

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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

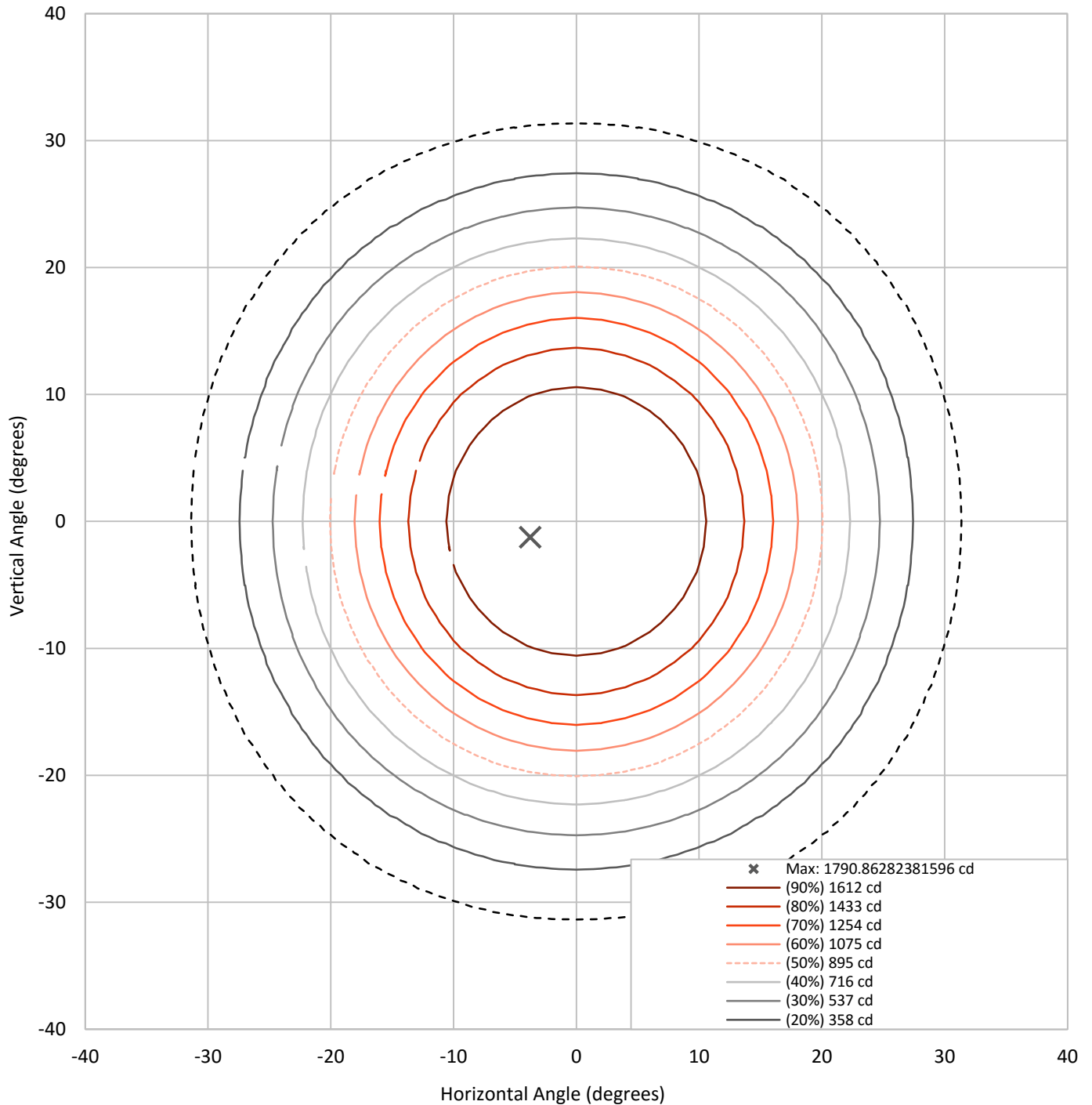
Test Method: LM-79-08
Report Number: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29411)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV
Description: LUMIERE LANTERRA 1002 LED ACCENT/PATH/SIGN LUMINAIRE, RECESSED LENS,
FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	866.3 lumens	Max Intensity:	1790.9 candela
Efficiency:	N/A	Max Intensity Angle:	-3.75°H x -1.25°V
Efficacy:	86.6 lumens/watt		
Luminous Opening:	Circular (Dia: 0.17' x H: 0')		
Beam Angle (50%):	40.1°H x 39.5°V	Field Angle (10%):	62.7°H x 62.3°V
Beam Lumens:	527.9 lumens	Field Lumens:	777 lumens
Beam Efficiency:	60.9%	Field Efficiency:	89.7%
Input Watts (W):	10		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





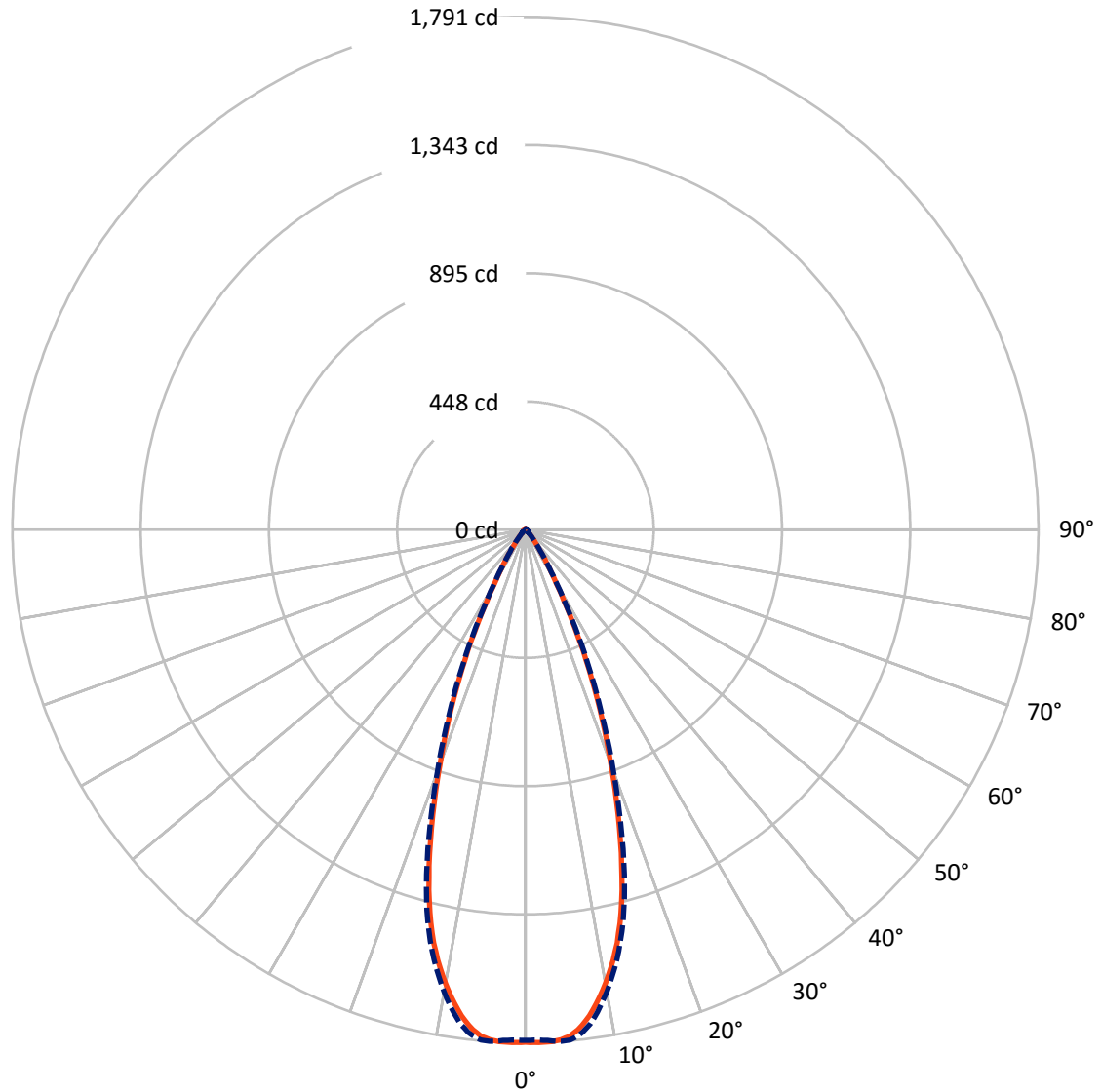
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Lumen Table

90																
80	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0
70																
60	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0
50		0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	
40	0.1	0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	0.1
30		0.1	0.1	0.2	0.4	0.9	2.0	3.0	3.0	2.0	0.9	0.4	0.2	0.1	0.1	
20	0.1	0.1	0.2	0.3	0.8	3.0	8.7	14.8	14.8	8.7	3.0	0.8	0.3	0.2	0.1	0.1
10		0.1	0.2	0.4	1.7	8.2	23.8	37.4	37.4	23.8	8.2	1.7	0.4	0.2	0.1	
0	0.1	0.1	0.2	0.5	2.5	13.6	36.3	51.7	51.7	36.3	13.6	2.5	0.5	0.2	0.1	0.1
-10		0.1	0.2	0.5	2.5	13.6	36.3	51.7	51.7	36.3	13.6	2.5	0.5	0.2	0.1	
-20	0.1	0.1	0.2	0.4	1.7	8.2	23.8	37.4	37.4	23.8	8.2	1.7	0.4	0.2	0.1	0.1
-30		0.1	0.2	0.3	0.8	3.0	8.7	14.8	14.8	8.7	3.0	0.8	0.3	0.2	0.1	
-40	0.1	0.1	0.1	0.2	0.4	0.9	2.0	3.0	3.0	2.0	0.9	0.4	0.2	0.1	0.1	0.1
-50		0.1	0.1	0.2	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.2	0.2	0.1	0.1	
-60	0.0	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0
-70		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	
-80																
-90	0.0	0.1		0.2		0.3		0.4		0.3		0.2		0.1		0.0

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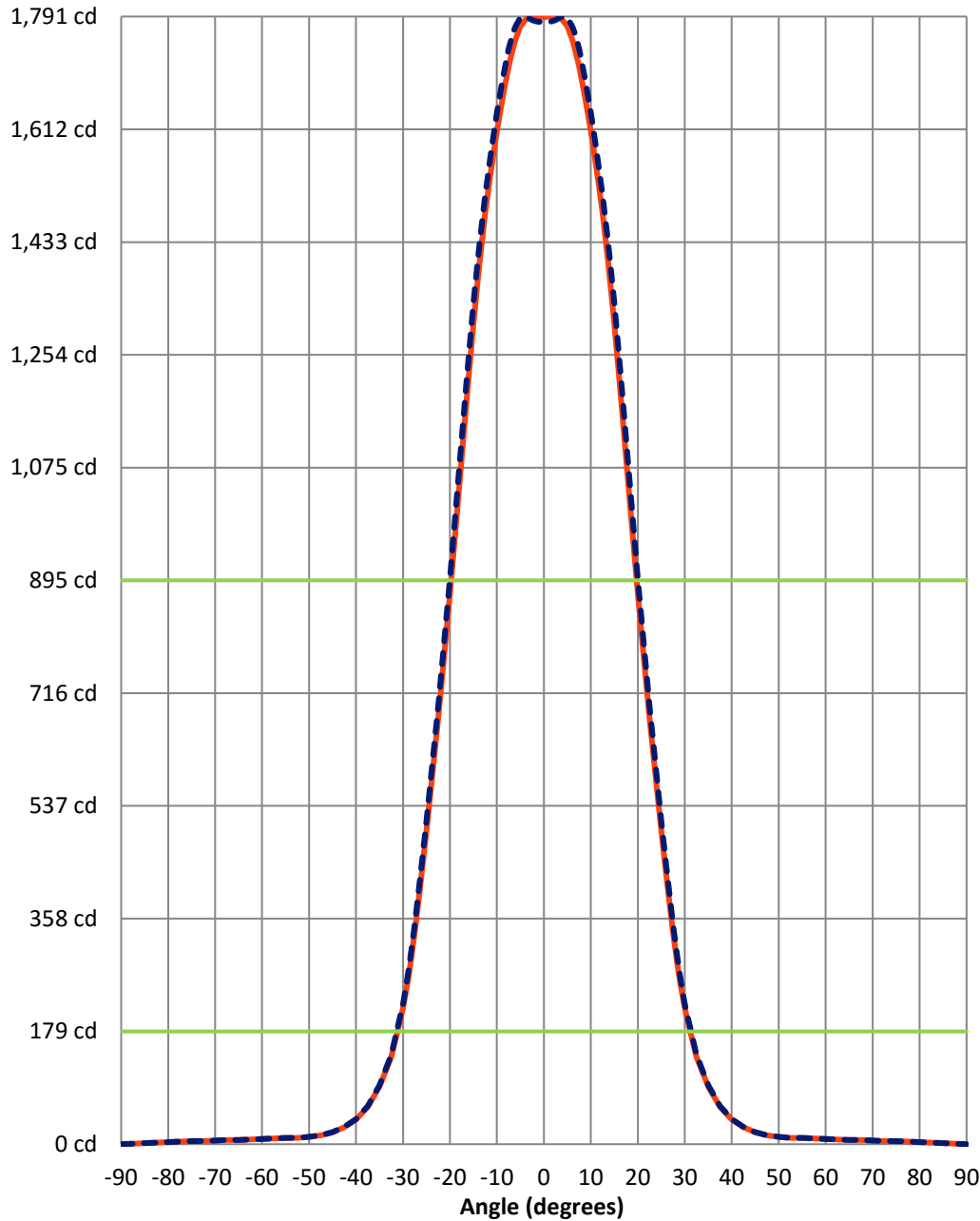
Luminous Intensity Polar Plot



— Vertical Distribution Through -3.75-Deg - - - Horizontal Distribution Through -1.25-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 40.1°
 V Angle: 39.5°
 Lumens: 527.9
 Efficiency: 60.9%

Field:
 H Angle: 62.7°
 V Angle: 62.3°
 Lumens: 777
 Efficiency: 89.7%

Spill:
 Lumens: 89.3
 Efficiency: 10.3%

— Vertical Distribution through -3.75-Deg
 - - Horizontal Distribution through -1.25-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	0.0	0.0	0.1	0.1	0.1	0.1	0.1
87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
86.25°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3
85°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9
76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.2
72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.3
70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.4
68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.5
67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6
66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.3	1.5	1.7
65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9
62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.8	1.9
61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
58.75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.8	2.0	2.2
57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.6	1.8	2.0	2.2
56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.9	2.1	2.3
55°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.2	2.4
53.75°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.5
52.5°	0.0	0.2	0.5	0.7	1.0	1.3	1.5	1.8	2.0	2.3	2.5
51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
50°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
48.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.7
47.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.3	2.5	2.8
46.25°	0.0	0.3	0.6	0.8	1.1	1.5	1.8	2.0	2.3	2.6	2.9
45°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
43.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
42.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.7	3.0
41.25°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
40°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.9	3.2
38.75°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.2
37.5°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.3
36.25°	0.0	0.3	0.6	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
35°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.0	3.4



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.4
32.5°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.5	2.8	3.1	3.5
31.25°	0.0	0.3	0.7	1.1	1.4	1.8	2.2	2.5	2.8	3.2	3.5
30°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.6
28.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
27.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.7
26.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.3	3.7
25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
23.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
22.5°	0.0	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.1	3.4	3.9
21.25°	0.0	0.4	0.7	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9
20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9
18.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	4.0
17.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
16.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
15°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
13.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.1
12.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.4	2.8	3.2	3.7	4.1
11.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.8	3.2	3.7	4.1
10°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
8.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
7.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
6.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
3.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
2.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
1.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
0°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.8	4.2
-1.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-2.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-3.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-6.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-7.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.2
-8.75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-10°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-11.25°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.8	3.2	3.7	4.1
-12.5°	0.0	0.4	0.8	1.2	1.7	2.1	2.4	2.8	3.2	3.7	4.1
-13.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.1
-15°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-16.25°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-17.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-18.75°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	4.0
-20°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.7	3.1	3.5	3.9
-21.25°	0.0	0.4	0.7	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9



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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	0.4	0.7	1.1	1.6	1.9	2.3	2.7	3.1	3.4	3.9
-23.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.4	3.8
-26.25°	0.0	0.4	0.7	1.1	1.5	1.9	2.3	2.6	3.0	3.3	3.7
-27.5°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.7
-28.75°	0.0	0.4	0.7	1.1	1.5	1.9	2.2	2.6	2.9	3.3	3.6
-30°	0.0	0.3	0.7	1.1	1.5	1.8	2.2	2.5	2.9	3.2	3.6
-31.25°	0.0	0.3	0.7	1.1	1.4	1.8	2.2	2.5	2.8	3.2	3.5
-32.5°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.5	2.8	3.1	3.5
-33.75°	0.0	0.3	0.7	1.0	1.4	1.8	2.1	2.4	2.8	3.1	3.4
-35°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.0	3.4
-36.25°	0.0	0.3	0.6	1.0	1.4	1.7	2.0	2.4	2.7	3.0	3.3
-37.5°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.3
-38.75°	0.0	0.3	0.6	1.0	1.3	1.7	2.0	2.3	2.6	2.9	3.2
-40°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.9	3.2
-41.25°	0.0	0.3	0.6	0.9	1.3	1.6	1.9	2.2	2.5	2.8	3.1
-42.5°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.7	3.0
-43.75°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0
-45°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.6	2.9
-46.25°	0.0	0.3	0.6	0.8	1.1	1.5	1.8	2.0	2.3	2.6	2.9
-47.5°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-48.75°	0.0	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.7
-50°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.2	2.4	2.7
-51.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.6
-52.5°	0.0	0.2	0.5	0.7	1.0	1.3	1.5	1.8	2.0	2.3	2.5
-53.75°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.8	2.0	2.2	2.5
-55°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.7	1.9	2.2	2.4
-56.25°	0.0	0.2	0.4	0.7	0.9	1.1	1.4	1.6	1.9	2.1	2.3
-57.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.6	1.8	2.0	2.2
-58.75°	0.0	0.2	0.4	0.6	0.8	1.1	1.3	1.5	1.8	2.0	2.2
-60°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-61.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
-62.5°	0.0	0.2	0.4	0.6	0.7	0.9	1.1	1.4	1.6	1.8	1.9
-63.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9
-65°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.8
-66.25°	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.3	1.5	1.7
-67.5°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6
-68.75°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.2	1.4	1.5
-70°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	1.0	1.1	1.3	1.4
-71.25°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.1	1.2	1.3
-72.5°	0.0	0.1	0.2	0.4	0.5	0.6	0.7	0.8	1.0	1.1	1.2
-73.75°	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.8	0.9	1.0	1.2
-75°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.1
-76.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-77.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.9



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8
-80°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-81.25°	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.4	0.5	0.5	0.6
-82.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.5	0.5
-83.75°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-85°	0.0	0.0	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	0.1	0.1	0.2	0.2	0.2	0.2	0.3
-87.5°	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
-88.75°	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3
80°	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
78.75°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
77.5°	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9
76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
71.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
70°	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
68.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1
67.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1	3.2
66.25°	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4
65°	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.2	3.4	3.6
63.75°	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8
62.5°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8	3.9
61.25°	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.5	3.7	3.9	4.1
60°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
58.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.4
57.5°	2.4	2.7	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.4	4.6
56.25°	2.5	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8
55°	2.6	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9
53.75°	2.7	2.9	3.1	3.4	3.6	3.9	4.2	4.4	4.6	4.8	5.0
52.5°	2.8	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.0
51.25°	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.6	4.9	5.0	5.0
50°	2.9	3.2	3.4	3.7	4.0	4.3	4.5	4.8	5.0	5.0	5.0
48.75°	3.0	3.2	3.5	3.8	4.1	4.4	4.6	4.9	5.0	5.0	5.0
47.5°	3.1	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.0	5.0	5.0
46.25°	3.1	3.4	3.7	4.0	4.3	4.6	4.8	5.0	5.0	5.0	5.1
45°	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.2
43.75°	3.3	3.6	3.9	4.2	4.5	4.8	5.0	5.0	5.0	5.1	5.4
42.5°	3.3	3.7	4.0	4.3	4.6	4.9	5.0	5.0	5.0	5.2	5.5
41.25°	3.4	3.7	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.3	5.6
40°	3.5	3.8	4.2	4.5	4.8	5.0	5.0	5.0	5.2	5.4	5.7
38.75°	3.5	3.9	4.2	4.5	4.8	5.0	5.0	5.0	5.3	5.6	5.9
37.5°	3.6	4.0	4.3	4.6	4.9	5.0	5.0	5.1	5.4	5.7	6.0
36.25°	3.7	4.0	4.4	4.7	5.0	5.0	5.0	5.2	5.5	5.8	6.1
35°	3.7	4.1	4.4	4.8	5.0	5.0	5.0	5.2	5.6	5.9	6.2



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	3.8	4.2	4.5	4.8	5.0	5.0	5.0	5.3	5.7	6.0	6.4
32.5°	3.9	4.2	4.6	4.9	5.0	5.0	5.1	5.4	5.8	6.1	6.5
31.25°	3.9	4.3	4.6	5.0	5.0	5.0	5.2	5.5	5.9	6.2	6.6
30°	4.0	4.3	4.7	5.0	5.0	5.0	5.3	5.6	5.9	6.3	6.7
28.75°	4.0	4.4	4.7	5.0	5.0	5.0	5.3	5.7	6.0	6.4	6.7
27.5°	4.1	4.4	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.5	6.7
26.25°	4.1	4.5	4.9	5.0	5.0	5.1	5.5	5.8	6.2	6.6	6.7
25°	4.2	4.5	4.9	5.0	5.0	5.2	5.5	5.9	6.3	6.7	6.7
23.75°	4.2	4.6	4.9	5.0	5.0	5.2	5.6	6.0	6.4	6.7	6.7
22.5°	4.3	4.6	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7
21.25°	4.3	4.7	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7
20°	4.3	4.7	5.0	5.0	5.0	5.4	5.8	6.2	6.6	6.7	6.7
18.75°	4.4	4.7	5.0	5.0	5.1	5.4	5.8	6.2	6.7	6.7	6.7
17.5°	4.4	4.8	5.0	5.0	5.1	5.5	5.9	6.3	6.7	6.7	6.7
16.25°	4.4	4.8	5.0	5.0	5.2	5.5	5.9	6.4	6.7	6.7	6.7
15°	4.4	4.8	5.0	5.0	5.2	5.6	6.0	6.4	6.7	6.7	6.8
13.75°	4.5	4.9	5.0	5.0	5.2	5.6	6.0	6.5	6.7	6.7	6.8
12.5°	4.5	4.9	5.0	5.0	5.3	5.6	6.1	6.5	6.7	6.7	6.9
11.25°	4.5	4.9	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7	6.9
10°	4.5	4.9	5.0	5.0	5.3	5.7	6.1	6.6	6.7	6.7	7.0
8.75°	4.5	4.9	5.0	5.0	5.3	5.7	6.2	6.6	6.7	6.7	7.0
7.5°	4.6	5.0	5.0	5.0	5.3	5.7	6.2	6.6	6.7	6.7	7.0
6.25°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.6	6.7	6.7	7.0
5°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
3.75°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
2.5°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
1.25°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
0°	4.6	5.0	5.0	5.0	5.4	5.8	6.3	6.7	6.7	6.7	7.1
-1.25°	4.6	5.0	5.0	5.0	5.4	5.8	6.3	6.7	6.7	6.7	7.1
-2.5°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
-3.75°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
-5°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.7	6.7	6.7	7.1
-6.25°	4.6	5.0	5.0	5.0	5.4	5.8	6.2	6.6	6.7	6.7	7.0
-7.5°	4.6	5.0	5.0	5.0	5.3	5.7	6.2	6.6	6.7	6.7	7.0
-8.75°	4.5	4.9	5.0	5.0	5.3	5.7	6.2	6.6	6.7	6.7	7.0
-10°	4.5	4.9	5.0	5.0	5.3	5.7	6.1	6.6	6.7	6.7	7.0
-11.25°	4.5	4.9	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7	6.9
-12.5°	4.5	4.9	5.0	5.0	5.3	5.6	6.1	6.5	6.7	6.7	6.9
-13.75°	4.5	4.9	5.0	5.0	5.2	5.6	6.0	6.5	6.7	6.7	6.8
-15°	4.4	4.8	5.0	5.0	5.2	5.6	6.0	6.4	6.7	6.7	6.8
-16.25°	4.4	4.8	5.0	5.0	5.2	5.5	5.9	6.4	6.7	6.7	6.7
-17.5°	4.4	4.8	5.0	5.0	5.1	5.5	5.9	6.3	6.7	6.7	6.7
-18.75°	4.4	4.7	5.0	5.0	5.1	5.4	5.8	6.2	6.7	6.7	6.7
-20°	4.3	4.7	5.0	5.0	5.0	5.4	5.8	6.2	6.6	6.7	6.7
-21.25°	4.3	4.7	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	4.3	4.6	5.0	5.0	5.0	5.3	5.7	6.1	6.5	6.7	6.7
-23.75°	4.2	4.6	4.9	5.0	5.0	5.2	5.6	6.0	6.4	6.7	6.7
-25°	4.2	4.5	4.9	5.0	5.0	5.2	5.5	5.9	6.3	6.7	6.7
-26.25°	4.1	4.5	4.9	5.0	5.0	5.1	5.5	5.8	6.2	6.6	6.7
-27.5°	4.1	4.4	4.8	5.0	5.0	5.1	5.4	5.7	6.1	6.5	6.7
-28.75°	4.0	4.4	4.7	5.0	5.0	5.0	5.3	5.7	6.0	6.4	6.7
-30°	4.0	4.3	4.7	5.0	5.0	5.0	5.3	5.6	5.9	6.3	6.7
-31.25°	3.9	4.3	4.6	5.0	5.0	5.0	5.2	5.5	5.9	6.2	6.6
-32.5°	3.9	4.2	4.6	4.9	5.0	5.0	5.1	5.4	5.8	6.1	6.5
-33.75°	3.8	4.2	4.5	4.8	5.0	5.0	5.0	5.3	5.7	6.0	6.4
-35°	3.7	4.1	4.4	4.8	5.0	5.0	5.0	5.2	5.6	5.9	6.2
-36.25°	3.7	4.0	4.4	4.7	5.0	5.0	5.0	5.2	5.5	5.8	6.1
-37.5°	3.6	4.0	4.3	4.6	4.9	5.0	5.0	5.1	5.4	5.7	6.0
-38.75°	3.5	3.9	4.2	4.5	4.8	5.0	5.0	5.0	5.3	5.6	5.9
-40°	3.5	3.8	4.2	4.5	4.8	5.0	5.0	5.0	5.2	5.4	5.7
-41.25°	3.4	3.7	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.3	5.6
-42.5°	3.3	3.7	4.0	4.3	4.6	4.9	5.0	5.0	5.0	5.2	5.5
-43.75°	3.3	3.6	3.9	4.2	4.5	4.8	5.0	5.0	5.0	5.1	5.4
-45°	3.2	3.5	3.8	4.1	4.4	4.7	5.0	5.0	5.0	5.0	5.2
-46.25°	3.1	3.4	3.7	4.0	4.3	4.6	4.8	5.0	5.0	5.0	5.1
-47.5°	3.1	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.0	5.0	5.0
-48.75°	3.0	3.2	3.5	3.8	4.1	4.4	4.6	4.9	5.0	5.0	5.0
-50°	2.9	3.2	3.4	3.7	4.0	4.3	4.5	4.8	5.0	5.0	5.0
-51.25°	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.6	4.9	5.0	5.0
-52.5°	2.8	3.0	3.2	3.5	3.8	4.0	4.3	4.5	4.7	5.0	5.0
-53.75°	2.7	2.9	3.1	3.4	3.6	3.9	4.2	4.4	4.6	4.8	5.0
-55°	2.6	2.8	3.1	3.3	3.5	3.8	4.0	4.3	4.5	4.7	4.9
-56.25°	2.5	2.7	3.0	3.2	3.4	3.6	3.9	4.1	4.3	4.5	4.8
-57.5°	2.4	2.7	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.4	4.6
-58.75°	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.3	4.4
-60°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3
-61.25°	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.5	3.7	3.9	4.1
-62.5°	2.1	2.3	2.5	2.7	2.8	3.0	3.2	3.4	3.6	3.8	3.9
-63.75°	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.8
-65°	1.9	2.1	2.3	2.4	2.6	2.8	2.9	3.1	3.2	3.4	3.6
-66.25°	1.9	2.0	2.2	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4
-67.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1	3.2
-68.75°	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.7	2.8	2.9	3.1
-70°	1.6	1.7	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9
-71.25°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.7
-72.5°	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-73.75°	1.3	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-75°	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2
-76.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	2.0
-77.5°	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9



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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°	0.9	0.9	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7
-80°	0.8	0.8	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5
-81.25°	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3
-82.5°	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1
-83.75°	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9
-85°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-86.25°	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
-87.5°	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.4
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1
83.75°	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3
82.5°	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
81.25°	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	1.9
80°	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2
78.75°	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4
77.5°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7
76.25°	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9
75°	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2
73.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4
72.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
71.25°	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0
70°	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3
68.75°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.5
67.5°	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.8
66.25°	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
65°	3.8	3.9	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.0	5.0
63.75°	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.0	5.0	5.0	5.0
62.5°	4.1	4.3	4.5	4.6	4.8	5.0	5.0	5.0	5.0	5.0	5.0
61.25°	4.3	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.2
60°	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.4
58.75°	4.6	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.6
57.5°	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.7	5.9
56.25°	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.5	5.7	5.9	6.1
55°	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4
53.75°	5.0	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6
52.5°	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.7	6.7
51.25°	5.0	5.0	5.2	5.5	5.7	5.9	6.2	6.4	6.7	6.7	6.7
50°	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.7	6.7	6.7
48.75°	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.7	6.7	6.7	6.7
47.5°	5.2	5.5	5.7	6.0	6.3	6.5	6.7	6.7	6.7	6.7	6.9
46.25°	5.4	5.6	5.9	6.2	6.5	6.7	6.7	6.7	6.7	6.9	7.1
45°	5.5	5.8	6.1	6.3	6.6	6.7	6.7	6.7	6.9	7.1	7.4
43.75°	5.6	5.9	6.2	6.5	6.7	6.7	6.7	6.8	7.0	7.3	7.6
42.5°	5.8	6.1	6.4	6.7	6.7	6.7	6.7	7.0	7.2	7.5	7.8
41.25°	5.9	6.2	6.5	6.7	6.7	6.7	6.9	7.1	7.4	7.7	7.9
40°	6.1	6.4	6.7	6.7	6.7	6.8	7.0	7.3	7.6	7.9	8.1
38.75°	6.2	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.3
37.5°	6.3	6.7	6.7	6.7	6.8	7.1	7.4	7.7	7.9	8.2	8.5
36.25°	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.4	8.7
35°	6.6	6.7	6.7	6.7	7.1	7.4	7.7	8.0	8.3	8.6	8.9



REPORT NUMBER: P220328 (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°	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.4	8.8	9.1
32.5°	6.7	6.7	6.7	7.0	7.3	7.6	8.0	8.3	8.6	9.0	9.3
31.25°	6.7	6.7	6.8	7.1	7.5	7.8	8.1	8.4	8.8	9.1	9.5
30°	6.7	6.7	6.9	7.2	7.6	7.9	8.2	8.6	9.0	9.3	9.6
28.75°	6.7	6.7	7.0	7.4	7.7	8.0	8.4	8.7	9.1	9.5	9.8
27.5°	6.7	6.8	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.6	9.9
26.25°	6.7	6.9	7.2	7.6	7.9	8.3	8.6	9.0	9.4	9.7	10.0
25°	6.7	7.0	7.3	7.7	8.0	8.4	8.8	9.2	9.5	9.9	10.0
23.75°	6.7	7.1	7.4	7.8	8.1	8.5	8.9	9.3	9.6	10.0	10.0
22.5°	6.8	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.8	10.0	10.0
21.25°	6.9	7.2	7.6	8.0	8.3	8.7	9.1	9.5	9.9	10.0	10.0
20°	6.9	7.3	7.7	8.0	8.4	8.8	9.2	9.6	10.0	10.0	10.0
18.75°	7.0	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.0	10.0
17.5°	7.1	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.0	10.0	10.2
16.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.0	10.0	10.4
15°	7.2	7.6	7.9	8.3	8.8	9.2	9.6	9.9	10.0	10.0	10.6
13.75°	7.2	7.6	8.0	8.4	8.8	9.3	9.6	10.0	10.0	10.0	10.8
12.5°	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.0	10.1	10.9
11.25°	7.3	7.7	8.1	8.5	8.9	9.4	9.8	10.0	10.0	10.3	11.1
10°	7.4	7.7	8.1	8.6	9.0	9.4	9.8	10.0	10.0	10.4	11.2
8.75°	7.4	7.8	8.2	8.6	9.0	9.5	9.9	10.0	10.0	10.5	11.3
7.5°	7.4	7.8	8.2	8.6	9.1	9.5	9.9	10.0	10.0	10.6	11.4
6.25°	7.4	7.8	8.2	8.7	9.1	9.5	9.9	10.0	10.0	10.7	11.5
5°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.7	11.6
3.75°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.6
2.5°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.7
1.25°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.7
0°	7.5	7.9	8.3	8.8	9.2	9.6	10.0	10.0	10.0	10.9	11.7
-1.25°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.7
-2.5°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.7
-3.75°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.8	11.6
-5°	7.5	7.9	8.3	8.7	9.2	9.6	10.0	10.0	10.0	10.7	11.6
-6.25°	7.4	7.8	8.2	8.7	9.1	9.5	9.9	10.0	10.0	10.7	11.5
-7.5°	7.4	7.8	8.2	8.6	9.1	9.5	9.9	10.0	10.0	10.6	11.4
-8.75°	7.4	7.8	8.2	8.6	9.0	9.5	9.9	10.0	10.0	10.5	11.3
-10°	7.4	7.7	8.1	8.6	9.0	9.4	9.8	10.0	10.0	10.4	11.2
-11.25°	7.3	7.7	8.1	8.5	8.9	9.4	9.8	10.0	10.0	10.3	11.1
-12.5°	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.0	10.1	10.9
-13.75°	7.2	7.6	8.0	8.4	8.8	9.3	9.6	10.0	10.0	10.0	10.8
-15°	7.2	7.6	7.9	8.3	8.8	9.2	9.6	9.9	10.0	10.0	10.6
-16.25°	7.1	7.5	7.9	8.3	8.7	9.1	9.5	9.9	10.0	10.0	10.4
-17.5°	7.1	7.4	7.8	8.2	8.6	9.0	9.4	9.8	10.0	10.0	10.2
-18.75°	7.0	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.0	10.0	10.0
-20°	6.9	7.3	7.7	8.0	8.4	8.8	9.2	9.6	10.0	10.0	10.0
-21.25°	6.9	7.2	7.6	8.0	8.3	8.7	9.1	9.5	9.9	10.0	10.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	6.8	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.8	10.0	10.0
-23.75°	6.7	7.1	7.4	7.8	8.1	8.5	8.9	9.3	9.6	10.0	10.0
-25°	6.7	7.0	7.3	7.7	8.0	8.4	8.8	9.2	9.5	9.9	10.0
-26.25°	6.7	6.9	7.2	7.6	7.9	8.3	8.6	9.0	9.4	9.7	10.0
-27.5°	6.7	6.8	7.1	7.5	7.8	8.1	8.5	8.9	9.3	9.6	9.9
-28.75°	6.7	6.7	7.0	7.4	7.7	8.0	8.4	8.7	9.1	9.5	9.8
-30°	6.7	6.7	6.9	7.2	7.6	7.9	8.2	8.6	9.0	9.3	9.6
-31.25°	6.7	6.7	6.8	7.1	7.5	7.8	8.1	8.4	8.8	9.1	9.5
-32.5°	6.7	6.7	6.7	7.0	7.3	7.6	8.0	8.3	8.6	9.0	9.3
-33.75°	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.4	8.8	9.1
-35°	6.6	6.7	6.7	6.7	7.1	7.4	7.7	8.0	8.3	8.6	8.9
-36.25°	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.4	8.7
-37.5°	6.3	6.7	6.7	6.7	6.8	7.1	7.4	7.7	7.9	8.2	8.5
-38.75°	6.2	6.5	6.7	6.7	6.7	6.9	7.2	7.5	7.8	8.1	8.3
-40°	6.1	6.4	6.7	6.7	6.7	6.8	7.0	7.3	7.6	7.9	8.1
-41.25°	5.9	6.2	6.5	6.7	6.7	6.7	6.9	7.1	7.4	7.7	7.9
-42.5°	5.8	6.1	6.4	6.7	6.7	6.7	6.7	7.0	7.2	7.5	7.8
-43.75°	5.6	5.9	6.2	6.5	6.7	6.7	6.7	6.8	7.0	7.3	7.6
-45°	5.5	5.8	6.1	6.3	6.6	6.7	6.7	6.7	6.9	7.1	7.4
-46.25°	5.4	5.6	5.9	6.2	6.5	6.7	6.7	6.7	6.7	6.9	7.1
-47.5°	5.2	5.5	5.7	6.0	6.3	6.5	6.7	6.7	6.7	6.7	6.9
-48.75°	5.1	5.3	5.6	5.8	6.1	6.3	6.6	6.7	6.7	6.7	6.7
-50°	5.0	5.2	5.4	5.6	5.9	6.1	6.4	6.6	6.7	6.7	6.7
-51.25°	5.0	5.0	5.2	5.5	5.7	5.9	6.2	6.4	6.7	6.7	6.7
-52.5°	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.7	6.7
-53.75°	5.0	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4	6.6
-55°	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.7	6.0	6.2	6.4
-56.25°	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.5	5.7	5.9	6.1
-57.5°	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.7	5.9
-58.75°	4.6	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.3	5.5	5.6
-60°	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.1	5.2	5.4
-61.25°	4.3	4.5	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.2
-62.5°	4.1	4.3	4.5	4.6	4.8	5.0	5.0	5.0	5.0	5.0	5.0
-63.75°	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.0	5.0	5.0	5.0
-65°	3.8	3.9	4.1	4.3	4.4	4.5	4.7	4.8	5.0	5.0	5.0
-66.25°	3.6	3.7	3.9	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0
-67.5°	3.4	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.6	4.8
-68.75°	3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.5
-70°	3.0	3.1	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3
-71.25°	2.8	2.9	3.1	3.2	3.3	3.4	3.5	3.6	3.8	3.9	4.0
-72.5°	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7
-73.75°	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4
-75°	2.3	2.4	2.5	2.6	2.7	2.7	2.8	2.9	3.0	3.1	3.2
-76.25°	2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9
-77.5°	1.9	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	1.8	1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4
-80°	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2
-81.25°	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.8	1.9
-82.5°	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6
-83.75°	0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3
-85°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	1.0	1.0	1.0	1.1
-86.25°	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8
-87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
85°	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
81.25°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4
80°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7
78.75°	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	2.9	3.0
77.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3
76.25°	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7
75°	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0
73.75°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4
72.5°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7
71.25°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0
70°	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.0	5.0	5.0
68.75°	4.6	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
67.5°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2
66.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.4	5.5
65°	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.6	5.7	5.8
63.75°	5.0	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.9	6.0	6.1
62.5°	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5
61.25°	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.7	6.7
60°	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.7	6.7	6.7	6.7
58.75°	5.8	6.0	6.2	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7
57.5°	6.1	6.3	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.8	6.9
56.25°	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.1	7.2
55°	6.6	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.5
53.75°	6.7	6.7	6.7	6.7	6.8	7.0	7.1	7.3	7.5	7.7	7.8
52.5°	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.6	7.8	7.9	8.1
51.25°	6.7	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.2	8.4
50°	6.7	6.9	7.1	7.4	7.6	7.8	7.9	8.1	8.3	8.5	8.7
48.75°	6.9	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.9	9.1
47.5°	7.2	7.4	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.2	9.4
46.25°	7.4	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6
45°	7.6	7.8	8.1	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.9
43.75°	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.6	9.8	10.0	10.0
42.5°	8.0	8.3	8.5	8.8	9.1	9.3	9.6	9.8	10.0	10.0	10.0
41.25°	8.2	8.5	8.8	9.1	9.3	9.6	9.8	10.0	10.0	10.0	10.0
40°	8.4	8.7	9.0	9.3	9.6	9.8	10.0	10.0	10.0	10.0	10.4
38.75°	8.6	8.9	9.2	9.5	9.8	10.0	10.0	10.0	10.0	10.5	11.0
37.5°	8.9	9.2	9.4	9.7	10.0	10.0	10.0	10.0	10.5	11.0	11.5
36.25°	9.1	9.4	9.6	9.9	10.0	10.0	10.0	10.4	11.0	11.5	12.3
35°	9.3	9.6	9.8	10.0	10.0	10.0	10.4	10.9	11.5	12.2	13.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	9.4	9.7	10.0	10.0	10.0	10.2	10.8	11.4	12.1	13.0	13.8
32.5°	9.6	9.9	10.0	10.0	10.0	10.6	11.3	11.9	12.8	13.7	14.9
31.25°	9.8	10.0	10.0	10.0	10.4	11.1	11.7	12.6	13.5	14.6	16.4
30°	9.9	10.0	10.0	10.2	10.8	11.5	12.3	13.3	14.2	16.0	17.8
28.75°	10.0	10.0	10.0	10.6	11.2	12.0	12.9	13.9	15.5	17.3	19.2
27.5°	10.0	10.0	10.2	10.9	11.6	12.5	13.5	14.8	16.7	18.7	21.4
26.25°	10.0	10.0	10.6	11.3	12.1	13.1	14.1	16.0	18.0	20.4	23.6
25°	10.0	10.2	10.9	11.6	12.6	13.6	15.1	17.1	19.2	22.4	25.7
23.75°	10.0	10.5	11.2	12.0	13.1	14.1	16.2	18.2	21.0	24.4	27.9
22.5°	10.0	10.8	11.5	12.5	13.6	15.1	17.2	19.4	22.8	26.3	30.8
21.25°	10.3	11.0	11.8	12.9	14.0	16.0	18.2	21.1	24.6	28.4	33.7
20°	10.5	11.3	12.2	13.3	14.7	16.9	19.1	22.7	26.3	31.0	36.4
18.75°	10.8	11.5	12.6	13.7	15.5	17.8	20.5	24.2	28.0	33.5	38.9
17.5°	11.0	11.8	13.0	14.1	16.3	18.6	21.9	25.6	30.3	35.8	42.3
16.25°	11.2	12.1	13.3	14.7	17.0	19.4	23.2	27.0	32.4	38.1	46.1
15°	11.4	12.4	13.6	15.4	17.7	20.6	24.4	28.6	34.4	40.2	49.7
13.75°	11.6	12.7	13.9	16.0	18.3	21.6	25.5	30.4	36.2	43.4	53.0
12.5°	11.8	13.0	14.2	16.5	18.9	22.6	26.6	32.0	37.9	46.4	56.1
11.25°	12.0	13.2	14.6	17.0	19.6	23.6	27.5	33.5	39.5	49.1	58.9
10°	12.2	13.4	15.0	17.5	20.4	24.4	28.8	34.9	41.5	51.5	61.9
8.75°	12.4	13.6	15.4	17.9	21.1	25.1	30.0	36.1	43.5	53.6	65.5
7.5°	12.5	13.8	15.8	18.2	21.7	25.7	31.0	37.1	45.4	55.5	68.6
6.25°	12.7	13.9	16.0	18.5	22.2	26.3	31.8	38.0	46.9	57.1	71.3
5°	12.8	14.0	16.3	18.8	22.6	26.7	32.5	38.7	48.1	58.4	73.5
3.75°	12.8	14.1	16.5	19.0	22.9	27.1	33.1	39.3	49.1	59.5	75.2
2.5°	12.9	14.2	16.6	19.1	23.2	27.3	33.4	39.7	49.8	60.2	76.5
1.25°	12.9	14.2	16.7	19.2	23.3	27.5	33.7	39.9	50.3	60.7	77.2
0°	13.0	14.2	16.7	19.2	23.4	27.5	33.8	40.0	50.4	60.8	77.5
-1.25°	12.9	14.2	16.7	19.2	23.3	27.5	33.7	39.9	50.3	60.7	77.2
-2.5°	12.9	14.2	16.6	19.1	23.2	27.3	33.4	39.7	49.8	60.2	76.5
-3.75°	12.8	14.1	16.5	19.0	22.9	27.1	33.1	39.3	49.1	59.5	75.2
-5°	12.8	14.0	16.3	18.8	22.6	26.7	32.5	38.7	48.1	58.4	73.5
-6.25°	12.7	13.9	16.0	18.5	22.2	26.3	31.8	38.0	46.9	57.1	71.3
-7.5°	12.5	13.8	15.8	18.2	21.7	25.7	31.0	37.1	45.4	55.5	68.6
-8.75°	12.4	13.6	15.4	17.9	21.1	25.1	30.0	36.1	43.5	53.6	65.5
-10°	12.2	13.4	15.0	17.5	20.4	24.4	28.8	34.9	41.5	51.5	61.9
-11.25°	12.0	13.2	14.6	17.0	19.6	23.6	27.5	33.5	39.5	49.1	58.9
-12.5°	11.8	13.0	14.2	16.5	18.9	22.6	26.6	32.0	37.9	46.4	56.1
-13.75°	11.6	12.7	13.9	16.0	18.3	21.6	25.5	30.4	36.2	43.4	53.0
-15°	11.4	12.4	13.6	15.4	17.7	20.6	24.4	28.6	34.4	40.2	49.7
-16.25°	11.2	12.1	13.3	14.7	17.0	19.4	23.2	27.0	32.4	38.1	46.1
-17.5°	11.0	11.8	13.0	14.1	16.3	18.6	21.9	25.6	30.3	35.8	42.3
-18.75°	10.8	11.5	12.6	13.7	15.5	17.8	20.5	24.2	28.0	33.5	38.9
-20°	10.5	11.3	12.2	13.3	14.7	16.9	19.1	22.7	26.3	31.0	36.4
-21.25°	10.3	11.0	11.8	12.9	14.0	16.0	18.2	21.1	24.6	28.4	33.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	10.0	10.8	11.5	12.5	13.6	15.1	17.2	19.4	22.8	26.3	30.8
-23.75°	10.0	10.5	11.2	12.0	13.1	14.1	16.2	18.2	21.0	24.4	27.9
-25°	10.0	10.2	10.9	11.6	12.6	13.6	15.1	17.1	19.2	22.4	25.7
-26.25°	10.0	10.0	10.6	11.3	12.1	13.1	14.1	16.0	18.0	20.4	23.6
-27.5°	10.0	10.0	10.2	10.9	11.6	12.5	13.5	14.8	16.7	18.7	21.4
-28.75°	10.0	10.0	10.0	10.6	11.2	12.0	12.9	13.9	15.5	17.3	19.2
-30°	9.9	10.0	10.0	10.2	10.8	11.5	12.3	13.3	14.2	16.0	17.8
-31.25°	9.8	10.0	10.0	10.0	10.4	11.1	11.7	12.6	13.5	14.6	16.4
-32.5°	9.6	9.9	10.0	10.0	10.0	10.6	11.3	11.9	12.8	13.7	14.9
-33.75°	9.4	9.7	10.0	10.0	10.0	10.2	10.8	11.4	12.1	13.0	13.8
-35°	9.3	9.6	9.8	10.0	10.0	10.0	10.4	10.9	11.5	12.2	13.0
-36.25°	9.1	9.4	9.6	9.9	10.0	10.0	10.0	10.4	11.0	11.5	12.3
-37.5°	8.9	9.2	9.4	9.7	10.0	10.0	10.0	10.0	10.5	11.0	11.5
-38.75°	8.6	8.9	9.2	9.5	9.8	10.0	10.0	10.0	10.0	10.5	11.0
-40°	8.4	8.7	9.0	9.3	9.6	9.8	10.0	10.0	10.0	10.0	10.4
-41.25°	8.2	8.5	8.8	9.1	9.3	9.6	9.8	10.0	10.0	10.0	10.0
-42.5°	8.0	8.3	8.5	8.8	9.1	9.3	9.6	9.8	10.0	10.0	10.0
-43.75°	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.6	9.8	10.0	10.0
-45°	7.6	7.8	8.1	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.9
-46.25°	7.4	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.2	9.4	9.6
-47.5°	7.2	7.4	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.2	9.4
-48.75°	6.9	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.9	9.1
-50°	6.7	6.9	7.1	7.4	7.6	7.8	7.9	8.1	8.3	8.5	8.7
-51.25°	6.7	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.2	8.4
-52.5°	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.6	7.8	7.9	8.1
-53.75°	6.7	6.7	6.7	6.7	6.8	7.0	7.1	7.3	7.5	7.7	7.8
-55°	6.6	6.7	6.7	6.7	6.7	6.7	6.9	7.0	7.2	7.4	7.5
-56.25°	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.1	7.2
-57.5°	6.1	6.3	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.8	6.9
-58.75°	5.8	6.0	6.2	6.3	6.5	6.7	6.7	6.7	6.7	6.7	6.7
-60°	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.7	6.7	6.7	6.7
-61.25°	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.4	6.5	6.7	6.7
-62.5°	5.1	5.2	5.4	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5
-63.75°	5.0	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.9	6.0	6.1
-65°	5.0	5.0	5.0	5.0	5.1	5.2	5.3	5.4	5.6	5.7	5.8
-66.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.2	5.3	5.4	5.5
-67.5°	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.2
-68.75°	4.6	4.7	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-70°	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.0	5.0	5.0	5.0
-71.25°	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0
-72.5°	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7
-73.75°	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4
-75°	3.2	3.3	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0
-76.25°	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7
-77.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.2	3.2	3.3	3.3



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	2.5	2.5	2.6	2.6	2.7	2.7	2.8	2.9	2.9	2.9	3.0
-80°	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7
-81.25°	1.9	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4
-82.5°	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0
-83.75°	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7
-85°	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4
-86.25°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-87.5°	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6
83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3
81.25°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
80°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1
78.75°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4
77.5°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9
76.25°	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
75°	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6
73.75°	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	4.9	5.0
72.5°	4.8	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
71.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.3
68.75°	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7
67.5°	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.1
66.25°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	6.4	6.5
65°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.7
63.75°	6.2	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
62.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8
61.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.1
60°	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
58.75°	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
57.5°	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
56.25°	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6
55°	7.7	7.8	8.0	8.1	8.2	8.4	8.5	8.6	8.8	8.9	9.0
53.75°	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.4
52.5°	8.3	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6	9.8
51.25°	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.7	9.9	10.0	10.0
50°	8.9	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.0	10.0	10.0
48.75°	9.3	9.4	9.6	9.8	9.9	10.0	10.0	10.0	10.0	10.0	10.0
47.5°	9.6	9.7	9.9	10.0	10.0	10.0	10.0	10.0	10.2	10.5	10.8
46.25°	9.8	10.0	10.0	10.0	10.0	10.0	10.2	10.6	10.9	11.2	11.5
45°	10.0	10.0	10.0	10.0	10.2	10.6	10.9	11.3	11.6	12.0	12.5
43.75°	10.0	10.0	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6
42.5°	10.0	10.2	10.6	11.1	11.5	12.0	12.5	13.1	13.6	14.1	15.1
41.25°	10.4	10.8	11.3	11.7	12.3	12.9	13.5	14.1	15.1	16.2	17.2
40°	10.9	11.4	11.9	12.6	13.3	13.9	14.8	16.0	17.1	18.2	19.4
38.75°	11.5	12.1	12.8	13.5	14.2	15.5	16.7	18.0	19.2	21.0	22.8
37.5°	12.2	13.0	13.7	14.6	16.0	17.3	18.7	20.4	22.4	24.4	26.3
36.25°	13.0	13.8	14.9	16.4	17.8	19.2	21.4	23.6	25.7	27.9	30.8
35°	13.8	15.1	16.6	18.1	19.8	22.2	24.5	26.8	29.7	32.9	35.9



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	15.1	16.7	18.3	20.2	22.7	25.2	27.6	31.1	34.5	37.8	41.6
32.5°	16.6	18.3	20.3	23.0	25.6	28.4	32.1	35.7	39.3	44.4	49.9
31.25°	18.1	20.2	23.0	25.7	28.8	32.7	36.6	40.5	46.6	52.4	58.1
30°	19.8	22.7	25.6	28.8	33.0	37.0	41.6	48.0	54.2	60.3	69.3
28.75°	22.2	25.2	28.4	32.7	37.0	41.9	48.7	55.3	62.3	72.4	82.0
27.5°	24.5	27.6	32.1	36.6	41.6	48.7	55.7	63.5	74.2	84.5	94.8
26.25°	26.8	31.1	35.7	40.5	48.0	55.3	63.5	74.8	85.8	97.5	112.6
25°	29.7	34.5	39.3	46.6	54.2	62.3	74.2	85.8	98.4	114.5	130.1
23.75°	32.9	37.8	44.4	52.4	60.3	72.4	84.5	97.5	114.5	131.0	150.3
22.5°	35.9	41.6	49.9	58.1	69.3	82.0	94.8	112.6	130.1	150.3	178.1
21.25°	38.8	46.6	55.1	65.1	78.4	91.4	108.8	127.2	147.0	176.4	205.1
20°	42.8	51.5	60.2	73.5	87.0	103.2	122.4	141.2	171.3	201.6	233.9
18.75°	47.2	56.1	67.5	81.5	95.9	115.8	135.4	163.0	194.7	226.8	268.1
17.5°	51.4	60.5	74.8	89.1	107.3	127.7	151.4	184.5	217.2	258.1	308.7
16.25°	55.4	67.0	81.7	97.2	118.2	139.0	171.0	205.0	243.7	293.2	350.4
15°	59.1	73.2	88.1	107.0	128.4	154.5	189.6	224.7	271.8	329.3	392.6
13.75°	63.7	79.0	94.2	116.2	138.0	171.1	207.0	249.1	303.5	366.2	436.0
12.5°	68.9	84.4	102.4	124.7	149.8	186.6	223.2	273.0	334.5	403.0	476.5
11.25°	73.5	89.3	109.8	132.4	163.3	200.8	243.0	299.0	364.8	438.8	514.1
10°	77.8	93.7	116.5	139.5	175.6	213.6	261.1	322.9	393.8	471.4	551.0
8.75°	81.6	99.2	122.5	147.9	186.6	225.8	279.9	346.4	421.6	500.7	584.4
7.5°	84.9	104.2	127.8	157.1	196.2	239.3	297.6	367.1	446.1	527.3	613.8
6.25°	87.7	108.5	132.2	164.9	204.4	250.8	312.7	385.3	467.1	551.3	639.1
5°	90.0	112.0	135.9	171.3	211.2	260.3	325.7	401.7	484.4	571.1	660.1
3.75°	91.8	114.8	138.8	176.4	216.5	268.1	336.6	414.6	498.0	586.7	676.6
2.5°	93.1	116.7	140.8	180.0	220.3	274.8	344.4	423.9	507.8	597.9	688.5
1.25°	93.8	117.9	142.1	182.2	222.5	278.8	349.1	429.5	513.7	604.6	695.7
0°	94.1	118.3	142.5	182.9	223.3	280.1	350.7	431.3	515.7	606.9	698.1
-1.25°	93.8	117.9	142.1	182.2	222.5	278.8	349.1	429.5	513.7	604.6	695.7
-2.5°	93.1	116.7	140.8	180.0	220.3	274.8	344.4	423.9	507.8	597.9	688.5
-3.75°	91.8	114.8	138.8	176.4	216.5	268.1	336.6	414.6	498.0	586.7	676.6
-5°	90.0	112.0	135.9	171.3	211.2	260.3	325.7	401.7	484.4	571.1	660.1
-6.25°	87.7	108.5	132.2	164.9	204.4	250.8	312.7	385.3	467.1	551.3	639.1
-7.5°	84.9	104.2	127.8	157.1	196.2	239.3	297.6	367.1	446.1	527.3	613.8
-8.75°	81.6	99.2	122.5	147.9	186.6	225.8	279.9	346.4	421.6	500.7	584.4
-10°	77.8	93.7	116.5	139.5	175.6	213.6	261.1	322.9	393.8	471.4	551.0
-11.25°	73.5	89.3	109.8	132.4	163.3	200.8	243.0	299.0	364.8	438.8	514.1
-12.5°	68.9	84.4	102.4	124.7	149.8	186.6	223.2	273.0	334.5	403.0	476.5
-13.75°	63.7	79.0	94.2	116.2	138.0	171.1	207.0	249.1	303.5	366.2	436.0
-15°	59.1	73.2	88.1	107.0	128.4	154.5	189.6	224.7	271.8	329.3	392.6
-16.25°	55.4	67.0	81.7	97.2	118.2	139.0	171.0	205.0	243.7	293.2	350.4
-17.5°	51.4	60.5	74.8	89.1	107.3	127.7	151.4	184.5	217.2	258.1	308.7
-18.75°	47.2	56.1	67.5	81.5	95.9	115.8	135.4	163.0	194.7	226.8	268.1
-20°	42.8	51.5	60.2	73.5	87.0	103.2	122.4	141.2	171.3	201.6	233.9
-21.25°	38.8	46.6	55.1	65.1	78.4	91.4	108.8	127.2	147.0	176.4	205.1



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	35.9	41.6	49.9	58.1	69.3	82.0	94.8	112.6	130.1	150.3	178.1
-23.75°	32.9	37.8	44.4	52.4	60.3	72.4	84.5	97.5	114.5	131.0	150.3
-25°	29.7	34.5	39.3	46.6	54.2	62.3	74.2	85.8	98.4	114.5	130.1
-26.25°	26.8	31.1	35.7	40.5	48.0	55.3	63.5	74.8	85.8	97.5	112.6
-27.5°	24.5	27.6	32.1	36.6	41.6	48.7	55.7	63.5	74.2	84.5	94.8
-28.75°	22.2	25.2	28.4	32.7	37.0	41.9	48.7	55.3	62.3	72.4	82.0
-30°	19.8	22.7	25.6	28.8	33.0	37.0	41.6	48.0	54.2	60.3	69.3
-31.25°	18.1	20.2	23.0	25.7	28.8	32.7	36.6	40.5	46.6	52.4	58.1
-32.5°	16.6	18.3	20.3	23.0	25.6	28.4	32.1	35.7	39.3	44.4	49.9
-33.75°	15.1	16.7	18.3	20.2	22.7	25.2	27.6	31.1	34.5	37.8	41.6
-35°	13.8	15.1	16.6	18.1	19.8	22.2	24.5	26.8	29.7	32.9	35.9
-36.25°	13.0	13.8	14.9	16.4	17.8	19.2	21.4	23.6	25.7	27.9	30.8
-37.5°	12.2	13.0	13.7	14.6	16.0	17.3	18.7	20.4	22.4	24.4	26.3
-38.75°	11.5	12.1	12.8	13.5	14.2	15.5	16.7	18.0	19.2	21.0	22.8
-40°	10.9	11.4	11.9	12.6	13.3	13.9	14.8	16.0	17.1	18.2	19.4
-41.25°	10.4	10.8	11.3	11.7	12.3	12.9	13.5	14.1	15.1	16.2	17.2
-42.5°	10.0	10.2	10.6	11.1	11.5	12.0	12.5	13.1	13.6	14.1	15.1
-43.75°	10.0	10.0	10.0	10.4	10.8	11.2	11.6	12.1	12.6	13.1	13.6
-45°	10.0	10.0	10.0	10.0	10.2	10.6	10.9	11.3	11.6	12.0	12.5
-46.25°	9.8	10.0	10.0	10.0	10.0	10.0	10.2	10.6	10.9	11.2	11.5
-47.5°	9.6	9.7	9.9	10.0	10.0	10.0	10.0	10.0	10.2	10.5	10.8
-48.75°	9.3	9.4	9.6	9.8	9.9	10.0	10.0	10.0	10.0	10.0	10.0
-50°	8.9	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.0	10.0	10.0
-51.25°	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.7	9.9	10.0	10.0
-52.5°	8.3	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6	9.8
-53.75°	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.4
-55°	7.7	7.8	8.0	8.1	8.2	8.4	8.5	8.6	8.8	8.9	9.0
-56.25°	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6
-57.5°	7.1	7.2	7.3	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2
-58.75°	6.7	6.9	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.8	7.9
-60°	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5
-61.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.9	7.0	7.1	7.1
-62.5°	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.8
-63.75°	6.2	6.4	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-65°	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7	6.7
-66.25°	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	6.4	6.5
-67.5°	5.2	5.3	5.4	5.5	5.6	5.7	5.7	5.8	5.9	6.0	6.1
-68.75°	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7
-70°	5.0	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.2	5.3
-71.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-72.5°	4.8	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-73.75°	4.4	4.5	4.6	4.6	4.7	4.7	4.8	4.9	4.9	4.9	5.0
-75°	4.1	4.2	4.2	4.3	4.3	4.4	4.4	4.5	4.5	4.6	4.6
-76.25°	3.7	3.8	3.9	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3
-77.5°	3.4	3.4	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4
-80°	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0	3.0	3.0	3.1
-81.25°	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
-82.5°	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3
-83.75°	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9	1.9
-85°	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.6
-86.25°	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
-87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
82.5°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
81.25°	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
80°	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3
78.75°	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7
77.5°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1
76.25°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
75°	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
71.25°	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3
70°	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7
68.75°	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2
67.5°	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6
66.25°	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63.75°	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0
62.5°	6.9	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4
61.25°	7.2	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.7	7.7	7.8
60°	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.1	8.2
58.75°	8.0	8.0	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6
57.5°	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0
56.25°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5
55°	9.1	9.2	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.9
53.75°	9.5	9.6	9.7	9.8	9.9	9.9	10.0	10.0	10.0	10.0	10.0
52.5°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
51.25°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.3	10.4	10.5
50°	10.0	10.0	10.0	10.2	10.4	10.6	10.8	10.9	11.1	11.2	11.3
48.75°	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4
47.5°	11.0	11.3	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.4	13.6
46.25°	11.8	12.2	12.6	13.0	13.3	13.6	13.9	14.2	14.6	15.0	15.4
45°	12.9	13.3	13.7	14.1	14.7	15.4	16.0	16.5	17.0	17.5	17.9
43.75°	14.0	14.7	15.5	16.3	17.0	17.7	18.3	18.9	19.6	20.4	21.1
42.5°	16.0	16.9	17.8	18.6	19.4	20.6	21.6	22.6	23.6	24.4	25.1
41.25°	18.2	19.1	20.5	21.9	23.2	24.4	25.5	26.6	27.5	28.8	30.0
40°	21.1	22.7	24.2	25.6	27.0	28.6	30.4	32.0	33.5	34.9	36.1
38.75°	24.6	26.3	28.0	30.3	32.4	34.4	36.2	37.9	39.5	41.5	43.5
37.5°	28.4	31.0	33.5	35.8	38.1	40.2	43.4	46.4	49.1	51.5	53.6
36.25°	33.7	36.4	38.9	42.3	46.1	49.7	53.0	56.1	58.9	61.9	65.5
35°	38.8	42.8	47.2	51.4	55.4	59.1	63.7	68.9	73.5	77.8	81.6



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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°	46.6	51.5	56.1	60.5	67.0	73.2	79.0	84.4	89.3	93.7	99.2
32.5°	55.1	60.2	67.5	74.8	81.7	88.1	94.2	102.4	109.8	116.5	122.5
31.25°	65.1	73.5	81.5	89.1	97.2	107.0	116.2	124.7	132.4	139.5	147.9
30°	78.4	87.0	95.9	107.3	118.2	128.4	138.0	149.8	163.3	175.6	186.6
28.75°	91.4	103.2	115.8	127.7	139.0	154.5	171.1	186.6	200.8	213.6	225.8
27.5°	108.8	122.4	135.4	151.4	171.0	189.6	207.0	223.2	243.0	261.1	279.9
26.25°	127.2	141.2	163.0	184.5	205.0	224.7	249.1	273.0	299.0	322.9	346.4
25°	147.0	171.3	194.7	217.2	243.7	271.8	303.5	334.5	364.8	393.8	421.6
23.75°	176.4	201.6	226.8	258.1	293.2	329.3	366.2	403.0	438.8	471.4	500.7
22.5°	205.1	233.9	268.1	308.7	350.4	392.6	436.0	476.5	514.1	551.0	584.4
21.25°	236.3	274.2	318.1	364.6	413.1	461.1	506.5	551.7	594.4	633.4	668.7
20°	274.2	321.2	371.8	425.5	478.1	529.3	580.6	628.9	673.8	716.9	758.4
18.75°	318.1	371.8	429.6	486.6	543.5	600.2	654.0	705.5	758.2	806.7	850.6
17.5°	364.6	425.5	486.6	548.3	610.1	669.3	728.9	788.2	843.8	895.1	945.6
16.25°	413.1	478.1	543.5	610.1	674.4	740.7	806.6	869.0	930.1	989.7	1044.0
15°	461.1	529.3	600.2	669.3	740.7	812.7	881.8	951.9	1019.7	1082.9	1141.3
13.75°	506.5	580.6	654.0	728.9	806.6	881.8	959.2	1035.0	1106.9	1174.4	1235.0
12.5°	551.7	628.9	705.5	788.2	869.0	951.9	1035.0	1115.0	1190.9	1260.6	1322.2
11.25°	594.4	673.8	758.2	843.8	930.1	1019.7	1106.9	1190.9	1268.9	1339.6	1398.5
10°	633.4	716.9	806.7	895.1	989.7	1082.9	1174.4	1260.6	1339.6	1406.7	1464.0
8.75°	668.7	758.4	850.6	945.6	1044.0	1141.3	1235.0	1322.2	1398.5	1464.0	1519.1
7.5°	700.0	795.2	889.7	991.1	1092.8	1193.1	1288.1	1374.0	1448.3	1511.7	1565.9
6.25°	729.9	826.9	925.6	1030.7	1135.4	1237.6	1333.8	1417.7	1489.9	1551.5	1605.7
5°	754.7	853.4	956.5	1063.8	1171.2	1274.3	1369.0	1451.4	1522.1	1583.8	1638.6
3.75°	774.3	874.2	980.9	1090.0	1198.9	1302.8	1396.6	1478.4	1547.4	1608.9	1663.4
2.5°	788.4	889.3	998.5	1109.2	1218.9	1323.6	1416.5	1496.1	1565.0	1627.0	1681.8
1.25°	796.9	898.4	1009.2	1120.8	1231.1	1336.2	1427.5	1506.8	1575.8	1638.2	1692.7
0°	799.8	901.4	1012.8	1124.7	1235.2	1340.4	1431.3	1510.4	1579.5	1642.0	1696.3
-1.25°	796.9	898.4	1009.2	1120.8	1231.1	1336.2	1427.5	1506.8	1575.8	1638.2	1692.7
-2.5°	788.4	889.3	998.5	1109.2	1218.9	1323.6	1416.5	1496.1	1565.0	1627.0	1681.8
-3.75°	774.3	874.2	980.9	1090.0	1198.9	1302.8	1396.6	1478.4	1547.4	1608.9	1663.4
-5°	754.7	853.4	956.5	1063.8	1171.2	1274.3	1369.0	1451.4	1522.1	1583.8	1638.6
-6.25°	729.9	826.9	925.6	1030.7	1135.4	1237.6	1333.8	1417.7	1489.9	1551.5	1605.7
-7.5°	700.0	795.2	889.7	991.1	1092.8	1193.1	1288.1	1374.0	1448.3	1511.7	1565.9
-8.75°	668.7	758.4	850.6	945.6	1044.0	1141.3	1235.0	1322.2	1398.5	1464.0	1519.1
-10°	633.4	716.9	806.7	895.1	989.7	1082.9	1174.4	1260.6	1339.6	1406.7	1464.0
-11.25°	594.4	673.8	758.2	843.8	930.1	1019.7	1106.9	1190.9	1268.9	1339.6	1398.5
-12.5°	551.7	628.9	705.5	788.2	869.0	951.9	1035.0	1115.0	1190.9	1260.6	1322.2
-13.75°	506.5	580.6	654.0	728.9	806.6	881.8	959.2	1035.0	1106.9	1174.4	1235.0
-15°	461.1	529.3	600.2	669.3	740.7	812.7	881.8	951.9	1019.7	1082.9	1141.3
-16.25°	413.1	478.1	543.5	610.1	674.4	740.7	806.6	869.0	930.1	989.7	1044.0
-17.5°	364.6	425.5	486.6	548.3	610.1	669.3	728.9	788.2	843.8	895.1	945.6
-18.75°	318.1	371.8	429.6	486.6	543.5	600.2	654.0	705.5	758.2	806.7	850.6
-20°	274.2	321.2	371.8	425.5	478.1	529.3	580.6	628.9	673.8	716.9	758.4
-21.25°	236.3	274.2	318.1	364.6	413.1	461.1	506.5	551.7	594.4	633.4	668.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	205.1	233.9	268.1	308.7	350.4	392.6	436.0	476.5	514.1	551.0	584.4
-23.75°	176.4	201.6	226.8	258.1	293.2	329.3	366.2	403.0	438.8	471.4	500.7
-25°	147.0	171.3	194.7	217.2	243.7	271.8	303.5	334.5	364.8	393.8	421.6
-26.25°	127.2	141.2	163.0	184.5	205.0	224.7	249.1	273.0	299.0	322.9	346.4
-27.5°	108.8	122.4	135.4	151.4	171.0	189.6	207.0	223.2	243.0	261.1	279.9
-28.75°	91.4	103.2	115.8	127.7	139.0	154.5	171.1	186.6	200.8	213.6	225.8
-30°	78.4	87.0	95.9	107.3	118.2	128.4	138.0	149.8	163.3	175.6	186.6
-31.25°	65.1	73.5	81.5	89.1	97.2	107.0	116.2	124.7	132.4	139.5	147.9
-32.5°	55.1	60.2	67.5	74.8	81.7	88.1	94.2	102.4	109.8	116.5	122.5
-33.75°	46.6	51.5	56.1	60.5	67.0	73.2	79.0	84.4	89.3	93.7	99.2
-35°	38.8	42.8	47.2	51.4	55.4	59.1	63.7	68.9	73.5	77.8	81.6
-36.25°	33.7	36.4	38.9	42.3	46.1	49.7	53.0	56.1	58.9	61.9	65.5
-37.5°	28.4	31.0	33.5	35.8	38.1	40.2	43.4	46.4	49.1	51.5	53.6
-38.75°	24.6	26.3	28.0	30.3	32.4	34.4	36.2	37.9	39.5	41.5	43.5
-40°	21.1	22.7	24.2	25.6	27.0	28.6	30.4	32.0	33.5	34.9	36.1
-41.25°	18.2	19.1	20.5	21.9	23.2	24.4	25.5	26.6	27.5	28.8	30.0
-42.5°	16.0	16.9	17.8	18.6	19.4	20.6	21.6	22.6	23.6	24.4	25.1
-43.75°	14.0	14.7	15.5	16.3	17.0	17.7	18.3	18.9	19.6	20.4	21.1
-45°	12.9	13.3	13.7	14.1	14.7	15.4	16.0	16.5	17.0	17.5	17.9
-46.25°	11.8	12.2	12.6	13.0	13.3	13.6	13.9	14.2	14.6	15.0	15.4
-47.5°	11.0	11.3	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.4	13.6
-48.75°	10.3	10.5	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4
-50°	10.0	10.0	10.0	10.2	10.4	10.6	10.8	10.9	11.1	11.2	11.3
-51.25°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.3	10.4	10.5
-52.5°	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-53.75°	9.5	9.6	9.7	9.8	9.9	9.9	10.0	10.0	10.0	10.0	10.0
-55°	9.1	9.2	9.3	9.4	9.5	9.6	9.6	9.7	9.8	9.8	9.9
-56.25°	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.3	9.4	9.4	9.5
-57.5°	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9	8.9	9.0	9.0
-58.75°	8.0	8.0	8.1	8.2	8.3	8.3	8.4	8.5	8.5	8.6	8.6
-60°	7.6	7.7	7.7	7.8	7.9	7.9	8.0	8.1	8.1	8.1	8.2
-61.25°	7.2	7.3	7.4	7.4	7.5	7.6	7.6	7.7	7.7	7.7	7.8
-62.5°	6.9	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4
-63.75°	6.7	6.7	6.7	6.7	6.7	6.8	6.8	6.9	6.9	7.0	7.0
-65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-66.25°	6.5	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-67.5°	6.1	6.2	6.2	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6
-68.75°	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2
-70°	5.3	5.4	5.4	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7
-71.25°	5.0	5.0	5.1	5.1	5.2	5.2	5.2	5.3	5.3	5.3	5.3
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	4.7	4.7	4.7	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
-76.25°	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5
-77.5°	3.9	3.9	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.7	3.7	3.7
-80°	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3
-81.25°	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9
-82.5°	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5
-83.75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1
-85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
81.25°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
78.75°	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7
77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
76.25°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
71.25°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
70°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
68.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
67.5°	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63.75°	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
62.5°	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
61.25°	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
60°	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
58.75°	8.6	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
57.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
56.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
55°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
53.75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
51.25°	10.6	10.7	10.7	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.7
50°	11.4	11.5	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.6	11.6
48.75°	12.5	12.7	12.8	12.8	12.9	12.9	13.0	12.9	12.9	12.8	12.8
47.5°	13.8	13.9	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.1	14.0
46.25°	15.8	16.0	16.3	16.5	16.6	16.7	16.7	16.7	16.6	16.5	16.3
45°	18.2	18.5	18.8	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8
43.75°	21.7	22.2	22.6	22.9	23.2	23.3	23.4	23.3	23.2	22.9	22.6
42.5°	25.7	26.3	26.7	27.1	27.3	27.5	27.5	27.5	27.3	27.1	26.7
41.25°	31.0	31.8	32.5	33.1	33.4	33.7	33.8	33.7	33.4	33.1	32.5
40°	37.1	38.0	38.7	39.3	39.7	39.9	40.0	39.9	39.7	39.3	38.7
38.75°	45.4	46.9	48.1	49.1	49.8	50.3	50.4	50.3	49.8	49.1	48.1
37.5°	55.5	57.1	58.4	59.5	60.2	60.7	60.8	60.7	60.2	59.5	58.4
36.25°	68.6	71.3	73.5	75.2	76.5	77.2	77.5	77.2	76.5	75.2	73.5
35°	84.9	87.7	90.0	91.8	93.1	93.8	94.1	93.8	93.1	91.8	90.0



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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	104.2	108.5	112.0	114.8	116.7	117.9	118.3	117.9	116.7	114.8	112.0
32.5°	127.8	132.2	135.9	138.8	140.8	142.1	142.5	142.1	140.8	138.8	135.9
31.25°	157.1	164.9	171.3	176.4	180.0	182.2	182.9	182.2	180.0	176.4	171.3
30°	196.2	204.4	211.2	216.5	220.3	222.5	223.3	222.5	220.3	216.5	211.2
28.75°	239.3	250.8	260.3	268.1	274.8	278.8	280.1	278.8	274.8	268.1	260.3
27.5°	297.6	312.7	325.7	336.6	344.4	349.1	350.7	349.1	344.4	336.6	325.7
26.25°	367.1	385.3	401.7	414.6	423.9	429.5	431.3	429.5	423.9	414.6	401.7
25°	446.1	467.1	484.4	498.0	507.8	513.7	515.7	513.7	507.8	498.0	484.4
23.75°	527.3	551.3	571.1	586.7	597.9	604.6	606.9	604.6	597.9	586.7	571.1
22.5°	613.8	639.1	660.1	676.6	688.5	695.7	698.1	695.7	688.5	676.6	660.1
21.25°	700.0	729.9	754.7	774.3	788.4	796.9	799.8	796.9	788.4	774.3	754.7
20°	795.2	826.9	853.4	874.2	889.3	898.4	901.4	898.4	889.3	874.2	853.4
18.75°	889.7	925.6	956.5	980.9	998.5	1009.2	1012.8	1009.2	998.5	980.9	956.5
17.5°	991.1	1030.7	1063.8	1090.0	1109.2	1120.8	1124.7	1120.8	1109.2	1090.0	1063.8
16.25°	1092.8	1135.4	1171.2	1198.9	1218.9	1231.1	1235.2	1231.1	1218.9	1198.9	1171.2
15°	1193.1	1237.6	1274.3	1302.8	1323.6	1336.2	1340.4	1336.2	1323.6	1302.8	1274.3
13.75°	1288.1	1333.8	1369.0	1396.6	1416.5	1427.5	1431.3	1427.5	1416.5	1396.6	1369.0
12.5°	1374.0	1417.7	1451.4	1478.4	1496.1	1506.8	1510.4	1506.8	1496.1	1478.4	1451.4
11.25°	1448.3	1489.9	1522.1	1547.4	1565.0	1575.8	1579.5	1575.8	1565.0	1547.4	1522.1
10°	1511.7	1551.5	1583.8	1608.9	1627.0	1638.2	1642.0	1638.2	1627.0	1608.9	1583.8
8.75°	1565.9	1605.7	1638.6	1663.4	1681.8	1692.7	1696.3	1692.7	1681.8	1663.4	1638.6
7.5°	1612.9	1653.0	1685.8	1711.4	1730.1	1739.9	1743.2	1739.9	1730.1	1711.4	1685.8
6.25°	1653.0	1693.1	1727.1	1750.2	1765.1	1772.5	1775.1	1772.5	1765.1	1750.2	1727.1
5°	1685.8	1727.1	1757.2	1775.1	1784.4	1788.8	1790.3	1788.8	1784.4	1775.1	1757.2
3.75°	1711.4	1750.2	1775.1	1787.3	1790.7	1790.9	1789.9	1790.9	1790.7	1787.3	1775.1
2.5°	1730.1	1765.1	1784.4	1790.7	1788.8	1785.2	1784.0	1785.2	1788.8	1790.7	1784.4
1.25°	1739.9	1772.5	1788.8	1790.9	1785.2	1782.3	1783.2	1782.3	1785.2	1790.9	1788.8
0°	1743.2	1775.1	1790.3	1789.9	1784.0	1783.2	1787.8	1783.2	1784.0	1789.9	1790.3
-1.25°	1739.9	1772.5	1788.8	1790.9	1785.2	1782.3	1783.2	1782.3	1785.2	1790.9	1788.8
-2.5°	1730.1	1765.1	1784.4	1790.7	1788.8	1785.2	1784.0	1785.2	1788.8	1790.7	1784.4
-3.75°	1711.4	1750.2	1775.1	1787.3	1790.7	1790.9	1789.9	1790.9	1790.7	1787.3	1775.1
-5°	1685.8	1727.1	1757.2	1775.1	1784.4	1788.8	1790.3	1788.8	1784.4	1775.1	1757.2
-6.25°	1653.0	1693.1	1727.1	1750.2	1765.1	1772.5	1775.1	1772.5	1765.1	1750.2	1727.1
-7.5°	1612.9	1653.0	1685.8	1711.4	1730.1	1739.9	1743.2	1739.9	1730.1	1711.4	1685.8
-8.75°	1565.9	1605.7	1638.6	1663.4	1681.8	1692.7	1696.3	1692.7	1681.8	1663.4	1638.6
-10°	1511.7	1551.5	1583.8	1608.9	1627.0	1638.2	1642.0	1638.2	1627.0	1608.9	1583.8
-11.25°	1448.3	1489.9	1522.1	1547.4	1565.0	1575.8	1579.5	1575.8	1565.0	1547.4	1522.1
-12.5°	1374.0	1417.7	1451.4	1478.4	1496.1	1506.8	1510.4	1506.8	1496.1	1478.4	1451.4
-13.75°	1288.1	1333.8	1369.0	1396.6	1416.5	1427.5	1431.3	1427.5	1416.5	1396.6	1369.0
-15°	1193.1	1237.6	1274.3	1302.8	1323.6	1336.2	1340.4	1336.2	1323.6	1302.8	1274.3
-16.25°	1092.8	1135.4	1171.2	1198.9	1218.9	1231.1	1235.2	1231.1	1218.9	1198.9	1171.2
-17.5°	991.1	1030.7	1063.8	1090.0	1109.2	1120.8	1124.7	1120.8	1109.2	1090.0	1063.8
-18.75°	889.7	925.6	956.5	980.9	998.5	1009.2	1012.8	1009.2	998.5	980.9	956.5
-20°	795.2	826.9	853.4	874.2	889.3	898.4	901.4	898.4	889.3	874.2	853.4
-21.25°	700.0	729.9	754.7	774.3	788.4	796.9	799.8	796.9	788.4	774.3	754.7



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 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	613.8	639.1	660.1	676.6	688.5	695.7	698.1	695.7	688.5	676.6	660.1
-23.75°	527.3	551.3	571.1	586.7	597.9	604.6	606.9	604.6	597.9	586.7	571.1
-25°	446.1	467.1	484.4	498.0	507.8	513.7	515.7	513.7	507.8	498.0	484.4
-26.25°	367.1	385.3	401.7	414.6	423.9	429.5	431.3	429.5	423.9	414.6	401.7
-27.5°	297.6	312.7	325.7	336.6	344.4	349.1	350.7	349.1	344.4	336.6	325.7
-28.75°	239.3	250.8	260.3	268.1	274.8	278.8	280.1	278.8	274.8	268.1	260.3
-30°	196.2	204.4	211.2	216.5	220.3	222.5	223.3	222.5	220.3	216.5	211.2
-31.25°	157.1	164.9	171.3	176.4	180.0	182.2	182.9	182.2	180.0	176.4	171.3
-32.5°	127.8	132.2	135.9	138.8	140.8	142.1	142.5	142.1	140.8	138.8	135.9
-33.75°	104.2	108.5	112.0	114.8	116.7	117.9	118.3	117.9	116.7	114.8	112.0
-35°	84.9	87.7	90.0	91.8	93.1	93.8	94.1	93.8	93.1	91.8	90.0
-36.25°	68.6	71.3	73.5	75.2	76.5	77.2	77.5	77.2	76.5	75.2	73.5
-37.5°	55.5	57.1	58.4	59.5	60.2	60.7	60.8	60.7	60.2	59.5	58.4
-38.75°	45.4	46.9	48.1	49.1	49.8	50.3	50.4	50.3	49.8	49.1	48.1
-40°	37.1	38.0	38.7	39.3	39.7	39.9	40.0	39.9	39.7	39.3	38.7
-41.25°	31.0	31.8	32.5	33.1	33.4	33.7	33.8	33.7	33.4	33.1	32.5
-42.5°	25.7	26.3	26.7	27.1	27.3	27.5	27.5	27.5	27.3	27.1	26.7
-43.75°	21.7	22.2	22.6	22.9	23.2	23.3	23.4	23.3	23.2	22.9	22.6
-45°	18.2	18.5	18.8	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8
-46.25°	15.8	16.0	16.3	16.5	16.6	16.7	16.7	16.7	16.6	16.5	16.3
-47.5°	13.8	13.9	14.0	14.1	14.2	14.2	14.2	14.2	14.2	14.1	14.0
-48.75°	12.5	12.7	12.8	12.8	12.9	12.9	13.0	12.9	12.9	12.8	12.8
-50°	11.4	11.5	11.6	11.6	11.7	11.7	11.7	11.7	11.7	11.6	11.6
-51.25°	10.6	10.7	10.7	10.8	10.8	10.8	10.9	10.8	10.8	10.8	10.7
-52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-53.75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-55°	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-56.25°	9.5	9.5	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
-57.5°	9.1	9.1	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
-58.75°	8.6	8.7	8.7	8.7	8.7	8.7	8.8	8.7	8.7	8.7	8.7
-60°	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
-61.25°	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-62.5°	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
-63.75°	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
-65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-67.5°	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-68.75°	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2
-70°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
-71.25°	5.3	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-76.25°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
-77.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.7	3.7	3.7
-80°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
-81.25°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
-82.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.2
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
82.5°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
81.25°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1
78.75°	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5
77.5°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
76.25°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
75°	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7
73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
71.25°	5.4	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1
70°	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4
68.75°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8
67.5°	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.2
66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
63.75°	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7
62.5°	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0
61.25°	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.4
60°	8.2	8.2	8.2	8.1	8.1	8.1	8.0	7.9	7.9	7.8	7.7
58.75°	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2	8.1
57.5°	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6	8.5
56.25°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.0	8.9
55°	9.9	9.9	9.9	9.8	9.8	9.7	9.6	9.6	9.5	9.4	9.3
53.75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7
52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
51.25°	10.7	10.6	10.5	10.4	10.3	10.1	10.0	10.0	10.0	10.0	10.0
50°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.6	10.4	10.2	10.0
48.75°	12.7	12.5	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	10.8
47.5°	13.9	13.8	13.6	13.4	13.2	13.0	12.7	12.4	12.1	11.8	11.5
46.25°	16.0	15.8	15.4	15.0	14.6	14.2	13.9	13.6	13.3	13.0	12.6
45°	18.5	18.2	17.9	17.5	17.0	16.5	16.0	15.4	14.7	14.1	13.7
43.75°	22.2	21.7	21.1	20.4	19.6	18.9	18.3	17.7	17.0	16.3	15.5
42.5°	26.3	25.7	25.1	24.4	23.6	22.6	21.6	20.6	19.4	18.6	17.8
41.25°	31.8	31.0	30.0	28.8	27.5	26.6	25.5	24.4	23.2	21.9	20.5
40°	38.0	37.1	36.1	34.9	33.5	32.0	30.4	28.6	27.0	25.6	24.2
38.75°	46.9	45.4	43.5	41.5	39.5	37.9	36.2	34.4	32.4	30.3	28.0
37.5°	57.1	55.5	53.6	51.5	49.1	46.4	43.4	40.2	38.1	35.8	33.5
36.25°	71.3	68.6	65.5	61.9	58.9	56.1	53.0	49.7	46.1	42.3	38.9
35°	87.7	84.9	81.6	77.8	73.5	68.9	63.7	59.1	55.4	51.4	47.2



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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°	108.5	104.2	99.2	93.7	89.3	84.4	79.0	73.2	67.0	60.5	56.1
32.5°	132.2	127.8	122.5	116.5	109.8	102.4	94.2	88.1	81.7	74.8	67.5
31.25°	164.9	157.1	147.9	139.5	132.4	124.7	116.2	107.0	97.2	89.1	81.5
30°	204.4	196.2	186.6	175.6	163.3	149.8	138.0	128.4	118.2	107.3	95.9
28.75°	250.8	239.3	225.8	213.6	200.8	186.6	171.1	154.5	139.0	127.7	115.8
27.5°	312.7	297.6	279.9	261.1	243.0	223.2	207.0	189.6	171.0	151.4	135.4
26.25°	385.3	367.1	346.4	322.9	299.0	273.0	249.1	224.7	205.0	184.5	163.0
25°	467.1	446.1	421.6	393.8	364.8	334.5	303.5	271.8	243.7	217.2	194.7
23.75°	551.3	527.3	500.7	471.4	438.8	403.0	366.2	329.3	293.2	258.1	226.8
22.5°	639.1	613.8	584.4	551.0	514.1	476.5	436.0	392.6	350.4	308.7	268.1
21.25°	729.9	700.0	668.7	633.4	594.4	551.7	506.5	461.1	413.1	364.6	318.1
20°	826.9	795.2	758.4	716.9	673.8	628.9	580.6	529.3	478.1	425.5	371.8
18.75°	925.6	889.7	850.6	806.7	758.2	705.5	654.0	600.2	543.5	486.6	429.6
17.5°	1030.7	991.1	945.6	895.1	843.8	788.2	728.9	669.3	610.1	548.3	486.6
16.25°	1135.4	1092.8	1044.0	989.7	930.1	869.0	806.6	740.7	674.4	610.1	543.5
15°	1237.6	1193.1	1141.3	1082.9	1019.7	951.9	881.8	812.7	740.7	669.3	600.2
13.75°	1333.8	1288.1	1235.0	1174.4	1106.9	1035.0	959.2	881.8	806.6	728.9	654.0
12.5°	1417.7	1374.0	1322.2	1260.6	1190.9	1115.0	1035.0	951.9	869.0	788.2	705.5
11.25°	1489.9	1448.3	1398.5	1339.6	1268.9	1190.9	1106.9	1019.7	930.1	843.8	758.2
10°	1551.5	1511.7	1464.0	1406.7	1339.6	1260.6	1174.4	1082.9	989.7	895.1	806.7
8.75°	1605.7	1565.9	1519.1	1464.0	1398.5	1322.2	1235.0	1141.3	1044.0	945.6	850.6
7.5°	1653.0	1612.9	1565.9	1511.7	1448.3	1374.0	1288.1	1193.1	1092.8	991.1	889.7
6.25°	1693.1	1653.0	1605.7	1551.5	1489.9	1417.7	1333.8	1237.6	1135.4	1030.7	925.6
5°	1727.1	1685.8	1638.6	1583.8	1522.1	1451.4	1369.0	1274.3	1171.2	1063.8	956.5
3.75°	1750.2	1711.4	1663.4	1608.9	1547.4	1478.4	1396.6	1302.8	1198.9	1090.0	980.9
2.5°	1765.1	1730.1	1681.8	1627.0	1565.0	1496.1	1416.5	1323.6	1218.9	1109.2	998.5
1.25°	1772.5	1739.9	1692.7	1638.2	1575.8	1506.8	1427.5	1336.2	1231.1	1120.8	1009.2
0°	1775.1	1743.2	1696.3	1642.0	1579.5	1510.4	1431.3	1340.4	1235.2	1124.7	1012.8
-1.25°	1772.5	1739.9	1692.7	1638.2	1575.8	1506.8	1427.5	1336.2	1231.1	1120.8	1009.2
-2.5°	1765.1	1730.1	1681.8	1627.0	1565.0	1496.1	1416.5	1323.6	1218.9	1109.2	998.5
-3.75°	1750.2	1711.4	1663.4	1608.9	1547.4	1478.4	1396.6	1302.8	1198.9	1090.0	980.9
-5°	1727.1	1685.8	1638.6	1583.8	1522.1	1451.4	1369.0	1274.3	1171.2	1063.8	956.5
-6.25°	1693.1	1653.0	1605.7	1551.5	1489.9	1417.7	1333.8	1237.6	1135.4	1030.7	925.6
-7.5°	1653.0	1612.9	1565.9	1511.7	1448.3	1374.0	1288.1	1193.1	1092.8	991.1	889.7
-8.75°	1605.7	1565.9	1519.1	1464.0	1398.5	1322.2	1235.0	1141.3	1044.0	945.6	850.6
-10°	1551.5	1511.7	1464.0	1406.7	1339.6	1260.6	1174.4	1082.9	989.7	895.1	806.7
-11.25°	1489.9	1448.3	1398.5	1339.6	1268.9	1190.9	1106.9	1019.7	930.1	843.8	758.2
-12.5°	1417.7	1374.0	1322.2	1260.6	1190.9	1115.0	1035.0	951.9	869.0	788.2	705.5
-13.75°	1333.8	1288.1	1235.0	1174.4	1106.9	1035.0	959.2	881.8	806.6	728.9	654.0
-15°	1237.6	1193.1	1141.3	1082.9	1019.7	951.9	881.8	812.7	740.7	669.3	600.2
-16.25°	1135.4	1092.8	1044.0	989.7	930.1	869.0	806.6	740.7	674.4	610.1	543.5
-17.5°	1030.7	991.1	945.6	895.1	843.8	788.2	728.9	669.3	610.1	548.3	486.6
-18.75°	925.6	889.7	850.6	806.7	758.2	705.5	654.0	600.2	543.5	486.6	429.6
-20°	826.9	795.2	758.4	716.9	673.8	628.9	580.6	529.3	478.1	425.5	371.8
-21.25°	729.9	700.0	668.7	633.4	594.4	551.7	506.5	461.1	413.1	364.6	318.1



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	639.1	613.8	584.4	551.0	514.1	476.5	436.0	392.6	350.4	308.7	268.1
-23.75°	551.3	527.3	500.7	471.4	438.8	403.0	366.2	329.3	293.2	258.1	226.8
-25°	467.1	446.1	421.6	393.8	364.8	334.5	303.5	271.8	243.7	217.2	194.7
-26.25°	385.3	367.1	346.4	322.9	299.0	273.0	249.1	224.7	205.0	184.5	163.0
-27.5°	312.7	297.6	279.9	261.1	243.0	223.2	207.0	189.6	171.0	151.4	135.4
-28.75°	250.8	239.3	225.8	213.6	200.8	186.6	171.1	154.5	139.0	127.7	115.8
-30°	204.4	196.2	186.6	175.6	163.3	149.8	138.0	128.4	118.2	107.3	95.9
-31.25°	164.9	157.1	147.9	139.5	132.4	124.7	116.2	107.0	97.2	89.1	81.5
-32.5°	132.2	127.8	122.5	116.5	109.8	102.4	94.2	88.1	81.7	74.8	67.5
-33.75°	108.5	104.2	99.2	93.7	89.3	84.4	79.0	73.2	67.0	60.5	56.1
-35°	87.7	84.9	81.6	77.8	73.5	68.9	63.7	59.1	55.4	51.4	47.2
-36.25°	71.3	68.6	65.5	61.9	58.9	56.1	53.0	49.7	46.1	42.3	38.9
-37.5°	57.1	55.5	53.6	51.5	49.1	46.4	43.4	40.2	38.1	35.8	33.5
-38.75°	46.9	45.4	43.5	41.5	39.5	37.9	36.2	34.4	32.4	30.3	28.0
-40°	38.0	37.1	36.1	34.9	33.5	32.0	30.4	28.6	27.0	25.6	24.2
-41.25°	31.8	31.0	30.0	28.8	27.5	26.6	25.5	24.4	23.2	21.9	20.5
-42.5°	26.3	25.7	25.1	24.4	23.6	22.6	21.6	20.6	19.4	18.6	17.8
-43.75°	22.2	21.7	21.1	20.4	19.6	18.9	18.3	17.7	17.0	16.3	15.5
-45°	18.5	18.2	17.9	17.5	17.0	16.5	16.0	15.4	14.7	14.1	13.7
-46.25°	16.0	15.8	15.4	15.0	14.6	14.2	13.9	13.6	13.3	13.0	12.6
-47.5°	13.9	13.8	13.6	13.4	13.2	13.0	12.7	12.4	12.1	11.8	11.5
-48.75°	12.7	12.5	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	10.8
-50°	11.5	11.4	11.3	11.2	11.1	10.9	10.8	10.6	10.4	10.2	10.0
-51.25°	10.7	10.6	10.5	10.4	10.3	10.1	10.0	10.0	10.0	10.0	10.0
-52.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
-53.75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.8	9.7
-55°	9.9	9.9	9.9	9.8	9.8	9.7	9.6	9.6	9.5	9.4	9.3
-56.25°	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.2	9.1	9.0	8.9
-57.5°	9.1	9.1	9.0	9.0	8.9	8.9	8.8	8.8	8.7	8.6	8.5
-58.75°	8.7	8.6	8.6	8.6	8.5	8.5	8.4	8.3	8.3	8.2	8.1
-60°	8.2	8.2	8.2	8.1	8.1	8.1	8.0	7.9	7.9	7.8	7.7
-61.25°	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.4
-62.5°	7.4	7.4	7.4	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.0
-63.75°	7.0	7.0	7.0	7.0	6.9	6.9	6.8	6.8	6.7	6.7	6.7
-65°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-66.25°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-67.5°	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.2
-68.75°	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0	5.9	5.9	5.8
-70°	5.8	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4
-71.25°	5.4	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-73.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-75°	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7
-76.25°	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.4
-77.5°	4.2	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5
-80°	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1
-81.25°	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
-82.5°	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
-83.75°	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
-85°	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
-86.25°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
-87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
-88.75°	0.4	0.4	0.4	0.4	0.4	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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
86.25°	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
85°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
83.75°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
82.5°	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
81.25°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5
80°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8
78.75°	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
77.5°	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
76.25°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
75°	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2
73.75°	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.7	4.7	4.6	4.6
72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9
71.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
70°	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	5.0
68.75°	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1
67.5°	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4
66.25°	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.9	5.8
65°	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1
63.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5
62.5°	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
61.25°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.7	6.7	6.7
60°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7
58.75°	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0
57.5°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.3
56.25°	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.8	7.6
55°	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.1	8.0
53.75°	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.7	8.6	8.4	8.3
52.5°	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	9.0	8.8	8.6
51.25°	10.0	10.0	10.0	10.0	9.9	9.7	9.6	9.5	9.3	9.1	9.0
50°	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.6	9.5	9.3
48.75°	10.5	10.3	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.6
47.5°	11.3	11.0	10.8	10.5	10.2	10.0	10.0	10.0	10.0	10.0	9.9
46.25°	12.2	11.8	11.5	11.2	10.9	10.6	10.2	10.0	10.0	10.0	10.0
45°	13.3	12.9	12.5	12.0	11.6	11.3	10.9	10.6	10.2	10.0	10.0
43.75°	14.7	14.0	13.6	13.1	12.6	12.1	11.6	11.2	10.8	10.4	10.0
42.5°	16.9	16.0	15.1	14.1	13.6	13.1	12.5	12.0	11.5	11.1	10.6
41.25°	19.1	18.2	17.2	16.2	15.1	14.1	13.5	12.9	12.3	11.7	11.3
40°	22.7	21.1	19.4	18.2	17.1	16.0	14.8	13.9	13.3	12.6	11.9
38.75°	26.3	24.6	22.8	21.0	19.2	18.0	16.7	15.5	14.2	13.5	12.8
37.5°	31.0	28.4	26.3	24.4	22.4	20.4	18.7	17.3	16.0	14.6	13.7
36.25°	36.4	33.7	30.8	27.9	25.7	23.6	21.4	19.2	17.8	16.4	14.9
35°	42.8	38.8	35.9	32.9	29.7	26.8	24.5	22.2	19.8	18.1	16.6

REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	51.5	46.6	41.6	37.8	34.5	31.1	27.6	25.2	22.7	20.2	18.3
32.5°	60.2	55.1	49.9	44.4	39.3	35.7	32.1	28.4	25.6	23.0	20.3
31.25°	73.5	65.1	58.1	52.4	46.6	40.5	36.6	32.7	28.8	25.7	23.0
30°	87.0	78.4	69.3	60.3	54.2	48.0	41.6	37.0	33.0	28.8	25.6
28.75°	103.2	91.4	82.0	72.4	62.3	55.3	48.7	41.9	37.0	32.7	28.4
27.5°	122.4	108.8	94.8	84.5	74.2	63.5	55.7	48.7	41.6	36.6	32.1
26.25°	141.2	127.2	112.6	97.5	85.8	74.8	63.5	55.3	48.0	40.5	35.7
25°	171.3	147.0	130.1	114.5	98.4	85.8	74.2	62.3	54.2	46.6	39.3
23.75°	201.6	176.4	150.3	131.0	114.5	97.5	84.5	72.4	60.3	52.4	44.4
22.5°	233.9	205.1	178.1	150.3	130.1	112.6	94.8	82.0	69.3	58.1	49.9
21.25°	274.2	236.3	205.1	176.4	147.0	127.2	108.8	91.4	78.4	65.1	55.1
20°	321.2	274.2	233.9	201.6	171.3	141.2	122.4	103.2	87.0	73.5	60.2
18.75°	371.8	318.1	268.1	226.8	194.7	163.0	135.4	115.8	95.9	81.5	67.5
17.5°	425.5	364.6	308.7	258.1	217.2	184.5	151.4	127.7	107.3	89.1	74.8
16.25°	478.1	413.1	350.4	293.2	243.7	205.0	171.0	139.0	118.2	97.2	81.7
15°	529.3	461.1	392.6	329.3	271.8	224.7	189.6	154.5	128.4	107.0	88.1
13.75°	580.6	506.5	436.0	366.2	303.5	249.1	207.0	171.1	138.0	116.2	94.2
12.5°	628.9	551.7	476.5	403.0	334.5	273.0	223.2	186.6	149.8	124.7	102.4
11.25°	673.8	594.4	514.1	438.8	364.8	299.0	243.0	200.8	163.3	132.4	109.8
10°	716.9	633.4	551.0	471.4	393.8	322.9	261.1	213.6	175.6	139.5	116.5
8.75°	758.4	668.7	584.4	500.7	421.6	346.4	279.9	225.8	186.6	147.9	122.5
7.5°	795.2	700.0	613.8	527.3	446.1	367.1	297.6	239.3	196.2	157.1	127.8
6.25°	826.9	729.9	639.1	551.3	467.1	385.3	312.7	250.8	204.4	164.9	132.2
5°	853.4	754.7	660.1	571.1	484.4	401.7	325.7	260.3	211.2	171.3	135.9
3.75°	874.2	774.3	676.6	586.7	498.0	414.6	336.6	268.1	216.5	176.4	138.8
2.5°	889.3	788.4	688.5	597.9	507.8	423.9	344.4	274.8	220.3	180.0	140.8
1.25°	898.4	796.9	695.7	604.6	513.7	429.5	349.1	278.8	222.5	182.2	142.1
0°	901.4	799.8	698.1	606.9	515.7	431.3	350.7	280.1	223.3	182.9	142.5
-1.25°	898.4	796.9	695.7	604.6	513.7	429.5	349.1	278.8	222.5	182.2	142.1
-2.5°	889.3	788.4	688.5	597.9	507.8	423.9	344.4	274.8	220.3	180.0	140.8
-3.75°	874.2	774.3	676.6	586.7	498.0	414.6	336.6	268.1	216.5	176.4	138.8
-5°	853.4	754.7	660.1	571.1	484.4	401.7	325.7	260.3	211.2	171.3	135.9
-6.25°	826.9	729.9	639.1	551.3	467.1	385.3	312.7	250.8	204.4	164.9	132.2
-7.5°	795.2	700.0	613.8	527.3	446.1	367.1	297.6	239.3	196.2	157.1	127.8
-8.75°	758.4	668.7	584.4	500.7	421.6	346.4	279.9	225.8	186.6	147.9	122.5
-10°	716.9	633.4	551.0	471.4	393.8	322.9	261.1	213.6	175.6	139.5	116.5
-11.25°	673.8	594.4	514.1	438.8	364.8	299.0	243.0	200.8	163.3	132.4	109.8
-12.5°	628.9	551.7	476.5	403.0	334.5	273.0	223.2	186.6	149.8	124.7	102.4
-13.75°	580.6	506.5	436.0	366.2	303.5	249.1	207.0	171.1	138.0	116.2	94.2
-15°	529.3	461.1	392.6	329.3	271.8	224.7	189.6	154.5	128.4	107.0	88.1
-16.25°	478.1	413.1	350.4	293.2	243.7	205.0	171.0	139.0	118.2	97.2	81.7
-17.5°	425.5	364.6	308.7	258.1	217.2	184.5	151.4	127.7	107.3	89.1	74.8
-18.75°	371.8	318.1	268.1	226.8	194.7	163.0	135.4	115.8	95.9	81.5	67.5
-20°	321.2	274.2	233.9	201.6	171.3	141.2	122.4	103.2	87.0	73.5	60.2
-21.25°	274.2	236.3	205.1	176.4	147.0	127.2	108.8	91.4	78.4	65.1	55.1



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	233.9	205.1	178.1	150.3	130.1	112.6	94.8	82.0	69.3	58.1	49.9
-23.75°	201.6	176.4	150.3	131.0	114.5	97.5	84.5	72.4	60.3	52.4	44.4
-25°	171.3	147.0	130.1	114.5	98.4	85.8	74.2	62.3	54.2	46.6	39.3
-26.25°	141.2	127.2	112.6	97.5	85.8	74.8	63.5	55.3	48.0	40.5	35.7
-27.5°	122.4	108.8	94.8	84.5	74.2	63.5	55.7	48.7	41.6	36.6	32.1
-28.75°	103.2	91.4	82.0	72.4	62.3	55.3	48.7	41.9	37.0	32.7	28.4
-30°	87.0	78.4	69.3	60.3	54.2	48.0	41.6	37.0	33.0	28.8	25.6
-31.25°	73.5	65.1	58.1	52.4	46.6	40.5	36.6	32.7	28.8	25.7	23.0
-32.5°	60.2	55.1	49.9	44.4	39.3	35.7	32.1	28.4	25.6	23.0	20.3
-33.75°	51.5	46.6	41.6	37.8	34.5	31.1	27.6	25.2	22.7	20.2	18.3
-35°	42.8	38.8	35.9	32.9	29.7	26.8	24.5	22.2	19.8	18.1	16.6
-36.25°	36.4	33.7	30.8	27.9	25.7	23.6	21.4	19.2	17.8	16.4	14.9
-37.5°	31.0	28.4	26.3	24.4	22.4	20.4	18.7	17.3	16.0	14.6	13.7
-38.75°	26.3	24.6	22.8	21.0	19.2	18.0	16.7	15.5	14.2	13.5	12.8
-40°	22.7	21.1	19.4	18.2	17.1	16.0	14.8	13.9	13.3	12.6	11.9
-41.25°	19.1	18.2	17.2	16.2	15.1	14.1	13.5	12.9	12.3	11.7	11.3
-42.5°	16.9	16.0	15.1	14.1	13.6	13.1	12.5	12.0	11.5	11.1	10.6
-43.75°	14.7	14.0	13.6	13.1	12.6	12.1	11.6	11.2	10.8	10.4	10.0
-45°	13.3	12.9	12.5	12.0	11.6	11.3	10.9	10.6	10.2	10.0	10.0
-46.25°	12.2	11.8	11.5	11.2	10.9	10.6	10.2	10.0	10.0	10.0	10.0
-47.5°	11.3	11.0	10.8	10.5	10.2	10.0	10.0	10.0	10.0	10.0	9.9
-48.75°	10.5	10.3	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.6
-50°	10.0	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.6	9.5	9.3
-51.25°	10.0	10.0	10.0	10.0	9.9	9.7	9.6	9.5	9.3	9.1	9.0
-52.5°	10.0	9.9	9.8	9.6	9.5	9.4	9.3	9.1	9.0	8.8	8.6
-53.75°	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.7	8.6	8.4	8.3
-55°	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.1	8.0
-56.25°	8.8	8.7	8.6	8.5	8.4	8.3	8.1	8.0	7.9	7.8	7.6
-57.5°	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.3
-58.75°	8.0	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.2	7.1	7.0
-60°	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7
-61.25°	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.7	6.7	6.7
-62.5°	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
-63.75°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5
-65°	6.7	6.7	6.7	6.7	6.7	6.6	6.5	6.4	6.3	6.2	6.1
-66.25°	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.9	5.8
-67.5°	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4
-68.75°	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.3	5.2	5.1
-70°	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	5.0	5.0
-71.25°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-72.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9
-73.75°	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.7	4.7	4.6	4.6
-75°	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3	4.2
-76.25°	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.9
-77.5°	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
-80°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8
-81.25°	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5
-82.5°	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
-83.75°	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
-85°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
-86.25°	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
-87.5°	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
-88.75°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
86.25°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8
85°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1
83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
82.5°	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
81.25°	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
80°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
78.75°	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.6
77.5°	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.9
76.25°	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1
75°	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4
73.75°	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7
72.5°	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0
71.25°	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3
70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.6
68.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8
67.5°	5.3	5.2	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0
66.25°	5.7	5.6	5.5	5.4	5.3	5.2	5.0	5.0	5.0	5.0	5.0
65°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	5.0
63.75°	6.4	6.2	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.2	5.1
62.5°	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8	5.6	5.5	5.4
61.25°	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.1	5.9	5.8	5.6
60°	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.1	5.9
58.75°	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.2
57.5°	7.2	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.5
56.25°	7.5	7.4	7.2	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7
55°	7.8	7.7	7.5	7.4	7.2	7.0	6.9	6.7	6.7	6.7	6.7
53.75°	8.1	8.0	7.8	7.7	7.5	7.3	7.1	7.0	6.8	6.7	6.7
52.5°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.9	6.7
51.25°	8.8	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.9
50°	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.8	7.6	7.4	7.1
48.75°	9.4	9.3	9.1	8.9	8.6	8.4	8.2	8.0	7.8	7.6	7.4
47.5°	9.7	9.6	9.4	9.2	8.9	8.7	8.5	8.3	8.0	7.8	7.6
46.25°	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8
45°	10.0	10.0	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1
43.75°	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8	8.6	8.3
42.5°	10.2	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8	8.5
41.25°	10.8	10.4	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8
40°	11.4	10.9	10.4	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.0
38.75°	12.1	11.5	11.0	10.5	10.0	10.0	10.0	10.0	9.8	9.5	9.2
37.5°	13.0	12.2	11.5	11.0	10.5	10.0	10.0	10.0	10.0	9.7	9.4
36.25°	13.8	13.0	12.3	11.5	11.0	10.4	10.0	10.0	10.0	9.9	9.6
35°	15.1	13.8	13.0	12.2	11.5	10.9	10.4	10.0	10.0	10.0	9.8



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	16.7	15.1	13.8	13.0	12.1	11.4	10.8	10.2	10.0	10.0	10.0
32.5°	18.3	16.6	14.9	13.7	12.8	11.9	11.3	10.6	10.0	10.0	10.0
31.25°	20.2	18.1	16.4	14.6	13.5	12.6	11.7	11.1	10.4	10.0	10.0
30°	22.7	19.8	17.8	16.0	14.2	13.3	12.3	11.5	10.8	10.2	10.0
28.75°	25.2	22.2	19.2	17.3	15.5	13.9	12.9	12.0	11.2	10.6	10.0
27.5°	27.6	24.5	21.4	18.7	16.7	14.8	13.5	12.5	11.6	10.9	10.2
26.25°	31.1	26.8	23.6	20.4	18.0	16.0	14.1	13.1	12.1	11.3	10.6
25°	34.5	29.7	25.7	22.4	19.2	17.1	15.1	13.6	12.6	11.6	10.9
23.75°	37.8	32.9	27.9	24.4	21.0	18.2	16.2	14.1	13.1	12.0	11.2
22.5°	41.6	35.9	30.8	26.3	22.8	19.4	17.2	15.1	13.6	12.5	11.5
21.25°	46.6	38.8	33.7	28.4	24.6	21.1	18.2	16.0	14.0	12.9	11.8
20°	51.5	42.8	36.4	31.0	26.3	22.7	19.1	16.9	14.7	13.3	12.2
18.75°	56.1	47.2	38.9	33.5	28.0	24.2	20.5	17.8	15.5	13.7	12.6
17.5°	60.5	51.4	42.3	35.8	30.3	25.6	21.9	18.6	16.3	14.1	13.0
16.25°	67.0	55.4	46.1	38.1	32.4	27.0	23.2	19.4	17.0	14.7	13.3
15°	73.2	59.1	49.7	40.2	34.4	28.6	24.4	20.6	17.7	15.4	13.6
13.75°	79.0	63.7	53.0	43.4	36.2	30.4	25.5	21.6	18.3	16.0	13.9
12.5°	84.4	68.9	56.1	46.4	37.9	32.0	26.6	22.6	18.9	16.5	14.2
11.25°	89.3	73.5	58.9	49.1	39.5	33.5	27.5	23.6	19.6	17.0	14.6
10°	93.7	77.8	61.9	51.5	41.5	34.9	28.8	24.4	20.4	17.5	15.0
8.75°	99.2	81.6	65.5	53.6	43.5	36.1	30.0	25.1	21.1	17.9	15.4
7.5°	104.2	84.9	68.6	55.5	45.4	37.1	31.0	25.7	21.7	18.2	15.8
6.25°	108.5	87.7	71.3	57.1	46.9	38.0	31.8	26.3	22.2	18.5	16.0
5°	112.0	90.0	73.5	58.4	48.1	38.7	32.5	26.7	22.6	18.8	16.3
3.75°	114.8	91.8	75.2	59.5	49.1	39.3	33.1	27.1	22.9	19.0	16.5
2.5°	116.7	93.1	76.5	60.2	49.8	39.7	33.4	27.3	23.2	19.1	16.6
1.25°	117.9	93.8	77.2	60.7	50.3	39.9	33.7	27.5	23.3	19.2	16.7
0°	118.3	94.1	77.5	60.8	50.4	40.0	33.8	27.5	23.4	19.2	16.7
-1.25°	117.9	93.8	77.2	60.7	50.3	39.9	33.7	27.5	23.3	19.2	16.7
-2.5°	116.7	93.1	76.5	60.2	49.8	39.7	33.4	27.3	23.2	19.1	16.6
-3.75°	114.8	91.8	75.2	59.5	49.1	39.3	33.1	27.1	22.9	19.0	16.5
-5°	112.0	90.0	73.5	58.4	48.1	38.7	32.5	26.7	22.6	18.8	16.3
-6.25°	108.5	87.7	71.3	57.1	46.9	38.0	31.8	26.3	22.2	18.5	16.0
-7.5°	104.2	84.9	68.6	55.5	45.4	37.1	31.0	25.7	21.7	18.2	15.8
-8.75°	99.2	81.6	65.5	53.6	43.5	36.1	30.0	25.1	21.1	17.9	15.4
-10°	93.7	77.8	61.9	51.5	41.5	34.9	28.8	24.4	20.4	17.5	15.0
-11.25°	89.3	73.5	58.9	49.1	39.5	33.5	27.5	23.6	19.6	17.0	14.6
-12.5°	84.4	68.9	56.1	46.4	37.9	32.0	26.6	22.6	18.9	16.5	14.2
-13.75°	79.0	63.7	53.0	43.4	36.2	30.4	25.5	21.6	18.3	16.0	13.9
-15°	73.2	59.1	49.7	40.2	34.4	28.6	24.4	20.6	17.7	15.4	13.6
-16.25°	67.0	55.4	46.1	38.1	32.4	27.0	23.2	19.4	17.0	14.7	13.3
-17.5°	60.5	51.4	42.3	35.8	30.3	25.6	21.9	18.6	16.3	14.1	13.0
-18.75°	56.1	47.2	38.9	33.5	28.0	24.2	20.5	17.8	15.5	13.7	12.6
-20°	51.5	42.8	36.4	31.0	26.3	22.7	19.1	16.9	14.7	13.3	12.2
-21.25°	46.6	38.8	33.7	28.4	24.6	21.1	18.2	16.0	14.0	12.9	11.8



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	41.6	35.9	30.8	26.3	22.8	19.4	17.2	15.1	13.6	12.5	11.5
-23.75°	37.8	32.9	27.9	24.4	21.0	18.2	16.2	14.1	13.1	12.0	11.2
-25°	34.5	29.7	25.7	22.4	19.2	17.1	15.1	13.6	12.6	11.6	10.9
-26.25°	31.1	26.8	23.6	20.4	18.0	16.0	14.1	13.1	12.1	11.3	10.6
-27.5°	27.6	24.5	21.4	18.7	16.7	14.8	13.5	12.5	11.6	10.9	10.2
-28.75°	25.2	22.2	19.2	17.3	15.5	13.9	12.9	12.0	11.2	10.6	10.0
-30°	22.7	19.8	17.8	16.0	14.2	13.3	12.3	11.5	10.8	10.2	10.0
-31.25°	20.2	18.1	16.4	14.6	13.5	12.6	11.7	11.1	10.4	10.0	10.0
-32.5°	18.3	16.6	14.9	13.7	12.8	11.9	11.3	10.6	10.0	10.0	10.0
-33.75°	16.7	15.1	13.8	13.0	12.1	11.4	10.8	10.2	10.0	10.0	10.0
-35°	15.1	13.8	13.0	12.2	11.5	10.9	10.4	10.0	10.0	10.0	9.8
-36.25°	13.8	13.0	12.3	11.5	11.0	10.4	10.0	10.0	10.0	9.9	9.6
-37.5°	13.0	12.2	11.5	11.0	10.5	10.0	10.0	10.0	10.0	9.7	9.4
-38.75°	12.1	11.5	11.0	10.5	10.0	10.0	10.0	10.0	9.8	9.5	9.2
-40°	11.4	10.9	10.4	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.0
-41.25°	10.8	10.4	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8
-42.5°	10.2	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8	8.5
-43.75°	10.0	10.0	10.0	10.0	9.8	9.6	9.3	9.1	8.8	8.6	8.3
-45°	10.0	10.0	9.9	9.7	9.5	9.3	9.1	8.8	8.6	8.3	8.1
-46.25°	10.0	9.8	9.6	9.4	9.2	9.0	8.8	8.5	8.3	8.1	7.8
-47.5°	9.7	9.6	9.4	9.2	8.9	8.7	8.5	8.3	8.0	7.8	7.6
-48.75°	9.4	9.3	9.1	8.9	8.6	8.4	8.2	8.0	7.8	7.6	7.4
-50°	9.1	8.9	8.7	8.5	8.3	8.1	7.9	7.8	7.6	7.4	7.1
-51.25°	8.8	8.6	8.4	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.9
-52.5°	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.9	6.7
-53.75°	8.1	8.0	7.8	7.7	7.5	7.3	7.1	7.0	6.8	6.7	6.7
-55°	7.8	7.7	7.5	7.4	7.2	7.0	6.9	6.7	6.7	6.7	6.7
-56.25°	7.5	7.4	7.2	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7
-57.5°	7.2	7.1	6.9	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.5
-58.75°	6.9	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.3	6.2
-60°	6.7	6.7	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.1	5.9
-61.25°	6.7	6.7	6.7	6.7	6.5	6.4	6.2	6.1	5.9	5.8	5.6
-62.5°	6.7	6.6	6.5	6.3	6.2	6.1	5.9	5.8	5.6	5.5	5.4
-63.75°	6.4	6.2	6.1	6.0	5.9	5.7	5.6	5.5	5.4	5.2	5.1
-65°	6.0	5.9	5.8	5.7	5.6	5.4	5.3	5.2	5.1	5.0	5.0
-66.25°	5.7	5.6	5.5	5.4	5.3	5.2	5.0	5.0	5.0	5.0	5.0
-67.5°	5.3	5.2	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0
-68.75°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8
-70°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.6
-71.25°	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3
-72.5°	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.1	4.0
-73.75°	4.5	4.4	4.4	4.3	4.2	4.2	4.1	4.0	3.9	3.8	3.7
-75°	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.6	3.5	3.4
-76.25°	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1
-77.5°	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9	2.9



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	3.1	3.0	3.0	2.9	2.9	2.9	2.8	2.7	2.7	2.6	2.6
-80°	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
-81.25°	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
-82.5°	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
-83.75°	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.5	1.5
-85°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1
-86.25°	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.8
-87.5°	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-88.75°	0.3	0.3	0.3	0.3	0.3	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: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
85°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
83.75°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0
82.5°	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
81.25°	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.5
80°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
78.75°	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9
77.5°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1
76.25°	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
75°	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5
73.75°	3.6	3.5	3.4	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7
72.5°	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9
71.25°	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1
70°	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.4	3.3
68.75°	4.7	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.6	3.5
67.5°	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7
66.25°	5.0	5.0	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
65°	5.0	5.0	5.0	5.0	5.0	4.8	4.7	4.5	4.4	4.3	4.1
63.75°	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.4	4.3
62.5°	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.5
61.25°	5.5	5.3	5.2	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.7
60°	5.7	5.6	5.4	5.2	5.1	5.0	5.0	5.0	5.0	5.0	4.8
58.75°	6.0	5.8	5.6	5.5	5.3	5.1	5.0	5.0	5.0	5.0	5.0
57.5°	6.3	6.1	5.9	5.7	5.5	5.3	5.1	5.0	5.0	5.0	5.0
56.25°	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.0	5.0	5.0
55°	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3	5.1	5.0	5.0
53.75°	6.7	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3	5.1	5.0
52.5°	6.7	6.7	6.7	6.7	6.4	6.2	6.0	5.7	5.5	5.3	5.1
51.25°	6.7	6.7	6.7	6.7	6.7	6.4	6.2	5.9	5.7	5.5	5.2
50°	6.9	6.7	6.7	6.7	6.7	6.6	6.4	6.1	5.9	5.6	5.4
48.75°	7.2	6.9	6.7	6.7	6.7	6.7	6.6	6.3	6.1	5.8	5.6
47.5°	7.4	7.2	6.9	6.7	6.7	6.7	6.7	6.5	6.3	6.0	5.7
46.25°	7.6	7.4	7.1	6.9	6.7	6.7	6.7	6.7	6.5	6.2	5.9
45°	7.8	7.6	7.4	7.1	6.9	6.7	6.7	6.7	6.6	6.3	6.1
43.75°	8.0	7.8	7.6	7.3	7.0	6.8	6.7	6.7	6.7	6.5	6.2
42.5°	8.3	8.0	7.8	7.5	7.2	7.0	6.7	6.7	6.7	6.7	6.4
41.25°	8.5	8.2	7.9	7.7	7.4	7.1	6.9	6.7	6.7	6.7	6.5
40°	8.7	8.4	8.1	7.9	7.6	7.3	7.0	6.8	6.7	6.7	6.7
38.75°	8.9	8.6	8.3	8.1	7.8	7.5	7.2	6.9	6.7	6.7	6.7
37.5°	9.2	8.9	8.5	8.2	7.9	7.7	7.4	7.1	6.8	6.7	6.7
36.25°	9.4	9.1	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.7	6.7
35°	9.6	9.3	8.9	8.6	8.3	8.0	7.7	7.4	7.1	6.7	6.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	9.7	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.9	6.7
32.5°	9.9	9.6	9.3	9.0	8.6	8.3	8.0	7.6	7.3	7.0	6.7
31.25°	10.0	9.8	9.5	9.1	8.8	8.4	8.1	7.8	7.5	7.1	6.8
30°	10.0	9.9	9.6	9.3	9.0	8.6	8.2	7.9	7.6	7.2	6.9
28.75°	10.0	10.0	9.8	9.5	9.1	8.7	8.4	8.0	7.7	7.4	7.0
27.5°	10.0	10.0	9.9	9.6	9.3	8.9	8.5	8.1	7.8	7.5	7.1
26.25°	10.0	10.0	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.6	7.2
25°	10.2	10.0	10.0	9.9	9.5	9.2	8.8	8.4	8.0	7.7	7.3
23.75°	10.5	10.0	10.0	10.0	9.6	9.3	8.9	8.5	8.1	7.8	7.4
22.5°	10.8	10.0	10.0	10.0	9.8	9.4	9.0	8.6	8.2	7.9	7.5
21.25°	11.0	10.3	10.0	10.0	9.9	9.5	9.1	8.7	8.3	8.0	7.6
20°	11.3	10.5	10.0	10.0	10.0	9.6	9.2	8.8	8.4	8.0	7.7
18.75°	11.5	10.8	10.0	10.0	10.0	9.7	9.3	8.9	8.5	8.1	7.7
17.5°	11.8	11.0	10.2	10.0	10.0	9.8	9.4	9.0	8.6	8.2	7.8
16.25°	12.1	11.2	10.4	10.0	10.0	9.9	9.5	9.1	8.7	8.3	7.9
15°	12.4	11.4	10.6	10.0	10.0	9.9	9.6	9.2	8.8	8.3	7.9
13.75°	12.7	11.6	10.8	10.0	10.0	10.0	9.6	9.3	8.8	8.4	8.0
12.5°	13.0	11.8	10.9	10.1	10.0	10.0	9.7	9.3	8.9	8.5	8.1
11.25°	13.2	12.0	11.1	10.3	10.0	10.0	9.8	9.4	8.9	8.5	8.1
10°	13.4	12.2	11.2	10.4	10.0	10.0	9.8	9.4	9.0	8.6	8.1
8.75°	13.6	12.4	11.3	10.5	10.0	10.0	9.9	9.5	9.0	8.6	8.2
7.5°	13.8	12.5	11.4	10.6	10.0	10.0	9.9	9.5	9.1	8.6	8.2
6.25°	13.9	12.7	11.5	10.7	10.0	10.0	9.9	9.5	9.1	8.7	8.2
5°	14.0	12.8	11.6	10.7	10.0	10.0	10.0	9.6	9.2	8.7	8.3
3.75°	14.1	12.8	11.6	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
2.5°	14.2	12.9	11.7	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
1.25°	14.2	12.9	11.7	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
0°	14.2	13.0	11.7	10.9	10.0	10.0	10.0	9.6	9.2	8.8	8.3
-1.25°	14.2	12.9	11.7	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
-2.5°	14.2	12.9	11.7	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
-3.75°	14.1	12.8	11.6	10.8	10.0	10.0	10.0	9.6	9.2	8.7	8.3
-5°	14.0	12.8	11.6	10.7	10.0	10.0	10.0	9.6	9.2	8.7	8.3
-6.25°	13.9	12.7	11.5	10.7	10.0	10.0	9.9	9.5	9.1	8.7	8.2
-7.5°	13.8	12.5	11.4	10.6	10.0	10.0	9.9	9.5	9.1	8.6	8.2
-8.75°	13.6	12.4	11.3	10.5	10.0	10.0	9.9	9.5	9.0	8.6	8.2
-10°	13.4	12.2	11.2	10.4	10.0	10.0	9.8	9.4	9.0	8.6	8.1
-11.25°	13.2	12.0	11.1	10.3	10.0	10.0	9.8	9.4	8.9	8.5	8.1
-12.5°	13.0	11.8	10.9	10.1	10.0	10.0	9.7	9.3	8.9	8.5	8.1
-13.75°	12.7	11.6	10.8	10.0	10.0	10.0	9.6	9.3	8.8	8.4	8.0
-15°	12.4	11.4	10.6	10.0	10.0	9.9	9.6	9.2	8.8	8.3	7.9
-16.25°	12.1	11.2	10.4	10.0	10.0	9.9	9.5	9.1	8.7	8.3	7.9
-17.5°	11.8	11.0	10.2	10.0	10.0	9.8	9.4	9.0	8.6	8.2	7.8
-18.75°	11.5	10.8	10.0	10.0	10.0	9.7	9.3	8.9	8.5	8.1	7.7
-20°	11.3	10.5	10.0	10.0	10.0	9.6	9.2	8.8	8.4	8.0	7.7
-21.25°	11.0	10.3	10.0	10.0	9.9	9.5	9.1	8.7	8.3	8.0	7.6



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	10.8	10.0	10.0	10.0	9.8	9.4	9.0	8.6	8.2	7.9	7.5
-23.75°	10.5	10.0	10.0	10.0	9.6	9.3	8.9	8.5	8.1	7.8	7.4
-25°	10.2	10.0	10.0	9.9	9.5	9.2	8.8	8.4	8.0	7.7	7.3
-26.25°	10.0	10.0	10.0	9.7	9.4	9.0	8.6	8.3	7.9	7.6	7.2
-27.5°	10.0	10.0	9.9	9.6	9.3	8.9	8.5	8.1	7.8	7.5	7.1
-28.75°	10.0	10.0	9.8	9.5	9.1	8.7	8.4	8.0	7.7	7.4	7.0
-30°	10.0	9.9	9.6	9.3	9.0	8.6	8.2	7.9	7.6	7.2	6.9
-31.25°	10.0	9.8	9.5	9.1	8.8	8.4	8.1	7.8	7.5	7.1	6.8
-32.5°	9.9	9.6	9.3	9.0	8.6	8.3	8.0	7.6	7.3	7.0	6.7
-33.75°	9.7	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.9	6.7
-35°	9.6	9.3	8.9	8.6	8.3	8.0	7.7	7.4	7.1	6.7	6.7
-36.25°	9.4	9.1	8.7	8.4	8.1	7.8	7.5	7.2	6.9	6.7	6.7
-37.5°	9.2	8.9	8.5	8.2	7.9	7.7	7.4	7.1	6.8	6.7	6.7
-38.75°	8.9	8.6	8.3	8.1	7.8	7.5	7.2	6.9	6.7	6.7	6.7
-40°	8.7	8.4	8.1	7.9	7.6	7.3	7.0	6.8	6.7	6.7	6.7
-41.25°	8.5	8.2	7.9	7.7	7.4	7.1	6.9	6.7	6.7	6.7	6.5
-42.5°	8.3	8.0	7.8	7.5	7.2	7.0	6.7	6.7	6.7	6.7	6.4
-43.75°	8.0	7.8	7.6	7.3	7.0	6.8	6.7	6.7	6.7	6.5	6.2
-45°	7.8	7.6	7.4	7.1	6.9	6.7	6.7	6.7	6.6	6.3	6.1
-46.25°	7.6	7.4	7.1	6.9	6.7	6.7	6.7	6.7	6.5	6.2	5.9
-47.5°	7.4	7.2	6.9	6.7	6.7	6.7	6.7	6.5	6.3	6.0	5.7
-48.75°	7.2	6.9	6.7	6.7	6.7	6.7	6.6	6.3	6.1	5.8	5.6
-50°	6.9	6.7	6.7	6.7	6.7	6.6	6.4	6.1	5.9	5.6	5.4
-51.25°	6.7	6.7	6.7	6.7	6.7	6.4	6.2	5.9	5.7	5.5	5.2
-52.5°	6.7	6.7	6.7	6.7	6.4	6.2	6.0	5.7	5.5	5.3	5.1
-53.75°	6.7	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3	5.1	5.0
-55°	6.7	6.6	6.4	6.2	6.0	5.7	5.5	5.3	5.1	5.0	5.0
-56.25°	6.5	6.3	6.1	5.9	5.7	5.5	5.3	5.2	5.0	5.0	5.0
-57.5°	6.3	6.1	5.9	5.7	5.5	5.3	5.1	5.0	5.0	5.0	5.0
-58.75°	6.0	5.8	5.6	5.5	5.3	5.1	5.0	5.0	5.0	5.0	5.0
-60°	5.7	5.6	5.4	5.2	5.1	5.0	5.0	5.0	5.0	5.0	4.8
-61.25°	5.5	5.3	5.2	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.7
-62.5°	5.2	5.1	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.6	4.5
-63.75°	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.6	4.4	4.3
-65°	5.0	5.0	5.0	5.0	5.0	4.8	4.7	4.5	4.4	4.3	4.1
-66.25°	5.0	5.0	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.0	3.9
-67.5°	5.0	4.9	4.8	4.6	4.5	4.4	4.3	4.1	4.0	3.8	3.7
-68.75°	4.7	4.6	4.5	4.4	4.3	4.2	4.0	3.9	3.7	3.6	3.5
-70°	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.6	3.5	3.4	3.3
-71.25°	4.2	4.1	4.0	3.9	3.8	3.6	3.5	3.4	3.3	3.2	3.1
-72.5°	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9
-73.75°	3.6	3.5	3.4	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7
-75°	3.3	3.2	3.2	3.1	3.0	2.9	2.8	2.7	2.7	2.6	2.5
-76.25°	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4	2.4	2.3
-77.5°	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.2	2.1



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	2.5	2.5	2.4	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9
-80°	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
-81.25°	2.0	1.9	1.9	1.8	1.8	1.8	1.7	1.6	1.6	1.5	1.5
-82.5°	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.3	1.3	1.2
-83.75°	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0
-85°	1.1	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8
-86.25°	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.6
-87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
-88.75°	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
83.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
81.25°	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8
80°	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
78.75°	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0
77.5°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.2
76.25°	2.2	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3
75°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
73.75°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
72.5°	2.8	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6
71.25°	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8
70°	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.9
68.75°	3.3	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0
67.5°	3.5	3.4	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1
66.25°	3.7	3.6	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2
65°	3.9	3.8	3.6	3.4	3.2	3.1	2.9	2.8	2.6	2.4	2.3
63.75°	4.1	3.9	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.4
62.5°	4.3	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.7	2.5
61.25°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8	2.6
60°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
58.75°	4.8	4.6	4.4	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
57.5°	5.0	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9
56.25°	5.0	5.0	4.8	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
55°	5.0	5.0	4.9	4.7	4.5	4.3	4.0	3.8	3.5	3.3	3.1
53.75°	5.0	5.0	5.0	4.8	4.6	4.4	4.2	3.9	3.6	3.4	3.1
52.5°	5.0	5.0	5.0	5.0	4.7	4.5	4.3	4.0	3.8	3.5	3.2
51.25°	5.0	5.0	5.0	5.0	4.9	4.6	4.4	4.2	3.9	3.6	3.3
50°	5.2	5.0	5.0	5.0	5.0	4.8	4.5	4.3	4.0	3.7	3.4
48.75°	5.3	5.1	5.0	5.0	5.0	4.9	4.6	4.4	4.1	3.8	3.5
47.5°	5.5	5.2	5.0	5.0	5.0	5.0	4.7	4.5	4.2	3.9	3.6
46.25°	5.6	5.4	5.1	5.0	5.0	5.0	4.8	4.6	4.3	4.0	3.7
45°	5.8	5.5	5.2	5.0	5.0	5.0	5.0	4.7	4.4	4.1	3.8
43.75°	5.9	5.6	5.4	5.1	5.0	5.0	5.0	4.8	4.5	4.2	3.9
42.5°	6.1	5.8	5.5	5.2	5.0	5.0	5.0	4.9	4.6	4.3	4.0
41.25°	6.2	5.9	5.6	5.3	5.0	5.0	5.0	5.0	4.7	4.4	4.1
40°	6.4	6.1	5.7	5.4	5.2	5.0	5.0	5.0	4.8	4.5	4.2
38.75°	6.5	6.2	5.9	5.6	5.3	5.0	5.0	5.0	4.8	4.5	4.2
37.5°	6.7	6.3	6.0	5.7	5.4	5.1	5.0	5.0	4.9	4.6	4.3
36.25°	6.7	6.5	6.1	5.8	5.5	5.2	5.0	5.0	5.0	4.7	4.4
35°	6.7	6.6	6.2	5.9	5.6	5.2	5.0	5.0	5.0	4.8	4.4



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°
33.75°	6.7	6.7	6.4	6.0	5.7	5.3	5.0	5.0	5.0	4.8	4.5
32.5°	6.7	6.7	6.5	6.1	5.8	5.4	5.1	5.0	5.0	4.9	4.6
31.25°	6.7	6.7	6.6	6.2	5.9	5.5	5.2	5.0	5.0	5.0	4.6
30°	6.7	6.7	6.7	6.3	5.9	5.6	5.3	5.0	5.0	5.0	4.7
28.75°	6.7	6.7	6.7	6.4	6.0	5.7	5.3	5.0	5.0	5.0	4.7
27.5°	6.8	6.7	6.7	6.5	6.1	5.7	5.4	5.1	5.0	5.0	4.8
26.25°	6.9	6.7	6.7	6.6	6.2	5.8	5.5	5.1	5.0	5.0	4.9
25°	7.0	6.7	6.7	6.7	6.3	5.9	5.5	5.2	5.0	5.0	4.9
23.75°	7.1	6.7	6.7	6.7	6.4	6.0	5.6	5.2	5.0	5.0	4.9
22.5°	7.1	6.8	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0	5.0
21.25°	7.2	6.9	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0	5.0
20°	7.3	6.9	6.7	6.7	6.6	6.2	5.8	5.4	5.0	5.0	5.0
18.75°	7.4	7.0	6.7	6.7	6.7	6.2	5.8	5.4	5.1	5.0	5.0
17.5°	7.4	7.1	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.0
16.25°	7.5	7.1	6.7	6.7	6.7	6.4	5.9	5.5	5.2	5.0	5.0
15°	7.6	7.2	6.8	6.7	6.7	6.4	6.0	5.6	5.2	5.0	5.0
13.75°	7.6	7.2	6.8	6.7	6.7	6.5	6.0	5.6	5.2	5.0	5.0
12.5°	7.7	7.3	6.9	6.7	6.7	6.5	6.1	5.6	5.3	5.0	5.0
11.25°	7.7	7.3	6.9	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0
10°	7.7	7.4	7.0	6.7	6.7	6.6	6.1	5.7	5.3	5.0	5.0
8.75°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.7	5.3	5.0	5.0
7.5°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.7	5.3	5.0	5.0
6.25°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.8	5.4	5.0	5.0
5°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
3.75°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
2.5°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
1.25°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
0°	7.9	7.5	7.1	6.7	6.7	6.7	6.3	5.8	5.4	5.0	5.0
-1.25°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
-2.5°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
-3.75°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
-5°	7.9	7.5	7.1	6.7	6.7	6.7	6.2	5.8	5.4	5.0	5.0
-6.25°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.8	5.4	5.0	5.0
-7.5°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.7	5.3	5.0	5.0
-8.75°	7.8	7.4	7.0	6.7	6.7	6.6	6.2	5.7	5.3	5.0	5.0
-10°	7.7	7.4	7.0	6.7	6.7	6.6	6.1	5.7	5.3	5.0	5.0
-11.25°	7.7	7.3	6.9	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0
-12.5°	7.7	7.3	6.9	6.7	6.7	6.5	6.1	5.6	5.3	5.0	5.0
-13.75°	7.6	7.2	6.8	6.7	6.7	6.5	6.0	5.6	5.2	5.0	5.0
-15°	7.6	7.2	6.8	6.7	6.7	6.4	6.0	5.6	5.2	5.0	5.0
-16.25°	7.5	7.1	6.7	6.7	6.7	6.4	5.9	5.5	5.2	5.0	5.0
-17.5°	7.4	7.1	6.7	6.7	6.7	6.3	5.9	5.5	5.1	5.0	5.0
-18.75°	7.4	7.0	6.7	6.7	6.7	6.2	5.8	5.4	5.1	5.0	5.0
-20°	7.3	6.9	6.7	6.7	6.6	6.2	5.8	5.4	5.0	5.0	5.0
-21.25°	7.2	6.9	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0	5.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°
-22.5°	7.1	6.8	6.7	6.7	6.5	6.1	5.7	5.3	5.0	5.0	5.0
-23.75°	7.1	6.7	6.7	6.7	6.4	6.0	5.6	5.2	5.0	5.0	4.9
-25°	7.0	6.7	6.7	6.7	6.3	5.9	5.5	5.2	5.0	5.0	4.9
-26.25°	6.9	6.7	6.7	6.6	6.2	5.8	5.5	5.1	5.0	5.0	4.9
-27.5°	6.8	6.7	6.7	6.5	6.1	5.7	5.4	5.1	5.0	5.0	4.8
-28.75°	6.7	6.7	6.7	6.4	6.0	5.7	5.3	5.0	5.0	5.0	4.7
-30°	6.7	6.7	6.7	6.3	5.9	5.6	5.3	5.0	5.0	5.0	4.7
-31.25°	6.7	6.7	6.6	6.2	5.9	5.5	5.2	5.0	5.0	5.0	4.6
-32.5°	6.7	6.7	6.5	6.1	5.8	5.4	5.1	5.0	5.0	4.9	4.6
-33.75°	6.7	6.7	6.4	6.0	5.7	5.3	5.0	5.0	5.0	4.8	4.5
-35°	6.7	6.6	6.2	5.9	5.6	5.2	5.0	5.0	5.0	4.8	4.4
-36.25°	6.7	6.5	6.1	5.8	5.5	5.2	5.0	5.0	5.0	4.7	4.4
-37.5°	6.7	6.3	6.0	5.7	5.4	5.1	5.0	5.0	4.9	4.6	4.3
-38.75°	6.5	6.2	5.9	5.6	5.3	5.0	5.0	5.0	4.8	4.5	4.2
-40°	6.4	6.1	5.7	5.4	5.2	5.0	5.0	5.0	4.8	4.5	4.2
-41.25°	6.2	5.9	5.6	5.3	5.0	5.0	5.0	5.0	4.7	4.4	4.1
-42.5°	6.1	5.8	5.5	5.2	5.0	5.0	5.0	4.9	4.6	4.3	4.0
-43.75°	5.9	5.6	5.4	5.1	5.0	5.0	5.0	4.8	4.5	4.2	3.9
-45°	5.8	5.5	5.2	5.0	5.0	5.0	5.0	4.7	4.4	4.1	3.8
-46.25°	5.6	5.4	5.1	5.0	5.0	5.0	4.8	4.6	4.3	4.0	3.7
-47.5°	5.5	5.2	5.0	5.0	5.0	5.0	4.7	4.5	4.2	3.9	3.6
-48.75°	5.3	5.1	5.0	5.0	5.0	4.9	4.6	4.4	4.1	3.8	3.5
-50°	5.2	5.0	5.0	5.0	5.0	4.8	4.5	4.3	4.0	3.7	3.4
-51.25°	5.0	5.0	5.0	5.0	4.9	4.6	4.4	4.2	3.9	3.6	3.3
-52.5°	5.0	5.0	5.0	5.0	4.7	4.5	4.3	4.0	3.8	3.5	3.2
-53.75°	5.0	5.0	5.0	4.8	4.6	4.4	4.2	3.9	3.6	3.4	3.1
-55°	5.0	5.0	4.9	4.7	4.5	4.3	4.0	3.8	3.5	3.3	3.1
-56.25°	5.0	5.0	4.8	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0
-57.5°	5.0	4.8	4.6	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9
-58.75°	4.8	4.6	4.4	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.8
-60°	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7
-61.25°	4.5	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.8	2.6
-62.5°	4.3	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.7	2.5
-63.75°	4.1	3.9	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.4
-65°	3.9	3.8	3.6	3.4	3.2	3.1	2.9	2.8	2.6	2.4	2.3
-66.25°	3.7	3.6	3.4	3.2	3.1	2.9	2.8	2.6	2.5	2.3	2.2
-67.5°	3.5	3.4	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1
-68.75°	3.3	3.2	3.1	2.9	2.8	2.7	2.5	2.4	2.2	2.1	2.0
-70°	3.1	3.0	2.9	2.8	2.6	2.5	2.4	2.2	2.1	2.0	1.9
-71.25°	2.9	2.8	2.7	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8
-72.5°	2.8	2.7	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6
-73.75°	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.6	1.5
-75°	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4
-76.25°	2.2	2.1	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-77.5°	2.0	1.9	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.2



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°
-78.75°	1.8	1.8	1.7	1.6	1.5	1.4	1.4	1.3	1.2	1.1	1.0
-80°	1.6	1.6	1.5	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.9
-81.25°	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9	0.8	0.8
-82.5°	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7	0.7
-83.75°	1.0	0.9	0.9	0.8	0.8	0.8	0.7	0.7	0.6	0.6	0.6
-85°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
-86.25°	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3
-87.5°	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°
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°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
78.75°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
77.5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2
76.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
75°	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
73.75°	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
72.5°	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
71.25°	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.6	0.5	0.4	0.3
70°	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.5	0.4	0.3
68.75°	1.8	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.5°	1.9	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.6	0.5	0.3
66.25°	2.0	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.5	0.3
65°	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
63.75°	2.2	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.4
62.5°	2.3	2.1	1.9	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.4
61.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
60°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
58.75°	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.8	0.6	0.4
57.5°	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.6	0.4
56.25°	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.1	0.9	0.7	0.4
55°	2.8	2.6	2.4	2.2	1.9	1.7	1.4	1.2	0.9	0.7	0.5
53.75°	2.9	2.7	2.5	2.2	2.0	1.8	1.5	1.2	1.0	0.7	0.5
52.5°	3.0	2.8	2.5	2.3	2.0	1.8	1.5	1.3	1.0	0.7	0.5
51.25°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
50°	3.2	2.9	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
48.75°	3.2	3.0	2.7	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.5
47.5°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.5
46.25°	3.4	3.1	2.9	2.6	2.3	2.0	1.8	1.5	1.1	0.8	0.6
45°	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
43.75°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
42.5°	3.7	3.3	3.0	2.7	2.5	2.2	1.9	1.6	1.2	0.9	0.6
41.25°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.6
40°	3.8	3.5	3.2	2.9	2.5	2.2	1.9	1.6	1.3	0.9	0.6
38.75°	3.9	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
37.5°	4.0	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
36.25°	4.0	3.7	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.6
35°	4.1	3.7	3.4	3.0	2.7	2.4	2.1	1.7	1.4	1.0	0.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	4.2	3.8	3.4	3.1	2.8	2.4	2.1	1.8	1.4	1.0	0.7
32.5°	4.2	3.9	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.0	0.7
31.25°	4.3	3.9	3.5	3.2	2.8	2.5	2.2	1.8	1.4	1.1	0.7
30°	4.3	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.5	1.1	0.7
28.75°	4.4	4.0	3.6	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
27.5°	4.4	4.1	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
26.25°	4.5	4.1	3.7	3.3	3.0	2.6	2.3	1.9	1.5	1.1	0.7
25°	4.5	4.2	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
23.75°	4.6	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.7
22.5°	4.6	4.3	3.9	3.4	3.1	2.7	2.3	1.9	1.6	1.1	0.7
21.25°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.7
20°	4.7	4.3	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
18.75°	4.7	4.4	4.0	3.5	3.1	2.8	2.4	2.0	1.6	1.2	0.8
17.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
16.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
15°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
13.75°	4.9	4.5	4.1	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
12.5°	4.9	4.5	4.1	3.7	3.2	2.8	2.4	2.1	1.7	1.2	0.8
11.25°	4.9	4.5	4.1	3.7	3.2	2.8	2.5	2.1	1.7	1.2	0.8
10°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
8.75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
7.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
6.25°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
3.75°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
2.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
1.25°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
0°	5.0	4.6	4.2	3.8	3.3	2.9	2.5	2.1	1.7	1.3	0.8
-1.25°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-2.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-3.75°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-6.25°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-7.5°	5.0	4.6	4.2	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-8.75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-10°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-11.25°	4.9	4.5	4.1	3.7	3.2	2.8	2.5	2.1	1.7	1.2	0.8
-12.5°	4.9	4.5	4.1	3.7	3.2	2.8	2.4	2.1	1.7	1.2	0.8
-13.75°	4.9	4.5	4.1	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-15°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-16.25°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-17.5°	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
-18.75°	4.7	4.4	4.0	3.5	3.1	2.8	2.4	2.0	1.6	1.2	0.8
-20°	4.7	4.3	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
-21.25°	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.7



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	4.6	4.3	3.9	3.4	3.1	2.7	2.3	1.9	1.6	1.1	0.7
-23.75°	4.6	4.2	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.7
-25°	4.5	4.2	3.8	3.4	3.0	2.6	2.3	1.9	1.5	1.1	0.7
-26.25°	4.5	4.1	3.7	3.3	3.0	2.6	2.3	1.9	1.5	1.1	0.7
-27.5°	4.4	4.1	3.7	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
-28.75°	4.4	4.0	3.6	3.3	2.9	2.6	2.2	1.9	1.5	1.1	0.7
-30°	4.3	4.0	3.6	3.2	2.9	2.5	2.2	1.8	1.5	1.1	0.7
-31.25°	4.3	3.9	3.5	3.2	2.8	2.5	2.2	1.8	1.4	1.1	0.7
-32.5°	4.2	3.9	3.5	3.1	2.8	2.5	2.1	1.8	1.4	1.0	0.7
-33.75°	4.2	3.8	3.4	3.1	2.8	2.4	2.1	1.8	1.4	1.0	0.7
-35°	4.1	3.7	3.4	3.0	2.7	2.4	2.1	1.7	1.4	1.0	0.7
-36.25°	4.0	3.7	3.3	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.6
-37.5°	4.0	3.6	3.3	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
-38.75°	3.9	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.3	1.0	0.6
-40°	3.8	3.5	3.2	2.9	2.5	2.2	1.9	1.6	1.3	0.9	0.6
-41.25°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.6
-42.5°	3.7	3.3	3.0	2.7	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-43.75°	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-45°	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
-46.25°	3.4	3.1	2.9	2.6	2.3	2.0	1.8	1.5	1.1	0.8	0.6
-47.5°	3.3	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.5
-48.75°	3.2	3.0	2.7	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.5
-50°	3.2	2.9	2.7	2.4	2.2	1.9	1.6	1.3	1.1	0.8	0.5
-51.25°	3.1	2.8	2.6	2.3	2.1	1.8	1.6	1.3	1.0	0.8	0.5
-52.5°	3.0	2.8	2.5	2.3	2.0	1.8	1.5	1.3	1.0	0.7	0.5
-53.75°	2.9	2.7	2.5	2.2	2.0	1.8	1.5	1.2	1.0	0.7	0.5
-55°	2.8	2.6	2.4	2.2	1.9	1.7	1.4	1.2	0.9	0.7	0.5
-56.25°	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.1	0.9	0.7	0.4
-57.5°	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.6	0.4
-58.75°	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.8	0.6	0.4
-60°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-61.25°	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
-62.5°	2.3	2.1	1.9	1.8	1.6	1.4	1.1	0.9	0.7	0.6	0.4
-63.75°	2.2	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-65°	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-66.25°	2.0	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.5	0.3
-67.5°	1.9	1.8	1.6	1.4	1.3	1.1	0.9	0.8	0.6	0.5	0.3
-68.75°	1.8	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.6	0.4	0.3
-70°	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.5	0.4	0.3
-71.25°	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.6	0.5	0.4	0.3
-72.5°	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.5	0.4	0.2
-73.75°	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.6	0.4	0.3	0.2
-75°	1.3	1.2	1.1	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-76.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-77.5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.3	0.2



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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°	0.9	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2
-80°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-81.25°	0.7	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1
-82.5°	0.6	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1
-83.75°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.1	0.1
-85°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-86.25°	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1
-87.5°	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.0
-88.75°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	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: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.0	0.0
83.75°	0.0	0.0
82.5°	0.1	0.0
81.25°	0.1	0.0
80°	0.1	0.0
78.75°	0.1	0.0
77.5°	0.1	0.0
76.25°	0.1	0.0
75°	0.1	0.0
73.75°	0.1	0.0
72.5°	0.1	0.0
71.25°	0.1	0.0
70°	0.1	0.0
68.75°	0.1	0.0
67.5°	0.2	0.0
66.25°	0.2	0.0
65°	0.2	0.0
63.75°	0.2	0.0
62.5°	0.2	0.0
61.25°	0.2	0.0
60°	0.2	0.0
58.75°	0.2	0.0
57.5°	0.2	0.0
56.25°	0.2	0.0
55°	0.2	0.0
53.75°	0.2	0.0
52.5°	0.2	0.0
51.25°	0.3	0.0
50°	0.3	0.0
48.75°	0.3	0.0
47.5°	0.3	0.0
46.25°	0.3	0.0
45°	0.3	0.0
43.75°	0.3	0.0
42.5°	0.3	0.0
41.25°	0.3	0.0
40°	0.3	0.0
38.75°	0.3	0.0
37.5°	0.3	0.0
36.25°	0.3	0.0
35°	0.3	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.3	0.0
32.5°	0.3	0.0
31.25°	0.3	0.0
30°	0.3	0.0
28.75°	0.4	0.0
27.5°	0.4	0.0
26.25°	0.4	0.0
25°	0.4	0.0
23.75°	0.4	0.0
22.5°	0.4	0.0
21.25°	0.4	0.0
20°	0.4	0.0
18.75°	0.4	0.0
17.5°	0.4	0.0
16.25°	0.4	0.0
15°	0.4	0.0
13.75°	0.4	0.0
12.5°	0.4	0.0
11.25°	0.4	0.0
10°	0.4	0.0
8.75°	0.4	0.0
7.5°	0.4	0.0
6.25°	0.4	0.0
5°	0.4	0.0
3.75°	0.4	0.0
2.5°	0.4	0.0
1.25°	0.4	0.0
0°	0.4	0.0
-1.25°	0.4	0.0
-2.5°	0.4	0.0
-3.75°	0.4	0.0
-5°	0.4	0.0
-6.25°	0.4	0.0
-7.5°	0.4	0.0
-8.75°	0.4	0.0
-10°	0.4	0.0
-11.25°	0.4	0.0
-12.5°	0.4	0.0
-13.75°	0.4	0.0
-15°	0.4	0.0
-16.25°	0.4	0.0
-17.5°	0.4	0.0
-18.75°	0.4	0.0
-20°	0.4	0.0
-21.25°	0.4	0.0



REPORT NUMBER: P220328 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.4	0.0
-23.75°	0.4	0.0
-25°	0.4	0.0
-26.25°	0.4	0.0
-27.5°	0.4	0.0
-28.75°	0.4	0.0
-30°	0.3	0.0
-31.25°	0.3	0.0
-32.5°	0.3	0.0
-33.75°	0.3	0.0
-35°	0.3	0.0
-36.25°	0.3	0.0
-37.5°	0.3	0.0
-38.75°	0.3	0.0
-40°	0.3	0.0
-41.25°	0.3	0.0
-42.5°	0.3	0.0
-43.75°	0.3	0.0
-45°	0.3	0.0
-46.25°	0.3	0.0
-47.5°	0.3	0.0
-48.75°	0.3	0.0
-50°	0.3	0.0
-51.25°	0.3	0.0
-52.5°	0.2	0.0
-53.75°	0.2	0.0
-55°	0.2	0.0
-56.25°	0.2	0.0
-57.5°	0.2	0.0
-58.75°	0.2	0.0
-60°	0.2	0.0
-61.25°	0.2	0.0
-62.5°	0.2	0.0
-63.75°	0.2	0.0
-65°	0.2	0.0
-66.25°	0.2	0.0
-67.5°	0.2	0.0
-68.75°	0.1	0.0
-70°	0.1	0.0
-71.25°	0.1	0.0
-72.5°	0.1	0.0
-73.75°	0.1	0.0
-75°	0.1	0.0
-76.25°	0.1	0.0
-77.5°	0.1	0.0



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CATALOG NUMBER: 1002-[A1, P1, S1, SU1]-[RW, RI]-LED4097-F-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°	0.0	0.0
-85°	0.0	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)