7.2	7.3	7.5	7.6	7.7	7.8	7.9	7.9	8.0	8.1	8.1
-73.75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9
-75°	6.4	6.5	6.6	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
-76.25°	5.8	5.9	6.1	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
-77.5°	5.1	5.3	5.4	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.6	5.7	5.8
-80°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
-81.25°	3.6	3.6	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.3
-82.5°	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7
-83.75°	2.5	2.6	2.7	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.1
-85°	2.0	2.1	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5
-86.25°	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8
-87.5°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2
-88.75°	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
86.25°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
85°	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9
83.75°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6
82.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
81.25°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.0
80°	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9
78.75°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
77.5°	6.6	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.2	7.2
76.25°	7.1	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8
75°	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1
73.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
72.5°	8.2	8.3	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
71.25°	8.6	8.7	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9
70°	9.2	9.4	9.5	9.7	9.8	10.0	10.2	10.4	10.6	10.8	11.0
68.75°	9.9	10.0	10.3	10.6	10.8	11.1	11.3	11.5	11.7	11.9	12.1
67.5°	10.8	11.1	11.4	11.7	11.9	12.2	12.4	12.7	12.9	13.1	13.4
66.25°	11.8	12.1	12.5	12.8	13.0	13.3	13.6	13.9	14.1	14.4	14.6
65°	12.9	13.2	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.7	16.0
63.75°	13.9	14.3	14.7	15.0	15.3	15.7	16.1	16.5	16.9	17.2	17.6
62.5°	15.0	15.4	15.9	16.4	16.8	17.2	17.6	18.1	18.4	18.8	19.1
61.25°	16.3	16.8	17.3	17.8	18.3	18.7	19.1	19.4	19.7	20.0	20.2
60°	17.6	18.2	18.7	19.1	19.5	19.8	20.2	20.5	20.8	21.1	21.4
58.75°	19.0	19.4	19.8	20.2	20.6	20.9	21.3	21.6	21.8	22.0	22.3
57.5°	20.0	20.4	20.8	21.2	21.6	21.9	22.1	22.4	22.6	22.9	23.1
56.25°	21.0	21.4	21.7	22.1	22.4	22.7	22.9	23.2	23.5	23.8	24.0
55°	21.8	22.1	22.5	22.8	23.1	23.5	23.8	24.1	24.4	24.6	24.9
53.75°	22.5	22.9	23.2	23.6	23.9	24.3	24.6	24.9	25.2	25.5	25.8
52.5°	23.2	23.6	24.0	24.4	24.8	25.1	25.4	25.7	26.0	26.3	26.6
51.25°	24.0	24.4	24.8	25.2	25.5	25.9	26.2	26.6	26.9	27.2	27.3
50°	24.7	25.1	25.5	25.9	26.3	26.7	27.0	27.3	27.5	27.7	27.8
48.75°	25.4	25.9	26.3	26.7	27.1	27.3	27.5	27.8	27.9	28.1	28.3
47.5°	26.1	26.6	27.0	27.3	27.6	27.8	28.0	28.2	28.3	28.4	28.5
46.25°	26.8	27.2	27.5	27.7	28.0	28.2	28.4	28.4	28.5	28.6	28.7
45°	27.4	27.6	27.9	28.2	28.3	28.4	28.5	28.6	28.7	28.8	29.0
43.75°	27.8	28.0	28.3	28.4	28.5	28.6	28.7	28.8	29.0	29.1	29.3
42.5°	28.1	28.3	28.5	28.6	28.6	28.8	29.0	29.1	29.3	29.5	29.6
41.25°	28.4	28.5	28.6	28.7	28.9	29.1	29.3	29.5	29.6	29.7	29.7
40°	28.5	28.6	28.8	29.0	29.2	29.4	29.5	29.6	29.7	29.8	29.9
38.75°	28.7	28.8	29.1	29.3	29.5	29.6	29.7	29.8	29.9	30.1	30.2
37.5°	28.9	29.1	29.3	29.5	29.6	29.8	29.9	30.0	30.2	30.3	30.5
36.25°	29.1	29.4	29.6	29.7	29.8	29.9	30.1	30.3	30.4	30.6	30.8
35°	29.4	29.6	29.7	29.8	30.0	30.2	30.3	30.5	30.7	30.9	31.1



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	29.6	29.7	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.3	31.5
32.5°	29.7	29.8	30.0	30.2	30.4	30.7	30.9	31.1	31.4	31.7	32.1
31.25°	29.8	30.0	30.2	30.4	30.7	30.9	31.2	31.4	31.9	32.3	32.7
30°	30.0	30.2	30.4	30.7	30.9	31.2	31.5	32.0	32.4	32.9	33.9
28.75°	30.2	30.4	30.7	30.9	31.2	31.5	32.0	32.5	33.1	34.2	35.3
27.5°	30.3	30.6	30.9	31.2	31.5	32.0	32.5	33.2	34.4	35.6	36.9
26.25°	30.5	30.8	31.1	31.4	32.0	32.5	33.2	34.5	35.7	37.5	40.9
25°	30.7	31.0	31.4	31.9	32.4	33.1	34.4	35.7	37.7	41.4	45.0
23.75°	30.9	31.3	31.7	32.3	32.9	34.2	35.6	37.5	41.4	45.2	48.9
22.5°	31.1	31.5	32.1	32.7	33.9	35.3	36.9	40.9	45.0	48.9	53.0
21.25°	31.3	31.9	32.5	33.4	34.9	36.4	40.1	44.3	48.5	52.8	57.0
20°	31.6	32.2	32.9	34.3	35.9	38.8	43.2	47.5	52.0	56.5	61.2
18.75°	31.9	32.6	33.7	35.3	37.1	41.7	46.2	50.8	55.5	60.2	66.2
17.5°	32.2	32.9	34.5	36.1	39.7	44.4	49.1	54.0	58.8	64.6	78.0
16.25°	32.5	33.6	35.3	37.4	42.2	47.0	52.0	57.0	62.6	73.5	98.4
15°	32.8	34.3	36.0	39.7	44.6	49.6	54.7	59.9	67.3	86.4	123.8
13.75°	33.2	35.0	36.7	41.8	46.8	52.0	57.3	63.3	76.5	107.3	153.5
12.5°	33.8	35.6	38.6	43.7	48.9	54.3	59.7	67.6	89.3	130.9	184.7
11.25°	34.4	36.1	40.3	45.5	50.9	56.4	62.5	75.2	106.5	155.4	215.0
10°	34.8	36.7	41.8	47.1	52.7	58.3	65.0	82.7	124.6	180.6	243.5
8.75°	35.3	37.9	43.2	48.6	54.3	60.0	69.7	96.1	143.7	204.2	269.2
7.5°	35.6	39.0	44.4	49.9	55.7	61.9	74.8	107.9	160.4	225.3	292.3
6.25°	36.0	40.0	45.4	51.1	56.9	63.6	79.2	118.7	177.1	243.7	312.2
5°	36.2	40.8	46.3	52.0	57.9	64.9	84.4	130.0	191.1	259.0	328.7
3.75°	36.4	41.4	46.9	52.8	58.7	66.2	90.5	138.9	202.1	271.0	340.8
2.5°	36.6	41.9	47.4	53.3	59.3	68.2	95.0	145.2	210.0	279.8	349.5
1.25°	36.7	42.2	47.7	53.6	59.6	69.3	97.7	149.0	214.7	285.1	354.8
0°	36.7	42.3	47.8	53.8	59.7	69.7	98.6	150.3	216.3	286.9	356.5
-1.25°	36.7	42.2	47.7	53.6	59.6	69.3	97.7	149.0	214.7	285.1	354.8
-2.5°	36.6	41.9	47.4	53.3	59.3	68.2	95.0	145.2	210.0	279.8	349.5
-3.75°	36.4	41.4	46.9	52.8	58.7	66.2	90.5	138.9	202.1	271.0	340.8
-5°	36.2	40.8	46.3	52.0	57.9	64.9	84.4	130.0	191.1	259.0	328.7
-6.25°	36.0	40.0	45.4	51.1	56.9	63.6	79.2	118.7	177.1	243.7	312.2
-7.5°	35.6	39.0	44.4	49.9	55.7	61.9	74.8	107.9	160.4	225.3	292.3
-8.75°	35.3	37.9	43.2	48.6	54.3	60.0	69.7	96.1	143.7	204.2	269.2
-10°	34.8	36.7	41.8	47.1	52.7	58.3	65.0	82.7	124.6	180.6	243.5
-11.25°	34.4	36.1	40.3	45.5	50.9	56.4	62.5	75.2	106.5	155.4	215.0
-12.5°	33.8	35.6	38.6	43.7	48.9	54.3	59.7	67.6	89.3	130.9	184.7
-13.75°	33.2	35.0	36.7	41.8	46.8	52.0	57.3	63.3	76.5	107.3	153.5
-15°	32.8	34.3	36.0	39.7	44.6	49.6	54.7	59.9	67.3	86.4	123.8
-16.25°	32.5	33.6	35.3	37.4	42.2	47.0	52.0	57.0	62.6	73.5	98.4
-17.5°	32.2	32.9	34.5	36.1	39.7	44.4	49.1	54.0	58.8	64.6	78.0
-18.75°	31.9	32.6	33.7	35.3	37.1	41.7	46.2	50.8	55.5	60.2	66.2
-20°	31.6	32.2	32.9	34.3	35.9	38.8	43.2	47.5	52.0	56.5	61.2
-21.25°	31.3	31.9	32.5	33.4	34.9	36.4	40.1	44.3	48.5	52.8	57.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	31.1	31.5	32.1	32.7	33.9	35.3	36.9	40.9	45.0	48.9	53.0
-23.75°	30.9	31.3	31.7	32.3	32.9	34.2	35.6	37.5	41.4	45.2	48.9
-25°	30.7	31.0	31.4	31.9	32.4	33.1	34.4	35.7	37.7	41.4	45.0
-26.25°	30.5	30.8	31.1	31.4	32.0	32.5	33.2	34.5	35.7	37.5	40.9
-27.5°	30.3	30.6	30.9	31.2	31.5	32.0	32.5	33.2	34.4	35.6	36.9
-28.75°	30.2	30.4	30.7	30.9	31.2	31.5	32.0	32.5	33.1	34.2	35.3
-30°	30.0	30.2	30.4	30.7	30.9	31.2	31.5	32.0	32.4	32.9	33.9
-31.25°	29.8	30.0	30.2	30.4	30.7	30.9	31.2	31.4	31.9	32.3	32.7
-32.5°	29.7	29.8	30.0	30.2	30.4	30.7	30.9	31.1	31.4	31.7	32.1
-33.75°	29.6	29.7	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.3	31.5
-35°	29.4	29.6	29.7	29.8	30.0	30.2	30.3	30.5	30.7	30.9	31.1
-36.25°	29.1	29.4	29.6	29.7	29.8	29.9	30.1	30.3	30.4	30.6	30.8
-37.5°	28.9	29.1	29.3	29.5	29.6	29.8	29.9	30.0	30.2	30.3	30.5
-38.75°	28.7	28.8	29.1	29.3	29.5	29.6	29.7	29.8	29.9	30.1	30.2
-40°	28.5	28.6	28.8	29.0	29.2	29.4	29.5	29.6	29.7	29.8	29.9
-41.25°	28.4	28.5	28.6	28.7	28.9	29.1	29.3	29.5	29.6	29.7	29.7
-42.5°	28.1	28.3	28.5	28.6	28.6	28.8	29.0	29.1	29.3	29.5	29.6
-43.75°	27.8	28.0	28.3	28.4	28.5	28.6	28.7	28.8	29.0	29.1	29.3
-45°	27.4	27.6	27.9	28.2	28.3	28.4	28.5	28.6	28.7	28.8	29.0
-46.25°	26.8	27.2	27.5	27.7	28.0	28.2	28.4	28.4	28.5	28.6	28.7
-47.5°	26.1	26.6	27.0	27.3	27.6	27.8	28.0	28.2	28.3	28.4	28.5
-48.75°	25.4	25.9	26.3	26.7	27.1	27.3	27.5	27.8	27.9	28.1	28.3
-50°	24.7	25.1	25.5	25.9	26.3	26.7	27.0	27.3	27.5	27.7	27.8
-51.25°	24.0	24.4	24.8	25.2	25.5	25.9	26.2	26.6	26.9	27.2	27.3
-52.5°	23.2	23.6	24.0	24.4	24.8	25.1	25.4	25.7	26.0	26.3	26.6
-53.75°	22.5	22.9	23.2	23.6	23.9	24.3	24.6	24.9	25.2	25.5	25.8
-55°	21.8	22.1	22.5	22.8	23.1	23.5	23.8	24.1	24.4	24.6	24.9
-56.25°	21.0	21.4	21.7	22.1	22.4	22.7	22.9	23.2	23.5	23.8	24.0
-57.5°	20.0	20.4	20.8	21.2	21.6	21.9	22.1	22.4	22.6	22.9	23.1
-58.75°	19.0	19.4	19.8	20.2	20.6	20.9	21.3	21.6	21.8	22.0	22.3
-60°	17.6	18.2	18.7	19.1	19.5	19.8	20.2	20.5	20.8	21.1	21.4
-61.25°	16.3	16.8	17.3	17.8	18.3	18.7	19.1	19.4	19.7	20.0	20.2
-62.5°	15.0	15.4	15.9	16.4	16.8	17.2	17.6	18.1	18.4	18.8	19.1
-63.75°	13.9	14.3	14.7	15.0	15.3	15.7	16.1	16.5	16.9	17.2	17.6
-65°	12.9	13.2	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.7	16.0
-66.25°	11.8	12.1	12.5	12.8	13.0	13.3	13.6	13.9	14.1	14.4	14.6
-67.5°	10.8	11.1	11.4	11.7	11.9	12.2	12.4	12.7	12.9	13.1	13.4
-68.75°	9.9	10.0	10.3	10.6	10.8	11.1	11.3	11.5	11.7	11.9	12.1
-70°	9.2	9.4	9.5	9.7	9.8	10.0	10.2	10.4	10.6	10.8	11.0
-71.25°	8.6	8.7	8.9	9.0	9.1	9.3	9.4	9.5	9.6	9.8	9.9
-72.5°	8.2	8.3	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1
-73.75°	7.9	8.0	8.0	8.1	8.1	8.2	8.2	8.3	8.3	8.4	8.4
-75°	7.6	7.7	7.7	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1
-76.25°	7.1	7.2	7.3	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8
-77.5°	6.6	6.7	6.7	6.8	6.9	7.0	7.0	7.1	7.1	7.2	7.2



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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°
-78.75°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.5	6.6	6.6	6.7
-80°	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9
-81.25°	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.9	4.9	5.0	5.0
-82.5°	3.8	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
-83.75°	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.5	3.5	3.5	3.6
-85°	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9
-86.25°	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-87.5°	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
-88.75°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
86.25°	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3
85°	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1
83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
82.5°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
81.25°	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.5
80°	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4
78.75°	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0
77.5°	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6
76.25°	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0
75°	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3
73.75°	8.5	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
72.5°	9.2	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.9
71.25°	10.0	10.1	10.2	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1
70°	11.1	11.3	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.3
68.75°	12.3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.5	13.6	13.7
67.5°	13.6	13.8	13.9	14.1	14.3	14.4	14.6	14.7	14.8	14.9	15.0
66.25°	14.8	15.0	15.2	15.4	15.6	15.9	16.0	16.2	16.4	16.5	16.6
65°	16.3	16.6	16.8	17.1	17.3	17.5	17.7	17.9	18.1	18.2	18.4
63.75°	17.9	18.2	18.5	18.7	18.9	19.1	19.3	19.4	19.5	19.7	19.8
62.5°	19.3	19.5	19.8	20.0	20.2	20.3	20.5	20.7	20.8	20.9	21.0
61.25°	20.5	20.7	21.0	21.2	21.4	21.5	21.7	21.8	21.9	22.0	22.1
60°	21.6	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.8	22.9	23.0
58.75°	22.5	22.7	22.9	23.0	23.2	23.4	23.5	23.6	23.8	23.9	24.0
57.5°	23.3	23.6	23.8	24.0	24.1	24.3	24.5	24.6	24.7	24.9	25.0
56.25°	24.2	24.5	24.7	24.9	25.1	25.3	25.4	25.6	25.7	25.8	25.9
55°	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.8
53.75°	26.0	26.3	26.5	26.7	26.9	27.1	27.2	27.3	27.4	27.5	27.5
52.5°	26.9	27.1	27.3	27.4	27.5	27.6	27.8	27.8	27.9	28.0	28.1
51.25°	27.5	27.7	27.8	27.9	28.1	28.2	28.3	28.3	28.4	28.4	28.4
50°	28.0	28.1	28.3	28.3	28.4	28.4	28.5	28.5	28.6	28.6	28.6
48.75°	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.9	28.9
47.5°	28.5	28.6	28.7	28.7	28.8	28.9	29.0	29.1	29.2	29.2	29.3
46.25°	28.7	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.5	29.6	29.6
45°	29.1	29.2	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8
43.75°	29.4	29.5	29.6	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.1
42.5°	29.6	29.7	29.8	29.8	29.9	30.0	30.1	30.2	30.3	30.3	30.4
41.25°	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8
40°	30.1	30.2	30.3	30.4	30.6	30.7	30.8	30.9	31.0	31.1	31.1
38.75°	30.4	30.5	30.6	30.8	30.9	31.0	31.2	31.3	31.4	31.5	31.7
37.5°	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.9	32.1	32.2	32.4
36.25°	31.0	31.2	31.3	31.6	31.8	32.1	32.3	32.6	32.8	33.0	33.4
35°	31.3	31.6	31.9	32.2	32.5	32.8	33.2	33.8	34.4	34.8	35.3



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	31.9	32.2	32.6	32.9	33.6	34.3	35.0	35.6	36.1	36.7	37.9
32.5°	32.5	32.9	33.7	34.5	35.3	36.0	36.7	38.6	40.3	41.8	43.2
31.25°	33.4	34.3	35.3	36.1	37.4	39.7	41.8	43.7	45.5	47.1	48.6
30°	34.9	35.9	37.1	39.7	42.2	44.6	46.8	48.9	50.9	52.7	54.3
28.75°	36.4	38.8	41.7	44.4	47.0	49.6	52.0	54.3	56.4	58.3	60.0
27.5°	40.1	43.2	46.2	49.1	52.0	54.7	57.3	59.7	62.5	65.0	69.7
26.25°	44.3	47.5	50.8	54.0	57.0	59.9	63.3	67.6	75.2	82.7	96.1
25°	48.5	52.0	55.5	58.8	62.6	67.3	76.5	89.3	106.5	124.6	143.7
23.75°	52.8	56.5	60.2	64.6	73.5	86.4	107.3	130.9	155.4	180.6	204.2
22.5°	57.0	61.2	66.2	78.0	98.4	123.8	153.5	184.7	215.0	243.5	269.2
21.25°	61.5	68.0	80.7	106.5	137.8	172.3	208.9	244.0	277.0	307.7	335.0
20°	68.0	81.8	110.5	146.3	186.0	226.7	266.3	304.2	338.8	368.8	394.3
18.75°	80.7	110.5	149.1	192.9	237.7	281.6	323.9	361.3	394.2	421.8	444.7
17.5°	106.5	146.3	192.9	241.4	289.3	335.5	376.6	411.3	441.3	466.9	493.9
16.25°	137.8	186.0	237.7	289.3	339.2	384.2	421.8	453.9	485.6	517.8	557.1
15°	172.3	226.7	281.6	335.5	384.2	425.3	460.2	497.4	539.5	585.9	639.8
13.75°	208.9	266.3	323.9	376.6	421.8	460.2	501.3	550.5	608.1	671.6	742.1
12.5°	244.0	304.2	361.3	411.3	453.9	497.4	550.5	615.6	690.7	773.1	865.7
11.25°	277.0	338.8	394.2	441.3	485.6	539.5	608.1	690.7	785.5	891.9	1001.1
10°	307.7	368.8	421.8	466.9	517.8	585.9	671.6	773.1	891.9	1016.5	1143.0
8.75°	335.0	394.3	444.7	493.9	557.1	639.8	742.1	865.7	1001.1	1143.0	1283.4
7.5°	357.7	415.3	464.2	518.7	595.0	693.3	814.4	955.7	1107.5	1263.6	1420.8
6.25°	377.3	432.9	483.1	547.4	634.4	745.2	883.1	1038.3	1205.4	1375.6	1549.8
5°	392.2	446.1	499.8	571.4	667.8	793.7	946.3	1114.4	1291.6	1477.1	1663.7
3.75°	403.4	456.5	513.1	592.5	700.0	836.5	997.7	1175.7	1363.0	1560.9	1756.4
2.5°	411.4	464.0	524.1	610.1	723.4	867.7	1035.6	1222.0	1418.2	1623.5	1825.9
1.25°	416.3	468.5	531.9	620.9	737.6	886.6	1060.5	1250.5	1452.1	1662.2	1869.0
0°	417.9	470.0	534.5	624.5	742.4	893.0	1068.9	1260.1	1463.6	1675.3	1883.6
-1.25°	416.3	468.5	531.9	620.9	737.6	886.6	1060.5	1250.5	1452.1	1662.2	1869.0
-2.5°	411.4	464.0	524.1	610.1	723.4	867.7	1035.6	1222.0	1418.2	1623.5	1825.9
-3.75°	403.4	456.5	513.1	592.5	700.0	836.5	997.7	1175.7	1363.0	1560.9	1756.4
-5°	392.2	446.1	499.8	571.4	667.8	793.7	946.3	1114.4	1291.6	1477.1	1663.7
-6.25°	377.3	432.9	483.1	547.4	634.4	745.2	883.1	1038.3	1205.4	1375.6	1549.8
-7.5°	357.7	415.3	464.2	518.7	595.0	693.3	814.4	955.7	1107.5	1263.6	1420.8
-8.75°	335.0	394.3	444.7	493.9	557.1	639.8	742.1	865.7	1001.1	1143.0	1283.4
-10°	307.7	368.8	421.8	466.9	517.8	585.9	671.6	773.1	891.9	1016.5	1143.0
-11.25°	277.0	338.8	394.2	441.3	485.6	539.5	608.1	690.7	785.5	891.9	1001.1
-12.5°	244.0	304.2	361.3	411.3	453.9	497.4	550.5	615.6	690.7	773.1	865.7
-13.75°	208.9	266.3	323.9	376.6	421.8	460.2	501.3	550.5	608.1	671.6	742.1
-15°	172.3	226.7	281.6	335.5	384.2	425.3	460.2	497.4	539.5	585.9	639.8
-16.25°	137.8	186.0	237.7	289.3	339.2	384.2	421.8	453.9	485.6	517.8	557.1
-17.5°	106.5	146.3	192.9	241.4	289.3	335.5	376.6	411.3	441.3	466.9	493.9
-18.75°	80.7	110.5	149.1	192.9	237.7	281.6	323.9	361.3	394.2	421.8	444.7
-20°	68.0	81.8	110.5	146.3	186.0	226.7	266.3	304.2	338.8	368.8	394.3
-21.25°	61.5	68.0	80.7	106.5	137.8	172.3	208.9	244.0	277.0	307.7	335.0



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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	57.0	61.2	66.2	78.0	98.4	123.8	153.5	184.7	215.0	243.5	269.2
-23.75°	52.8	56.5	60.2	64.6	73.5	86.4	107.3	130.9	155.4	180.6	204.2
-25°	48.5	52.0	55.5	58.8	62.6	67.3	76.5	89.3	106.5	124.6	143.7
-26.25°	44.3	47.5	50.8	54.0	57.0	59.9	63.3	67.6	75.2	82.7	96.1
-27.5°	40.1	43.2	46.2	49.1	52.0	54.7	57.3	59.7	62.5	65.0	69.7
-28.75°	36.4	38.8	41.7	44.4	47.0	49.6	52.0	54.3	56.4	58.3	60.0
-30°	34.9	35.9	37.1	39.7	42.2	44.6	46.8	48.9	50.9	52.7	54.3
-31.25°	33.4	34.3	35.3	36.1	37.4	39.7	41.8	43.7	45.5	47.1	48.6
-32.5°	32.5	32.9	33.7	34.5	35.3	36.0	36.7	38.6	40.3	41.8	43.2
-33.75°	31.9	32.2	32.6	32.9	33.6	34.3	35.0	35.6	36.1	36.7	37.9
-35°	31.3	31.6	31.9	32.2	32.5	32.8	33.2	33.8	34.4	34.8	35.3
-36.25°	31.0	31.2	31.3	31.6	31.8	32.1	32.3	32.6	32.8	33.0	33.4
-37.5°	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.9	32.1	32.2	32.4
-38.75°	30.4	30.5	30.6	30.8	30.9	31.0	31.2	31.3	31.4	31.5	31.7
-40°	30.1	30.2	30.3	30.4	30.6	30.7	30.8	30.9	31.0	31.1	31.1
-41.25°	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8
-42.5°	29.6	29.7	29.8	29.8	29.9	30.0	30.1	30.2	30.3	30.3	30.4
-43.75°	29.4	29.5	29.6	29.7	29.7	29.8	29.8	29.9	29.9	30.0	30.1
-45°	29.1	29.2	29.4	29.5	29.5	29.6	29.6	29.7	29.7	29.8	29.8
-46.25°	28.7	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.5	29.6	29.6
-47.5°	28.5	28.6	28.7	28.7	28.8	28.9	29.0	29.1	29.2	29.2	29.3
-48.75°	28.4	28.4	28.5	28.5	28.6	28.6	28.7	28.7	28.8	28.9	28.9
-50°	28.0	28.1	28.3	28.3	28.4	28.4	28.5	28.5	28.6	28.6	28.6
-51.25°	27.5	27.7	27.8	27.9	28.1	28.2	28.3	28.3	28.4	28.4	28.4
-52.5°	26.9	27.1	27.3	27.4	27.5	27.6	27.8	27.8	27.9	28.0	28.1
-53.75°	26.0	26.3	26.5	26.7	26.9	27.1	27.2	27.3	27.4	27.5	27.5
-55°	25.2	25.4	25.6	25.8	26.0	26.2	26.3	26.5	26.6	26.7	26.8
-56.25°	24.2	24.5	24.7	24.9	25.1	25.3	25.4	25.6	25.7	25.8	25.9
-57.5°	23.3	23.6	23.8	24.0	24.1	24.3	24.5	24.6	24.7	24.9	25.0
-58.75°	22.5	22.7	22.9	23.0	23.2	23.4	23.5	23.6	23.8	23.9	24.0
-60°	21.6	21.8	22.0	22.1	22.3	22.4	22.6	22.7	22.8	22.9	23.0
-61.25°	20.5	20.7	21.0	21.2	21.4	21.5	21.7	21.8	21.9	22.0	22.1
-62.5°	19.3	19.5	19.8	20.0	20.2	20.3	20.5	20.7	20.8	20.9	21.0
-63.75°	17.9	18.2	18.5	18.7	18.9	19.1	19.3	19.4	19.5	19.7	19.8
-65°	16.3	16.6	16.8	17.1	17.3	17.5	17.7	17.9	18.1	18.2	18.4
-66.25°	14.8	15.0	15.2	15.4	15.6	15.9	16.0	16.2	16.4	16.5	16.6
-67.5°	13.6	13.8	13.9	14.1	14.3	14.4	14.6	14.7	14.8	14.9	15.0
-68.75°	12.3	12.5	12.7	12.8	13.0	13.1	13.3	13.4	13.5	13.6	13.7
-70°	11.1	11.3	11.5	11.6	11.7	11.9	12.0	12.1	12.2	12.3	12.3
-71.25°	10.0	10.1	10.2	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1
-72.5°	9.2	9.3	9.4	9.5	9.5	9.6	9.7	9.7	9.8	9.8	9.9
-73.75°	8.5	8.6	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0	9.1
-75°	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3
-76.25°	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.0	8.0	8.0	8.0
-77.5°	7.3	7.3	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.6	7.6



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	6.7	6.8	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0
-80°	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4
-81.25°	5.1	5.1	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.4	5.5
-82.5°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
-83.75°	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8
-85°	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1
-86.25°	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3
-87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
81.25°	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.5	5.5
80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
77.5°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
76.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.0	8.0	8.0	8.0
75°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
73.75°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
72.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
71.25°	11.1	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2
70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
68.75°	13.7	13.8	13.9	13.9	13.9	13.9	14.0	13.9	13.9	13.9	13.9
67.5°	15.1	15.1	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.2	15.2
66.25°	16.7	16.8	16.9	17.0	17.0	17.0	17.1	17.0	17.0	17.0	16.9
65°	18.5	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
63.75°	19.8	19.9	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.0	20.0
62.5°	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3
61.25°	22.1	22.2	22.3	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.3
60°	23.1	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.2	23.2
58.75°	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.2	24.2
57.5°	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2
56.25°	26.0	26.1	26.1	26.2	26.2	26.2	26.3	26.2	26.2	26.2	26.1
55°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
53.75°	27.6	27.6	27.7	27.7	27.7	27.7	27.8	27.7	27.7	27.7	27.7
52.5°	28.1	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.2
51.25°	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
50°	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
48.75°	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.0
47.5°	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.4
46.25°	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
45°	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
43.75°	30.1	30.2	30.2	30.2	30.2	30.2	30.3	30.2	30.2	30.2	30.2
42.5°	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.5
41.25°	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	30.9
40°	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.3
38.75°	31.8	31.9	32.0	32.1	32.1	32.1	32.2	32.1	32.1	32.1	32.0
37.5°	32.5	32.6	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.7
36.25°	33.8	34.1	34.3	34.5	34.7	34.8	34.8	34.8	34.7	34.5	34.3
35°	35.6	36.0	36.2	36.4	36.6	36.7	36.7	36.7	36.6	36.4	36.2



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	39.0	40.0	40.8	41.4	41.9	42.2	42.3	42.2	41.9	41.4	40.8
32.5°	44.4	45.4	46.3	46.9	47.4	47.7	47.8	47.7	47.4	46.9	46.3
31.25°	49.9	51.1	52.0	52.8	53.3	53.6	53.8	53.6	53.3	52.8	52.0
30°	55.7	56.9	57.9	58.7	59.3	59.6	59.7	59.6	59.3	58.7	57.9
28.75°	61.9	63.6	64.9	66.2	68.2	69.3	69.7	69.3	68.2	66.2	64.9
27.5°	74.8	79.2	84.4	90.5	95.0	97.7	98.6	97.7	95.0	90.5	84.4
26.25°	107.9	118.7	130.0	138.9	145.2	149.0	150.3	149.0	145.2	138.9	130.0
25°	160.4	177.1	191.1	202.1	210.0	214.7	216.3	214.7	210.0	202.1	191.1
23.75°	225.3	243.7	259.0	271.0	279.8	285.1	286.9	285.1	279.8	271.0	259.0
22.5°	292.3	312.2	328.7	340.8	349.5	354.8	356.5	354.8	349.5	340.8	328.7
21.25°	357.7	377.3	392.2	403.4	411.4	416.3	417.9	416.3	411.4	403.4	392.2
20°	415.3	432.9	446.1	456.5	464.0	468.5	470.0	468.5	464.0	456.5	446.1
18.75°	464.2	483.1	499.8	513.1	524.1	531.9	534.5	531.9	524.1	513.1	499.8
17.5°	518.7	547.4	571.4	592.5	610.1	620.9	624.5	620.9	610.1	592.5	571.4
16.25°	595.0	634.4	667.8	700.0	723.4	737.6	742.4	737.6	723.4	700.0	667.8
15°	693.3	745.2	793.7	836.5	867.7	886.6	893.0	886.6	867.7	836.5	793.7
13.75°	814.4	883.1	946.3	997.7	1035.6	1060.5	1068.9	1060.5	1035.6	997.7	946.3
12.5°	955.7	1038.3	1114.4	1175.7	1222.0	1250.5	1260.1	1250.5	1222.0	1175.7	1114.4
11.25°	1107.5	1205.4	1291.6	1363.0	1418.2	1452.1	1463.6	1452.1	1418.2	1363.0	1291.6
10°	1263.6	1375.6	1477.1	1560.9	1623.5	1662.2	1675.3	1662.2	1623.5	1560.9	1477.1
8.75°	1420.8	1549.8	1663.7	1756.4	1825.9	1869.0	1883.6	1869.0	1825.9	1756.4	1663.7
7.5°	1574.8	1716.8	1841.2	1944.7	2022.2	2067.8	2083.4	2067.8	2022.2	1944.7	1841.2
6.25°	1716.8	1870.3	2007.9	2115.9	2193.9	2239.8	2255.6	2239.8	2193.9	2115.9	2007.9
5°	1841.2	2007.9	2149.0	2256.0	2335.5	2385.9	2403.7	2385.9	2335.5	2256.0	2149.0
3.75°	1944.7	2115.9	2256.0	2368.8	2449.5	2500.3	2516.9	2500.3	2449.5	2368.8	2256.0
2.5°	2022.2	2193.9	2335.5	2449.5	2534.5	2589.0	2604.5	2589.0	2534.5	2449.5	2335.5
1.25°	2067.8	2239.8	2385.9	2500.3	2589.0	2640.0	2660.9	2640.0	2589.0	2500.3	2385.9
0°	2083.4	2255.6	2403.7	2516.9	2604.5	2660.9	2700.8	2660.9	2604.5	2516.9	2403.7
-1.25°	2067.8	2239.8	2385.9	2500.3	2589.0	2640.0	2660.9	2640.0	2589.0	2500.3	2385.9
-2.5°	2022.2	2193.9	2335.5	2449.5	2534.5	2589.0	2604.5	2589.0	2534.5	2449.5	2335.5
-3.75°	1944.7	2115.9	2256.0	2368.8	2449.5	2500.3	2516.9	2500.3	2449.5	2368.8	2256.0
-5°	1841.2	2007.9	2149.0	2256.0	2335.5	2385.9	2403.7	2385.9	2335.5	2256.0	2149.0
-6.25°	1716.8	1870.3	2007.9	2115.9	2193.9	2239.8	2255.6	2239.8	2193.9	2115.9	2007.9
-7.5°	1574.8	1716.8	1841.2	1944.7	2022.2	2067.8	2083.4	2067.8	2022.2	1944.7	1841.2
-8.75°	1420.8	1549.8	1663.7	1756.4	1825.9	1869.0	1883.6	1869.0	1825.9	1756.4	1663.7
-10°	1263.6	1375.6	1477.1	1560.9	1623.5	1662.2	1675.3	1662.2	1623.5	1560.9	1477.1
-11.25°	1107.5	1205.4	1291.6	1363.0	1418.2	1452.1	1463.6	1452.1	1418.2	1363.0	1291.6
-12.5°	955.7	1038.3	1114.4	1175.7	1222.0	1250.5	1260.1	1250.5	1222.0	1175.7	1114.4
-13.75°	814.4	883.1	946.3	997.7	1035.6	1060.5	1068.9	1060.5	1035.6	997.7	946.3
-15°	693.3	745.2	793.7	836.5	867.7	886.6	893.0	886.6	867.7	836.5	793.7
-16.25°	595.0	634.4	667.8	700.0	723.4	737.6	742.4	737.6	723.4	700.0	667.8
-17.5°	518.7	547.4	571.4	592.5	610.1	620.9	624.5	620.9	610.1	592.5	571.4
-18.75°	464.2	483.1	499.8	513.1	524.1	531.9	534.5	531.9	524.1	513.1	499.8
-20°	415.3	432.9	446.1	456.5	464.0	468.5	470.0	468.5	464.0	456.5	446.1
-21.25°	357.7	377.3	392.2	403.4	411.4	416.3	417.9	416.3	411.4	403.4	392.2



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	292.3	312.2	328.7	340.8	349.5	354.8	356.5	354.8	349.5	340.8	328.7
-23.75°	225.3	243.7	259.0	271.0	279.8	285.1	286.9	285.1	279.8	271.0	259.0
-25°	160.4	177.1	191.1	202.1	210.0	214.7	216.3	214.7	210.0	202.1	191.1
-26.25°	107.9	118.7	130.0	138.9	145.2	149.0	150.3	149.0	145.2	138.9	130.0
-27.5°	74.8	79.2	84.4	90.5	95.0	97.7	98.6	97.7	95.0	90.5	84.4
-28.75°	61.9	63.6	64.9	66.2	68.2	69.3	69.7	69.3	68.2	66.2	64.9
-30°	55.7	56.9	57.9	58.7	59.3	59.6	59.7	59.6	59.3	58.7	57.9
-31.25°	49.9	51.1	52.0	52.8	53.3	53.6	53.8	53.6	53.3	52.8	52.0
-32.5°	44.4	45.4	46.3	46.9	47.4	47.7	47.8	47.7	47.4	46.9	46.3
-33.75°	39.0	40.0	40.8	41.4	41.9	42.2	42.3	42.2	41.9	41.4	40.8
-35°	35.6	36.0	36.2	36.4	36.6	36.7	36.7	36.7	36.6	36.4	36.2
-36.25°	33.8	34.1	34.3	34.5	34.7	34.8	34.8	34.8	34.7	34.5	34.3
-37.5°	32.5	32.6	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.8	32.7
-38.75°	31.8	31.9	32.0	32.1	32.1	32.1	32.2	32.1	32.1	32.1	32.0
-40°	31.2	31.3	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.3
-41.25°	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	30.9
-42.5°	30.5	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.5
-43.75°	30.1	30.2	30.2	30.2	30.2	30.2	30.3	30.2	30.2	30.2	30.2
-45°	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
-46.25°	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
-47.5°	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.4
-48.75°	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.0
-50°	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
-51.25°	28.4	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
-52.5°	28.1	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.2
-53.75°	27.6	27.6	27.7	27.7	27.7	27.7	27.8	27.7	27.7	27.7	27.7
-55°	26.9	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.1	27.1
-56.25°	26.0	26.1	26.1	26.2	26.2	26.2	26.3	26.2	26.2	26.2	26.1
-57.5°	25.1	25.1	25.2	25.2	25.3	25.3	25.3	25.3	25.3	25.2	25.2
-58.75°	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.2	24.2
-60°	23.1	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.2	23.2
-61.25°	22.1	22.2	22.3	22.3	22.3	22.3	22.4	22.3	22.3	22.3	22.3
-62.5°	21.1	21.2	21.3	21.3	21.4	21.4	21.4	21.4	21.4	21.3	21.3
-63.75°	19.8	19.9	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.0	20.0
-65°	18.5	18.6	18.7	18.7	18.8	18.8	18.8	18.8	18.8	18.7	18.7
-66.25°	16.7	16.8	16.9	17.0	17.0	17.0	17.1	17.0	17.0	17.0	16.9
-67.5°	15.1	15.1	15.2	15.2	15.3	15.3	15.3	15.3	15.3	15.2	15.2
-68.75°	13.7	13.8	13.9	13.9	13.9	13.9	14.0	13.9	13.9	13.9	13.9
-70°	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.5
-71.25°	11.1	11.2	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2
-72.5°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-73.75°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-75°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
-76.25°	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.0	8.0	8.0	8.0
-77.5°	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
-80°	6.4	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
-81.25°	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.5	5.5	5.5	5.5
-82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.8	3.8
-85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
-86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
86.25°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2
85°	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9
83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7
82.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
81.25°	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2
80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.1
78.75°	7.1	7.1	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8
77.5°	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4
76.25°	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.8
75°	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2
73.75°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
72.5°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.5	9.5	9.4
71.25°	11.2	11.1	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.2
70°	12.5	12.4	12.3	12.3	12.2	12.1	12.0	11.9	11.7	11.6	11.5
68.75°	13.8	13.7	13.7	13.6	13.5	13.4	13.3	13.1	13.0	12.8	12.7
67.5°	15.1	15.1	15.0	14.9	14.8	14.7	14.6	14.4	14.3	14.1	13.9
66.25°	16.8	16.7	16.6	16.5	16.4	16.2	16.0	15.9	15.6	15.4	15.2
65°	18.6	18.5	18.4	18.2	18.1	17.9	17.7	17.5	17.3	17.1	16.8
63.75°	19.9	19.8	19.8	19.7	19.5	19.4	19.3	19.1	18.9	18.7	18.5
62.5°	21.2	21.1	21.0	20.9	20.8	20.7	20.5	20.3	20.2	20.0	19.8
61.25°	22.2	22.1	22.1	22.0	21.9	21.8	21.7	21.5	21.4	21.2	21.0
60°	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.4	22.3	22.1	22.0
58.75°	24.1	24.1	24.0	23.9	23.8	23.6	23.5	23.4	23.2	23.0	22.9
57.5°	25.1	25.1	25.0	24.9	24.7	24.6	24.5	24.3	24.1	24.0	23.8
56.25°	26.1	26.0	25.9	25.8	25.7	25.6	25.4	25.3	25.1	24.9	24.7
55°	27.0	26.9	26.8	26.7	26.6	26.5	26.3	26.2	26.0	25.8	25.6
53.75°	27.6	27.6	27.5	27.5	27.4	27.3	27.2	27.1	26.9	26.7	26.5
52.5°	28.2	28.1	28.1	28.0	27.9	27.8	27.8	27.6	27.5	27.4	27.3
51.25°	28.5	28.4	28.4	28.4	28.4	28.3	28.3	28.2	28.1	27.9	27.8
50°	28.7	28.6	28.6	28.6	28.6	28.5	28.5	28.4	28.4	28.3	28.3
48.75°	29.0	29.0	28.9	28.9	28.8	28.7	28.7	28.6	28.6	28.5	28.5
47.5°	29.4	29.4	29.3	29.2	29.2	29.1	29.0	28.9	28.8	28.7	28.7
46.25°	29.6	29.6	29.6	29.6	29.5	29.5	29.4	29.3	29.2	29.1	29.0
45°	29.8	29.8	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.5	29.4
43.75°	30.2	30.1	30.1	30.0	29.9	29.9	29.8	29.8	29.7	29.7	29.6
42.5°	30.5	30.5	30.4	30.3	30.3	30.2	30.1	30.0	29.9	29.8	29.8
41.25°	30.9	30.8	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0
40°	31.3	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.6	30.4	30.3
38.75°	31.9	31.8	31.7	31.5	31.4	31.3	31.2	31.0	30.9	30.8	30.6
37.5°	32.6	32.5	32.4	32.2	32.1	31.9	31.6	31.4	31.3	31.1	31.0
36.25°	34.1	33.8	33.4	33.0	32.8	32.6	32.3	32.1	31.8	31.6	31.3
35°	36.0	35.6	35.3	34.8	34.4	33.8	33.2	32.8	32.5	32.2	31.9



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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°	40.0	39.0	37.9	36.7	36.1	35.6	35.0	34.3	33.6	32.9	32.6
32.5°	45.4	44.4	43.2	41.8	40.3	38.6	36.7	36.0	35.3	34.5	33.7
31.25°	51.1	49.9	48.6	47.1	45.5	43.7	41.8	39.7	37.4	36.1	35.3
30°	56.9	55.7	54.3	52.7	50.9	48.9	46.8	44.6	42.2	39.7	37.1
28.75°	63.6	61.9	60.0	58.3	56.4	54.3	52.0	49.6	47.0	44.4	41.7
27.5°	79.2	74.8	69.7	65.0	62.5	59.7	57.3	54.7	52.0	49.1	46.2
26.25°	118.7	107.9	96.1	82.7	75.2	67.6	63.3	59.9	57.0	54.0	50.8
25°	177.1	160.4	143.7	124.6	106.5	89.3	76.5	67.3	62.6	58.8	55.5
23.75°	243.7	225.3	204.2	180.6	155.4	130.9	107.3	86.4	73.5	64.6	60.2
22.5°	312.2	292.3	269.2	243.5	215.0	184.7	153.5	123.8	98.4	78.0	66.2
21.25°	377.3	357.7	335.0	307.7	277.0	244.0	208.9	172.3	137.8	106.5	80.7
20°	432.9	415.3	394.3	368.8	338.8	304.2	266.3	226.7	186.0	146.3	110.5
18.75°	483.1	464.2	444.7	421.8	394.2	361.3	323.9	281.6	237.7	192.9	149.1
17.5°	547.4	518.7	493.9	466.9	441.3	411.3	376.6	335.5	289.3	241.4	192.9
16.25°	634.4	595.0	557.1	517.8	485.6	453.9	421.8	384.2	339.2	289.3	237.7
15°	745.2	693.3	639.8	585.9	539.5	497.4	460.2	425.3	384.2	335.5	281.6
13.75°	883.1	814.4	742.1	671.6	608.1	550.5	501.3	460.2	421.8	376.6	323.9
12.5°	1038.3	955.7	865.7	773.1	690.7	615.6	550.5	497.4	453.9	411.3	361.3
11.25°	1205.4	1107.5	1001.1	891.9	785.5	690.7	608.1	539.5	485.6	441.3	394.2
10°	1375.6	1263.6	1143.0	1016.5	891.9	773.1	671.6	585.9	517.8	466.9	421.8
8.75°	1549.8	1420.8	1283.4	1143.0	1001.1	865.7	742.1	639.8	557.1	493.9	444.7
7.5°	1716.8	1574.8	1420.8	1263.6	1107.5	955.7	814.4	693.3	595.0	518.7	464.2
6.25°	1870.3	1716.8	1549.8	1375.6	1205.4	1038.3	883.1	745.2	634.4	547.4	483.1
5°	2007.9	1841.2	1663.7	1477.1	1291.6	1114.4	946.3	793.7	667.8	571.4	499.8
3.75°	2115.9	1944.7	1756.4	1560.9	1363.0	1175.7	997.7	836.5	700.0	592.5	513.1
2.5°	2193.9	2022.2	1825.9	1623.5	1418.2	1222.0	1035.6	867.7	723.4	610.1	524.1
1.25°	2239.8	2067.8	1869.0	1662.2	1452.1	1250.5	1060.5	886.6	737.6	620.9	531.9
0°	2255.6	2083.4	1883.6	1675.3	1463.6	1260.1	1068.9	893.0	742.4	624.5	534.5
-1.25°	2239.8	2067.8	1869.0	1662.2	1452.1	1250.5	1060.5	886.6	737.6	620.9	531.9
-2.5°	2193.9	2022.2	1825.9	1623.5	1418.2	1222.0	1035.6	867.7	723.4	610.1	524.1
-3.75°	2115.9	1944.7	1756.4	1560.9	1363.0	1175.7	997.7	836.5	700.0	592.5	513.1
-5°	2007.9	1841.2	1663.7	1477.1	1291.6	1114.4	946.3	793.7	667.8	571.4	499.8
-6.25°	1870.3	1716.8	1549.8	1375.6	1205.4	1038.3	883.1	745.2	634.4	547.4	483.1
-7.5°	1716.8	1574.8	1420.8	1263.6	1107.5	955.7	814.4	693.3	595.0	518.7	464.2
-8.75°	1549.8	1420.8	1283.4	1143.0	1001.1	865.7	742.1	639.8	557.1	493.9	444.7
-10°	1375.6	1263.6	1143.0	1016.5	891.9	773.1	671.6	585.9	517.8	466.9	421.8
-11.25°	1205.4	1107.5	1001.1	891.9	785.5	690.7	608.1	539.5	485.6	441.3	394.2
-12.5°	1038.3	955.7	865.7	773.1	690.7	615.6	550.5	497.4	453.9	411.3	361.3
-13.75°	883.1	814.4	742.1	671.6	608.1	550.5	501.3	460.2	421.8	376.6	323.9
-15°	745.2	693.3	639.8	585.9	539.5	497.4	460.2	425.3	384.2	335.5	281.6
-16.25°	634.4	595.0	557.1	517.8	485.6	453.9	421.8	384.2	339.2	289.3	237.7
-17.5°	547.4	518.7	493.9	466.9	441.3	411.3	376.6	335.5	289.3	241.4	192.9
-18.75°	483.1	464.2	444.7	421.8	394.2	361.3	323.9	281.6	237.7	192.9	149.1
-20°	432.9	415.3	394.3	368.8	338.8	304.2	266.3	226.7	186.0	146.3	110.5
-21.25°	377.3	357.7	335.0	307.7	277.0	244.0	208.9	172.3	137.8	106.5	80.7



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	312.2	292.3	269.2	243.5	215.0	184.7	153.5	123.8	98.4	78.0	66.2
-23.75°	243.7	225.3	204.2	180.6	155.4	130.9	107.3	86.4	73.5	64.6	60.2
-25°	177.1	160.4	143.7	124.6	106.5	89.3	76.5	67.3	62.6	58.8	55.5
-26.25°	118.7	107.9	96.1	82.7	75.2	67.6	63.3	59.9	57.0	54.0	50.8
-27.5°	79.2	74.8	69.7	65.0	62.5	59.7	57.3	54.7	52.0	49.1	46.2
-28.75°	63.6	61.9	60.0	58.3	56.4	54.3	52.0	49.6	47.0	44.4	41.7
-30°	56.9	55.7	54.3	52.7	50.9	48.9	46.8	44.6	42.2	39.7	37.1
-31.25°	51.1	49.9	48.6	47.1	45.5	43.7	41.8	39.7	37.4	36.1	35.3
-32.5°	45.4	44.4	43.2	41.8	40.3	38.6	36.7	36.0	35.3	34.5	33.7
-33.75°	40.0	39.0	37.9	36.7	36.1	35.6	35.0	34.3	33.6	32.9	32.6
-35°	36.0	35.6	35.3	34.8	34.4	33.8	33.2	32.8	32.5	32.2	31.9
-36.25°	34.1	33.8	33.4	33.0	32.8	32.6	32.3	32.1	31.8	31.6	31.3
-37.5°	32.6	32.5	32.4	32.2	32.1	31.9	31.6	31.4	31.3	31.1	31.0
-38.75°	31.9	31.8	31.7	31.5	31.4	31.3	31.2	31.0	30.9	30.8	30.6
-40°	31.3	31.2	31.1	31.1	31.0	30.9	30.8	30.7	30.6	30.4	30.3
-41.25°	30.9	30.8	30.8	30.7	30.6	30.5	30.4	30.3	30.2	30.1	30.0
-42.5°	30.5	30.5	30.4	30.3	30.3	30.2	30.1	30.0	29.9	29.8	29.8
-43.75°	30.2	30.1	30.1	30.0	29.9	29.9	29.8	29.8	29.7	29.7	29.6
-45°	29.8	29.8	29.8	29.8	29.7	29.7	29.6	29.6	29.5	29.5	29.4
-46.25°	29.6	29.6	29.6	29.6	29.5	29.5	29.4	29.3	29.2	29.1	29.0
-47.5°	29.4	29.4	29.3	29.2	29.2	29.1	29.0	28.9	28.8	28.7	28.7
-48.75°	29.0	29.0	28.9	28.9	28.8	28.7	28.7	28.6	28.6	28.5	28.5
-50°	28.7	28.6	28.6	28.6	28.6	28.5	28.5	28.4	28.4	28.3	28.3
-51.25°	28.5	28.4	28.4	28.4	28.4	28.3	28.3	28.2	28.1	27.9	27.8
-52.5°	28.2	28.1	28.1	28.0	27.9	27.8	27.8	27.6	27.5	27.4	27.3
-53.75°	27.6	27.6	27.5	27.5	27.4	27.3	27.2	27.1	26.9	26.7	26.5
-55°	27.0	26.9	26.8	26.7	26.6	26.5	26.3	26.2	26.0	25.8	25.6
-56.25°	26.1	26.0	25.9	25.8	25.7	25.6	25.4	25.3	25.1	24.9	24.7
-57.5°	25.1	25.1	25.0	24.9	24.7	24.6	24.5	24.3	24.1	24.0	23.8
-58.75°	24.1	24.1	24.0	23.9	23.8	23.6	23.5	23.4	23.2	23.0	22.9
-60°	23.2	23.1	23.0	22.9	22.8	22.7	22.6	22.4	22.3	22.1	22.0
-61.25°	22.2	22.1	22.1	22.0	21.9	21.8	21.7	21.5	21.4	21.2	21.0
-62.5°	21.2	21.1	21.0	20.9	20.8	20.7	20.5	20.3	20.2	20.0	19.8
-63.75°	19.9	19.8	19.8	19.7	19.5	19.4	19.3	19.1	18.9	18.7	18.5
-65°	18.6	18.5	18.4	18.2	18.1	17.9	17.7	17.5	17.3	17.1	16.8
-66.25°	16.8	16.7	16.6	16.5	16.4	16.2	16.0	15.9	15.6	15.4	15.2
-67.5°	15.1	15.1	15.0	14.9	14.8	14.7	14.6	14.4	14.3	14.1	13.9
-68.75°	13.8	13.7	13.7	13.6	13.5	13.4	13.3	13.1	13.0	12.8	12.7
-70°	12.5	12.4	12.3	12.3	12.2	12.1	12.0	11.9	11.7	11.6	11.5
-71.25°	11.2	11.1	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.2
-72.5°	9.9	9.9	9.9	9.8	9.8	9.7	9.7	9.6	9.5	9.5	9.4
-73.75°	9.1	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6
-75°	8.4	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.2	8.2
-76.25°	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.8
-77.5°	7.7	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.5	7.4	7.4



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	7.1	7.1	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8
-80°	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1	6.1
-81.25°	5.5	5.5	5.5	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2
-82.5°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
-83.75°	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.7
-85°	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	2.9
-86.25°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2
-87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
87.5°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9
85°	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
83.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3
82.5°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
81.25°	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.7	4.7	4.6	4.5
80°	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4	5.3
78.75°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
77.5°	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.8	6.7
76.25°	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.3
75°	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
73.75°	8.6	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
72.5°	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
71.25°	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	9.0	8.9
70°	11.3	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.7	9.5
68.75°	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1	10.8	10.6	10.3
67.5°	13.8	13.6	13.4	13.1	12.9	12.7	12.4	12.2	11.9	11.7	11.4
66.25°	15.0	14.8	14.6	14.4	14.1	13.9	13.6	13.3	13.0	12.8	12.5
65°	16.6	16.3	16.0	15.7	15.3	15.1	14.8	14.5	14.2	13.9	13.6
63.75°	18.2	17.9	17.6	17.2	16.9	16.5	16.1	15.7	15.3	15.0	14.7
62.5°	19.5	19.3	19.1	18.8	18.4	18.1	17.6	17.2	16.8	16.4	15.9
61.25°	20.7	20.5	20.2	20.0	19.7	19.4	19.1	18.7	18.3	17.8	17.3
60°	21.8	21.6	21.4	21.1	20.8	20.5	20.2	19.8	19.5	19.1	18.7
58.75°	22.7	22.5	22.3	22.0	21.8	21.6	21.3	20.9	20.6	20.2	19.8
57.5°	23.6	23.3	23.1	22.9	22.6	22.4	22.1	21.9	21.6	21.2	20.8
56.25°	24.5	24.2	24.0	23.8	23.5	23.2	22.9	22.7	22.4	22.1	21.7
55°	25.4	25.2	24.9	24.6	24.4	24.1	23.8	23.5	23.1	22.8	22.5
53.75°	26.3	26.0	25.8	25.5	25.2	24.9	24.6	24.3	23.9	23.6	23.2
52.5°	27.1	26.9	26.6	26.3	26.0	25.7	25.4	25.1	24.8	24.4	24.0
51.25°	27.7	27.5	27.3	27.2	26.9	26.6	26.2	25.9	25.5	25.2	24.8
50°	28.1	28.0	27.8	27.7	27.5	27.3	27.0	26.7	26.3	25.9	25.5
48.75°	28.4	28.4	28.3	28.1	27.9	27.8	27.5	27.3	27.1	26.7	26.3
47.5°	28.6	28.5	28.5	28.4	28.3	28.2	28.0	27.8	27.6	27.3	27.0
46.25°	28.9	28.7	28.7	28.6	28.5	28.4	28.4	28.2	28.0	27.7	27.5
45°	29.2	29.1	29.0	28.8	28.7	28.6	28.5	28.4	28.3	28.2	27.9
43.75°	29.5	29.4	29.3	29.1	29.0	28.8	28.7	28.6	28.5	28.4	28.3
42.5°	29.7	29.6	29.6	29.5	29.3	29.1	29.0	28.8	28.6	28.6	28.5
41.25°	29.9	29.8	29.7	29.7	29.6	29.5	29.3	29.1	28.9	28.7	28.6
40°	30.2	30.1	29.9	29.8	29.7	29.6	29.5	29.4	29.2	29.0	28.8
38.75°	30.5	30.4	30.2	30.1	29.9	29.8	29.7	29.6	29.5	29.3	29.1
37.5°	30.8	30.7	30.5	30.3	30.2	30.0	29.9	29.8	29.6	29.5	29.3
36.25°	31.2	31.0	30.8	30.6	30.4	30.3	30.1	29.9	29.8	29.7	29.6
35°	31.6	31.3	31.1	30.9	30.7	30.5	30.3	30.2	30.0	29.8	29.7

REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	32.2	31.9	31.5	31.3	31.0	30.8	30.6	30.4	30.2	30.0	29.8
32.5°	32.9	32.5	32.1	31.7	31.4	31.1	30.9	30.7	30.4	30.2	30.0
31.25°	34.3	33.4	32.7	32.3	31.9	31.4	31.2	30.9	30.7	30.4	30.2
30°	35.9	34.9	33.9	32.9	32.4	32.0	31.5	31.2	30.9	30.7	30.4
28.75°	38.8	36.4	35.3	34.2	33.1	32.5	32.0	31.5	31.2	30.9	30.7
27.5°	43.2	40.1	36.9	35.6	34.4	33.2	32.5	32.0	31.5	31.2	30.9
26.25°	47.5	44.3	40.9	37.5	35.7	34.5	33.2	32.5	32.0	31.4	31.1
25°	52.0	48.5	45.0	41.4	37.7	35.7	34.4	33.1	32.4	31.9	31.4
23.75°	56.5	52.8	48.9	45.2	41.4	37.5	35.6	34.2	32.9	32.3	31.7
22.5°	61.2	57.0	53.0	48.9	45.0	40.9	36.9	35.3	33.9	32.7	32.1
21.25°	68.0	61.5	57.0	52.8	48.5	44.3	40.1	36.4	34.9	33.4	32.5
20°	81.8	68.0	61.2	56.5	52.0	47.5	43.2	38.8	35.9	34.3	32.9
18.75°	110.5	80.7	66.2	60.2	55.5	50.8	46.2	41.7	37.1	35.3	33.7
17.5°	146.3	106.5	78.0	64.6	58.8	54.0	49.1	44.4	39.7	36.1	34.5
16.25°	186.0	137.8	98.4	73.5	62.6	57.0	52.0	47.0	42.2	37.4	35.3
15°	226.7	172.3	123.8	86.4	67.3	59.9	54.7	49.6	44.6	39.7	36.0
13.75°	266.3	208.9	153.5	107.3	76.5	63.3	57.3	52.0	46.8	41.8	36.7
12.5°	304.2	244.0	184.7	130.9	89.3	67.6	59.7	54.3	48.9	43.7	38.6
11.25°	338.8	277.0	215.0	155.4	106.5	75.2	62.5	56.4	50.9	45.5	40.3
10°	368.8	307.7	243.5	180.6	124.6	82.7	65.0	58.3	52.7	47.1	41.8
8.75°	394.3	335.0	269.2	204.2	143.7	96.1	69.7	60.0	54.3	48.6	43.2
7.5°	415.3	357.7	292.3	225.3	160.4	107.9	74.8	61.9	55.7	49.9	44.4
6.25°	432.9	377.3	312.2	243.7	177.1	118.7	79.2	63.6	56.9	51.1	45.4
5°	446.1	392.2	328.7	259.0	191.1	130.0	84.4	64.9	57.9	52.0	46.3
3.75°	456.5	403.4	340.8	271.0	202.1	138.9	90.5	66.2	58.7	52.8	46.9
2.5°	464.0	411.4	349.5	279.8	210.0	145.2	95.0	68.2	59.3	53.3	47.4
1.25°	468.5	416.3	354.8	285.1	214.7	149.0	97.7	69.3	59.6	53.6	47.7
0°	470.0	417.9	356.5	286.9	216.3	150.3	98.6	69.7	59.7	53.8	47.8
-1.25°	468.5	416.3	354.8	285.1	214.7	149.0	97.7	69.3	59.6	53.6	47.7
-2.5°	464.0	411.4	349.5	279.8	210.0	145.2	95.0	68.2	59.3	53.3	47.4
-3.75°	456.5	403.4	340.8	271.0	202.1	138.9	90.5	66.2	58.7	52.8	46.9
-5°	446.1	392.2	328.7	259.0	191.1	130.0	84.4	64.9	57.9	52.0	46.3
-6.25°	432.9	377.3	312.2	243.7	177.1	118.7	79.2	63.6	56.9	51.1	45.4
-7.5°	415.3	357.7	292.3	225.3	160.4	107.9	74.8	61.9	55.7	49.9	44.4
-8.75°	394.3	335.0	269.2	204.2	143.7	96.1	69.7	60.0	54.3	48.6	43.2
-10°	368.8	307.7	243.5	180.6	124.6	82.7	65.0	58.3	52.7	47.1	41.8
-11.25°	338.8	277.0	215.0	155.4	106.5	75.2	62.5	56.4	50.9	45.5	40.3
-12.5°	304.2	244.0	184.7	130.9	89.3	67.6	59.7	54.3	48.9	43.7	38.6
-13.75°	266.3	208.9	153.5	107.3	76.5	63.3	57.3	52.0	46.8	41.8	36.7
-15°	226.7	172.3	123.8	86.4	67.3	59.9	54.7	49.6	44.6	39.7	36.0
-16.25°	186.0	137.8	98.4	73.5	62.6	57.0	52.0	47.0	42.2	37.4	35.3
-17.5°	146.3	106.5	78.0	64.6	58.8	54.0	49.1	44.4	39.7	36.1	34.5
-18.75°	110.5	80.7	66.2	60.2	55.5	50.8	46.2	41.7	37.1	35.3	33.7
-20°	81.8	68.0	61.2	56.5	52.0	47.5	43.2	38.8	35.9	34.3	32.9
-21.25°	68.0	61.5	57.0	52.8	48.5	44.3	40.1	36.4	34.9	33.4	32.5



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	61.2	57.0	53.0	48.9	45.0	40.9	36.9	35.3	33.9	32.7	32.1
-23.75°	56.5	52.8	48.9	45.2	41.4	37.5	35.6	34.2	32.9	32.3	31.7
-25°	52.0	48.5	45.0	41.4	37.7	35.7	34.4	33.1	32.4	31.9	31.4
-26.25°	47.5	44.3	40.9	37.5	35.7	34.5	33.2	32.5	32.0	31.4	31.1
-27.5°	43.2	40.1	36.9	35.6	34.4	33.2	32.5	32.0	31.5	31.2	30.9
-28.75°	38.8	36.4	35.3	34.2	33.1	32.5	32.0	31.5	31.2	30.9	30.7
-30°	35.9	34.9	33.9	32.9	32.4	32.0	31.5	31.2	30.9	30.7	30.4
-31.25°	34.3	33.4	32.7	32.3	31.9	31.4	31.2	30.9	30.7	30.4	30.2
-32.5°	32.9	32.5	32.1	31.7	31.4	31.1	30.9	30.7	30.4	30.2	30.0
-33.75°	32.2	31.9	31.5	31.3	31.0	30.8	30.6	30.4	30.2	30.0	29.8
-35°	31.6	31.3	31.1	30.9	30.7	30.5	30.3	30.2	30.0	29.8	29.7
-36.25°	31.2	31.0	30.8	30.6	30.4	30.3	30.1	29.9	29.8	29.7	29.6
-37.5°	30.8	30.7	30.5	30.3	30.2	30.0	29.9	29.8	29.6	29.5	29.3
-38.75°	30.5	30.4	30.2	30.1	29.9	29.8	29.7	29.6	29.5	29.3	29.1
-40°	30.2	30.1	29.9	29.8	29.7	29.6	29.5	29.4	29.2	29.0	28.8
-41.25°	29.9	29.8	29.7	29.7	29.6	29.5	29.3	29.1	28.9	28.7	28.6
-42.5°	29.7	29.6	29.6	29.5	29.3	29.1	29.0	28.8	28.6	28.6	28.5
-43.75°	29.5	29.4	29.3	29.1	29.0	28.8	28.7	28.6	28.5	28.4	28.3
-45°	29.2	29.1	29.0	28.8	28.7	28.6	28.5	28.4	28.3	28.2	27.9
-46.25°	28.9	28.7	28.7	28.6	28.5	28.4	28.4	28.2	28.0	27.7	27.5
-47.5°	28.6	28.5	28.5	28.4	28.3	28.2	28.0	27.8	27.6	27.3	27.0
-48.75°	28.4	28.4	28.3	28.1	27.9	27.8	27.5	27.3	27.1	26.7	26.3
-50°	28.1	28.0	27.8	27.7	27.5	27.3	27.0	26.7	26.3	25.9	25.5
-51.25°	27.7	27.5	27.3	27.2	26.9	26.6	26.2	25.9	25.5	25.2	24.8
-52.5°	27.1	26.9	26.6	26.3	26.0	25.7	25.4	25.1	24.8	24.4	24.0
-53.75°	26.3	26.0	25.8	25.5	25.2	24.9	24.6	24.3	23.9	23.6	23.2
-55°	25.4	25.2	24.9	24.6	24.4	24.1	23.8	23.5	23.1	22.8	22.5
-56.25°	24.5	24.2	24.0	23.8	23.5	23.2	22.9	22.7	22.4	22.1	21.7
-57.5°	23.6	23.3	23.1	22.9	22.6	22.4	22.1	21.9	21.6	21.2	20.8
-58.75°	22.7	22.5	22.3	22.0	21.8	21.6	21.3	20.9	20.6	20.2	19.8
-60°	21.8	21.6	21.4	21.1	20.8	20.5	20.2	19.8	19.5	19.1	18.7
-61.25°	20.7	20.5	20.2	20.0	19.7	19.4	19.1	18.7	18.3	17.8	17.3
-62.5°	19.5	19.3	19.1	18.8	18.4	18.1	17.6	17.2	16.8	16.4	15.9
-63.75°	18.2	17.9	17.6	17.2	16.9	16.5	16.1	15.7	15.3	15.0	14.7
-65°	16.6	16.3	16.0	15.7	15.3	15.1	14.8	14.5	14.2	13.9	13.6
-66.25°	15.0	14.8	14.6	14.4	14.1	13.9	13.6	13.3	13.0	12.8	12.5
-67.5°	13.8	13.6	13.4	13.1	12.9	12.7	12.4	12.2	11.9	11.7	11.4
-68.75°	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1	10.8	10.6	10.3
-70°	11.3	11.1	11.0	10.8	10.6	10.4	10.2	10.0	9.8	9.7	9.5
-71.25°	10.1	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	9.0	8.9
-72.5°	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3
-73.75°	8.6	8.5	8.4	8.4	8.3	8.3	8.2	8.2	8.1	8.1	8.0
-75°	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8	7.8	7.7
-76.25°	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.3
-77.5°	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	6.9	6.8	6.7



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1
-80°	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.6	5.5	5.4	5.3
-81.25°	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.7	4.7	4.6	4.5
-82.5°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
-83.75°	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3
-85°	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
-86.25°	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9
-87.5°	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0
86.25°	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
85°	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
83.75°	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7
82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2
81.25°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
80°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
78.75°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	4.9	4.8
77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4
76.25°	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.1
75°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.6
73.75°	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
72.5°	8.3	8.2	8.1	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.5
71.25°	8.7	8.6	8.4	8.3	8.3	8.2	8.1	8.0	8.0	7.9	7.8
70°	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.3	8.2	8.1	8.0
68.75°	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.4	8.3
67.5°	11.1	10.8	10.5	10.2	9.9	9.7	9.5	9.3	9.1	8.8	8.6
66.25°	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.9	9.6	9.4	9.1
65°	13.2	12.9	12.5	12.2	11.8	11.4	11.1	10.7	10.3	9.9	9.7
63.75°	14.3	13.9	13.6	13.2	12.8	12.4	12.0	11.6	11.2	10.8	10.3
62.5°	15.4	15.0	14.6	14.2	13.8	13.4	12.9	12.5	12.1	11.6	11.2
61.25°	16.8	16.3	15.8	15.2	14.8	14.4	13.9	13.4	13.0	12.5	12.0
60°	18.2	17.6	17.1	16.5	15.9	15.3	14.8	14.4	13.9	13.4	12.8
58.75°	19.4	19.0	18.4	17.8	17.2	16.6	15.9	15.3	14.8	14.2	13.7
57.5°	20.4	20.0	19.5	19.0	18.5	17.8	17.2	16.5	15.8	15.1	14.6
56.25°	21.4	21.0	20.5	20.0	19.5	19.0	18.4	17.7	16.9	16.2	15.4
55°	22.1	21.8	21.4	21.0	20.4	19.9	19.4	18.8	18.1	17.3	16.5
53.75°	22.9	22.5	22.1	21.8	21.4	20.8	20.3	19.7	19.1	18.4	17.6
52.5°	23.6	23.2	22.8	22.4	22.0	21.6	21.1	20.5	19.9	19.3	18.7
51.25°	24.4	24.0	23.6	23.1	22.7	22.3	21.8	21.4	20.8	20.1	19.5
50°	25.1	24.7	24.3	23.8	23.4	22.9	22.5	22.0	21.5	20.9	20.2
48.75°	25.9	25.4	25.0	24.5	24.1	23.6	23.1	22.6	22.1	21.6	21.0
47.5°	26.6	26.1	25.7	25.2	24.7	24.2	23.7	23.2	22.7	22.2	21.7
46.25°	27.2	26.8	26.4	25.9	25.4	24.9	24.4	23.8	23.3	22.7	22.2
45°	27.6	27.4	27.0	26.5	26.0	25.5	25.0	24.4	23.9	23.3	22.7
43.75°	28.0	27.8	27.5	27.2	26.7	26.1	25.6	25.0	24.5	23.9	23.3
42.5°	28.3	28.1	27.9	27.6	27.2	26.7	26.2	25.6	25.0	24.4	23.8
41.25°	28.5	28.4	28.2	27.9	27.6	27.3	26.8	26.2	25.6	25.0	24.4
40°	28.6	28.5	28.4	28.3	27.9	27.6	27.3	26.7	26.1	25.5	24.9
38.75°	28.8	28.7	28.5	28.4	28.3	27.9	27.6	27.2	26.7	26.0	25.4
37.5°	29.1	28.9	28.7	28.5	28.4	28.3	27.9	27.6	27.2	26.5	25.9
36.25°	29.4	29.1	28.9	28.7	28.5	28.4	28.2	27.9	27.5	27.0	26.4
35°	29.6	29.4	29.1	28.9	28.7	28.5	28.4	28.1	27.8	27.4	26.8



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	29.7	29.6	29.4	29.1	28.8	28.6	28.5	28.3	28.0	27.6	27.2
32.5°	29.8	29.7	29.6	29.3	29.1	28.8	28.6	28.5	28.3	27.9	27.5
31.25°	30.0	29.8	29.7	29.5	29.3	29.0	28.7	28.6	28.4	28.2	27.7
30°	30.2	30.0	29.8	29.6	29.5	29.2	28.9	28.6	28.5	28.3	28.0
28.75°	30.4	30.2	29.9	29.8	29.6	29.4	29.1	28.8	28.6	28.4	28.2
27.5°	30.6	30.3	30.1	29.9	29.7	29.5	29.3	29.0	28.7	28.5	28.4
26.25°	30.8	30.5	30.3	30.0	29.8	29.6	29.5	29.1	28.8	28.6	28.4
25°	31.0	30.7	30.4	30.2	29.9	29.7	29.6	29.3	29.0	28.7	28.5
23.75°	31.3	30.9	30.6	30.3	30.1	29.8	29.7	29.5	29.1	28.8	28.6
22.5°	31.5	31.1	30.8	30.5	30.2	29.9	29.7	29.6	29.3	29.0	28.7
21.25°	31.9	31.3	31.0	30.7	30.4	30.1	29.8	29.6	29.4	29.1	28.7
20°	32.2	31.6	31.2	30.8	30.5	30.2	29.9	29.7	29.5	29.2	28.9
18.75°	32.6	31.9	31.3	31.0	30.6	30.3	30.0	29.8	29.6	29.4	29.0
17.5°	32.9	32.2	31.6	31.1	30.8	30.4	30.1	29.8	29.7	29.5	29.1
16.25°	33.6	32.5	31.8	31.3	30.9	30.6	30.2	29.9	29.7	29.5	29.2
15°	34.3	32.8	32.1	31.4	31.0	30.7	30.3	30.0	29.8	29.6	29.3
13.75°	35.0	33.2	32.3	31.6	31.2	30.8	30.4	30.1	29.8	29.6	29.4
12.5°	35.6	33.8	32.6	31.9	31.3	30.9	30.5	30.2	29.9	29.7	29.5
11.25°	36.1	34.4	32.8	32.1	31.4	31.0	30.6	30.3	29.9	29.7	29.5
10°	36.7	34.8	33.0	32.2	31.5	31.1	30.7	30.3	30.0	29.8	29.6
8.75°	37.9	35.3	33.4	32.4	31.7	31.1	30.8	30.4	30.1	29.8	29.6
7.5°	39.0	35.6	33.8	32.5	31.8	31.2	30.8	30.5	30.1	29.8	29.6
6.25°	40.0	36.0	34.1	32.6	31.9	31.3	30.9	30.5	30.2	29.8	29.6
5°	40.8	36.2	34.3	32.7	32.0	31.3	30.9	30.5	30.2	29.9	29.7
3.75°	41.4	36.4	34.5	32.8	32.1	31.4	31.0	30.6	30.2	29.9	29.7
2.5°	41.9	36.6	34.7	32.9	32.1	31.4	31.0	30.6	30.2	29.9	29.7
1.25°	42.2	36.7	34.8	32.9	32.1	31.4	31.0	30.6	30.2	29.9	29.7
0°	42.3	36.7	34.8	32.9	32.2	31.4	31.0	30.6	30.3	29.9	29.7
-1.25°	42.2	36.7	34.8	32.9	32.1	31.4	31.0	30.6	30.2	29.9	29.7
-2.5°	41.9	36.6	34.7	32.9	32.1	31.4	31.0	30.6	30.2	29.9	29.7
-3.75°	41.4	36.4	34.5	32.8	32.1	31.4	31.0	30.6	30.2	29.9	29.7
-5°	40.8	36.2	34.3	32.7	32.0	31.3	30.9	30.5	30.2	29.9	29.7
-6.25°	40.0	36.0	34.1	32.6	31.9	31.3	30.9	30.5	30.2	29.8	29.6
-7.5°	39.0	35.6	33.8	32.5	31.8	31.2	30.8	30.5	30.1	29.8	29.6
-8.75°	37.9	35.3	33.4	32.4	31.7	31.1	30.8	30.4	30.1	29.8	29.6
-10°	36.7	34.8	33.0	32.2	31.5	31.1	30.7	30.3	30.0	29.8	29.6
-11.25°	36.1	34.4	32.8	32.1	31.4	31.0	30.6	30.3	29.9	29.7	29.5
-12.5°	35.6	33.8	32.6	31.9	31.3	30.9	30.5	30.2	29.9	29.7	29.5
-13.75°	35.0	33.2	32.3	31.6	31.2	30.8	30.4	30.1	29.8	29.6	29.4
-15°	34.3	32.8	32.1	31.4	31.0	30.7	30.3	30.0	29.8	29.6	29.3
-16.25°	33.6	32.5	31.8	31.3	30.9	30.6	30.2	29.9	29.7	29.5	29.2
-17.5°	32.9	32.2	31.6	31.1	30.8	30.4	30.1	29.8	29.7	29.5	29.1
-18.75°	32.6	31.9	31.3	31.0	30.6	30.3	30.0	29.8	29.6	29.4	29.0
-20°	32.2	31.6	31.2	30.8	30.5	30.2	29.9	29.7	29.5	29.2	28.9
-21.25°	31.9	31.3	31.0	30.7	30.4	30.1	29.8	29.6	29.4	29.1	28.7



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	31.5	31.1	30.8	30.5	30.2	29.9	29.7	29.6	29.3	29.0	28.7
-23.75°	31.3	30.9	30.6	30.3	30.1	29.8	29.7	29.5	29.1	28.8	28.6
-25°	31.0	30.7	30.4	30.2	29.9	29.7	29.6	29.3	29.0	28.7	28.5
-26.25°	30.8	30.5	30.3	30.0	29.8	29.6	29.5	29.1	28.8	28.6	28.4
-27.5°	30.6	30.3	30.1	29.9	29.7	29.5	29.3	29.0	28.7	28.5	28.4
-28.75°	30.4	30.2	29.9	29.8	29.6	29.4	29.1	28.8	28.6	28.4	28.2
-30°	30.2	30.0	29.8	29.6	29.5	29.2	28.9	28.6	28.5	28.3	28.0
-31.25°	30.0	29.8	29.7	29.5	29.3	29.0	28.7	28.6	28.4	28.2	27.7
-32.5°	29.8	29.7	29.6	29.3	29.1	28.8	28.6	28.5	28.3	27.9	27.5
-33.75°	29.7	29.6	29.4	29.1	28.8	28.6	28.5	28.3	28.0	27.6	27.2
-35°	29.6	29.4	29.1	28.9	28.7	28.5	28.4	28.1	27.8	27.4	26.8
-36.25°	29.4	29.1	28.9	28.7	28.5	28.4	28.2	27.9	27.5	27.0	26.4
-37.5°	29.1	28.9	28.7	28.5	28.4	28.3	27.9	27.6	27.2	26.5	25.9
-38.75°	28.8	28.7	28.5	28.4	28.3	27.9	27.6	27.2	26.7	26.0	25.4
-40°	28.6	28.5	28.4	28.3	27.9	27.6	27.3	26.7	26.1	25.5	24.9
-41.25°	28.5	28.4	28.2	27.9	27.6	27.3	26.8	26.2	25.6	25.0	24.4
-42.5°	28.3	28.1	27.9	27.6	27.2	26.7	26.2	25.6	25.0	24.4	23.8
-43.75°	28.0	27.8	27.5	27.2	26.7	26.1	25.6	25.0	24.5	23.9	23.3
-45°	27.6	27.4	27.0	26.5	26.0	25.5	25.0	24.4	23.9	23.3	22.7
-46.25°	27.2	26.8	26.4	25.9	25.4	24.9	24.4	23.8	23.3	22.7	22.2
-47.5°	26.6	26.1	25.7	25.2	24.7	24.2	23.7	23.2	22.7	22.2	21.7
-48.75°	25.9	25.4	25.0	24.5	24.1	23.6	23.1	22.6	22.1	21.6	21.0
-50°	25.1	24.7	24.3	23.8	23.4	22.9	22.5	22.0	21.5	20.9	20.2
-51.25°	24.4	24.0	23.6	23.1	22.7	22.3	21.8	21.4	20.8	20.1	19.5
-52.5°	23.6	23.2	22.8	22.4	22.0	21.6	21.1	20.5	19.9	19.3	18.7
-53.75°	22.9	22.5	22.1	21.8	21.4	20.8	20.3	19.7	19.1	18.4	17.6
-55°	22.1	21.8	21.4	21.0	20.4	19.9	19.4	18.8	18.1	17.3	16.5
-56.25°	21.4	21.0	20.5	20.0	19.5	19.0	18.4	17.7	16.9	16.2	15.4
-57.5°	20.4	20.0	19.5	19.0	18.5	17.8	17.2	16.5	15.8	15.1	14.6
-58.75°	19.4	19.0	18.4	17.8	17.2	16.6	15.9	15.3	14.8	14.2	13.7
-60°	18.2	17.6	17.1	16.5	15.9	15.3	14.8	14.4	13.9	13.4	12.8
-61.25°	16.8	16.3	15.8	15.2	14.8	14.4	13.9	13.4	13.0	12.5	12.0
-62.5°	15.4	15.0	14.6	14.2	13.8	13.4	12.9	12.5	12.1	11.6	11.2
-63.75°	14.3	13.9	13.6	13.2	12.8	12.4	12.0	11.6	11.2	10.8	10.3
-65°	13.2	12.9	12.5	12.2	11.8	11.4	11.1	10.7	10.3	9.9	9.7
-66.25°	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.9	9.6	9.4	9.1
-67.5°	11.1	10.8	10.5	10.2	9.9	9.7	9.5	9.3	9.1	8.8	8.6
-68.75°	10.0	9.9	9.7	9.5	9.3	9.1	8.9	8.7	8.5	8.4	8.3
-70°	9.4	9.2	9.0	8.9	8.7	8.5	8.4	8.3	8.2	8.1	8.0
-71.25°	8.7	8.6	8.4	8.3	8.3	8.2	8.1	8.0	8.0	7.9	7.8
-72.5°	8.3	8.2	8.1	8.1	8.0	7.9	7.9	7.8	7.7	7.6	7.5
-73.75°	8.0	7.9	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
-75°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.6
-76.25°	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.1
-77.5°	6.7	6.6	6.5	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	4.9	4.8
-80°	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2
-81.25°	4.5	4.4	4.3	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7
-82.5°	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2
-83.75°	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7
-85°	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
-86.25°	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
-87.5°	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.0
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
86.25°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
85°	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5
83.75°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9
82.5°	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3
81.25°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
80°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
78.75°	4.7	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5
77.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.8
76.25°	5.9	5.8	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.3	4.2
75°	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6
73.75°	6.9	6.8	6.7	6.5	6.4	6.1	5.9	5.7	5.5	5.2	5.0
72.5°	7.3	7.2	7.0	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
71.25°	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.6	6.5	6.2	5.9
70°	7.9	7.8	7.8	7.6	7.5	7.3	7.1	7.0	6.8	6.6	6.4
68.75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7
67.5°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.4	7.2	7.0
66.25°	8.9	8.7	8.4	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3
65°	9.4	9.2	8.9	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.6
63.75°	9.9	9.7	9.4	9.1	8.8	8.5	8.3	8.2	8.0	7.9	7.8
62.5°	10.7	10.2	9.9	9.6	9.2	8.9	8.6	8.4	8.2	8.1	7.9
61.25°	11.5	11.0	10.5	10.0	9.7	9.4	9.0	8.7	8.4	8.2	8.1
60°	12.3	11.8	11.3	10.8	10.2	9.8	9.5	9.1	8.8	8.4	8.3
58.75°	13.2	12.6	12.1	11.5	10.9	10.4	9.9	9.5	9.2	8.8	8.4
57.5°	14.0	13.4	12.8	12.2	11.7	11.1	10.5	9.9	9.5	9.2	8.8
56.25°	14.8	14.2	13.6	13.0	12.4	11.7	11.1	10.5	9.9	9.5	9.1
55°	15.7	15.0	14.4	13.7	13.1	12.4	11.8	11.1	10.5	9.9	9.5
53.75°	16.8	15.9	15.1	14.5	13.8	13.1	12.4	11.7	11.1	10.4	9.8
52.5°	17.8	16.9	16.0	15.2	14.5	13.8	13.1	12.4	11.7	10.9	10.2
51.25°	18.8	17.9	17.0	16.1	15.2	14.5	13.7	13.0	12.2	11.5	10.8
50°	19.6	18.9	18.0	17.0	16.0	15.1	14.4	13.6	12.8	12.1	11.3
48.75°	20.3	19.6	18.9	17.9	16.9	15.9	15.0	14.2	13.4	12.6	11.8
47.5°	21.0	20.3	19.6	18.8	17.8	16.8	15.7	14.8	14.0	13.2	12.3
46.25°	21.7	21.0	20.2	19.5	18.7	17.6	16.5	15.4	14.6	13.7	12.8
45°	22.2	21.6	20.9	20.1	19.3	18.4	17.3	16.2	15.1	14.2	13.4
43.75°	22.7	22.1	21.5	20.8	19.9	19.1	18.1	16.9	15.8	14.8	13.9
42.5°	23.2	22.6	22.0	21.4	20.5	19.7	18.8	17.7	16.5	15.3	14.4
41.25°	23.7	23.1	22.5	21.8	21.1	20.3	19.4	18.4	17.2	15.9	14.8
40°	24.2	23.6	22.9	22.3	21.6	20.8	19.9	19.0	17.8	16.6	15.3
38.75°	24.7	24.1	23.4	22.7	22.0	21.4	20.4	19.5	18.5	17.2	15.9
37.5°	25.2	24.5	23.8	23.1	22.4	21.8	21.0	20.0	19.0	17.8	16.5
36.25°	25.7	25.0	24.3	23.6	22.8	22.1	21.4	20.5	19.5	18.4	17.1
35°	26.1	25.4	24.7	24.0	23.2	22.5	21.8	21.0	20.0	19.0	17.6



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	26.6	25.9	25.1	24.4	23.6	22.9	22.1	21.4	20.4	19.4	18.2
32.5°	27.0	26.3	25.5	24.8	24.0	23.2	22.5	21.7	20.8	19.8	18.7
31.25°	27.3	26.7	25.9	25.2	24.4	23.6	22.8	22.1	21.2	20.2	19.1
30°	27.6	27.1	26.3	25.5	24.8	23.9	23.1	22.4	21.6	20.6	19.5
28.75°	27.8	27.3	26.7	25.9	25.1	24.3	23.5	22.7	21.9	20.9	19.8
27.5°	28.0	27.5	27.0	26.2	25.4	24.6	23.8	22.9	22.1	21.3	20.2
26.25°	28.2	27.8	27.3	26.6	25.7	24.9	24.1	23.2	22.4	21.6	20.5
25°	28.3	27.9	27.5	26.9	26.0	25.2	24.4	23.5	22.6	21.8	20.8
23.75°	28.4	28.1	27.7	27.2	26.3	25.5	24.6	23.8	22.9	22.0	21.1
22.5°	28.5	28.3	27.8	27.3	26.6	25.8	24.9	24.0	23.1	22.3	21.4
21.25°	28.5	28.4	28.0	27.5	26.9	26.0	25.2	24.2	23.3	22.5	21.6
20°	28.6	28.4	28.1	27.7	27.1	26.3	25.4	24.5	23.6	22.7	21.8
18.75°	28.7	28.5	28.3	27.8	27.3	26.5	25.6	24.7	23.8	22.9	22.0
17.5°	28.7	28.5	28.3	27.9	27.4	26.7	25.8	24.9	24.0	23.0	22.1
16.25°	28.8	28.6	28.4	28.1	27.5	26.9	26.0	25.1	24.1	23.2	22.3
15°	28.9	28.6	28.4	28.2	27.6	27.1	26.2	25.3	24.3	23.4	22.4
13.75°	29.0	28.7	28.5	28.3	27.8	27.2	26.3	25.4	24.5	23.5	22.6
12.5°	29.1	28.7	28.5	28.3	27.8	27.3	26.5	25.6	24.6	23.6	22.7
11.25°	29.2	28.8	28.6	28.4	27.9	27.4	26.6	25.7	24.7	23.8	22.8
10°	29.2	28.9	28.6	28.4	28.0	27.5	26.7	25.8	24.9	23.9	22.9
8.75°	29.3	28.9	28.6	28.4	28.1	27.5	26.8	25.9	25.0	24.0	23.0
7.5°	29.4	29.0	28.6	28.4	28.1	27.6	26.9	26.0	25.1	24.1	23.1
6.25°	29.4	29.0	28.7	28.5	28.2	27.6	27.0	26.1	25.1	24.1	23.2
5°	29.4	29.0	28.7	28.5	28.2	27.7	27.1	26.1	25.2	24.2	23.2
3.75°	29.5	29.1	28.7	28.5	28.3	27.7	27.1	26.2	25.2	24.2	23.2
2.5°	29.5	29.1	28.7	28.5	28.3	27.7	27.2	26.2	25.3	24.3	23.3
1.25°	29.5	29.1	28.7	28.5	28.3	27.7	27.2	26.2	25.3	24.3	23.3
0°	29.5	29.1	28.7	28.5	28.3	27.8	27.2	26.3	25.3	24.3	23.3
-1.25°	29.5	29.1	28.7	28.5	28.3	27.7	27.2	26.2	25.3	24.3	23.3
-2.5°	29.5	29.1	28.7	28.5	28.3	27.7	27.2	26.2	25.3	24.3	23.3
-3.75°	29.5	29.1	28.7	28.5	28.3	27.7	27.1	26.2	25.2	24.2	23.2
-5°	29.4	29.0	28.7	28.5	28.2	27.7	27.1	26.1	25.2	24.2	23.2
-6.25°	29.4	29.0	28.7	28.5	28.2	27.6	27.0	26.1	25.1	24.1	23.2
-7.5°	29.4	29.0	28.6	28.4	28.1	27.6	26.9	26.0	25.1	24.1	23.1
-8.75°	29.3	28.9	28.6	28.4	28.1	27.5	26.8	25.9	25.0	24.0	23.0
-10°	29.2	28.9	28.6	28.4	28.0	27.5	26.7	25.8	24.9	23.9	22.9
-11.25°	29.2	28.8	28.6	28.4	27.9	27.4	26.6	25.7	24.7	23.8	22.8
-12.5°	29.1	28.7	28.5	28.3	27.8	27.3	26.5	25.6	24.6	23.6	22.7
-13.75°	29.0	28.7	28.5	28.3	27.8	27.2	26.3	25.4	24.5	23.5	22.6
-15°	28.9	28.6	28.4	28.2	27.6	27.1	26.2	25.3	24.3	23.4	22.4
-16.25°	28.8	28.6	28.4	28.1	27.5	26.9	26.0	25.1	24.1	23.2	22.3
-17.5°	28.7	28.5	28.3	27.9	27.4	26.7	25.8	24.9	24.0	23.0	22.1
-18.75°	28.7	28.5	28.3	27.8	27.3	26.5	25.6	24.7	23.8	22.9	22.0
-20°	28.6	28.4	28.1	27.7	27.1	26.3	25.4	24.5	23.6	22.7	21.8
-21.25°	28.5	28.4	28.0	27.5	26.9	26.0	25.2	24.2	23.3	22.5	21.6



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	28.5	28.3	27.8	27.3	26.6	25.8	24.9	24.0	23.1	22.3	21.4
-23.75°	28.4	28.1	27.7	27.2	26.3	25.5	24.6	23.8	22.9	22.0	21.1
-25°	28.3	27.9	27.5	26.9	26.0	25.2	24.4	23.5	22.6	21.8	20.8
-26.25°	28.2	27.8	27.3	26.6	25.7	24.9	24.1	23.2	22.4	21.6	20.5
-27.5°	28.0	27.5	27.0	26.2	25.4	24.6	23.8	22.9	22.1	21.3	20.2
-28.75°	27.8	27.3	26.7	25.9	25.1	24.3	23.5	22.7	21.9	20.9	19.8
-30°	27.6	27.1	26.3	25.5	24.8	23.9	23.1	22.4	21.6	20.6	19.5
-31.25°	27.3	26.7	25.9	25.2	24.4	23.6	22.8	22.1	21.2	20.2	19.1
-32.5°	27.0	26.3	25.5	24.8	24.0	23.2	22.5	21.7	20.8	19.8	18.7
-33.75°	26.6	25.9	25.1	24.4	23.6	22.9	22.1	21.4	20.4	19.4	18.2
-35°	26.1	25.4	24.7	24.0	23.2	22.5	21.8	21.0	20.0	19.0	17.6
-36.25°	25.7	25.0	24.3	23.6	22.8	22.1	21.4	20.5	19.5	18.4	17.1
-37.5°	25.2	24.5	23.8	23.1	22.4	21.8	21.0	20.0	19.0	17.8	16.5
-38.75°	24.7	24.1	23.4	22.7	22.0	21.4	20.4	19.5	18.5	17.2	15.9
-40°	24.2	23.6	22.9	22.3	21.6	20.8	19.9	19.0	17.8	16.6	15.3
-41.25°	23.7	23.1	22.5	21.8	21.1	20.3	19.4	18.4	17.2	15.9	14.8
-42.5°	23.2	22.6	22.0	21.4	20.5	19.7	18.8	17.7	16.5	15.3	14.4
-43.75°	22.7	22.1	21.5	20.8	19.9	19.1	18.1	16.9	15.8	14.8	13.9
-45°	22.2	21.6	20.9	20.1	19.3	18.4	17.3	16.2	15.1	14.2	13.4
-46.25°	21.7	21.0	20.2	19.5	18.7	17.6	16.5	15.4	14.6	13.7	12.8
-47.5°	21.0	20.3	19.6	18.8	17.8	16.8	15.7	14.8	14.0	13.2	12.3
-48.75°	20.3	19.6	18.9	17.9	16.9	15.9	15.0	14.2	13.4	12.6	11.8
-50°	19.6	18.9	18.0	17.0	16.0	15.1	14.4	13.6	12.8	12.1	11.3
-51.25°	18.8	17.9	17.0	16.1	15.2	14.5	13.7	13.0	12.2	11.5	10.8
-52.5°	17.8	16.9	16.0	15.2	14.5	13.8	13.1	12.4	11.7	10.9	10.2
-53.75°	16.8	15.9	15.1	14.5	13.8	13.1	12.4	11.7	11.1	10.4	9.8
-55°	15.7	15.0	14.4	13.7	13.1	12.4	11.8	11.1	10.5	9.9	9.5
-56.25°	14.8	14.2	13.6	13.0	12.4	11.7	11.1	10.5	9.9	9.5	9.1
-57.5°	14.0	13.4	12.8	12.2	11.7	11.1	10.5	9.9	9.5	9.2	8.8
-58.75°	13.2	12.6	12.1	11.5	10.9	10.4	9.9	9.5	9.2	8.8	8.4
-60°	12.3	11.8	11.3	10.8	10.2	9.8	9.5	9.1	8.8	8.4	8.3
-61.25°	11.5	11.0	10.5	10.0	9.7	9.4	9.0	8.7	8.4	8.2	8.1
-62.5°	10.7	10.2	9.9	9.6	9.2	8.9	8.6	8.4	8.2	8.1	7.9
-63.75°	9.9	9.7	9.4	9.1	8.8	8.5	8.3	8.2	8.0	7.9	7.8
-65°	9.4	9.2	8.9	8.6	8.4	8.3	8.1	8.0	7.9	7.7	7.6
-66.25°	8.9	8.7	8.4	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3
-67.5°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.4	7.2	7.0
-68.75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.3	7.1	6.9	6.7
-70°	7.9	7.8	7.8	7.6	7.5	7.3	7.1	7.0	6.8	6.6	6.4
-71.25°	7.7	7.6	7.4	7.3	7.1	7.0	6.8	6.6	6.5	6.2	5.9
-72.5°	7.3	7.2	7.0	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
-73.75°	6.9	6.8	6.7	6.5	6.4	6.1	5.9	5.7	5.5	5.2	5.0
-75°	6.5	6.4	6.2	6.0	5.8	5.6	5.4	5.2	5.0	4.8	4.6
-76.25°	5.9	5.8	5.6	5.4	5.2	5.0	4.9	4.7	4.5	4.3	4.2
-77.5°	5.3	5.1	5.0	4.8	4.7	4.5	4.4	4.2	4.1	4.0	3.8



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	4.7	4.5	4.4	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5
-80°	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1
-81.25°	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-82.5°	3.1	3.1	3.0	2.9	2.8	2.7	2.6	2.6	2.5	2.4	2.3
-83.75°	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0	2.0	1.9
-85°	2.1	2.0	2.0	1.9	1.8	1.8	1.7	1.7	1.6	1.6	1.5
-86.25°	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1
-87.5°	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.7
-88.75°	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
87.5°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
86.25°	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6
85°	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8
83.75°	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0
82.5°	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3
81.25°	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
80°	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.7
78.75°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.1	1.9
77.5°	3.7	3.5	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.1
76.25°	4.0	3.9	3.7	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3
75°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.6
73.75°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
72.5°	5.2	5.0	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
71.25°	5.7	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.4	3.2
70°	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1	3.9	3.6	3.4
68.75°	6.5	6.2	5.9	5.6	5.3	5.0	4.6	4.4	4.1	3.9	3.6
67.5°	6.8	6.6	6.3	6.0	5.6	5.3	5.0	4.6	4.3	4.1	3.8
66.25°	7.1	6.8	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.3	4.0
65°	7.3	7.1	6.9	6.6	6.3	6.0	5.6	5.2	4.8	4.5	4.2
63.75°	7.6	7.4	7.1	6.9	6.6	6.3	5.9	5.5	5.1	4.7	4.4
62.5°	7.8	7.6	7.4	7.1	6.8	6.6	6.2	5.8	5.4	5.0	4.6
61.25°	7.9	7.8	7.6	7.3	7.1	6.8	6.5	6.1	5.7	5.2	4.8
60°	8.1	7.9	7.8	7.6	7.3	7.0	6.7	6.4	5.9	5.5	5.0
58.75°	8.2	8.1	7.9	7.7	7.5	7.2	6.9	6.6	6.2	5.7	5.2
57.5°	8.4	8.2	8.0	7.9	7.7	7.4	7.1	6.8	6.5	6.0	5.5
56.25°	8.7	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.6	6.2	5.7
55°	9.0	8.6	8.3	8.1	7.9	7.8	7.5	7.1	6.8	6.4	5.9
53.75°	9.4	8.9	8.5	8.3	8.1	7.9	7.6	7.3	7.0	6.6	6.1
52.5°	9.7	9.2	8.8	8.4	8.2	8.0	7.8	7.5	7.1	6.8	6.4
51.25°	10.0	9.6	9.1	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5
50°	10.5	9.9	9.4	8.9	8.4	8.2	8.0	7.8	7.4	7.0	6.7
48.75°	11.0	10.2	9.7	9.2	8.7	8.3	8.1	7.8	7.6	7.2	6.8
47.5°	11.5	10.7	9.9	9.4	8.9	8.4	8.2	7.9	7.7	7.3	6.9
46.25°	12.0	11.2	10.3	9.7	9.1	8.6	8.3	8.0	7.8	7.5	7.1
45°	12.5	11.6	10.8	9.9	9.4	8.8	8.4	8.1	7.9	7.6	7.2
43.75°	13.0	12.1	11.2	10.3	9.6	9.1	8.5	8.2	8.0	7.7	7.3
42.5°	13.4	12.5	11.6	10.7	9.9	9.3	8.7	8.3	8.0	7.8	7.4
41.25°	13.9	12.9	12.0	11.1	10.1	9.5	8.9	8.4	8.1	7.9	7.5
40°	14.4	13.4	12.4	11.4	10.5	9.7	9.1	8.5	8.2	7.9	7.6
38.75°	14.8	13.8	12.8	11.8	10.8	9.9	9.3	8.7	8.3	8.0	7.7
37.5°	15.2	14.2	13.2	12.2	11.2	10.2	9.5	8.9	8.3	8.1	7.8
36.25°	15.8	14.6	13.6	12.5	11.5	10.5	9.7	9.0	8.4	8.1	7.9
35°	16.3	15.0	13.9	12.9	11.8	10.8	9.9	9.2	8.6	8.2	7.9



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	16.8	15.4	14.3	13.2	12.1	11.1	10.0	9.4	8.7	8.3	8.0
32.5°	17.3	15.9	14.7	13.6	12.5	11.4	10.3	9.5	8.9	8.3	8.0
31.25°	17.8	16.4	15.0	13.9	12.8	11.7	10.6	9.7	9.0	8.4	8.1
30°	18.3	16.8	15.3	14.2	13.0	11.9	10.8	9.8	9.1	8.5	8.1
28.75°	18.7	17.2	15.7	14.5	13.3	12.2	11.1	10.0	9.3	8.6	8.2
27.5°	19.1	17.6	16.1	14.8	13.6	12.4	11.3	10.2	9.4	8.7	8.2
26.25°	19.4	18.1	16.5	15.1	13.9	12.7	11.5	10.4	9.5	8.8	8.3
25°	19.7	18.4	16.9	15.3	14.1	12.9	11.7	10.6	9.6	8.9	8.3
23.75°	20.0	18.8	17.2	15.7	14.4	13.1	11.9	10.8	9.8	9.0	8.4
22.5°	20.2	19.1	17.6	16.0	14.6	13.4	12.1	11.0	9.9	9.1	8.4
21.25°	20.5	19.3	17.9	16.3	14.8	13.6	12.3	11.1	10.0	9.2	8.5
20°	20.7	19.5	18.2	16.6	15.0	13.8	12.5	11.3	10.1	9.3	8.6
18.75°	21.0	19.8	18.5	16.8	15.2	13.9	12.7	11.5	10.2	9.4	8.6
17.5°	21.2	20.0	18.7	17.1	15.4	14.1	12.8	11.6	10.4	9.5	8.7
16.25°	21.4	20.2	18.9	17.3	15.6	14.3	13.0	11.7	10.5	9.5	8.8
15°	21.5	20.3	19.1	17.5	15.9	14.4	13.1	11.9	10.6	9.6	8.8
13.75°	21.7	20.5	19.3	17.7	16.0	14.6	13.3	12.0	10.7	9.7	8.9
12.5°	21.8	20.7	19.4	17.9	16.2	14.7	13.4	12.1	10.8	9.7	8.9
11.25°	21.9	20.8	19.5	18.1	16.4	14.8	13.5	12.2	10.9	9.8	9.0
10°	22.0	20.9	19.7	18.2	16.5	14.9	13.6	12.3	11.0	9.8	9.0
8.75°	22.1	21.0	19.8	18.4	16.6	15.0	13.7	12.3	11.1	9.9	9.1
7.5°	22.1	21.1	19.8	18.5	16.7	15.1	13.7	12.4	11.1	9.9	9.1
6.25°	22.2	21.2	19.9	18.6	16.8	15.1	13.8	12.5	11.2	9.9	9.1
5°	22.3	21.3	20.0	18.7	16.9	15.2	13.9	12.5	11.2	10.0	9.2
3.75°	22.3	21.3	20.0	18.7	17.0	15.2	13.9	12.6	11.3	10.0	9.2
2.5°	22.3	21.4	20.1	18.8	17.0	15.3	13.9	12.6	11.3	10.0	9.2
1.25°	22.3	21.4	20.1	18.8	17.0	15.3	13.9	12.6	11.3	10.0	9.2
0°	22.4	21.4	20.1	18.8	17.1	15.3	14.0	12.6	11.3	10.0	9.2
-1.25°	22.3	21.4	20.1	18.8	17.0	15.3	13.9	12.6	11.3	10.0	9.2
-2.5°	22.3	21.4	20.1	18.8	17.0	15.3	13.9	12.6	11.3	10.0	9.2
-3.75°	22.3	21.3	20.0	18.7	17.0	15.2	13.9	12.6	11.3	10.0	9.2
-5°	22.3	21.3	20.0	18.7	16.9	15.2	13.9	12.5	11.2	10.0	9.2
-6.25°	22.2	21.2	19.9	18.6	16.8	15.1	13.8	12.5	11.2	9.9	9.1
-7.5°	22.1	21.1	19.8	18.5	16.7	15.1	13.7	12.4	11.1	9.9	9.1
-8.75°	22.1	21.0	19.8	18.4	16.6	15.0	13.7	12.3	11.1	9.9	9.1
-10°	22.0	20.9	19.7	18.2	16.5	14.9	13.6	12.3	11.0	9.8	9.0
-11.25°	21.9	20.8	19.5	18.1	16.4	14.8	13.5	12.2	10.9	9.8	9.0
-12.5°	21.8	20.7	19.4	17.9	16.2	14.7	13.4	12.1	10.8	9.7	8.9
-13.75°	21.7	20.5	19.3	17.7	16.0	14.6	13.3	12.0	10.7	9.7	8.9
-15°	21.5	20.3	19.1	17.5	15.9	14.4	13.1	11.9	10.6	9.6	8.8
-16.25°	21.4	20.2	18.9	17.3	15.6	14.3	13.0	11.7	10.5	9.5	8.8
-17.5°	21.2	20.0	18.7	17.1	15.4	14.1	12.8	11.6	10.4	9.5	8.7
-18.75°	21.0	19.8	18.5	16.8	15.2	13.9	12.7	11.5	10.2	9.4	8.6
-20°	20.7	19.5	18.2	16.6	15.0	13.8	12.5	11.3	10.1	9.3	8.6
-21.25°	20.5	19.3	17.9	16.3	14.8	13.6	12.3	11.1	10.0	9.2	8.5



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	20.2	19.1	17.6	16.0	14.6	13.4	12.1	11.0	9.9	9.1	8.4
-23.75°	20.0	18.8	17.2	15.7	14.4	13.1	11.9	10.8	9.8	9.0	8.4
-25°	19.7	18.4	16.9	15.3	14.1	12.9	11.7	10.6	9.6	8.9	8.3
-26.25°	19.4	18.1	16.5	15.1	13.9	12.7	11.5	10.4	9.5	8.8	8.3
-27.5°	19.1	17.6	16.1	14.8	13.6	12.4	11.3	10.2	9.4	8.7	8.2
-28.75°	18.7	17.2	15.7	14.5	13.3	12.2	11.1	10.0	9.3	8.6	8.2
-30°	18.3	16.8	15.3	14.2	13.0	11.9	10.8	9.8	9.1	8.5	8.1
-31.25°	17.8	16.4	15.0	13.9	12.8	11.7	10.6	9.7	9.0	8.4	8.1
-32.5°	17.3	15.9	14.7	13.6	12.5	11.4	10.3	9.5	8.9	8.3	8.0
-33.75°	16.8	15.4	14.3	13.2	12.1	11.1	10.0	9.4	8.7	8.3	8.0
-35°	16.3	15.0	13.9	12.9	11.8	10.8	9.9	9.2	8.6	8.2	7.9
-36.25°	15.8	14.6	13.6	12.5	11.5	10.5	9.7	9.0	8.4	8.1	7.9
-37.5°	15.2	14.2	13.2	12.2	11.2	10.2	9.5	8.9	8.3	8.1	7.8
-38.75°	14.8	13.8	12.8	11.8	10.8	9.9	9.3	8.7	8.3	8.0	7.7
-40°	14.4	13.4	12.4	11.4	10.5	9.7	9.1	8.5	8.2	7.9	7.6
-41.25°	13.9	12.9	12.0	11.1	10.1	9.5	8.9	8.4	8.1	7.9	7.5
-42.5°	13.4	12.5	11.6	10.7	9.9	9.3	8.7	8.3	8.0	7.8	7.4
-43.75°	13.0	12.1	11.2	10.3	9.6	9.1	8.5	8.2	8.0	7.7	7.3
-45°	12.5	11.6	10.8	9.9	9.4	8.8	8.4	8.1	7.9	7.6	7.2
-46.25°	12.0	11.2	10.3	9.7	9.1	8.6	8.3	8.0	7.8	7.5	7.1
-47.5°	11.5	10.7	9.9	9.4	8.9	8.4	8.2	7.9	7.7	7.3	6.9
-48.75°	11.0	10.2	9.7	9.2	8.7	8.3	8.1	7.8	7.6	7.2	6.8
-50°	10.5	9.9	9.4	8.9	8.4	8.2	8.0	7.8	7.4	7.0	6.7
-51.25°	10.0	9.6	9.1	8.6	8.3	8.1	7.9	7.6	7.3	6.9	6.5
-52.5°	9.7	9.2	8.8	8.4	8.2	8.0	7.8	7.5	7.1	6.8	6.4
-53.75°	9.4	8.9	8.5	8.3	8.1	7.9	7.6	7.3	7.0	6.6	6.1
-55°	9.0	8.6	8.3	8.1	7.9	7.8	7.5	7.1	6.8	6.4	5.9
-56.25°	8.7	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.6	6.2	5.7
-57.5°	8.4	8.2	8.0	7.9	7.7	7.4	7.1	6.8	6.5	6.0	5.5
-58.75°	8.2	8.1	7.9	7.7	7.5	7.2	6.9	6.6	6.2	5.7	5.2
-60°	8.1	7.9	7.8	7.6	7.3	7.0	6.7	6.4	5.9	5.5	5.0
-61.25°	7.9	7.8	7.6	7.3	7.1	6.8	6.5	6.1	5.7	5.2	4.8
-62.5°	7.8	7.6	7.4	7.1	6.8	6.6	6.2	5.8	5.4	5.0	4.6
-63.75°	7.6	7.4	7.1	6.9	6.6	6.3	5.9	5.5	5.1	4.7	4.4
-65°	7.3	7.1	6.9	6.6	6.3	6.0	5.6	5.2	4.8	4.5	4.2
-66.25°	7.1	6.8	6.6	6.3	6.0	5.6	5.3	4.9	4.6	4.3	4.0
-67.5°	6.8	6.6	6.3	6.0	5.6	5.3	5.0	4.6	4.3	4.1	3.8
-68.75°	6.5	6.2	5.9	5.6	5.3	5.0	4.6	4.4	4.1	3.9	3.6
-70°	6.1	5.8	5.5	5.2	4.9	4.6	4.4	4.1	3.9	3.6	3.4
-71.25°	5.7	5.4	5.1	4.8	4.6	4.3	4.1	3.9	3.7	3.4	3.2
-72.5°	5.2	5.0	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
-73.75°	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-75°	4.4	4.2	4.0	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.6
-76.25°	4.0	3.9	3.7	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3
-77.5°	3.7	3.5	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.3	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2	2.1	1.9
-80°	3.0	2.8	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.7
-81.25°	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.7	1.6	1.5
-82.5°	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.3
-83.75°	1.8	1.7	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0
-85°	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8
-86.25°	1.1	1.0	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7	0.6
-87.5°	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4
-88.75°	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	7.7	7.2	6.7	6.0	5.2	4.5	3.8	3.2	2.6	1.9	1.2
32.5°	7.7	7.3	6.7	6.1	5.3	4.5	3.9	3.3	2.6	1.9	1.3
31.25°	7.8	7.3	6.8	6.2	5.4	4.6	3.9	3.3	2.6	2.0	1.3
30°	7.8	7.4	6.9	6.3	5.5	4.7	4.0	3.3	2.7	2.0	1.3
28.75°	7.9	7.5	7.0	6.4	5.6	4.7	4.0	3.4	2.7	2.0	1.3
27.5°	7.9	7.5	7.0	6.5	5.6	4.8	4.1	3.4	2.7	2.0	1.3
26.25°	8.0	7.6	7.1	6.5	5.7	4.9	4.1	3.5	2.8	2.1	1.3
25°	8.0	7.7	7.1	6.6	5.8	4.9	4.2	3.5	2.8	2.1	1.4
23.75°	8.0	7.7	7.2	6.6	5.9	5.0	4.2	3.5	2.8	2.1	1.4
22.5°	8.1	7.8	7.2	6.7	5.9	5.0	4.3	3.6	2.9	2.1	1.4
21.25°	8.1	7.8	7.3	6.7	6.0	5.1	4.3	3.6	2.9	2.1	1.4
20°	8.1	7.8	7.3	6.8	6.0	5.1	4.3	3.6	2.9	2.2	1.4
18.75°	8.2	7.8	7.4	6.8	6.1	5.2	4.4	3.7	2.9	2.2	1.4
17.5°	8.2	7.9	7.4	6.8	6.1	5.2	4.4	3.7	3.0	2.2	1.4
16.25°	8.2	7.9	7.5	6.9	6.2	5.3	4.4	3.7	3.0	2.2	1.4
15°	8.3	7.9	7.5	6.9	6.2	5.3	4.4	3.7	3.0	2.2	1.4
13.75°	8.3	7.9	7.5	6.9	6.3	5.4	4.5	3.7	3.0	2.2	1.5
12.5°	8.3	8.0	7.6	7.0	6.3	5.4	4.5	3.8	3.0	2.2	1.5
11.25°	8.3	8.0	7.6	7.0	6.4	5.4	4.5	3.8	3.0	2.3	1.5
10°	8.3	8.0	7.6	7.0	6.4	5.4	4.5	3.8	3.1	2.3	1.5
8.75°	8.3	8.0	7.6	7.0	6.4	5.5	4.5	3.8	3.1	2.3	1.5
7.5°	8.4	8.0	7.6	7.1	6.4	5.5	4.6	3.8	3.1	2.3	1.5
6.25°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
5°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
3.75°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
2.5°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
1.25°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
0°	8.4	8.1	7.7	7.1	6.5	5.6	4.6	3.9	3.1	2.3	1.5
-1.25°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
-2.5°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
-3.75°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
-5°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
-6.25°	8.4	8.0	7.7	7.1	6.5	5.5	4.6	3.8	3.1	2.3	1.5
-7.5°	8.4	8.0	7.6	7.1	6.4	5.5	4.6	3.8	3.1	2.3	1.5
-8.75°	8.3	8.0	7.6	7.0	6.4	5.5	4.5	3.8	3.1	2.3	1.5
-10°	8.3	8.0	7.6	7.0	6.4	5.4	4.5	3.8	3.1	2.3	1.5
-11.25°	8.3	8.0	7.6	7.0	6.4	5.4	4.5	3.8	3.0	2.3	1.5
-12.5°	8.3	8.0	7.6	7.0	6.3	5.4	4.5	3.8	3.0	2.2	1.5
-13.75°	8.3	7.9	7.5	6.9	6.3	5.4	4.5	3.7	3.0	2.2	1.5
-15°	8.3	7.9	7.5	6.9	6.2	5.3	4.4	3.7	3.0	2.2	1.4
-16.25°	8.2	7.9	7.5	6.9	6.2	5.3	4.4	3.7	3.0	2.2	1.4
-17.5°	8.2	7.9	7.4	6.8	6.1	5.2	4.4	3.7	3.0	2.2	1.4
-18.75°	8.2	7.8	7.4	6.8	6.1	5.2	4.4	3.7	2.9	2.2	1.4
-20°	8.1	7.8	7.3	6.8	6.0	5.1	4.3	3.6	2.9	2.2	1.4
-21.25°	8.1	7.8	7.3	6.7	6.0	5.1	4.3	3.6	2.9	2.1	1.4



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-80°	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
-81.25°	1.4	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.3	0.2
-82.5°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-83.75°	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.2	0.2
-85°	0.8	0.7	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.1
-86.25°	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.1
-87.5°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-88.75°	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.6	0.0
32.5°	0.6	0.0
31.25°	0.6	0.0
30°	0.6	0.0
28.75°	0.7	0.0
27.5°	0.7	0.0
26.25°	0.7	0.0
25°	0.7	0.0
23.75°	0.7	0.0
22.5°	0.7	0.0
21.25°	0.7	0.0
20°	0.7	0.0
18.75°	0.7	0.0
17.5°	0.7	0.0
16.25°	0.7	0.0
15°	0.7	0.0
13.75°	0.7	0.0
12.5°	0.7	0.0
11.25°	0.7	0.0
10°	0.7	0.0
8.75°	0.7	0.0
7.5°	0.7	0.0
6.25°	0.7	0.0
5°	0.7	0.0
3.75°	0.7	0.0
2.5°	0.7	0.0
1.25°	0.7	0.0
0°	0.7	0.0
-1.25°	0.7	0.0
-2.5°	0.7	0.0
-3.75°	0.7	0.0
-5°	0.7	0.0
-6.25°	0.7	0.0
-7.5°	0.7	0.0
-8.75°	0.7	0.0
-10°	0.7	0.0
-11.25°	0.7	0.0
-12.5°	0.7	0.0
-13.75°	0.7	0.0
-15°	0.7	0.0
-16.25°	0.7	0.0
-17.5°	0.7	0.0
-18.75°	0.7	0.0
-20°	0.7	0.0
-21.25°	0.7	0.0



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220456 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED3097-M-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)