

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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV**

Issue Date: 3/3/2020

Test Information

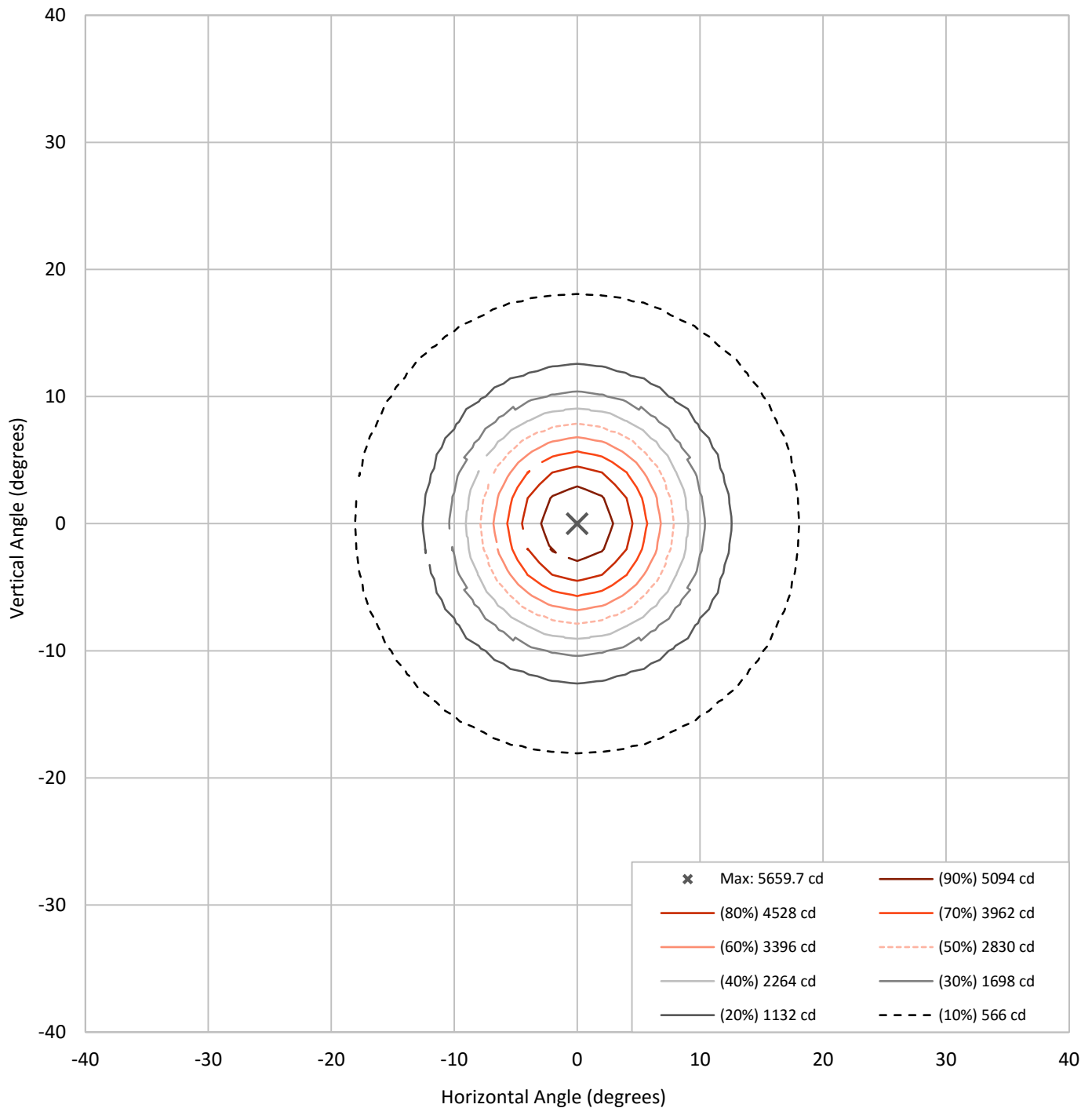
Test Method: LM-79-08
Report Number: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29468)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS, SPOT
OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	771.9 lumens	Max Intensity:	5659.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	78.8 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	15.8°H x 15.8°V	Field Angle (10%):	36.1°H x 36.1°V
Beam Lumens:	235.5 lumens	Field Lumens:	519.7 lumens
Beam Efficiency:	30.5%	Field Efficiency:	67.3%
Input Watts (W):	9.8		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





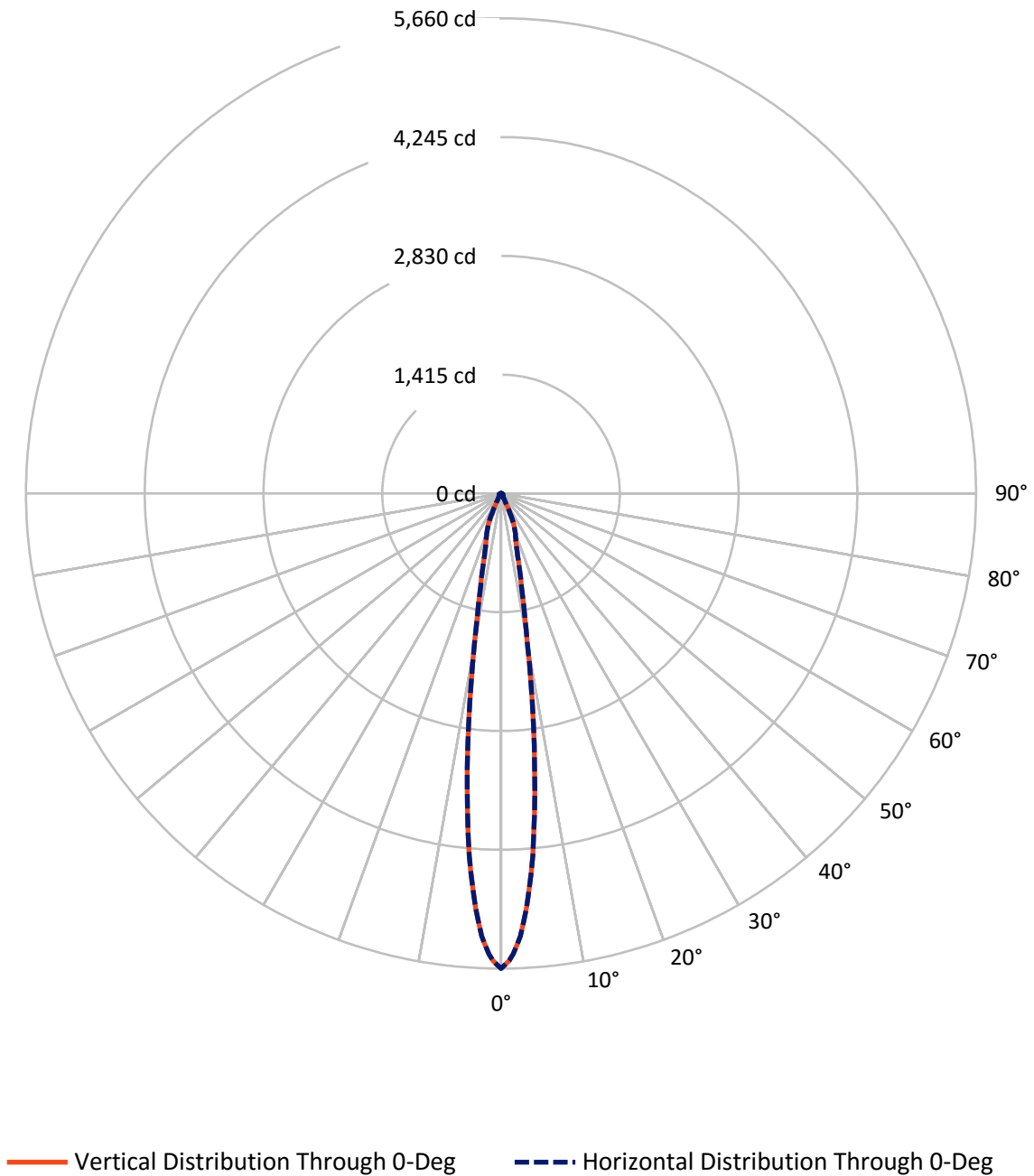
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Lumen Table

90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
80	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
70	0.1	0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.1	0.1			
60		0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1				
50	0.1	0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1	0.1			
40		0.2	0.4	0.6	0.7	0.9	1.0	1.2	1.2	1.0	0.9	0.7	0.6	0.4	0.2				
30	0.2	0.2	0.5	0.6	0.8	1.1	2.9	6.6	6.6	2.9	1.1	0.8	0.6	0.5	0.2	0.2			
20		0.2	0.5	0.7	0.9	2.7	12.6	23.3	23.3	12.6	2.7	0.9	0.7	0.5	0.2				
10	0.2	0.3	0.5	0.7	1.0	6.1	22.7	90.5	90.5	22.7	6.1	1.0	0.7	0.5	0.3	0.2			
0		0.3	0.5	0.7	1.0	6.1	22.7	90.5	90.5	22.7	6.1	1.0	0.7	0.5	0.3				
-10	0.2	0.2	0.5	0.7	0.9	2.7	12.6	23.3	23.3	12.6	2.7	0.9	0.7	0.5	0.2	0.2			
-20		0.2	0.5	0.6	0.8	1.1	2.9	6.6	6.6	2.9	1.1	0.8	0.6	0.5	0.2				
-30	0.1	0.2	0.4	0.6	0.7	0.9	1.0	1.2	1.2	1.0	0.9	0.7	0.6	0.4	0.2	0.1			
-40		0.1	0.3	0.5	0.7	0.8	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.3	0.1				
-50	0.1	0.1	0.2	0.4	0.6	0.7	0.8	0.9	0.9	0.8	0.7	0.6	0.4	0.2	0.1	0.1			
-60		0.1	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.5	0.5	0.3	0.2	0.2	0.1				
-70	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0							0.0			
-80		0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
-90	0.0	0.2	0.5	0.7	0.8	0.7	0.5	0.2	0.0										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

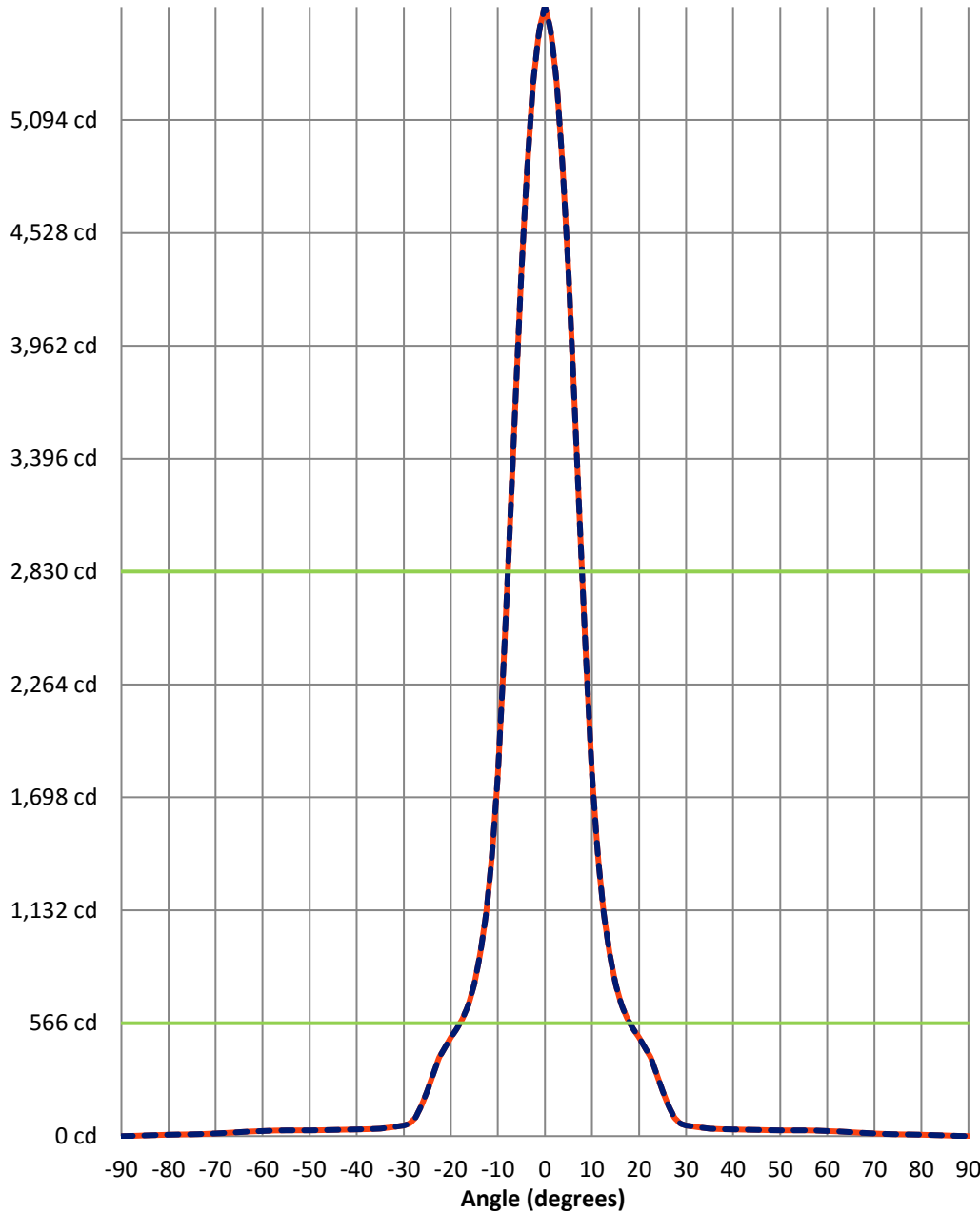
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 15.8°
 V Angle: 15.8°
 Lumens: 235.5
 Efficiency: 30.5%

Field:
 H Angle: 36.1°
 V Angle: 36.1°
 Lumens: 519.7
 Efficiency: 67.3%

Spill:
 Lumens: 252.2
 Efficiency: 32.7%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

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



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	0.5	1.1	1.8	2.7	3.5	4.3	5.0	5.7	6.4	7.1
32.5°	0.0	0.5	1.1	1.9	2.7	3.6	4.4	5.1	5.8	6.5	7.2
31.25°	0.0	0.6	1.1	1.9	2.8	3.6	4.4	5.2	5.9	6.6	7.2
30°	0.0	0.6	1.1	1.9	2.8	3.7	4.5	5.2	6.0	6.7	7.3
28.75°	0.0	0.6	1.1	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.4
27.5°	0.0	0.6	1.2	2.0	2.9	3.8	4.6	5.4	6.1	6.9	7.5
26.25°	0.0	0.6	1.2	2.0	3.0	3.8	4.6	5.4	6.2	6.9	7.5
25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
23.75°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
22.5°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
21.25°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.8
20°	0.0	0.6	1.2	2.2	3.1	4.0	4.9	5.7	6.5	7.2	7.8
18.75°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.8
17.5°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.8	6.6	7.3	7.9
16.25°	0.0	0.6	1.2	2.2	3.2	4.1	5.0	5.8	6.6	7.3	7.9
15°	0.0	0.6	1.3	2.2	3.3	4.1	5.0	5.8	6.7	7.3	8.0
13.75°	0.0	0.6	1.3	2.3	3.3	4.2	5.0	5.9	6.7	7.4	8.0
12.5°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.7	7.4	8.0
11.25°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.8	7.4	8.1
10°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	6.0	6.8	7.5	8.1
8.75°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	6.0	6.8	7.5	8.1
7.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.8	7.5	8.1
6.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
3.75°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
2.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
1.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
0°	0.0	0.6	1.3	2.4	3.4	4.3	5.2	6.1	6.9	7.6	8.2
-1.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-2.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-3.75°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-6.25°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.9	7.5	8.2
-7.5°	0.0	0.6	1.3	2.3	3.4	4.3	5.2	6.0	6.8	7.5	8.1
-8.75°	0.0	0.6	1.3	2.3	3.4	4.2	5.1	6.0	6.8	7.5	8.1
-10°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	6.0	6.8	7.5	8.1
-11.25°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.8	7.4	8.1
-12.5°	0.0	0.6	1.3	2.3	3.3	4.2	5.1	5.9	6.7	7.4	8.0
-13.75°	0.0	0.6	1.3	2.3	3.3	4.2	5.0	5.9	6.7	7.4	8.0
-15°	0.0	0.6	1.3	2.2	3.3	4.1	5.0	5.8	6.7	7.3	8.0
-16.25°	0.0	0.6	1.2	2.2	3.2	4.1	5.0	5.8	6.6	7.3	7.9
-17.5°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.8	6.6	7.3	7.9
-18.75°	0.0	0.6	1.2	2.2	3.2	4.1	4.9	5.7	6.5	7.2	7.8
-20°	0.0	0.6	1.2	2.2	3.1	4.0	4.9	5.7	6.5	7.2	7.8
-21.25°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.8



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	0.6	1.2	2.1	3.1	4.0	4.8	5.6	6.4	7.1	7.7
-23.75°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
-25°	0.0	0.6	1.2	2.1	3.0	3.9	4.7	5.5	6.3	7.0	7.6
-26.25°	0.0	0.6	1.2	2.0	3.0	3.8	4.6	5.4	6.2	6.9	7.5
-27.5°	0.0	0.6	1.2	2.0	2.9	3.8	4.6	5.4	6.1	6.9	7.5
-28.75°	0.0	0.6	1.1	2.0	2.9	3.7	4.5	5.3	6.1	6.8	7.4
-30°	0.0	0.6	1.1	1.9	2.8	3.7	4.5	5.2	6.0	6.7	7.3
-31.25°	0.0	0.6	1.1	1.9	2.8	3.6	4.4	5.2	5.9	6.6	7.2
-32.5°	0.0	0.5	1.1	1.9	2.7	3.6	4.4	5.1	5.8	6.5	7.2
-33.75°	0.0	0.5	1.1	1.8	2.7	3.5	4.3	5.0	5.7	6.4	7.1
-35°	0.0	0.5	1.1	1.8	2.6	3.5	4.2	5.0	5.7	6.4	7.0
-36.25°	0.0	0.5	1.0	1.7	2.6	3.4	4.2	4.9	5.6	6.3	6.9
-37.5°	0.0	0.5	1.0	1.7	2.5	3.4	4.1	4.8	5.5	6.2	6.8
-38.75°	0.0	0.5	1.0	1.7	2.5	3.3	4.0	4.7	5.4	6.1	6.7
-40°	0.0	0.5	1.0	1.6	2.4	3.2	3.9	4.6	5.3	5.9	6.6
-41.25°	0.0	0.5	1.0	1.6	2.4	3.1	3.9	4.5	5.2	5.8	6.5
-42.5°	0.0	0.5	1.0	1.5	2.3	3.1	3.8	4.4	5.1	5.7	6.3
-43.75°	0.0	0.5	0.9	1.5	2.2	3.0	3.7	4.3	5.0	5.6	6.2
-45°	0.0	0.5	0.9	1.4	2.2	2.9	3.6	4.2	4.9	5.5	6.1
-46.25°	0.0	0.4	0.9	1.4	2.1	2.8	3.5	4.1	4.8	5.4	6.0
-47.5°	0.0	0.4	0.9	1.3	2.0	2.7	3.4	4.0	4.7	5.3	5.8
-48.75°	0.0	0.4	0.9	1.3	2.0	2.7	3.3	3.9	4.5	5.1	5.7
-50°	0.0	0.4	0.8	1.3	1.9	2.6	3.2	3.8	4.4	5.0	5.5
-51.25°	0.0	0.4	0.8	1.2	1.8	2.5	3.1	3.7	4.3	4.9	5.4
-52.5°	0.0	0.4	0.8	1.2	1.8	2.4	3.0	3.6	4.2	4.7	5.2
-53.75°	0.0	0.4	0.8	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1
-55°	0.0	0.4	0.7	1.1	1.6	2.2	2.8	3.4	3.9	4.4	4.9
-56.25°	0.0	0.4	0.7	1.1	1.5	2.1	2.7	3.3	3.8	4.3	4.8
-57.5°	0.0	0.3	0.7	1.0	1.5	2.0	2.6	3.1	3.7	4.1	4.6
-58.75°	0.0	0.3	0.7	1.0	1.4	1.9	2.5	3.0	3.5	4.0	4.4
-60°	0.0	0.3	0.6	1.0	1.3	1.8	2.3	2.9	3.4	3.8	4.3
-61.25°	0.0	0.3	0.6	0.9	1.2	1.7	2.2	2.7	3.2	3.7	4.1
-62.5°	0.0	0.3	0.6	0.9	1.2	1.6	2.1	2.6	3.1	3.5	3.9
-63.75°	0.0	0.3	0.6	0.9	1.1	1.5	2.0	2.4	2.9	3.4	3.8
-65°	0.0	0.3	0.5	0.8	1.1	1.4	1.9	2.3	2.7	3.2	3.6
-66.25°	0.0	0.3	0.5	0.8	1.0	1.3	1.7	2.2	2.6	3.0	3.4
-67.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.6	2.0	2.4	2.8	3.2
-68.75°	0.0	0.2	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.6	3.0
-70°	0.0	0.2	0.4	0.7	0.9	1.1	1.3	1.7	2.1	2.4	2.8
-71.25°	0.0	0.2	0.4	0.6	0.8	1.0	1.3	1.6	1.9	2.2	2.6
-72.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.7	2.0	2.3
-73.75°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.3	1.5	1.8	2.1
-75°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.6	1.9
-76.25°	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.7
-77.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.3	1.5



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.3
-80°	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	1.0	1.1
-81.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-82.5°	0.0	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.8
-83.75°	0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.6	0.7
-85°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6
-86.25°	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4
-87.5°	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3
-88.75°	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
-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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.9	2.0
81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.4
80°	1.2	1.4	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.7	2.9
78.75°	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4
77.5°	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8
76.25°	1.9	2.2	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.0	4.1
75°	2.2	2.4	2.7	2.9	3.2	3.5	3.7	3.9	4.1	4.3	4.5
73.75°	2.4	2.7	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9
72.5°	2.6	2.9	3.3	3.5	3.8	4.1	4.3	4.6	4.8	5.1	5.3
71.25°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.4	5.7
70°	3.1	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5	5.8	6.0
68.75°	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.4
67.5°	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.7
66.25°	3.8	4.1	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.8	7.0
65°	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.3
63.75°	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
62.5°	4.3	4.7	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.6	7.8
61.25°	4.5	4.9	5.4	5.8	6.1	6.5	6.9	7.2	7.5	7.8	8.1
60°	4.7	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	8.0	8.3
58.75°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.4
57.5°	5.1	5.5	6.0	6.4	6.9	7.2	7.5	7.9	8.2	8.4	8.6
56.25°	5.3	5.7	6.2	6.6	7.0	7.4	7.7	8.1	8.3	8.5	8.8
55°	5.4	5.9	6.4	6.9	7.2	7.6	7.9	8.3	8.5	8.7	8.9
53.75°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.6	8.8	9.1
52.5°	5.8	6.3	6.8	7.2	7.6	7.9	8.3	8.5	8.7	9.0	9.4
51.25°	5.9	6.4	6.9	7.3	7.7	8.1	8.4	8.6	8.9	9.2	9.7
50°	6.1	6.6	7.1	7.5	7.9	8.3	8.5	8.8	9.0	9.5	10.0
48.75°	6.2	6.8	7.2	7.6	8.1	8.4	8.6	8.9	9.3	9.8	10.3
47.5°	6.4	6.9	7.4	7.8	8.2	8.5	8.7	9.0	9.5	10.1	10.6
46.25°	6.5	7.1	7.5	7.9	8.3	8.6	8.8	9.2	9.8	10.4	11.0
45°	6.7	7.2	7.6	8.1	8.4	8.7	9.0	9.5	10.1	10.6	11.5
43.75°	6.8	7.3	7.8	8.2	8.5	8.8	9.1	9.7	10.3	11.0	11.9
42.5°	6.9	7.4	7.9	8.3	8.6	8.9	9.3	9.9	10.5	11.4	12.3
41.25°	7.1	7.5	8.0	8.4	8.7	9.0	9.6	10.2	10.8	11.8	12.7
40°	7.2	7.6	8.1	8.5	8.8	9.1	9.8	10.4	11.2	12.1	13.1
38.75°	7.3	7.8	8.2	8.5	8.8	9.3	10.0	10.6	11.5	12.5	13.5
37.5°	7.4	7.9	8.3	8.6	8.9	9.5	10.2	10.9	11.9	12.9	14.0
36.25°	7.4	8.0	8.4	8.7	9.0	9.7	10.4	11.2	12.2	13.2	14.4
35°	7.5	8.1	8.4	8.8	9.2	9.9	10.5	11.5	12.5	13.6	14.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	7.6	8.2	8.5	8.8	9.3	10.0	10.7	11.8	12.8	14.0	15.2
32.5°	7.7	8.2	8.6	8.9	9.5	10.2	11.0	12.1	13.2	14.4	15.6
31.25°	7.8	8.3	8.6	9.0	9.6	10.4	11.3	12.4	13.5	14.7	16.0
30°	7.9	8.3	8.7	9.1	9.8	10.5	11.5	12.6	13.8	15.1	16.3
28.75°	8.0	8.4	8.7	9.2	9.9	10.7	11.8	12.9	14.1	15.4	16.7
27.5°	8.0	8.4	8.8	9.3	10.1	10.9	12.0	13.1	14.4	15.7	17.1
26.25°	8.1	8.5	8.9	9.4	10.2	11.1	12.2	13.4	14.7	16.0	17.5
25°	8.2	8.5	8.9	9.6	10.3	11.3	12.4	13.7	15.0	16.3	17.9
23.75°	8.2	8.6	8.9	9.7	10.4	11.5	12.6	13.9	15.3	16.7	18.2
22.5°	8.3	8.6	9.0	9.8	10.5	11.7	12.8	14.1	15.5	17.0	18.6
21.25°	8.3	8.7	9.1	9.9	10.7	11.8	13.0	14.4	15.8	17.3	18.9
20°	8.3	8.7	9.2	10.0	10.8	12.0	13.2	14.6	16.0	17.6	19.2
18.75°	8.4	8.7	9.2	10.0	10.9	12.2	13.4	14.8	16.2	17.8	19.5
17.5°	8.4	8.8	9.3	10.1	11.1	12.3	13.6	15.0	16.4	18.1	19.7
16.25°	8.4	8.8	9.4	10.2	11.2	12.4	13.7	15.2	16.6	18.3	20.0
15°	8.4	8.8	9.5	10.3	11.3	12.6	13.9	15.3	16.9	18.5	20.2
13.75°	8.5	8.9	9.5	10.3	11.4	12.7	14.0	15.5	17.0	18.7	20.4
12.5°	8.5	8.9	9.6	10.4	11.5	12.8	14.2	15.6	17.2	18.9	20.6
11.25°	8.5	8.9	9.6	10.5	11.6	12.9	14.3	15.8	17.4	19.1	20.8
10°	8.5	8.9	9.7	10.5	11.7	13.0	14.4	15.9	17.5	19.2	20.9
8.75°	8.5	8.9	9.7	10.6	11.8	13.0	14.5	16.0	17.6	19.4	21.1
7.5°	8.6	9.0	9.8	10.6	11.8	13.1	14.6	16.1	17.7	19.5	21.2
6.25°	8.6	9.0	9.8	10.6	11.9	13.2	14.6	16.1	17.8	19.6	21.3
5°	8.6	9.0	9.8	10.7	11.9	13.2	14.7	16.2	17.9	19.7	21.4
3.75°	8.6	9.0	9.8	10.7	12.0	13.3	14.7	16.2	18.0	19.7	21.4
2.5°	8.6	9.0	9.8	10.7	12.0	13.3	14.8	16.3	18.0	19.8	21.5
1.25°	8.6	9.0	9.8	10.7	12.0	13.3	14.8	16.3	18.0	19.8	21.5
0°	8.6	9.0	9.9	10.7	12.0	13.3	14.8	16.3	18.1	19.8	21.5
-1.25°	8.6	9.0	9.8	10.7	12.0	13.3	14.8	16.3	18.0	19.8	21.5
-2.5°	8.6	9.0	9.8	10.7	12.0	13.3	14.8	16.3	18.0	19.8	21.5
-3.75°	8.6	9.0	9.8	10.7	12.0	13.3	14.7	16.2	18.0	19.7	21.4
-5°	8.6	9.0	9.8	10.7	11.9	13.2	14.7	16.2	17.9	19.7	21.4
-6.25°	8.6	9.0	9.8	10.6	11.9	13.2	14.6	16.1	17.8	19.6	21.3
-7.5°	8.6	9.0	9.8	10.6	11.8	13.1	14.6	16.1	17.7	19.5	21.2
-8.75°	8.5	8.9	9.7	10.6	11.8	13.0	14.5	16.0	17.6	19.4	21.1
-10°	8.5	8.9	9.7	10.5	11.7	13.0	14.4	15.9	17.5	19.2	20.9
-11.25°	8.5	8.9	9.6	10.5	11.6	12.9	14.3	15.8	17.4	19.1	20.8
-12.5°	8.5	8.9	9.6	10.4	11.5	12.8	14.2	15.6	17.2	18.9	20.6
-13.75°	8.5	8.9	9.5	10.3	11.4	12.7	14.0	15.5	17.0	18.7	20.4
-15°	8.4	8.8	9.5	10.3	11.3	12.6	13.9	15.3	16.9	18.5	20.2
-16.25°	8.4	8.8	9.4	10.2	11.2	12.4	13.7	15.2	16.6	18.3	20.0
-17.5°	8.4	8.8	9.3	10.1	11.1	12.3	13.6	15.0	16.4	18.1	19.7
-18.75°	8.4	8.7	9.2	10.0	10.9	12.2	13.4	14.8	16.2	17.8	19.5
-20°	8.3	8.7	9.2	10.0	10.8	12.0	13.2	14.6	16.0	17.6	19.2
-21.25°	8.3	8.7	9.1	9.9	10.7	11.8	13.0	14.4	15.8	17.3	18.9



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	8.3	8.6	9.0	9.8	10.5	11.7	12.8	14.1	15.5	17.0	18.6
-23.75°	8.2	8.6	8.9	9.7	10.4	11.5	12.6	13.9	15.3	16.7	18.2
-25°	8.2	8.5	8.9	9.6	10.3	11.3	12.4	13.7	15.0	16.3	17.9
-26.25°	8.1	8.5	8.9	9.4	10.2	11.1	12.2	13.4	14.7	16.0	17.5
-27.5°	8.0	8.4	8.8	9.3	10.1	10.9	12.0	13.1	14.4	15.7	17.1
-28.75°	8.0	8.4	8.7	9.2	9.9	10.7	11.8	12.9	14.1	15.4	16.7
-30°	7.9	8.3	8.7	9.1	9.8	10.5	11.5	12.6	13.8	15.1	16.3
-31.25°	7.8	8.3	8.6	9.0	9.6	10.4	11.3	12.4	13.5	14.7	16.0
-32.5°	7.7	8.2	8.6	8.9	9.5	10.2	11.0	12.1	13.2	14.4	15.6
-33.75°	7.6	8.2	8.5	8.8	9.3	10.0	10.7	11.8	12.8	14.0	15.2
-35°	7.5	8.1	8.4	8.8	9.2	9.9	10.5	11.5	12.5	13.6	14.8
-36.25°	7.4	8.0	8.4	8.7	9.0	9.7	10.4	11.2	12.2	13.2	14.4
-37.5°	7.4	7.9	8.3	8.6	8.9	9.5	10.2	10.9	11.9	12.9	14.0
-38.75°	7.3	7.8	8.2	8.5	8.8	9.3	10.0	10.6	11.5	12.5	13.5
-40°	7.2	7.6	8.1	8.5	8.8	9.1	9.8	10.4	11.2	12.1	13.1
-41.25°	7.1	7.5	8.0	8.4	8.7	9.0	9.6	10.2	10.8	11.8	12.7
-42.5°	6.9	7.4	7.9	8.3	8.6	8.9	9.3	9.9	10.5	11.4	12.3
-43.75°	6.8	7.3	7.8	8.2	8.5	8.8	9.1	9.7	10.3	11.0	11.9
-45°	6.7	7.2	7.6	8.1	8.4	8.7	9.0	9.5	10.1	10.6	11.5
-46.25°	6.5	7.1	7.5	7.9	8.3	8.6	8.8	9.2	9.8	10.4	11.0
-47.5°	6.4	6.9	7.4	7.8	8.2	8.5	8.7	9.0	9.5	10.1	10.6
-48.75°	6.2	6.8	7.2	7.6	8.1	8.4	8.6	8.9	9.3	9.8	10.3
-50°	6.1	6.6	7.1	7.5	7.9	8.3	8.5	8.8	9.0	9.5	10.0
-51.25°	5.9	6.4	6.9	7.3	7.7	8.1	8.4	8.6	8.9	9.2	9.7
-52.5°	5.8	6.3	6.8	7.2	7.6	7.9	8.3	8.5	8.7	9.0	9.4
-53.75°	5.6	6.1	6.6	7.0	7.4	7.8	8.1	8.4	8.6	8.8	9.1
-55°	5.4	5.9	6.4	6.9	7.2	7.6	7.9	8.3	8.5	8.7	8.9
-56.25°	5.3	5.7	6.2	6.6	7.0	7.4	7.7	8.1	8.3	8.5	8.8
-57.5°	5.1	5.5	6.0	6.4	6.9	7.2	7.5	7.9	8.2	8.4	8.6
-58.75°	4.9	5.3	5.8	6.2	6.6	7.0	7.3	7.7	8.0	8.3	8.4
-60°	4.7	5.2	5.6	6.0	6.4	6.8	7.1	7.4	7.7	8.0	8.3
-61.25°	4.5	4.9	5.4	5.8	6.1	6.5	6.9	7.2	7.5	7.8	8.1
-62.5°	4.3	4.7	5.1	5.5	5.9	6.3	6.7	7.0	7.3	7.6	7.8
-63.75°	4.1	4.5	4.9	5.3	5.7	6.0	6.4	6.7	7.0	7.3	7.6
-65°	4.0	4.3	4.7	5.1	5.4	5.8	6.1	6.4	6.8	7.1	7.3
-66.25°	3.8	4.1	4.5	4.8	5.2	5.5	5.8	6.1	6.4	6.8	7.0
-67.5°	3.6	3.9	4.2	4.6	4.9	5.2	5.5	5.8	6.1	6.4	6.7
-68.75°	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.1	6.4
-70°	3.1	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.5	5.8	6.0
-71.25°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.9	5.2	5.4	5.7
-72.5°	2.6	2.9	3.3	3.5	3.8	4.1	4.3	4.6	4.8	5.1	5.3
-73.75°	2.4	2.7	3.0	3.3	3.5	3.8	4.0	4.2	4.5	4.7	4.9
-75°	2.2	2.4	2.7	2.9	3.2	3.5	3.7	3.9	4.1	4.3	4.5
-76.25°	1.9	2.2	2.4	2.6	2.9	3.1	3.4	3.6	3.8	4.0	4.1
-77.5°	1.7	1.9	2.1	2.3	2.6	2.8	3.0	3.2	3.4	3.6	3.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°
-78.75°	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.4
-80°	1.2	1.4	1.5	1.7	1.9	2.1	2.2	2.4	2.6	2.7	2.9
-81.25°	1.1	1.2	1.3	1.4	1.6	1.7	1.9	2.0	2.2	2.3	2.4
-82.5°	0.9	1.0	1.1	1.2	1.3	1.3	1.5	1.6	1.7	1.9	2.0
-83.75°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5
-85°	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.1
-86.25°	0.5	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9
-87.5°	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6
-88.75°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
85°	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
83.75°	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
82.5°	2.1	2.2	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
81.25°	2.6	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8
80°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4
78.75°	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0
77.5°	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5
76.25°	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
75°	4.7	4.9	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.6
73.75°	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
72.5°	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.0	7.2	7.3	7.5
71.25°	5.9	6.1	6.4	6.6	6.9	7.0	7.2	7.4	7.6	7.7	7.9
70°	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1	8.3
68.75°	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5
67.5°	7.0	7.2	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.6	8.8
66.25°	7.3	7.5	7.7	8.0	8.2	8.3	8.5	8.6	8.7	8.9	9.0
65°	7.6	7.8	8.0	8.3	8.4	8.5	8.7	8.8	9.0	9.2	9.5
63.75°	7.8	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.4	9.7	10.0
62.5°	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.6	9.9	10.2	10.5
61.25°	8.3	8.5	8.7	8.8	9.0	9.3	9.7	10.0	10.4	10.7	11.2
60°	8.5	8.7	8.8	9.0	9.4	9.8	10.1	10.5	10.9	11.5	12.0
58.75°	8.6	8.8	9.0	9.4	9.8	10.2	10.6	11.1	11.6	12.2	12.8
57.5°	8.8	9.0	9.4	9.8	10.2	10.6	11.2	11.8	12.4	12.9	13.5
56.25°	9.0	9.3	9.8	10.2	10.6	11.2	11.8	12.4	13.1	13.7	14.4
55°	9.2	9.7	10.1	10.6	11.2	11.8	12.5	13.1	13.8	14.5	15.3
53.75°	9.6	10.0	10.5	11.1	11.8	12.4	13.1	13.9	14.6	15.4	16.1
52.5°	9.9	10.4	10.9	11.6	12.4	13.1	13.8	14.6	15.4	16.2	17.0
51.25°	10.2	10.7	11.5	12.2	12.9	13.7	14.5	15.4	16.2	17.1	18.0
50°	10.5	11.2	12.0	12.8	13.5	14.4	15.3	16.1	17.0	18.0	19.0
48.75°	10.9	11.7	12.5	13.3	14.2	15.1	16.0	16.9	17.9	18.9	19.9
47.5°	11.4	12.2	13.0	13.9	14.8	15.8	16.7	17.8	18.8	19.8	20.8
46.25°	11.9	12.7	13.6	14.5	15.5	16.4	17.5	18.6	19.7	20.7	21.7
45°	12.3	13.2	14.1	15.1	16.1	17.2	18.3	19.4	20.5	21.5	22.6
43.75°	12.8	13.7	14.7	15.7	16.8	17.9	19.1	20.2	21.3	22.4	23.3
42.5°	13.2	14.2	15.3	16.3	17.5	18.7	19.8	21.0	22.1	23.2	23.9
41.25°	13.7	14.7	15.8	16.9	18.2	19.4	20.5	21.7	22.8	23.7	24.4
40°	14.2	15.2	16.3	17.6	18.8	20.1	21.2	22.4	23.5	24.2	25.0
38.75°	14.6	15.7	16.9	18.2	19.5	20.7	21.9	23.1	23.9	24.7	25.5
37.5°	15.1	16.2	17.5	18.8	20.1	21.4	22.6	23.6	24.4	25.2	26.1
36.25°	15.5	16.8	18.1	19.4	20.7	22.0	23.2	24.1	24.9	25.7	26.6
35°	16.0	17.3	18.6	20.0	21.3	22.6	23.7	24.5	25.3	26.2	27.2



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°
33.75°	16.4	17.8	19.2	20.6	21.9	23.2	24.1	24.9	25.8	26.8	27.7
32.5°	16.9	18.3	19.7	21.1	22.4	23.6	24.5	25.3	26.3	27.3	28.0
31.25°	17.4	18.8	20.2	21.6	23.0	24.0	24.8	25.8	26.8	27.8	28.2
30°	17.8	19.3	20.7	22.1	23.4	24.3	25.2	26.2	27.2	28.0	28.4
28.75°	18.2	19.7	21.2	22.6	23.7	24.7	25.6	26.6	27.7	28.2	28.5
27.5°	18.6	20.1	21.6	23.1	24.0	25.0	26.0	27.0	28.0	28.3	28.7
26.25°	19.1	20.6	22.0	23.4	24.4	25.3	26.4	27.4	28.1	28.5	28.8
25°	19.4	20.9	22.4	23.7	24.6	25.6	26.7	27.8	28.3	28.6	28.8
23.75°	19.8	21.3	22.8	23.9	24.9	26.0	27.1	28.0	28.4	28.8	28.8
22.5°	20.1	21.7	23.2	24.2	25.2	26.3	27.4	28.1	28.5	28.8	28.8
21.25°	20.5	22.0	23.4	24.4	25.5	26.6	27.7	28.2	28.6	28.8	28.8
20°	20.8	22.3	23.7	24.7	25.7	26.9	27.9	28.4	28.8	28.8	28.8
18.75°	21.1	22.6	23.9	24.9	26.0	27.1	28.0	28.5	28.8	28.8	28.8
17.5°	21.3	22.9	24.1	25.1	26.2	27.4	28.1	28.6	28.8	28.8	28.8
16.25°	21.6	23.2	24.2	25.3	26.5	27.6	28.2	28.7	28.8	28.8	28.8
15°	21.8	23.4	24.4	25.5	26.7	27.9	28.3	28.7	28.8	28.8	28.8
13.75°	22.0	23.5	24.6	25.7	26.9	28.0	28.4	28.8	28.8	28.8	28.8
12.5°	22.2	23.6	24.7	25.8	27.0	28.0	28.5	28.8	28.8	28.8	28.8
11.25°	22.4	23.8	24.8	26.0	27.2	28.1	28.5	28.8	28.8	28.8	28.8
10°	22.6	23.9	25.0	26.1	27.3	28.1	28.6	28.8	28.8	28.8	28.8
8.75°	22.7	24.0	25.1	26.2	27.5	28.2	28.6	28.8	28.8	28.8	28.8
7.5°	22.9	24.1	25.2	26.4	27.6	28.2	28.7	28.8	28.8	28.8	28.8
6.25°	23.0	24.1	25.2	26.4	27.7	28.3	28.7	28.8	28.8	28.8	28.8
5°	23.0	24.2	25.3	26.5	27.8	28.3	28.7	28.8	28.8	28.8	28.8
3.75°	23.1	24.2	25.3	26.6	27.8	28.3	28.8	28.8	28.8	28.8	28.8
2.5°	23.2	24.3	25.4	26.6	27.9	28.3	28.8	28.8	28.8	28.8	28.8
1.25°	23.2	24.3	25.4	26.6	27.9	28.3	28.8	28.8	28.8	28.8	28.8
0°	23.2	24.3	25.4	26.7	27.9	28.4	28.8	28.8	28.8	28.8	28.8
-1.25°	23.2	24.3	25.4	26.6	27.9	28.3	28.8	28.8	28.8	28.8	28.8
-2.5°	23.2	24.3	25.4	26.6	27.9	28.3	28.8	28.8	28.8	28.8	28.8
-3.75°	23.1	24.2	25.3	26.6	27.8	28.3	28.8	28.8	28.8	28.8	28.8
-5°	23.0	24.2	25.3	26.5	27.8	28.3	28.7	28.8	28.8	28.8	28.8
-6.25°	23.0	24.1	25.2	26.4	27.7	28.3	28.7	28.8	28.8	28.8	28.8
-7.5°	22.9	24.1	25.2	26.4	27.6	28.2	28.7	28.8	28.8	28.8	28.8
-8.75°	22.7	24.0	25.1	26.2	27.5	28.2	28.6	28.8	28.8	28.8	28.8
-10°	22.6	23.9	25.0	26.1	27.3	28.1	28.6	28.8	28.8	28.8	28.8
-11.25°	22.4	23.8	24.8	26.0	27.2	28.1	28.5	28.8	28.8	28.8	28.8
-12.5°	22.2	23.6	24.7	25.8	27.0	28.0	28.5	28.8	28.8	28.8	28.8
-13.75°	22.0	23.5	24.6	25.7	26.9	28.0	28.4	28.8	28.8	28.8	28.8
-15°	21.8	23.4	24.4	25.5	26.7	27.9	28.3	28.7	28.8	28.8	28.8
-16.25°	21.6	23.2	24.2	25.3	26.5	27.6	28.2	28.7	28.8	28.8	28.8
-17.5°	21.3	22.9	24.1	25.1	26.2	27.4	28.1	28.6	28.8	28.8	28.8
-18.75°	21.1	22.6	23.9	24.9	26.0	27.1	28.0	28.5	28.8	28.8	28.8
-20°	20.8	22.3	23.7	24.7	25.7	26.9	27.9	28.4	28.8	28.8	28.8
-21.25°	20.5	22.0	23.4	24.4	25.5	26.6	27.7	28.2	28.6	28.8	28.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	20.1	21.7	23.2	24.2	25.2	26.3	27.4	28.1	28.5	28.8	28.8
-23.75°	19.8	21.3	22.8	23.9	24.9	26.0	27.1	28.0	28.4	28.8	28.8
-25°	19.4	20.9	22.4	23.7	24.6	25.6	26.7	27.8	28.3	28.6	28.8
-26.25°	19.1	20.6	22.0	23.4	24.4	25.3	26.4	27.4	28.1	28.5	28.8
-27.5°	18.6	20.1	21.6	23.1	24.0	25.0	26.0	27.0	28.0	28.3	28.7
-28.75°	18.2	19.7	21.2	22.6	23.7	24.7	25.6	26.6	27.7	28.2	28.5
-30°	17.8	19.3	20.7	22.1	23.4	24.3	25.2	26.2	27.2	28.0	28.4
-31.25°	17.4	18.8	20.2	21.6	23.0	24.0	24.8	25.8	26.8	27.8	28.2
-32.5°	16.9	18.3	19.7	21.1	22.4	23.6	24.5	25.3	26.3	27.3	28.0
-33.75°	16.4	17.8	19.2	20.6	21.9	23.2	24.1	24.9	25.8	26.8	27.7
-35°	16.0	17.3	18.6	20.0	21.3	22.6	23.7	24.5	25.3	26.2	27.2
-36.25°	15.5	16.8	18.1	19.4	20.7	22.0	23.2	24.1	24.9	25.7	26.6
-37.5°	15.1	16.2	17.5	18.8	20.1	21.4	22.6	23.6	24.4	25.2	26.1
-38.75°	14.6	15.7	16.9	18.2	19.5	20.7	21.9	23.1	23.9	24.7	25.5
-40°	14.2	15.2	16.3	17.6	18.8	20.1	21.2	22.4	23.5	24.2	25.0
-41.25°	13.7	14.7	15.8	16.9	18.2	19.4	20.5	21.7	22.8	23.7	24.4
-42.5°	13.2	14.2	15.3	16.3	17.5	18.7	19.8	21.0	22.1	23.2	23.9
-43.75°	12.8	13.7	14.7	15.7	16.8	17.9	19.1	20.2	21.3	22.4	23.3
-45°	12.3	13.2	14.1	15.1	16.1	17.2	18.3	19.4	20.5	21.5	22.6
-46.25°	11.9	12.7	13.6	14.5	15.5	16.4	17.5	18.6	19.7	20.7	21.7
-47.5°	11.4	12.2	13.0	13.9	14.8	15.8	16.7	17.8	18.8	19.8	20.8
-48.75°	10.9	11.7	12.5	13.3	14.2	15.1	16.0	16.9	17.9	18.9	19.9
-50°	10.5	11.2	12.0	12.8	13.5	14.4	15.3	16.1	17.0	18.0	19.0
-51.25°	10.2	10.7	11.5	12.2	12.9	13.7	14.5	15.4	16.2	17.1	18.0
-52.5°	9.9	10.4	10.9	11.6	12.4	13.1	13.8	14.6	15.4	16.2	17.0
-53.75°	9.6	10.0	10.5	11.1	11.8	12.4	13.1	13.9	14.6	15.4	16.1
-55°	9.2	9.7	10.1	10.6	11.2	11.8	12.5	13.1	13.8	14.5	15.3
-56.25°	9.0	9.3	9.8	10.2	10.6	11.2	11.8	12.4	13.1	13.7	14.4
-57.5°	8.8	9.0	9.4	9.8	10.2	10.6	11.2	11.8	12.4	12.9	13.5
-58.75°	8.6	8.8	9.0	9.4	9.8	10.2	10.6	11.1	11.6	12.2	12.8
-60°	8.5	8.7	8.8	9.0	9.4	9.8	10.1	10.5	10.9	11.5	12.0
-61.25°	8.3	8.5	8.7	8.8	9.0	9.3	9.7	10.0	10.4	10.7	11.2
-62.5°	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.6	9.9	10.2	10.5
-63.75°	7.8	8.1	8.3	8.4	8.6	8.8	8.9	9.1	9.4	9.7	10.0
-65°	7.6	7.8	8.0	8.3	8.4	8.5	8.7	8.8	9.0	9.2	9.5
-66.25°	7.3	7.5	7.7	8.0	8.2	8.3	8.5	8.6	8.7	8.9	9.0
-67.5°	7.0	7.2	7.4	7.7	7.9	8.1	8.3	8.4	8.5	8.6	8.8
-68.75°	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.4	8.5
-70°	6.3	6.5	6.8	7.0	7.2	7.4	7.6	7.8	7.9	8.1	8.3
-71.25°	5.9	6.1	6.4	6.6	6.9	7.0	7.2	7.4	7.6	7.7	7.9
-72.5°	5.5	5.8	6.0	6.2	6.4	6.6	6.9	7.0	7.2	7.3	7.5
-73.75°	5.1	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1
-75°	4.7	4.9	5.2	5.3	5.5	5.7	5.9	6.1	6.3	6.4	6.6
-76.25°	4.3	4.5	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
-77.5°	3.9	4.1	4.3	4.4	4.6	4.8	4.9	5.1	5.2	5.4	5.5



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	3.5	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.7	4.9	5.0
-80°	3.1	3.2	3.4	3.5	3.7	3.8	3.9	4.0	4.2	4.3	4.4
-81.25°	2.6	2.7	2.9	3.0	3.1	3.3	3.4	3.5	3.6	3.7	3.8
-82.5°	2.1	2.2	2.3	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2
-83.75°	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
-85°	1.2	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9
-86.25°	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3
-87.5°	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
-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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
86.25°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7
85°	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6
83.75°	2.7	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.4
82.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2
81.25°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
80°	4.5	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
78.75°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
77.5°	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.9
76.25°	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4
75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	8.0
73.75°	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4
72.5°	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7
71.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9	9.0
70°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.5	9.7
68.75°	8.6	8.7	8.8	9.0	9.1	9.3	9.6	9.8	10.0	10.2	10.4
67.5°	8.9	9.0	9.2	9.5	9.7	9.9	10.2	10.4	10.6	10.9	11.2
66.25°	9.3	9.5	9.8	10.1	10.3	10.5	10.8	11.2	11.5	11.9	12.2
65°	9.8	10.1	10.4	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.2
63.75°	10.3	10.6	11.0	11.5	11.9	12.3	12.7	13.1	13.5	14.0	14.4
62.5°	10.9	11.4	11.9	12.3	12.8	13.2	13.7	14.2	14.6	15.1	15.5
61.25°	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.8
60°	12.5	13.0	13.6	14.1	14.7	15.3	15.8	16.3	16.9	17.5	18.1
58.75°	13.3	13.9	14.5	15.1	15.7	16.3	16.9	17.6	18.2	18.8	19.4
57.5°	14.2	14.8	15.5	16.1	16.8	17.5	18.2	18.8	19.5	20.1	20.7
56.25°	15.1	15.8	16.4	17.2	17.9	18.7	19.4	20.1	20.7	21.4	22.0
55°	16.0	16.7	17.5	18.3	19.1	19.8	20.5	21.2	21.9	22.6	23.2
53.75°	16.9	17.8	18.6	19.4	20.2	21.0	21.7	22.4	23.1	23.6	24.1
52.5°	17.9	18.8	19.7	20.5	21.3	22.1	22.8	23.5	23.9	24.4	24.9
51.25°	18.9	19.8	20.7	21.5	22.4	23.2	23.7	24.2	24.7	25.2	25.7
50°	19.9	20.8	21.7	22.6	23.3	23.9	24.4	25.0	25.5	26.1	26.6
48.75°	20.8	21.8	22.7	23.5	24.0	24.6	25.2	25.7	26.3	26.9	27.5
47.5°	21.8	22.7	23.5	24.1	24.7	25.3	25.9	26.6	27.2	27.8	28.1
46.25°	22.7	23.5	24.1	24.8	25.4	26.1	26.7	27.4	27.9	28.2	28.4
45°	23.5	24.1	24.8	25.4	26.1	26.8	27.5	28.0	28.2	28.5	28.7
43.75°	24.0	24.7	25.4	26.1	26.9	27.6	28.0	28.3	28.5	28.8	28.8
42.5°	24.6	25.3	26.1	26.8	27.6	28.1	28.3	28.6	28.8	28.8	28.8
41.25°	25.2	25.9	26.7	27.5	28.0	28.3	28.6	28.8	28.8	28.8	28.8
40°	25.7	26.6	27.4	28.0	28.3	28.6	28.8	28.8	28.8	28.8	28.8
38.75°	26.3	27.2	27.9	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8
37.5°	26.9	27.8	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
36.25°	27.5	28.1	28.4	28.7	28.8	28.8	28.8	28.8	28.8	28.8	29.0
35°	28.0	28.3	28.6	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.3



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.3	29.6
32.5°	28.4	28.7	28.8	28.8	28.8	28.8	28.8	28.9	29.2	29.5	29.9
31.25°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	29.1	29.5	29.8	30.3
30°	28.7	28.8	28.8	28.8	28.8	28.8	29.0	29.4	29.7	30.2	30.6
28.75°	28.8	28.8	28.8	28.8	28.8	28.9	29.2	29.6	30.0	30.5	31.0
27.5°	28.8	28.8	28.8	28.8	28.8	29.1	29.5	29.9	30.4	30.9	31.3
26.25°	28.8	28.8	28.8	28.8	28.9	29.3	29.7	30.2	30.7	31.2	31.6
25°	28.8	28.8	28.8	28.8	29.1	29.5	29.9	30.5	31.0	31.5	31.9
23.75°	28.8	28.8	28.8	28.9	29.3	29.7	30.2	30.8	31.3	31.8	32.2
22.5°	28.8	28.8	28.8	29.1	29.5	29.9	30.5	31.0	31.5	32.0	32.5
21.25°	28.8	28.8	28.8	29.2	29.6	30.2	30.7	31.3	31.8	32.3	32.8
20°	28.8	28.8	29.0	29.4	29.8	30.4	31.0	31.5	32.0	32.6	33.1
18.75°	28.8	28.8	29.1	29.5	30.0	30.6	31.2	31.7	32.3	32.8	33.4
17.5°	28.8	28.8	29.3	29.7	30.2	30.8	31.4	31.9	32.5	33.1	33.6
16.25°	28.8	29.0	29.4	29.8	30.4	31.0	31.6	32.1	32.7	33.3	33.9
15°	28.8	29.1	29.5	30.0	30.6	31.2	31.8	32.3	32.9	33.5	34.1
13.75°	28.8	29.2	29.6	30.2	30.8	31.4	31.9	32.5	33.1	33.7	34.3
12.5°	28.8	29.3	29.7	30.3	30.9	31.5	32.1	32.7	33.3	33.9	34.5
11.25°	28.9	29.3	29.8	30.4	31.1	31.6	32.2	32.8	33.4	34.1	34.7
10°	29.0	29.4	29.9	30.6	31.2	31.7	32.3	33.0	33.6	34.2	34.9
8.75°	29.0	29.5	30.0	30.7	31.3	31.9	32.5	33.1	33.7	34.4	35.2
7.5°	29.1	29.5	30.1	30.7	31.4	31.9	32.6	33.2	33.8	34.5	35.4
6.25°	29.1	29.6	30.2	30.8	31.4	32.0	32.6	33.3	33.9	34.6	35.6
5°	29.2	29.6	30.2	30.9	31.5	32.1	32.7	33.4	34.0	34.7	35.8
3.75°	29.2	29.7	30.3	30.9	31.5	32.1	32.8	33.4	34.1	34.7	35.9
2.5°	29.2	29.7	30.3	31.0	31.6	32.2	32.8	33.5	34.1	34.8	36.0
1.25°	29.2	29.7	30.3	31.0	31.6	32.2	32.8	33.5	34.1	34.8	36.1
0°	29.3	29.7	30.4	31.0	31.6	32.2	32.9	33.5	34.2	34.8	36.1
-1.25°	29.2	29.7	30.3	31.0	31.6	32.2	32.8	33.5	34.1	34.8	36.1
-2.5°	29.2	29.7	30.3	31.0	31.6	32.2	32.8	33.5	34.1	34.8	36.0
-3.75°	29.2	29.7	30.3	30.9	31.5	32.1	32.8	33.4	34.1	34.7	35.9
-5°	29.2	29.6	30.2	30.9	31.5	32.1	32.7	33.4	34.0	34.7	35.8
-6.25°	29.1	29.6	30.2	30.8	31.4	32.0	32.6	33.3	33.9	34.6	35.6
-7.5°	29.1	29.5	30.1	30.7	31.4	31.9	32.6	33.2	33.8	34.5	35.4
-8.75°	29.0	29.5	30.0	30.7	31.3	31.9	32.5	33.1	33.7	34.4	35.2
-10°	29.0	29.4	29.9	30.6	31.2	31.7	32.3	33.0	33.6	34.2	34.9
-11.25°	28.9	29.3	29.8	30.4	31.1	31.6	32.2	32.8	33.4	34.1	34.7
-12.5°	28.8	29.3	29.7	30.3	30.9	31.5	32.1	32.7	33.3	33.9	34.5
-13.75°	28.8	29.2	29.6	30.2	30.8	31.4	31.9	32.5	33.1	33.7	34.3
-15°	28.8	29.1	29.5	30.0	30.6	31.2	31.8	32.3	32.9	33.5	34.1
-16.25°	28.8	29.0	29.4	29.8	30.4	31.0	31.6	32.1	32.7	33.3	33.9
-17.5°	28.8	28.8	29.3	29.7	30.2	30.8	31.4	31.9	32.5	33.1	33.6
-18.75°	28.8	28.8	29.1	29.5	30.0	30.6	31.2	31.7	32.3	32.8	33.4
-20°	28.8	28.8	29.0	29.4	29.8	30.4	31.0	31.5	32.0	32.6	33.1
-21.25°	28.8	28.8	28.8	29.2	29.6	30.2	30.7	31.3	31.8	32.3	32.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	28.8	28.8	28.8	29.1	29.5	29.9	30.5	31.0	31.5	32.0	32.5
-23.75°	28.8	28.8	28.8	28.9	29.3	29.7	30.2	30.8	31.3	31.8	32.2
-25°	28.8	28.8	28.8	28.8	29.1	29.5	29.9	30.5	31.0	31.5	31.9
-26.25°	28.8	28.8	28.8	28.8	28.9	29.3	29.7	30.2	30.7	31.2	31.6
-27.5°	28.8	28.8	28.8	28.8	28.8	29.1	29.5	29.9	30.4	30.9	31.3
-28.75°	28.8	28.8	28.8	28.8	28.8	28.9	29.2	29.6	30.0	30.5	31.0
-30°	28.7	28.8	28.8	28.8	28.8	28.8	29.0	29.4	29.7	30.2	30.6
-31.25°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	29.1	29.5	29.8	30.3
-32.5°	28.4	28.7	28.8	28.8	28.8	28.8	28.8	28.9	29.2	29.5	29.9
-33.75°	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.3	29.6
-35°	28.0	28.3	28.6	28.8	28.8	28.8	28.8	28.8	28.8	29.0	29.3
-36.25°	27.5	28.1	28.4	28.7	28.8	28.8	28.8	28.8	28.8	28.8	29.0
-37.5°	26.9	27.8	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-38.75°	26.3	27.2	27.9	28.2	28.5	28.8	28.8	28.8	28.8	28.8	28.8
-40°	25.7	26.6	27.4	28.0	28.3	28.6	28.8	28.8	28.8	28.8	28.8
-41.25°	25.2	25.9	26.7	27.5	28.0	28.3	28.6	28.8	28.8	28.8	28.8
-42.5°	24.6	25.3	26.1	26.8	27.6	28.1	28.3	28.6	28.8	28.8	28.8
-43.75°	24.0	24.7	25.4	26.1	26.9	27.6	28.0	28.3	28.5	28.8	28.8
-45°	23.5	24.1	24.8	25.4	26.1	26.8	27.5	28.0	28.2	28.5	28.7
-46.25°	22.7	23.5	24.1	24.8	25.4	26.1	26.7	27.4	27.9	28.2	28.4
-47.5°	21.8	22.7	23.5	24.1	24.7	25.3	25.9	26.6	27.2	27.8	28.1
-48.75°	20.8	21.8	22.7	23.5	24.0	24.6	25.2	25.7	26.3	26.9	27.5
-50°	19.9	20.8	21.7	22.6	23.3	23.9	24.4	25.0	25.5	26.1	26.6
-51.25°	18.9	19.8	20.7	21.5	22.4	23.2	23.7	24.2	24.7	25.2	25.7
-52.5°	17.9	18.8	19.7	20.5	21.3	22.1	22.8	23.5	23.9	24.4	24.9
-53.75°	16.9	17.8	18.6	19.4	20.2	21.0	21.7	22.4	23.1	23.6	24.1
-55°	16.0	16.7	17.5	18.3	19.1	19.8	20.5	21.2	21.9	22.6	23.2
-56.25°	15.1	15.8	16.4	17.2	17.9	18.7	19.4	20.1	20.7	21.4	22.0
-57.5°	14.2	14.8	15.5	16.1	16.8	17.5	18.2	18.8	19.5	20.1	20.7
-58.75°	13.3	13.9	14.5	15.1	15.7	16.3	16.9	17.6	18.2	18.8	19.4
-60°	12.5	13.0	13.6	14.1	14.7	15.3	15.8	16.3	16.9	17.5	18.1
-61.25°	11.7	12.2	12.7	13.2	13.7	14.2	14.7	15.2	15.7	16.2	16.8
-62.5°	10.9	11.4	11.9	12.3	12.8	13.2	13.7	14.2	14.6	15.1	15.5
-63.75°	10.3	10.6	11.0	11.5	11.9	12.3	12.7	13.1	13.5	14.0	14.4
-65°	9.8	10.1	10.4	10.6	11.0	11.4	11.8	12.1	12.5	12.9	13.2
-66.25°	9.3	9.5	9.8	10.1	10.3	10.5	10.8	11.2	11.5	11.9	12.2
-67.5°	8.9	9.0	9.2	9.5	9.7	9.9	10.2	10.4	10.6	10.9	11.2
-68.75°	8.6	8.7	8.8	9.0	9.1	9.3	9.6	9.8	10.0	10.2	10.4
-70°	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.3	9.5	9.7
-71.25°	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.8	8.9	9.0
-72.5°	7.6	7.8	7.9	8.1	8.2	8.3	8.4	8.5	8.5	8.6	8.7
-73.75°	7.2	7.4	7.5	7.6	7.8	7.9	8.0	8.1	8.2	8.3	8.4
-75°	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.8	7.9	8.0
-76.25°	6.2	6.4	6.5	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4
-77.5°	5.7	5.8	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8	6.9



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.3
-80°	4.5	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-81.25°	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9
-82.5°	3.3	3.4	3.5	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2
-83.75°	2.7	2.7	2.8	2.9	3.0	3.1	3.1	3.2	3.3	3.4	3.4
-85°	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6
-86.25°	1.3	1.3	1.4	1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.7
-87.5°	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
86.25°	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1
85°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1
83.75°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0
82.5°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8
81.25°	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
80°	5.7	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4
78.75°	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.0	7.1
77.5°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7
76.25°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3
75°	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
73.75°	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.9	8.9	8.9	9.0
72.5°	8.8	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.6	9.7	9.8
71.25°	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5
70°	9.9	10.0	10.2	10.4	10.5	10.7	10.9	11.1	11.3	11.5	11.7
68.75°	10.5	10.7	11.0	11.3	11.5	11.8	12.0	12.2	12.4	12.6	12.8
67.5°	11.5	11.8	12.1	12.4	12.6	12.9	13.1	13.4	13.7	13.9	14.1
66.25°	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.5
65°	13.6	14.0	14.4	14.7	15.1	15.4	15.7	16.0	16.3	16.7	17.0
63.75°	14.8	15.2	15.6	16.0	16.3	16.7	17.1	17.5	17.9	18.2	18.6
62.5°	16.0	16.4	16.9	17.4	17.8	18.2	18.6	19.1	19.4	19.8	20.1
61.25°	17.3	17.8	18.3	18.8	19.3	19.7	20.1	20.6	20.9	21.3	21.7
60°	18.6	19.2	19.7	20.2	20.7	21.2	21.6	22.0	22.4	22.8	23.2
58.75°	20.0	20.6	21.1	21.6	22.1	22.6	23.1	23.4	23.7	23.9	24.2
57.5°	21.3	21.9	22.4	23.0	23.4	23.7	24.0	24.4	24.6	24.9	25.2
56.25°	22.6	23.2	23.6	24.0	24.3	24.7	25.0	25.3	25.6	26.0	26.3
55°	23.7	24.1	24.5	24.8	25.2	25.6	26.0	26.4	26.7	27.1	27.4
53.75°	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4	27.8	28.0	28.1
52.5°	25.3	25.8	26.3	26.8	27.2	27.7	28.0	28.1	28.3	28.4	28.5
51.25°	26.2	26.8	27.3	27.8	28.0	28.2	28.3	28.5	28.6	28.8	28.8
50°	27.2	27.7	28.0	28.2	28.4	28.5	28.7	28.8	28.8	28.8	28.8
48.75°	28.0	28.2	28.4	28.6	28.7	28.8	28.8	28.8	28.8	28.8	28.8
47.5°	28.3	28.5	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
46.25°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
45°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.1
43.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.1	29.3	29.5
42.5°	28.8	28.8	28.8	28.8	28.8	28.9	29.1	29.3	29.5	29.7	29.9
41.25°	28.8	28.8	28.8	28.8	29.0	29.2	29.5	29.7	29.9	30.2	30.5
40°	28.8	28.8	28.9	29.1	29.4	29.6	29.9	30.2	30.5	30.8	31.0
38.75°	28.8	29.0	29.2	29.5	29.7	30.0	30.4	30.7	31.0	31.3	31.5
37.5°	29.0	29.3	29.5	29.8	30.2	30.5	30.9	31.2	31.5	31.8	32.0
36.25°	29.3	29.6	29.9	30.3	30.6	31.0	31.3	31.6	31.9	32.2	32.5
35°	29.6	29.9	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.8	33.1



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	29.9	30.3	30.8	31.1	31.5	31.9	32.2	32.6	32.9	33.3	33.6
32.5°	30.3	30.8	31.2	31.5	31.9	32.3	32.7	33.1	33.4	33.8	34.1
31.25°	30.7	31.1	31.5	31.9	32.3	32.7	33.1	33.5	33.9	34.3	34.6
30°	31.1	31.5	31.9	32.3	32.8	33.2	33.6	34.0	34.4	34.8	35.5
28.75°	31.4	31.9	32.3	32.7	33.2	33.6	34.0	34.5	34.9	35.7	36.5
27.5°	31.8	32.2	32.7	33.1	33.6	34.0	34.5	35.0	35.8	36.7	37.5
26.25°	32.1	32.6	33.1	33.5	34.0	34.5	35.0	35.9	36.7	37.9	40.2
25°	32.4	32.9	33.4	33.9	34.4	34.9	35.8	36.7	38.1	40.5	42.8
23.75°	32.8	33.3	33.8	34.3	34.8	35.7	36.7	37.9	40.5	43.0	45.5
22.5°	33.1	33.6	34.1	34.6	35.5	36.5	37.5	40.2	42.8	45.5	48.5
21.25°	33.4	33.9	34.4	35.1	36.2	37.2	39.6	42.4	45.2	48.3	51.4
20°	33.7	34.2	34.8	35.8	36.8	38.8	41.7	44.5	47.8	51.0	54.7
18.75°	34.0	34.5	35.3	36.4	37.7	40.7	43.6	46.9	50.3	53.8	59.3
17.5°	34.2	34.8	35.9	37.0	39.4	42.5	45.6	49.2	52.6	57.8	71.3
16.25°	34.5	35.3	36.4	37.9	41.0	44.2	47.7	51.4	55.9	66.7	93.6
15°	34.7	35.8	36.9	39.3	42.6	46.0	49.7	53.5	60.4	80.2	122.0
13.75°	35.0	36.2	37.4	40.7	44.0	47.7	51.6	56.6	69.8	103.5	155.9
12.5°	35.4	36.6	38.6	42.0	45.5	49.4	53.3	60.8	83.5	130.2	191.3
11.25°	35.8	37.0	39.8	43.2	46.9	50.9	55.8	68.4	102.6	158.1	225.5
10°	36.1	37.4	40.8	44.2	48.2	52.3	58.2	76.2	122.9	186.6	259.1
8.75°	36.4	38.2	41.7	45.3	49.4	53.6	62.8	91.0	144.7	213.3	289.5
7.5°	36.7	38.9	42.5	46.3	50.4	55.4	68.0	104.1	163.8	237.6	316.3
6.25°	36.9	39.6	43.2	47.1	51.3	56.9	72.5	116.3	182.7	259.4	339.3
5°	37.1	40.1	43.7	47.8	52.0	58.1	78.0	129.1	198.5	277.4	358.4
3.75°	37.2	40.5	44.1	48.3	52.6	59.3	84.9	139.2	210.9	291.6	373.5
2.5°	37.3	40.8	44.5	48.7	53.0	61.3	89.8	146.5	219.8	301.8	384.3
1.25°	37.4	41.0	44.6	48.9	53.2	62.5	92.8	150.8	225.2	307.9	390.8
0°	37.4	41.1	44.7	49.0	53.3	62.9	93.8	152.3	227.0	310.0	393.0
-1.25°	37.4	41.0	44.6	48.9	53.2	62.5	92.8	150.8	225.2	307.9	390.8
-2.5°	37.3	40.8	44.5	48.7	53.0	61.3	89.8	146.5	219.8	301.8	384.3
-3.75°	37.2	40.5	44.1	48.3	52.6	59.3	84.9	139.2	210.9	291.6	373.5
-5°	37.1	40.1	43.7	47.8	52.0	58.1	78.0	129.1	198.5	277.4	358.4
-6.25°	36.9	39.6	43.2	47.1	51.3	56.9	72.5	116.3	182.7	259.4	339.3
-7.5°	36.7	38.9	42.5	46.3	50.4	55.4	68.0	104.1	163.8	237.6	316.3
-8.75°	36.4	38.2	41.7	45.3	49.4	53.6	62.8	91.0	144.7	213.3	289.5
-10°	36.1	37.4	40.8	44.2	48.2	52.3	58.2	76.2	122.9	186.6	259.1
-11.25°	35.8	37.0	39.8	43.2	46.9	50.9	55.8	68.4	102.6	158.1	225.5
-12.5°	35.4	36.6	38.6	42.0	45.5	49.4	53.3	60.8	83.5	130.2	191.3
-13.75°	35.0	36.2	37.4	40.7	44.0	47.7	51.6	56.6	69.8	103.5	155.9
-15°	34.7	35.8	36.9	39.3	42.6	46.0	49.7	53.5	60.4	80.2	122.0
-16.25°	34.5	35.3	36.4	37.9	41.0	44.2	47.7	51.4	55.9	66.7	93.6
-17.5°	34.2	34.8	35.9	37.0	39.4	42.5	45.6	49.2	52.6	57.8	71.3
-18.75°	34.0	34.5	35.3	36.4	37.7	40.7	43.6	46.9	50.3	53.8	59.3
-20°	33.7	34.2	34.8	35.8	36.8	38.8	41.7	44.5	47.8	51.0	54.7
-21.25°	33.4	33.9	34.4	35.1	36.2	37.2	39.6	42.4	45.2	48.3	51.4



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	33.1	33.6	34.1	34.6	35.5	36.5	37.5	40.2	42.8	45.5	48.5
-23.75°	32.8	33.3	33.8	34.3	34.8	35.7	36.7	37.9	40.5	43.0	45.5
-25°	32.4	32.9	33.4	33.9	34.4	34.9	35.8	36.7	38.1	40.5	42.8
-26.25°	32.1	32.6	33.1	33.5	34.0	34.5	35.0	35.9	36.7	37.9	40.2
-27.5°	31.8	32.2	32.7	33.1	33.6	34.0	34.5	35.0	35.8	36.7	37.5
-28.75°	31.4	31.9	32.3	32.7	33.2	33.6	34.0	34.5	34.9	35.7	36.5
-30°	31.1	31.5	31.9	32.3	32.8	33.2	33.6	34.0	34.4	34.8	35.5
-31.25°	30.7	31.1	31.5	31.9	32.3	32.7	33.1	33.5	33.9	34.3	34.6
-32.5°	30.3	30.8	31.2	31.5	31.9	32.3	32.7	33.1	33.4	33.8	34.1
-33.75°	29.9	30.3	30.8	31.1	31.5	31.9	32.2	32.6	32.9	33.3	33.6
-35°	29.6	29.9	30.3	30.7	31.1	31.4	31.8	32.1	32.4	32.8	33.1
-36.25°	29.3	29.6	29.9	30.3	30.6	31.0	31.3	31.6	31.9	32.2	32.5
-37.5°	29.0	29.3	29.5	29.8	30.2	30.5	30.9	31.2	31.5	31.8	32.0
-38.75°	28.8	29.0	29.2	29.5	29.7	30.0	30.4	30.7	31.0	31.3	31.5
-40°	28.8	28.8	28.9	29.1	29.4	29.6	29.9	30.2	30.5	30.8	31.0
-41.25°	28.8	28.8	28.8	28.8	29.0	29.2	29.5	29.7	29.9	30.2	30.5
-42.5°	28.8	28.8	28.8	28.8	28.8	28.9	29.1	29.3	29.5	29.7	29.9
-43.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.1	29.3	29.5
-45°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.1
-46.25°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-47.5°	28.3	28.5	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-48.75°	28.0	28.2	28.4	28.6	28.7	28.8	28.8	28.8	28.8	28.8	28.8
-50°	27.2	27.7	28.0	28.2	28.4	28.5	28.7	28.8	28.8	28.8	28.8
-51.25°	26.2	26.8	27.3	27.8	28.0	28.2	28.3	28.5	28.6	28.8	28.8
-52.5°	25.3	25.8	26.3	26.8	27.2	27.7	28.0	28.1	28.3	28.4	28.5
-53.75°	24.5	24.9	25.3	25.8	26.2	26.6	27.0	27.4	27.8	28.0	28.1
-55°	23.7	24.1	24.5	24.8	25.2	25.6	26.0	26.4	26.7	27.1	27.4
-56.25°	22.6	23.2	23.6	24.0	24.3	24.7	25.0	25.3	25.6	26.0	26.3
-57.5°	21.3	21.9	22.4	23.0	23.4	23.7	24.0	24.4	24.6	24.9	25.2
-58.75°	20.0	20.6	21.1	21.6	22.1	22.6	23.1	23.4	23.7	23.9	24.2
-60°	18.6	19.2	19.7	20.2	20.7	21.2	21.6	22.0	22.4	22.8	23.2
-61.25°	17.3	17.8	18.3	18.8	19.3	19.7	20.1	20.6	20.9	21.3	21.7
-62.5°	16.0	16.4	16.9	17.4	17.8	18.2	18.6	19.1	19.4	19.8	20.1
-63.75°	14.8	15.2	15.6	16.0	16.3	16.7	17.1	17.5	17.9	18.2	18.6
-65°	13.6	14.0	14.4	14.7	15.1	15.4	15.7	16.0	16.3	16.7	17.0
-66.25°	12.5	12.8	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.5
-67.5°	11.5	11.8	12.1	12.4	12.6	12.9	13.1	13.4	13.7	13.9	14.1
-68.75°	10.5	10.7	11.0	11.3	11.5	11.8	12.0	12.2	12.4	12.6	12.8
-70°	9.9	10.0	10.2	10.4	10.5	10.7	10.9	11.1	11.3	11.5	11.7
-71.25°	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5
-72.5°	8.8	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.6	9.7	9.8
-73.75°	8.4	8.5	8.6	8.6	8.7	8.7	8.8	8.9	8.9	8.9	9.0
-75°	8.1	8.2	8.2	8.3	8.3	8.4	8.4	8.5	8.5	8.6	8.6
-76.25°	7.5	7.6	7.7	7.8	7.9	8.0	8.0	8.1	8.2	8.2	8.3
-77.5°	7.0	7.1	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	7.0	7.0	7.1
-80°	5.7	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.3	6.3	6.4
-81.25°	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.4	5.5	5.5	5.6
-82.5°	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.8
-83.75°	3.5	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.9	3.9	4.0
-85°	2.6	2.7	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.0	3.1
-86.25°	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1
-87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2
-88.75°	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3
85°	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4
83.75°	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2
82.5°	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
81.25°	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0
80°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
78.75°	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.5	7.5
77.5°	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1
76.25°	8.3	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5
75°	8.7	8.7	8.7	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9
73.75°	9.1	9.2	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.7	9.7
72.5°	9.9	10.0	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6
71.25°	10.7	10.8	10.9	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8
70°	11.8	12.0	12.2	12.3	12.4	12.6	12.7	12.8	12.9	13.0	13.0
68.75°	13.0	13.2	13.4	13.6	13.7	13.9	14.0	14.2	14.3	14.4	14.5
67.5°	14.4	14.6	14.8	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.0
66.25°	15.8	16.0	16.2	16.4	16.6	16.9	17.0	17.2	17.4	17.5	17.6
65°	17.3	17.6	17.8	18.1	18.3	18.5	18.7	18.9	19.1	19.2	19.4
63.75°	18.9	19.2	19.5	19.7	20.0	20.2	20.4	20.6	20.8	20.9	21.1
62.5°	20.5	20.8	21.1	21.3	21.6	21.8	22.0	22.2	22.4	22.6	22.7
61.25°	22.0	22.3	22.6	22.9	23.2	23.4	23.5	23.6	23.8	23.9	24.0
60°	23.4	23.7	23.9	24.1	24.2	24.4	24.6	24.7	24.8	25.0	25.1
58.75°	24.4	24.7	24.9	25.1	25.3	25.5	25.7	25.8	26.0	26.1	26.2
57.5°	25.5	25.7	26.0	26.2	26.5	26.7	26.9	27.0	27.2	27.3	27.5
56.25°	26.6	26.9	27.1	27.4	27.6	27.9	28.0	28.0	28.1	28.1	28.2
55°	27.7	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.5	28.6	28.6
53.75°	28.2	28.4	28.5	28.6	28.7	28.7	28.8	28.8	28.8	28.8	28.8
52.5°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
48.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.0	29.0
47.5°	28.8	28.8	28.8	28.8	29.0	29.1	29.2	29.3	29.3	29.4	29.5
46.25°	28.8	29.0	29.1	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0
45°	29.2	29.4	29.5	29.7	29.8	30.0	30.2	30.3	30.4	30.6	30.7
43.75°	29.6	29.8	30.0	30.2	30.4	30.6	30.8	30.9	31.1	31.2	31.3
42.5°	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.5	31.6	31.7	31.9
41.25°	30.7	31.0	31.2	31.4	31.6	31.8	31.9	32.1	32.2	32.3	32.5
40°	31.3	31.5	31.7	31.9	32.1	32.3	32.5	32.7	32.8	33.0	33.1
38.75°	31.8	32.0	32.3	32.5	32.7	32.9	33.1	33.3	33.4	33.6	33.7
37.5°	32.3	32.6	32.8	33.1	33.3	33.5	33.7	33.9	34.1	34.2	34.4
36.25°	32.8	33.1	33.4	33.6	33.9	34.1	34.3	34.5	34.7	34.9	35.2
35°	33.4	33.7	34.0	34.2	34.5	34.7	35.0	35.4	35.8	36.1	36.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°
33.75°	33.9	34.2	34.5	34.8	35.3	35.8	36.2	36.6	37.0	37.4	38.2
32.5°	34.4	34.8	35.3	35.9	36.4	36.9	37.4	38.6	39.8	40.8	41.7
31.25°	35.1	35.8	36.4	37.0	37.9	39.3	40.7	42.0	43.2	44.2	45.3
30°	36.2	36.8	37.7	39.4	41.0	42.6	44.0	45.5	46.9	48.2	49.4
28.75°	37.2	38.8	40.7	42.5	44.2	46.0	47.7	49.4	50.9	52.3	53.6
27.5°	39.6	41.7	43.6	45.6	47.7	49.7	51.6	53.3	55.8	58.2	62.8
26.25°	42.4	44.5	46.9	49.2	51.4	53.5	56.6	60.8	68.4	76.2	91.0
25°	45.2	47.8	50.3	52.6	55.9	60.4	69.8	83.5	102.6	122.9	144.7
23.75°	48.3	51.0	53.8	57.8	66.7	80.2	103.5	130.2	158.1	186.6	213.3
22.5°	51.4	54.7	59.3	71.3	93.6	122.0	155.9	191.3	225.5	259.1	289.5
21.25°	55.0	61.1	74.0	102.5	138.0	177.2	218.6	259.8	298.6	334.1	366.2
20°	61.1	75.1	107.1	147.7	192.7	239.3	286.1	330.0	370.9	402.4	423.1
18.75°	74.0	107.1	151.0	200.5	252.3	303.9	352.9	396.7	423.0	447.2	469.1
17.5°	102.5	147.7	200.5	256.7	312.9	366.8	408.4	438.0	465.7	491.3	510.7
16.25°	138.0	192.7	252.3	312.9	371.4	414.3	447.2	478.3	505.0	526.8	550.9
15°	177.2	239.3	303.9	366.8	414.3	450.2	484.7	513.0	540.1	568.3	597.9
13.75°	218.6	286.1	352.9	408.4	447.2	484.7	515.7	546.9	580.5	615.7	657.9
12.5°	259.8	330.0	396.7	438.0	478.3	513.0	546.9	584.6	627.1	677.1	744.3
11.25°	298.6	370.9	423.0	465.7	505.0	540.1	580.5	627.1	686.2	763.3	852.2
10°	334.1	402.4	447.2	491.3	526.8	568.3	615.7	677.1	763.3	864.8	985.4
8.75°	366.2	423.1	469.1	510.7	550.9	597.9	657.9	744.3	852.2	985.4	1145.1
7.5°	393.9	441.5	488.6	527.4	573.3	628.7	707.1	815.2	950.9	1121.4	1337.1
6.25°	408.9	457.3	503.3	544.9	595.0	659.7	756.9	883.6	1051.4	1268.1	1557.4
5°	421.3	470.5	514.6	559.6	613.4	692.1	807.5	957.6	1154.9	1423.0	1791.5
3.75°	431.0	480.9	523.6	571.9	632.7	723.1	849.4	1017.2	1248.9	1580.3	2028.5
2.5°	438.1	488.4	530.7	581.7	646.7	745.7	880.9	1071.4	1333.2	1708.9	2211.2
1.25°	442.3	493.0	535.4	587.5	655.2	759.5	905.2	1105.5	1384.9	1788.4	2335.1
0°	443.8	494.5	537.0	589.5	658.1	764.1	913.4	1117.1	1402.4	1815.3	2379.4
-1.25°	442.3	493.0	535.4	587.5	655.2	759.5	905.2	1105.5	1384.9	1788.4	2335.1
-2.5°	438.1	488.4	530.7	581.7	646.7	745.7	880.9	1071.4	1333.2	1708.9	2211.2
-3.75°	431.0	480.9	523.6	571.9	632.7	723.1	849.4	1017.2	1248.9	1580.3	2028.5
-5°	421.3	470.5	514.6	559.6	613.4	692.1	807.5	957.6	1154.9	1423.0	1791.5
-6.25°	408.9	457.3	503.3	544.9	595.0	659.7	756.9	883.6	1051.4	1268.1	1557.4
-7.5°	393.9	441.5	488.6	527.4	573.3	628.7	707.1	815.2	950.9	1121.4	1337.1
-8.75°	366.2	423.1	469.1	510.7	550.9	597.9	657.9	744.3	852.2	985.4	1145.1
-10°	334.1	402.4	447.2	491.3	526.8	568.3	615.7	677.1	763.3	864.8	985.4
-11.25°	298.6	370.9	423.0	465.7	505.0	540.1	580.5	627.1	686.2	763.3	852.2
-12.5°	259.8	330.0	396.7	438.0	478.3	513.0	546.9	584.6	627.1	677.1	744.3
-13.75°	218.6	286.1	352.9	408.4	447.2	484.7	515.7	546.9	580.5	615.7	657.9
-15°	177.2	239.3	303.9	366.8	414.3	450.2	484.7	513.0	540.1	568.3	597.9
-16.25°	138.0	192.7	252.3	312.9	371.4	414.3	447.2	478.3	505.0	526.8	550.9
-17.5°	102.5	147.7	200.5	256.7	312.9	366.8	408.4	438.0	465.7	491.3	510.7
-18.75°	74.0	107.1	151.0	200.5	252.3	303.9	352.9	396.7	423.0	447.2	469.1
-20°	61.1	75.1	107.1	147.7	192.7	239.3	286.1	330.0	370.9	402.4	423.1
-21.25°	55.0	61.1	74.0	102.5	138.0	177.2	218.6	259.8	298.6	334.1	366.2



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	51.4	54.7	59.3	71.3	93.6	122.0	155.9	191.3	225.5	259.1	289.5
-23.75°	48.3	51.0	53.8	57.8	66.7	80.2	103.5	130.2	158.1	186.6	213.3
-25°	45.2	47.8	50.3	52.6	55.9	60.4	69.8	83.5	102.6	122.9	144.7
-26.25°	42.4	44.5	46.9	49.2	51.4	53.5	56.6	60.8	68.4	76.2	91.0
-27.5°	39.6	41.7	43.6	45.6	47.7	49.7	51.6	53.3	55.8	58.2	62.8
-28.75°	37.2	38.8	40.7	42.5	44.2	46.0	47.7	49.4	50.9	52.3	53.6
-30°	36.2	36.8	37.7	39.4	41.0	42.6	44.0	45.5	46.9	48.2	49.4
-31.25°	35.1	35.8	36.4	37.0	37.9	39.3	40.7	42.0	43.2	44.2	45.3
-32.5°	34.4	34.8	35.3	35.9	36.4	36.9	37.4	38.6	39.8	40.8	41.7
-33.75°	33.9	34.2	34.5	34.8	35.3	35.8	36.2	36.6	37.0	37.4	38.2
-35°	33.4	33.7	34.0	34.2	34.5	34.7	35.0	35.4	35.8	36.1	36.4
-36.25°	32.8	33.1	33.4	33.6	33.9	34.1	34.3	34.5	34.7	34.9	35.2
-37.5°	32.3	32.6	32.8	33.1	33.3	33.5	33.7	33.9	34.1	34.2	34.4
-38.75°	31.8	32.0	32.3	32.5	32.7	32.9	33.1	33.3	33.4	33.6	33.7
-40°	31.3	31.5	31.7	31.9	32.1	32.3	32.5	32.7	32.8	33.0	33.1
-41.25°	30.7	31.0	31.2	31.4	31.6	31.8	31.9	32.1	32.2	32.3	32.5
-42.5°	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.5	31.6	31.7	31.9
-43.75°	29.6	29.8	30.0	30.2	30.4	30.6	30.8	30.9	31.1	31.2	31.3
-45°	29.2	29.4	29.5	29.7	29.8	30.0	30.2	30.3	30.4	30.6	30.7
-46.25°	28.8	29.0	29.1	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0
-47.5°	28.8	28.8	28.8	28.8	29.0	29.1	29.2	29.3	29.3	29.4	29.5
-48.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.9	29.0	29.0
-50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-52.5°	28.6	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-53.75°	28.2	28.4	28.5	28.6	28.7	28.7	28.8	28.8	28.8	28.8	28.8
-55°	27.7	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.5	28.6	28.6
-56.25°	26.6	26.9	27.1	27.4	27.6	27.9	28.0	28.0	28.1	28.1	28.2
-57.5°	25.5	25.7	26.0	26.2	26.5	26.7	26.9	27.0	27.2	27.3	27.5
-58.75°	24.4	24.7	24.9	25.1	25.3	25.5	25.7	25.8	26.0	26.1	26.2
-60°	23.4	23.7	23.9	24.1	24.2	24.4	24.6	24.7	24.8	25.0	25.1
-61.25°	22.0	22.3	22.6	22.9	23.2	23.4	23.5	23.6	23.8	23.9	24.0
-62.5°	20.5	20.8	21.1	21.3	21.6	21.8	22.0	22.2	22.4	22.6	22.7
-63.75°	18.9	19.2	19.5	19.7	20.0	20.2	20.4	20.6	20.8	20.9	21.1
-65°	17.3	17.6	17.8	18.1	18.3	18.5	18.7	18.9	19.1	19.2	19.4
-66.25°	15.8	16.0	16.2	16.4	16.6	16.9	17.0	17.2	17.4	17.5	17.6
-67.5°	14.4	14.6	14.8	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.0
-68.75°	13.0	13.2	13.4	13.6	13.7	13.9	14.0	14.2	14.3	14.4	14.5
-70°	11.8	12.0	12.2	12.3	12.4	12.6	12.7	12.8	12.9	13.0	13.0
-71.25°	10.7	10.8	10.9	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8
-72.5°	9.9	10.0	10.0	10.1	10.2	10.3	10.3	10.4	10.5	10.5	10.6
-73.75°	9.1	9.2	9.2	9.3	9.4	9.5	9.5	9.6	9.6	9.7	9.7
-75°	8.7	8.7	8.7	8.8	8.8	8.8	8.9	8.9	8.9	8.9	8.9
-76.25°	8.3	8.3	8.4	8.4	8.4	8.4	8.5	8.5	8.5	8.5	8.5
-77.5°	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.0	8.1	8.1	8.1



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.5	7.5
-80°	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.8
-81.25°	5.6	5.7	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0
-82.5°	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1
-83.75°	4.0	4.0	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2
-85°	3.1	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.3	3.3	3.4
-86.25°	2.1	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3
-87.5°	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
81.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
80°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
78.75°	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5
77.5°	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
76.25°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
73.75°	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.8	9.8	9.8	9.8
72.5°	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
71.25°	11.8	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
70°	13.1	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2
68.75°	14.6	14.6	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.7	14.7
67.5°	16.1	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.2	16.2
66.25°	17.7	17.8	17.9	18.0	18.0	18.0	18.1	18.0	18.0	18.0	17.9
65°	19.5	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.7	19.7
63.75°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
62.5°	22.9	23.0	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.1	23.0
61.25°	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.2	24.2
60°	25.2	25.2	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.3	25.3
58.75°	26.4	26.4	26.5	26.6	26.6	26.6	26.7	26.6	26.6	26.6	26.5
57.5°	27.6	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.8
56.25°	28.2	28.3	28.3	28.3	28.3	28.3	28.4	28.3	28.3	28.3	28.3
55°	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7
53.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
52.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
48.75°	29.1	29.1	29.2	29.2	29.2	29.2	29.3	29.2	29.2	29.2	29.2
47.5°	29.5	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.6
46.25°	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.3	30.3	30.3	30.2
45°	30.7	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	30.9	30.9
43.75°	31.4	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.5	31.5
42.5°	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
41.25°	32.6	32.6	32.7	32.8	32.8	32.8	32.9	32.8	32.8	32.8	32.7
40°	33.2	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.4	33.4
38.75°	33.8	33.9	34.0	34.1	34.1	34.1	34.2	34.1	34.1	34.1	34.0
37.5°	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.7	34.7
36.25°	35.4	35.6	35.8	35.9	36.0	36.1	36.1	36.1	36.0	35.9	35.8
35°	36.7	36.9	37.1	37.2	37.3	37.4	37.4	37.4	37.3	37.2	37.1



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	38.9	39.6	40.1	40.5	40.8	41.0	41.1	41.0	40.8	40.5	40.1
32.5°	42.5	43.2	43.7	44.1	44.5	44.6	44.7	44.6	44.5	44.1	43.7
31.25°	46.3	47.1	47.8	48.3	48.7	48.9	49.0	48.9	48.7	48.3	47.8
30°	50.4	51.3	52.0	52.6	53.0	53.2	53.3	53.2	53.0	52.6	52.0
28.75°	55.4	56.9	58.1	59.3	61.3	62.5	62.9	62.5	61.3	59.3	58.1
27.5°	68.0	72.5	78.0	84.9	89.8	92.8	93.8	92.8	89.8	84.9	78.0
26.25°	104.1	116.3	129.1	139.2	146.5	150.8	152.3	150.8	146.5	139.2	129.1
25°	163.8	182.7	198.5	210.9	219.8	225.2	227.0	225.2	219.8	210.9	198.5
23.75°	237.6	259.4	277.4	291.6	301.8	307.9	310.0	307.9	301.8	291.6	277.4
22.5°	316.3	339.3	358.4	373.5	384.3	390.8	393.0	390.8	384.3	373.5	358.4
21.25°	393.9	408.9	421.3	431.0	438.1	442.3	443.8	442.3	438.1	431.0	421.3
20°	441.5	457.3	470.5	480.9	488.4	493.0	494.5	493.0	488.4	480.9	470.5
18.75°	488.6	503.3	514.6	523.6	530.7	535.4	537.0	535.4	530.7	523.6	514.6
17.5°	527.4	544.9	559.6	571.9	581.7	587.5	589.5	587.5	581.7	571.9	559.6
16.25°	573.3	595.0	613.4	632.7	646.7	655.2	658.1	655.2	646.7	632.7	613.4
15°	628.7	659.7	692.1	723.1	745.7	759.5	764.1	759.5	745.7	723.1	692.1
13.75°	707.1	756.9	807.5	849.4	880.9	905.2	913.4	905.2	880.9	849.4	807.5
12.5°	815.2	883.6	957.6	1017.2	1071.4	1105.5	1117.1	1105.5	1071.4	1017.2	957.6
11.25°	950.9	1051.4	1154.9	1248.9	1333.2	1384.9	1402.4	1384.9	1333.2	1248.9	1154.9
10°	1121.4	1268.1	1423.0	1580.3	1708.9	1788.4	1815.3	1788.4	1708.9	1580.3	1423.0
8.75°	1337.1	1557.4	1791.5	2028.5	2211.2	2335.1	2379.4	2335.1	2211.2	2028.5	1791.5
7.5°	1608.8	1924.4	2251.3	2564.8	2807.6	2969.0	3024.2	2969.0	2807.6	2564.8	2251.3
6.25°	1924.4	2339.2	2756.9	3139.7	3436.4	3625.8	3691.3	3625.8	3436.4	3139.7	2756.9
5°	2251.3	2756.9	3256.9	3692.8	4032.8	4253.6	4331.5	4253.6	4032.8	3692.8	3256.9
3.75°	2564.8	3139.7	3692.8	4178.6	4550.3	4791.8	4866.1	4791.8	4550.3	4178.6	3692.8
2.5°	2807.6	3436.4	4032.8	4550.3	4945.0	5197.1	5277.5	5197.1	4945.0	4550.3	4032.8
1.25°	2969.0	3625.8	4253.6	4791.8	5197.1	5453.8	5542.8	5453.8	5197.1	4791.8	4253.6
0°	3024.2	3691.3	4331.5	4866.1	5277.5	5542.8	5659.7	5542.8	5277.5	4866.1	4331.5
-1.25°	2969.0	3625.8	4253.6	4791.8	5197.1	5453.8	5542.8	5453.8	5197.1	4791.8	4253.6
-2.5°	2807.6	3436.4	4032.8	4550.3	4945.0	5197.1	5277.5	5197.1	4945.0	4550.3	4032.8
-3.75°	2564.8	3139.7	3692.8	4178.6	4550.3	4791.8	4866.1	4791.8	4550.3	4178.6	3692.8
-5°	2251.3	2756.9	3256.9	3692.8	4032.8	4253.6	4331.5	4253.6	4032.8	3692.8	3256.9
-6.25°	1924.4	2339.2	2756.9	3139.7	3436.4	3625.8	3691.3	3625.8	3436.4	3139.7	2756.9
-7.5°	1608.8	1924.4	2251.3	2564.8	2807.6	2969.0	3024.2	2969.0	2807.6	2564.8	2251.3
-8.75°	1337.1	1557.4	1791.5	2028.5	2211.2	2335.1	2379.4	2335.1	2211.2	2028.5	1791.5
-10°	1121.4	1268.1	1423.0	1580.3	1708.9	1788.4	1815.3	1788.4	1708.9	1580.3	1423.0
-11.25°	950.9	1051.4	1154.9	1248.9	1333.2	1384.9	1402.4	1384.9	1333.2	1248.9	1154.9
-12.5°	815.2	883.6	957.6	1017.2	1071.4	1105.5	1117.1	1105.5	1071.4	1017.2	957.6
-13.75°	707.1	756.9	807.5	849.4	880.9	905.2	913.4	905.2	880.9	849.4	807.5
-15°	628.7	659.7	692.1	723.1	745.7	759.5	764.1	759.5	745.7	723.1	692.1
-16.25°	573.3	595.0	613.4	632.7	646.7	655.2	658.1	655.2	646.7	632.7	613.4
-17.5°	527.4	544.9	559.6	571.9	581.7	587.5	589.5	587.5	581.7	571.9	559.6
-18.75°	488.6	503.3	514.6	523.6	530.7	535.4	537.0	535.4	530.7	523.6	514.6
-20°	441.5	457.3	470.5	480.9	488.4	493.0	494.5	493.0	488.4	480.9	470.5
-21.25°	393.9	408.9	421.3	431.0	438.1	442.3	443.8	442.3	438.1	431.0	421.3



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	316.3	339.3	358.4	373.5	384.3	390.8	393.0	390.8	384.3	373.5	358.4
-23.75°	237.6	259.4	277.4	291.6	301.8	307.9	310.0	307.9	301.8	291.6	277.4
-25°	163.8	182.7	198.5	210.9	219.8	225.2	227.0	225.2	219.8	210.9	198.5
-26.25°	104.1	116.3	129.1	139.2	146.5	150.8	152.3	150.8	146.5	139.2	129.1
-27.5°	68.0	72.5	78.0	84.9	89.8	92.8	93.8	92.8	89.8	84.9	78.0
-28.75°	55.4	56.9	58.1	59.3	61.3	62.5	62.9	62.5	61.3	59.3	58.1
-30°	50.4	51.3	52.0	52.6	53.0	53.2	53.3	53.2	53.0	52.6	52.0
-31.25°	46.3	47.1	47.8	48.3	48.7	48.9	49.0	48.9	48.7	48.3	47.8
-32.5°	42.5	43.2	43.7	44.1	44.5	44.6	44.7	44.6	44.5	44.1	43.7
-33.75°	38.9	39.6	40.1	40.5	40.8	41.0	41.1	41.0	40.8	40.5	40.1
-35°	36.7	36.9	37.1	37.2	37.3	37.4	37.4	37.4	37.3	37.2	37.1
-36.25°	35.4	35.6	35.8	35.9	36.0	36.1	36.1	36.1	36.0	35.9	35.8
-37.5°	34.5	34.6	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.7	34.7
-38.75°	33.8	33.9	34.0	34.1	34.1	34.1	34.2	34.1	34.1	34.1	34.0
-40°	33.2	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.4	33.4
-41.25°	32.6	32.6	32.7	32.8	32.8	32.8	32.9	32.8	32.8	32.8	32.7
-42.5°	31.9	32.0	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.1	32.1
-43.75°	31.4	31.4	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.5	31.5
-45°	30.7	30.8	30.9	30.9	31.0	31.0	31.0	31.0	31.0	30.9	30.9
-46.25°	30.1	30.2	30.2	30.3	30.3	30.3	30.4	30.3	30.3	30.3	30.2
-47.5°	29.5	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.6
-48.75°	29.1	29.1	29.2	29.2	29.2	29.2	29.3	29.2	29.2	29.2	29.2
-50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-52.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-53.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-55°	28.7	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7
-56.25°	28.2	28.3	28.3	28.3	28.3	28.3	28.4	28.3	28.3	28.3	28.3
-57.5°	27.6	27.7	27.8	27.8	27.9	27.9	27.9	27.9	27.9	27.8	27.8
-58.75°	26.4	26.4	26.5	26.6	26.6	26.6	26.7	26.6	26.6	26.6	26.5
-60°	25.2	25.2	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.3	25.3
-61.25°	24.1	24.1	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.2	24.2
-62.5°	22.9	23.0	23.0	23.1	23.2	23.2	23.2	23.2	23.2	23.1	23.0
-63.75°	21.2	21.3	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.4	21.4
-65°	19.5	19.6	19.7	19.7	19.8	19.8	19.8	19.8	19.8	19.7	19.7
-66.25°	17.7	17.8	17.9	18.0	18.0	18.0	18.1	18.0	18.0	18.0	17.9
-67.5°	16.1	16.1	16.2	16.2	16.3	16.3	16.3	16.3	16.3	16.2	16.2
-68.75°	14.6	14.6	14.7	14.7	14.8	14.8	14.8	14.8	14.8	14.7	14.7
-70°	13.1	13.2	13.2	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.2
-71.25°	11.8	11.9	11.9	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.9
-72.5°	10.6	10.6	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
-73.75°	9.8	9.8	9.8	9.8	9.8	9.8	9.9	9.8	9.8	9.8	9.8
-75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
-76.25°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
-77.5°	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	7.5	7.5	7.5	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.5
-80°	6.8	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
-81.25°	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
-82.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
-83.75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
-85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
-86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3	2.3	2.3
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2
85°	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
83.75°	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1
82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
81.25°	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.7
80°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
78.75°	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2
77.5°	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8
76.25°	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4
75°	9.0	9.0	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.7
73.75°	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.5	9.4	9.3	9.2
72.5°	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2	10.1	10.0
71.25°	11.9	11.8	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	10.9
70°	13.2	13.1	13.0	13.0	12.9	12.8	12.7	12.6	12.4	12.3	12.2
68.75°	14.6	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.7	13.6	13.4
67.5°	16.1	16.1	16.0	15.9	15.8	15.6	15.5	15.3	15.2	15.0	14.8
66.25°	17.8	17.7	17.6	17.5	17.4	17.2	17.0	16.9	16.6	16.4	16.2
65°	19.6	19.5	19.4	19.2	19.1	18.9	18.7	18.5	18.3	18.1	17.8
63.75°	21.3	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.7	19.5
62.5°	23.0	22.9	22.7	22.6	22.4	22.2	22.0	21.8	21.6	21.3	21.1
61.25°	24.1	24.1	24.0	23.9	23.8	23.6	23.5	23.4	23.2	22.9	22.6
60°	25.2	25.2	25.1	25.0	24.8	24.7	24.6	24.4	24.2	24.1	23.9
58.75°	26.4	26.4	26.2	26.1	26.0	25.8	25.7	25.5	25.3	25.1	24.9
57.5°	27.7	27.6	27.5	27.3	27.2	27.0	26.9	26.7	26.5	26.2	26.0
56.25°	28.3	28.2	28.2	28.1	28.1	28.0	28.0	27.9	27.6	27.4	27.1
55°	28.7	28.7	28.6	28.6	28.5	28.5	28.4	28.3	28.2	28.1	28.0
53.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.7	28.6	28.5
52.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
48.75°	29.1	29.1	29.0	29.0	28.9	28.8	28.8	28.8	28.8	28.8	28.8
47.5°	29.6	29.5	29.5	29.4	29.3	29.3	29.2	29.1	29.0	28.8	28.8
46.25°	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.1
45°	30.8	30.7	30.7	30.6	30.4	30.3	30.2	30.0	29.8	29.7	29.5
43.75°	31.4	31.4	31.3	31.2	31.1	30.9	30.8	30.6	30.4	30.2	30.0
42.5°	32.0	31.9	31.9	31.7	31.6	31.5	31.4	31.2	31.0	30.8	30.6
41.25°	32.6	32.6	32.5	32.3	32.2	32.1	31.9	31.8	31.6	31.4	31.2
40°	33.3	33.2	33.1	33.0	32.8	32.7	32.5	32.3	32.1	31.9	31.7
38.75°	33.9	33.8	33.7	33.6	33.4	33.3	33.1	32.9	32.7	32.5	32.3
37.5°	34.6	34.5	34.4	34.2	34.1	33.9	33.7	33.5	33.3	33.1	32.8
36.25°	35.6	35.4	35.2	34.9	34.7	34.5	34.3	34.1	33.9	33.6	33.4
35°	36.9	36.7	36.4	36.1	35.8	35.4	35.0	34.7	34.5	34.2	34.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	39.6	38.9	38.2	37.4	37.0	36.6	36.2	35.8	35.3	34.8	34.5
32.5°	43.2	42.5	41.7	40.8	39.8	38.6	37.4	36.9	36.4	35.9	35.3
31.25°	47.1	46.3	45.3	44.2	43.2	42.0	40.7	39.3	37.9	37.0	36.4
30°	51.3	50.4	49.4	48.2	46.9	45.5	44.0	42.6	41.0	39.4	37.7
28.75°	56.9	55.4	53.6	52.3	50.9	49.4	47.7	46.0	44.2	42.5	40.7
27.5°	72.5	68.0	62.8	58.2	55.8	53.3	51.6	49.7	47.7	45.6	43.6
26.25°	116.3	104.1	91.0	76.2	68.4	60.8	56.6	53.5	51.4	49.2	46.9
25°	182.7	163.8	144.7	122.9	102.6	83.5	69.8	60.4	55.9	52.6	50.3
23.75°	259.4	237.6	213.3	186.6	158.1	130.2	103.5	80.2	66.7	57.8	53.8
22.5°	339.3	316.3	289.5	259.1	225.5	191.3	155.9	122.0	93.6	71.3	59.3
21.25°	408.9	393.9	366.2	334.1	298.6	259.8	218.6	177.2	138.0	102.5	74.0
20°	457.3	441.5	423.1	402.4	370.9	330.0	286.1	239.3	192.7	147.7	107.1
18.75°	503.3	488.6	469.1	447.2	423.0	396.7	352.9	303.9	252.3	200.5	151.0
17.5°	544.9	527.4	510.7	491.3	465.7	438.0	408.4	366.8	312.9	256.7	200.5
16.25°	595.0	573.3	550.9	526.8	505.0	478.3	447.2	414.3	371.4	312.9	252.3
15°	659.7	628.7	597.9	568.3	540.1	513.0	484.7	450.2	414.3	366.8	303.9
13.75°	756.9	707.1	657.9	615.7	580.5	546.9	515.7	484.7	447.2	408.4	352.9
12.5°	883.6	815.2	744.3	677.1	627.1	584.6	546.9	513.0	478.3	438.0	396.7
11.25°	1051.4	950.9	852.2	763.3	686.2	627.1	580.5	540.1	505.0	465.7	423.0
10°	1268.1	1121.4	985.4	864.8	763.3	677.1	615.7	568.3	526.8	491.3	447.2
8.75°	1557.4	1337.1	1145.1	985.4	852.2	744.3	657.9	597.9	550.9	510.7	469.1
7.5°	1924.4	1608.8	1337.1	1121.4	950.9	815.2	707.1	628.7	573.3	527.4	488.6
6.25°	2339.2	1924.4	1557.4	1268.1	1051.4	883.6	756.9	659.7	595.0	544.9	503.3
5°	2756.9	2251.3	1791.5	1423.0	1154.9	957.6	807.5	692.1	613.4	559.6	514.6
3.75°	3139.7	2564.8	2028.5	1580.3	1248.9	1017.2	849.4	723.1	632.7	571.9	523.6
2.5°	3436.4	2807.6	2211.2	1708.9	1333.2	1071.4	880.9	745.7	646.7	581.7	530.7
1.25°	3625.8	2969.0	2335.1	1788.4	1384.9	1105.5	905.2	759.5	655.2	587.5	535.4
0°	3691.3	3024.2	2379.4	1815.3	1402.4	1117.1	913.4	764.1	658.1	589.5	537.0
-1.25°	3625.8	2969.0	2335.1	1788.4	1384.9	1105.5	905.2	759.5	655.2	587.5	535.4
-2.5°	3436.4	2807.6	2211.2	1708.9	1333.2	1071.4	880.9	745.7	646.7	581.7	530.7
-3.75°	3139.7	2564.8	2028.5	1580.3	1248.9	1017.2	849.4	723.1	632.7	571.9	523.6
-5°	2756.9	2251.3	1791.5	1423.0	1154.9	957.6	807.5	692.1	613.4	559.6	514.6
-6.25°	2339.2	1924.4	1557.4	1268.1	1051.4	883.6	756.9	659.7	595.0	544.9	503.3
-7.5°	1924.4	1608.8	1337.1	1121.4	950.9	815.2	707.1	628.7	573.3	527.4	488.6
-8.75°	1557.4	1337.1	1145.1	985.4	852.2	744.3	657.9	597.9	550.9	510.7	469.1
-10°	1268.1	1121.4	985.4	864.8	763.3	677.1	615.7	568.3	526.8	491.3	447.2
-11.25°	1051.4	950.9	852.2	763.3	686.2	627.1	580.5	540.1	505.0	465.7	423.0
-12.5°	883.6	815.2	744.3	677.1	627.1	584.6	546.9	513.0	478.3	438.0	396.7
-13.75°	756.9	707.1	657.9	615.7	580.5	546.9	515.7	484.7	447.2	408.4	352.9
-15°	659.7	628.7	597.9	568.3	540.1	513.0	484.7	450.2	414.3	366.8	303.9
-16.25°	595.0	573.3	550.9	526.8	505.0	478.3	447.2	414.3	371.4	312.9	252.3
-17.5°	544.9	527.4	510.7	491.3	465.7	438.0	408.4	366.8	312.9	256.7	200.5
-18.75°	503.3	488.6	469.1	447.2	423.0	396.7	352.9	303.9	252.3	200.5	151.0
-20°	457.3	441.5	423.1	402.4	370.9	330.0	286.1	239.3	192.7	147.7	107.1
-21.25°	408.9	393.9	366.2	334.1	298.6	259.8	218.6	177.2	138.0	102.5	74.0



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	339.3	316.3	289.5	259.1	225.5	191.3	155.9	122.0	93.6	71.3	59.3
-23.75°	259.4	237.6	213.3	186.6	158.1	130.2	103.5	80.2	66.7	57.8	53.8
-25°	182.7	163.8	144.7	122.9	102.6	83.5	69.8	60.4	55.9	52.6	50.3
-26.25°	116.3	104.1	91.0	76.2	68.4	60.8	56.6	53.5	51.4	49.2	46.9
-27.5°	72.5	68.0	62.8	58.2	55.8	53.3	51.6	49.7	47.7	45.6	43.6
-28.75°	56.9	55.4	53.6	52.3	50.9	49.4	47.7	46.0	44.2	42.5	40.7
-30°	51.3	50.4	49.4	48.2	46.9	45.5	44.0	42.6	41.0	39.4	37.7
-31.25°	47.1	46.3	45.3	44.2	43.2	42.0	40.7	39.3	37.9	37.0	36.4
-32.5°	43.2	42.5	41.7	40.8	39.8	38.6	37.4	36.9	36.4	35.9	35.3
-33.75°	39.6	38.9	38.2	37.4	37.0	36.6	36.2	35.8	35.3	34.8	34.5
-35°	36.9	36.7	36.4	36.1	35.8	35.4	35.0	34.7	34.5	34.2	34.0
-36.25°	35.6	35.4	35.2	34.9	34.7	34.5	34.3	34.1	33.9	33.6	33.4
-37.5°	34.6	34.5	34.4	34.2	34.1	33.9	33.7	33.5	33.3	33.1	32.8
-38.75°	33.9	33.8	33.7	33.6	33.4	33.3	33.1	32.9	32.7	32.5	32.3
-40°	33.3	33.2	33.1	33.0	32.8	32.7	32.5	32.3	32.1	31.9	31.7
-41.25°	32.6	32.6	32.5	32.3	32.2	32.1	31.9	31.8	31.6	31.4	31.2
-42.5°	32.0	31.9	31.9	31.7	31.6	31.5	31.4	31.2	31.0	30.8	30.6
-43.75°	31.4	31.4	31.3	31.2	31.1	30.9	30.8	30.6	30.4	30.2	30.0
-45°	30.8	30.7	30.7	30.6	30.4	30.3	30.2	30.0	29.8	29.7	29.5
-46.25°	30.2	30.1	30.0	29.9	29.8	29.7	29.6	29.5	29.4	29.3	29.1
-47.5°	29.6	29.5	29.5	29.4	29.3	29.3	29.2	29.1	29.0	28.8	28.8
-48.75°	29.1	29.1	29.0	29.0	28.9	28.8	28.8	28.8	28.8	28.8	28.8
-50°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-51.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-52.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-53.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.7	28.6	28.5
-55°	28.7	28.7	28.6	28.6	28.5	28.5	28.4	28.3	28.2	28.1	28.0
-56.25°	28.3	28.2	28.2	28.1	28.1	28.0	28.0	27.9	27.6	27.4	27.1
-57.5°	27.7	27.6	27.5	27.3	27.2	27.0	26.9	26.7	26.5	26.2	26.0
-58.75°	26.4	26.4	26.2	26.1	26.0	25.8	25.7	25.5	25.3	25.1	24.9
-60°	25.2	25.2	25.1	25.0	24.8	24.7	24.6	24.4	24.2	24.1	23.9
-61.25°	24.1	24.1	24.0	23.9	23.8	23.6	23.5	23.4	23.2	22.9	22.6
-62.5°	23.0	22.9	22.7	22.6	22.4	22.2	22.0	21.8	21.6	21.3	21.1
-63.75°	21.3	21.2	21.1	20.9	20.8	20.6	20.4	20.2	20.0	19.7	19.5
-65°	19.6	19.5	19.4	19.2	19.1	18.9	18.7	18.5	18.3	18.1	17.8
-66.25°	17.8	17.7	17.6	17.5	17.4	17.2	17.0	16.9	16.6	16.4	16.2
-67.5°	16.1	16.1	16.0	15.9	15.8	15.6	15.5	15.3	15.2	15.0	14.8
-68.75°	14.6	14.6	14.5	14.4	14.3	14.2	14.0	13.9	13.7	13.6	13.4
-70°	13.2	13.1	13.0	13.0	12.9	12.8	12.7	12.6	12.4	12.3	12.2
-71.25°	11.9	11.8	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	10.9
-72.5°	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2	10.1	10.0
-73.75°	9.8	9.8	9.7	9.7	9.6	9.6	9.5	9.5	9.4	9.3	9.2
-75°	9.0	9.0	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.8	8.7
-76.25°	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4	8.4
-77.5°	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	7.5	7.5	7.5	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.2
-80°	6.9	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.6	6.6	6.5
-81.25°	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.8	5.8	5.7
-82.5°	5.2	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.0	4.9	4.9
-83.75°	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1
-85°	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2
-86.25°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2
-87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
86.25°	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9
85°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
83.75°	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6
82.5°	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4
81.25°	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
80°	6.5	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
78.75°	7.2	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.5
77.5°	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2	7.2
76.25°	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7
75°	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
73.75°	9.2	9.1	9.0	8.9	8.9	8.9	8.8	8.7	8.7	8.6	8.6
72.5°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	9.0	8.9
71.25°	10.8	10.7	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.6	9.5
70°	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.4	10.2
68.75°	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.3	11.0
67.5°	14.6	14.4	14.1	13.9	13.7	13.4	13.1	12.9	12.6	12.4	12.1
66.25°	16.0	15.8	15.5	15.3	15.0	14.7	14.4	14.1	13.8	13.5	13.2
65°	17.6	17.3	17.0	16.7	16.3	16.0	15.7	15.4	15.1	14.7	14.4
63.75°	19.2	18.9	18.6	18.2	17.9	17.5	17.1	16.7	16.3	16.0	15.6
62.5°	20.8	20.5	20.1	19.8	19.4	19.1	18.6	18.2	17.8	17.4	16.9
61.25°	22.3	22.0	21.7	21.3	20.9	20.6	20.1	19.7	19.3	18.8	18.3
60°	23.7	23.4	23.2	22.8	22.4	22.0	21.6	21.2	20.7	20.2	19.7
58.75°	24.7	24.4	24.2	23.9	23.7	23.4	23.1	22.6	22.1	21.6	21.1
57.5°	25.7	25.5	25.2	24.9	24.6	24.4	24.0	23.7	23.4	23.0	22.4
56.25°	26.9	26.6	26.3	26.0	25.6	25.3	25.0	24.7	24.3	24.0	23.6
55°	27.9	27.7	27.4	27.1	26.7	26.4	26.0	25.6	25.2	24.8	24.5
53.75°	28.4	28.2	28.1	28.0	27.8	27.4	27.0	26.6	26.2	25.8	25.3
52.5°	28.8	28.6	28.5	28.4	28.3	28.1	28.0	27.7	27.2	26.8	26.3
51.25°	28.8	28.8	28.8	28.8	28.6	28.5	28.3	28.2	28.0	27.8	27.3
50°	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.5	28.4	28.2	28.0
48.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.6	28.4
47.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7
46.25°	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
45°	29.4	29.2	29.1	28.9	28.8	28.8	28.8	28.8	28.8	28.8	28.8
43.75°	29.8	29.6	29.5	29.3	29.1	28.9	28.8	28.8	28.8	28.8	28.8
42.5°	30.4	30.2	29.9	29.7	29.5	29.3	29.1	28.9	28.8	28.8	28.8
41.25°	31.0	30.7	30.5	30.2	29.9	29.7	29.5	29.2	29.0	28.8	28.8
40°	31.5	31.3	31.0	30.8	30.5	30.2	29.9	29.6	29.4	29.1	28.9
38.75°	32.0	31.8	31.5	31.3	31.0	30.7	30.4	30.0	29.7	29.5	29.2
37.5°	32.6	32.3	32.0	31.8	31.5	31.2	30.9	30.5	30.2	29.8	29.5
36.25°	33.1	32.8	32.5	32.2	31.9	31.6	31.3	31.0	30.6	30.3	29.9
35°	33.7	33.4	33.1	32.8	32.4	32.1	31.8	31.4	31.1	30.7	30.3



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	34.2	33.9	33.6	33.3	32.9	32.6	32.2	31.9	31.5	31.1	30.8
32.5°	34.8	34.4	34.1	33.8	33.4	33.1	32.7	32.3	31.9	31.5	31.2
31.25°	35.8	35.1	34.6	34.3	33.9	33.5	33.1	32.7	32.3	31.9	31.5
30°	36.8	36.2	35.5	34.8	34.4	34.0	33.6	33.2	32.8	32.3	31.9
28.75°	38.8	37.2	36.5	35.7	34.9	34.5	34.0	33.6	33.2	32.7	32.3
27.5°	41.7	39.6	37.5	36.7	35.8	35.0	34.5	34.0	33.6	33.1	32.7
26.25°	44.5	42.4	40.2	37.9	36.7	35.9	35.0	34.5	34.0	33.5	33.1
25°	47.8	45.2	42.8	40.5	38.1	36.7	35.8	34.9	34.4	33.9	33.4
23.75°	51.0	48.3	45.5	43.0	40.5	37.9	36.7	35.7	34.8	34.3	33.8
22.5°	54.7	51.4	48.5	45.5	42.8	40.2	37.5	36.5	35.5	34.6	34.1
21.25°	61.1	55.0	51.4	48.3	45.2	42.4	39.6	37.2	36.2	35.1	34.4
20°	75.1	61.1	54.7	51.0	47.8	44.5	41.7	38.8	36.8	35.8	34.8
18.75°	107.1	74.0	59.3	53.8	50.3	46.9	43.6	40.7	37.7	36.4	35.3
17.5°	147.7	102.5	71.3	57.8	52.6	49.2	45.6	42.5	39.4	37.0	35.9
16.25°	192.7	138.0	93.6	66.7	55.9	51.4	47.7	44.2	41.0	37.9	36.4
15°	239.3	177.2	122.0	80.2	60.4	53.5	49.7	46.0	42.6	39.3	36.9
13.75°	286.1	218.6	155.9	103.5	69.8	56.6	51.6	47.7	44.0	40.7	37.4
12.5°	330.0	259.8	191.3	130.2	83.5	60.8	53.3	49.4	45.5	42.0	38.6
11.25°	370.9	298.6	225.5	158.1	102.6	68.4	55.8	50.9	46.9	43.2	39.8
10°	402.4	334.1	259.1	186.6	122.9	76.2	58.2	52.3	48.2	44.2	40.8
8.75°	423.1	366.2	289.5	213.3	144.7	91.0	62.8	53.6	49.4	45.3	41.7
7.5°	441.5	393.9	316.3	237.6	163.8	104.1	68.0	55.4	50.4	46.3	42.5
6.25°	457.3	408.9	339.3	259.4	182.7	116.3	72.5	56.9	51.3	47.1	43.2
5°	470.5	421.3	358.4	277.4	198.5	129.1	78.0	58.1	52.0	47.8	43.7
3.75°	480.9	431.0	373.5	291.6	210.9	139.2	84.9	59.3	52.6	48.3	44.1
2.5°	488.4	438.1	384.3	301.8	219.8	146.5	89.8	61.3	53.0	48.7	44.5
1.25°	493.0	442.3	390.8	307.9	225.2	150.8	92.8	62.5	53.2	48.9	44.6
0°	494.5	443.8	393.0	310.0	227.0	152.3	93.8	62.9	53.3	49.0	44.7
-1.25°	493.0	442.3	390.8	307.9	225.2	150.8	92.8	62.5	53.2	48.9	44.6
-2.5°	488.4	438.1	384.3	301.8	219.8	146.5	89.8	61.3	53.0	48.7	44.5
-3.75°	480.9	431.0	373.5	291.6	210.9	139.2	84.9	59.3	52.6	48.3	44.1
-5°	470.5	421.3	358.4	277.4	198.5	129.1	78.0	58.1	52.0	47.8	43.7
-6.25°	457.3	408.9	339.3	259.4	182.7	116.3	72.5	56.9	51.3	47.1	43.2
-7.5°	441.5	393.9	316.3	237.6	163.8	104.1	68.0	55.4	50.4	46.3	42.5
-8.75°	423.1	366.2	289.5	213.3	144.7	91.0	62.8	53.6	49.4	45.3	41.7
-10°	402.4	334.1	259.1	186.6	122.9	76.2	58.2	52.3	48.2	44.2	40.8
-11.25°	370.9	298.6	225.5	158.1	102.6	68.4	55.8	50.9	46.9	43.2	39.8
-12.5°	330.0	259.8	191.3	130.2	83.5	60.8	53.3	49.4	45.5	42.0	38.6
-13.75°	286.1	218.6	155.9	103.5	69.8	56.6	51.6	47.7	44.0	40.7	37.4
-15°	239.3	177.2	122.0	80.2	60.4	53.5	49.7	46.0	42.6	39.3	36.9
-16.25°	192.7	138.0	93.6	66.7	55.9	51.4	47.7	44.2	41.0	37.9	36.4
-17.5°	147.7	102.5	71.3	57.8	52.6	49.2	45.6	42.5	39.4	37.0	35.9
-18.75°	107.1	74.0	59.3	53.8	50.3	46.9	43.6	40.7	37.7	36.4	35.3
-20°	75.1	61.1	54.7	51.0	47.8	44.5	41.7	38.8	36.8	35.8	34.8
-21.25°	61.1	55.0	51.4	48.3	45.2	42.4	39.6	37.2	36.2	35.1	34.4



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	54.7	51.4	48.5	45.5	42.8	40.2	37.5	36.5	35.5	34.6	34.1
-23.75°	51.0	48.3	45.5	43.0	40.5	37.9	36.7	35.7	34.8	34.3	33.8
-25°	47.8	45.2	42.8	40.5	38.1	36.7	35.8	34.9	34.4	33.9	33.4
-26.25°	44.5	42.4	40.2	37.9	36.7	35.9	35.0	34.5	34.0	33.5	33.1
-27.5°	41.7	39.6	37.5	36.7	35.8	35.0	34.5	34.0	33.6	33.1	32.7
-28.75°	38.8	37.2	36.5	35.7	34.9	34.5	34.0	33.6	33.2	32.7	32.3
-30°	36.8	36.2	35.5	34.8	34.4	34.0	33.6	33.2	32.8	32.3	31.9
-31.25°	35.8	35.1	34.6	34.3	33.9	33.5	33.1	32.7	32.3	31.9	31.5
-32.5°	34.8	34.4	34.1	33.8	33.4	33.1	32.7	32.3	31.9	31.5	31.2
-33.75°	34.2	33.9	33.6	33.3	32.9	32.6	32.2	31.9	31.5	31.1	30.8
-35°	33.7	33.4	33.1	32.8	32.4	32.1	31.8	31.4	31.1	30.7	30.3
-36.25°	33.1	32.8	32.5	32.2	31.9	31.6	31.3	31.0	30.6	30.3	29.9
-37.5°	32.6	32.3	32.0	31.8	31.5	31.2	30.9	30.5	30.2	29.8	29.5
-38.75°	32.0	31.8	31.5	31.3	31.0	30.7	30.4	30.0	29.7	29.5	29.2
-40°	31.5	31.3	31.0	30.8	30.5	30.2	29.9	29.6	29.4	29.1	28.9
-41.25°	31.0	30.7	30.5	30.2	29.9	29.7	29.5	29.2	29.0	28.8	28.8
-42.5°	30.4	30.2	29.9	29.7	29.5	29.3	29.1	28.9	28.8	28.8	28.8
-43.75°	29.8	29.6	29.5	29.3	29.1	28.9	28.8	28.8	28.8	28.8	28.8
-45°	29.4	29.2	29.1	28.9	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-46.25°	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
-47.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7
-48.75°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.6	28.4
-50°	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.5	28.4	28.2	28.0
-51.25°	28.8	28.8	28.8	28.8	28.6	28.5	28.3	28.2	28.0	27.8	27.3
-52.5°	28.8	28.6	28.5	28.4	28.3	28.1	28.0	27.7	27.2	26.8	26.3
-53.75°	28.4	28.2	28.1	28.0	27.8	27.4	27.0	26.6	26.2	25.8	25.3
-55°	27.9	27.7	27.4	27.1	26.7	26.4	26.0	25.6	25.2	24.8	24.5
-56.25°	26.9	26.6	26.3	26.0	25.6	25.3	25.0	24.7	24.3	24.0	23.6
-57.5°	25.7	25.5	25.2	24.9	24.6	24.4	24.0	23.7	23.4	23.0	22.4
-58.75°	24.7	24.4	24.2	23.9	23.7	23.4	23.1	22.6	22.1	21.6	21.1
-60°	23.7	23.4	23.2	22.8	22.4	22.0	21.6	21.2	20.7	20.2	19.7
-61.25°	22.3	22.0	21.7	21.3	20.9	20.6	20.1	19.7	19.3	18.8	18.3
-62.5°	20.8	20.5	20.1	19.8	19.4	19.1	18.6	18.2	17.8	17.4	16.9
-63.75°	19.2	18.9	18.6	18.2	17.9	17.5	17.1	16.7	16.3	16.0	15.6
-65°	17.6	17.3	17.0	16.7	16.3	16.0	15.7	15.4	15.1	14.7	14.4
-66.25°	16.0	15.8	15.5	15.3	15.0	14.7	14.4	14.1	13.8	13.5	13.2
-67.5°	14.6	14.4	14.1	13.9	13.7	13.4	13.1	12.9	12.6	12.4	12.1
-68.75°	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.5	11.3	11.0
-70°	12.0	11.8	11.7	11.5	11.3	11.1	10.9	10.7	10.5	10.4	10.2
-71.25°	10.8	10.7	10.5	10.4	10.3	10.2	10.1	9.9	9.8	9.6	9.5
-72.5°	10.0	9.9	9.8	9.7	9.6	9.4	9.3	9.2	9.1	9.0	8.9
-73.75°	9.2	9.1	9.0	8.9	8.9	8.9	8.8	8.7	8.7	8.6	8.6
-75°	8.7	8.7	8.6	8.6	8.5	8.5	8.4	8.4	8.3	8.3	8.2
-76.25°	8.3	8.3	8.3	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.7
-77.5°	7.8	7.8	7.7	7.6	7.6	7.5	7.5	7.4	7.3	7.2	7.2



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	7.2	7.1	7.1	7.0	7.0	6.9	6.9	6.8	6.7	6.6	6.5
-80°	6.5	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8
-81.25°	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.2	5.2	5.1
-82.5°	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4
-83.75°	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6
-85°	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
-86.25°	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9
-87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1
-88.75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
86.25°	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
85°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1
83.75°	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0	2.9	2.8
82.5°	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5
81.25°	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
80°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8
78.75°	6.4	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4
77.5°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0
76.25°	7.6	7.5	7.4	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5
75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.2	7.1
73.75°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5
72.5°	8.8	8.8	8.7	8.6	8.5	8.5	8.4	8.3	8.2	8.1	7.9
71.25°	9.3	9.2	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3
70°	10.0	9.9	9.7	9.5	9.3	9.1	9.0	8.9	8.8	8.7	8.6
68.75°	10.7	10.5	10.4	10.2	10.0	9.8	9.6	9.3	9.1	9.0	8.8
67.5°	11.8	11.5	11.2	10.9	10.6	10.4	10.2	9.9	9.7	9.5	9.2
66.25°	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.5	10.3	10.1	9.8
65°	14.0	13.6	13.2	12.9	12.5	12.1	11.8	11.4	11.0	10.6	10.4
63.75°	15.2	14.8	14.4	14.0	13.5	13.1	12.7	12.3	11.9	11.5	11.0
62.5°	16.4	16.0	15.5	15.1	14.6	14.2	13.7	13.2	12.8	12.3	11.9
61.25°	17.8	17.3	16.8	16.2	15.7	15.2	14.7	14.2	13.7	13.2	12.7
60°	19.2	18.6	18.1	17.5	16.9	16.3	15.8	15.3	14.7	14.1	13.6
58.75°	20.6	20.0	19.4	18.8	18.2	17.6	16.9	16.3	15.7	15.1	14.5
57.5°	21.9	21.3	20.7	20.1	19.5	18.8	18.2	17.5	16.8	16.1	15.5
56.25°	23.2	22.6	22.0	21.4	20.7	20.1	19.4	18.7	17.9	17.2	16.4
55°	24.1	23.7	23.2	22.6	21.9	21.2	20.5	19.8	19.1	18.3	17.5
53.75°	24.9	24.5	24.1	23.6	23.1	22.4	21.7	21.0	20.2	19.4	18.6
52.5°	25.8	25.3	24.9	24.4	23.9	23.5	22.8	22.1	21.3	20.5	19.7
51.25°	26.8	26.2	25.7	25.2	24.7	24.2	23.7	23.2	22.4	21.5	20.7
50°	27.7	27.2	26.6	26.1	25.5	25.0	24.4	23.9	23.3	22.6	21.7
48.75°	28.2	28.0	27.5	26.9	26.3	25.7	25.2	24.6	24.0	23.5	22.7
47.5°	28.5	28.3	28.1	27.8	27.2	26.6	25.9	25.3	24.7	24.1	23.5
46.25°	28.8	28.6	28.4	28.2	27.9	27.4	26.7	26.1	25.4	24.8	24.1
45°	28.8	28.8	28.7	28.5	28.2	28.0	27.5	26.8	26.1	25.4	24.8
43.75°	28.8	28.8	28.8	28.8	28.5	28.3	28.0	27.6	26.9	26.1	25.4
42.5°	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.1	27.6	26.8	26.1
41.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.0	27.5	26.7
40°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.0	27.4
38.75°	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.5	28.2	27.9
37.5°	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.5	28.2
36.25°	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.4
35°	29.9	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.6



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	30.3	29.9	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8
32.5°	30.8	30.3	29.9	29.5	29.2	28.9	28.8	28.8	28.8	28.8	28.8
31.25°	31.1	30.7	30.3	29.8	29.5	29.1	28.8	28.8	28.8	28.8	28.8
30°	31.5	31.1	30.6	30.2	29.7	29.4	29.0	28.8	28.8	28.8	28.8
28.75°	31.9	31.4	31.0	30.5	30.0	29.6	29.2	28.9	28.8	28.8	28.8
27.5°	32.2	31.8	31.3	30.9	30.4	29.9	29.5	29.1	28.8	28.8	28.8
26.25°	32.6	32.1	31.6	31.2	30.7	30.2	29.7	29.3	28.9	28.8	28.8
25°	32.9	32.4	31.9	31.5	31.0	30.5	29.9	29.5	29.1	28.8	28.8
23.75°	33.3	32.8	32.2	31.8	31.3	30.8	30.2	29.7	29.3	28.9	28.8
22.5°	33.6	33.1	32.5	32.0	31.5	31.0	30.5	29.9	29.5	29.1	28.8
21.25°	33.9	33.4	32.8	32.3	31.8	31.3	30.7	30.2	29.6	29.2	28.8
20°	34.2	33.7	33.1	32.6	32.0	31.5	31.0	30.4	29.8	29.4	29.0
18.75°	34.5	34.0	33.4	32.8	32.3	31.7	31.2	30.6	30.0	29.5	29.1
17.5°	34.8	34.2	33.6	33.1	32.5	31.9	31.4	30.8	30.2	29.7	29.3
16.25°	35.3	34.5	33.9	33.3	32.7	32.1	31.6	31.0	30.4	29.8	29.4
15°	35.8	34.7	34.1	33.5	32.9	32.3	31.8	31.2	30.6	30.0	29.5
13.75°	36.2	35.0	34.3	33.7	33.1	32.5	31.9	31.4	30.8	30.2	29.6
12.5°	36.6	35.4	34.5	33.9	33.3	32.7	32.1	31.5	30.9	30.3	29.7
11.25°	37.0	35.8	34.7	34.1	33.4	32.8	32.2	31.6	31.1	30.4	29.8
10°	37.4	36.1	34.9	34.2	33.6	33.0	32.3	31.7	31.2	30.6	29.9
8.75°	38.2	36.4	35.2	34.4	33.7	33.1	32.5	31.9	31.3	30.7	30.0
7.5°	38.9	36.7	35.4	34.5	33.8	33.2	32.6	31.9	31.4	30.7	30.1
6.25°	39.6	36.9	35.6	34.6	33.9	33.3	32.6	32.0	31.4	30.8	30.2
5°	40.1	37.1	35.8	34.7	34.0	33.4	32.7	32.1	31.5	30.9	30.2
3.75°	40.5	37.2	35.9	34.7	34.1	33.4	32.8	32.1	31.5	30.9	30.3
2.5°	40.8	37.3	36.0	34.8	34.1	33.5	32.8	32.2	31.6	31.0	30.3
1.25°	41.0	37.4	36.1	34.8	34.1	33.5	32.8	32.2	31.6	31.0	30.3
0°	41.1	37.4	36.1	34.8	34.2	33.5	32.9	32.2	31.6	31.0	30.4
-1.25°	41.0	37.4	36.1	34.8	34.1	33.5	32.8	32.2	31.6	31.0	30.3
-2.5°	40.8	37.3	36.0	34.8	34.1	33.5	32.8	32.2	31.6	31.0	30.3
-3.75°	40.5	37.2	35.9	34.7	34.1	33.4	32.8	32.1	31.5	30.9	30.3
-5°	40.1	37.1	35.8	34.7	34.0	33.4	32.7	32.1	31.5	30.9	30.2
-6.25°	39.6	36.9	35.6	34.6	33.9	33.3	32.6	32.0	31.4	30.8	30.2
-7.5°	38.9	36.7	35.4	34.5	33.8	33.2	32.6	31.9	31.4	30.7	30.1
-8.75°	38.2	36.4	35.2	34.4	33.7	33.1	32.5	31.9	31.3	30.7	30.0
-10°	37.4	36.1	34.9	34.2	33.6	33.0	32.3	31.7	31.2	30.6	29.9
-11.25°	37.0	35.8	34.7	34.1	33.4	32.8	32.2	31.6	31.1	30.4	29.8
-12.5°	36.6	35.4	34.5	33.9	33.3	32.7	32.1	31.5	30.9	30.3	29.7
-13.75°	36.2	35.0	34.3	33.7	33.1	32.5	31.9	31.4	30.8	30.2	29.6
-15°	35.8	34.7	34.1	33.5	32.9	32.3	31.8	31.2	30.6	30.0	29.5
-16.25°	35.3	34.5	33.9	33.3	32.7	32.1	31.6	31.0	30.4	29.8	29.4
-17.5°	34.8	34.2	33.6	33.1	32.5	31.9	31.4	30.8	30.2	29.7	29.3
-18.75°	34.5	34.0	33.4	32.8	32.3	31.7	31.2	30.6	30.0	29.5	29.1
-20°	34.2	33.7	33.1	32.6	32.0	31.5	31.0	30.4	29.8	29.4	29.0
-21.25°	33.9	33.4	32.8	32.3	31.8	31.3	30.7	30.2	29.6	29.2	28.8



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	33.6	33.1	32.5	32.0	31.5	31.0	30.5	29.9	29.5	29.1	28.8
-23.75°	33.3	32.8	32.2	31.8	31.3	30.8	30.2	29.7	29.3	28.9	28.8
-25°	32.9	32.4	31.9	31.5	31.0	30.5	29.9	29.5	29.1	28.8	28.8
-26.25°	32.6	32.1	31.6	31.2	30.7	30.2	29.7	29.3	28.9	28.8	28.8
-27.5°	32.2	31.8	31.3	30.9	30.4	29.9	29.5	29.1	28.8	28.8	28.8
-28.75°	31.9	31.4	31.0	30.5	30.0	29.6	29.2	28.9	28.8	28.8	28.8
-30°	31.5	31.1	30.6	30.2	29.7	29.4	29.0	28.8	28.8	28.8	28.8
-31.25°	31.1	30.7	30.3	29.8	29.5	29.1	28.8	28.8	28.8	28.8	28.8
-32.5°	30.8	30.3	29.9	29.5	29.2	28.9	28.8	28.8	28.8	28.8	28.8
-33.75°	30.3	29.9	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8
-35°	29.9	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.6
-36.25°	29.6	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.7	28.4
-37.5°	29.3	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.5	28.2
-38.75°	29.0	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.5	28.2	27.9
-40°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.0	27.4
-41.25°	28.8	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.0	27.5	26.7
-42.5°	28.8	28.8	28.8	28.8	28.8	28.6	28.3	28.1	27.6	26.8	26.1
-43.75°	28.8	28.8	28.8	28.8	28.5	28.3	28.0	27.6	26.9	26.1	25.4
-45°	28.8	28.8	28.7	28.5	28.2	28.0	27.5	26.8	26.1	25.4	24.8
-46.25°	28.8	28.6	28.4	28.2	27.9	27.4	26.7	26.1	25.4	24.8	24.1
-47.5°	28.5	28.3	28.1	27.8	27.2	26.6	25.9	25.3	24.7	24.1	23.5
-48.75°	28.2	28.0	27.5	26.9	26.3	25.7	25.2	24.6	24.0	23.5	22.7
-50°	27.7	27.2	26.6	26.1	25.5	25.0	24.4	23.9	23.3	22.6	21.7
-51.25°	26.8	26.2	25.7	25.2	24.7	24.2	23.7	23.2	22.4	21.5	20.7
-52.5°	25.8	25.3	24.9	24.4	23.9	23.5	22.8	22.1	21.3	20.5	19.7
-53.75°	24.9	24.5	24.1	23.6	23.1	22.4	21.7	21.0	20.2	19.4	18.6
-55°	24.1	23.7	23.2	22.6	21.9	21.2	20.5	19.8	19.1	18.3	17.5
-56.25°	23.2	22.6	22.0	21.4	20.7	20.1	19.4	18.7	17.9	17.2	16.4
-57.5°	21.9	21.3	20.7	20.1	19.5	18.8	18.2	17.5	16.8	16.1	15.5
-58.75°	20.6	20.0	19.4	18.8	18.2	17.6	16.9	16.3	15.7	15.1	14.5
-60°	19.2	18.6	18.1	17.5	16.9	16.3	15.8	15.3	14.7	14.1	13.6
-61.25°	17.8	17.3	16.8	16.2	15.7	15.2	14.7	14.2	13.7	13.2	12.7
-62.5°	16.4	16.0	15.5	15.1	14.6	14.2	13.7	13.2	12.8	12.3	11.9
-63.75°	15.2	14.8	14.4	14.0	13.5	13.1	12.7	12.3	11.9	11.5	11.0
-65°	14.0	13.6	13.2	12.9	12.5	12.1	11.8	11.4	11.0	10.6	10.4
-66.25°	12.8	12.5	12.2	11.9	11.5	11.2	10.8	10.5	10.3	10.1	9.8
-67.5°	11.8	11.5	11.2	10.9	10.6	10.4	10.2	9.9	9.7	9.5	9.2
-68.75°	10.7	10.5	10.4	10.2	10.0	9.8	9.6	9.3	9.1	9.0	8.8
-70°	10.0	9.9	9.7	9.5	9.3	9.1	9.0	8.9	8.8	8.7	8.6
-71.25°	9.3	9.2	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3
-72.5°	8.8	8.8	8.7	8.6	8.5	8.5	8.4	8.3	8.2	8.1	7.9
-73.75°	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5
-75°	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.3	7.2	7.1
-76.25°	7.6	7.5	7.4	7.4	7.3	7.2	7.1	6.9	6.8	6.7	6.5
-77.5°	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	6.4	6.4	6.3	6.2	6.1	5.9	5.8	5.7	5.6	5.5	5.4
-80°	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8
-81.25°	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1
-82.5°	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8	3.7	3.6	3.5
-83.75°	3.5	3.5	3.4	3.4	3.3	3.2	3.1	3.1	3.0	2.9	2.8
-85°	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2	2.2	2.1
-86.25°	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.5	1.5	1.4	1.4
-87.5°	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
-88.75°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
85°	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3
83.75°	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8
82.5°	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3
81.25°	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.1	3.0	2.9
80°	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4
78.75°	5.3	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8
77.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.3
76.25°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
75°	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.2
73.75°	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6
72.5°	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.6	6.4	6.2	6.0
71.25°	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.0	6.9	6.6	6.4
70°	8.5	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8
68.75°	8.7	8.6	8.5	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1
67.5°	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1	7.9	7.7	7.4
66.25°	9.5	9.3	9.0	8.9	8.7	8.6	8.5	8.3	8.2	8.0	7.7
65°	10.1	9.8	9.5	9.2	9.0	8.8	8.7	8.5	8.4	8.3	8.0
63.75°	10.6	10.3	10.0	9.7	9.4	9.1	8.9	8.8	8.6	8.4	8.3
62.5°	11.4	10.9	10.5	10.2	9.9	9.6	9.2	9.0	8.8	8.6	8.5
61.25°	12.2	11.7	11.2	10.7	10.4	10.0	9.7	9.3	9.0	8.8	8.7
60°	13.0	12.5	12.0	11.5	10.9	10.5	10.1	9.8	9.4	9.0	8.8
58.75°	13.9	13.3	12.8	12.2	11.6	11.1	10.6	10.2	9.8	9.4	9.0
57.5°	14.8	14.2	13.5	12.9	12.4	11.8	11.2	10.6	10.2	9.8	9.4
56.25°	15.8	15.1	14.4	13.7	13.1	12.4	11.8	11.2	10.6	10.2	9.8
55°	16.7	16.0	15.3	14.5	13.8	13.1	12.5	11.8	11.2	10.6	10.1
53.75°	17.8	16.9	16.1	15.4	14.6	13.9	13.1	12.4	11.8	11.1	10.5
52.5°	18.8	17.9	17.0	16.2	15.4	14.6	13.8	13.1	12.4	11.6	10.9
51.25°	19.8	18.9	18.0	17.1	16.2	15.4	14.5	13.7	12.9	12.2	11.5
50°	20.8	19.9	19.0	18.0	17.0	16.1	15.3	14.4	13.5	12.8	12.0
48.75°	21.8	20.8	19.9	18.9	17.9	16.9	16.0	15.1	14.2	13.3	12.5
47.5°	22.7	21.8	20.8	19.8	18.8	17.8	16.7	15.8	14.8	13.9	13.0
46.25°	23.5	22.7	21.7	20.7	19.7	18.6	17.5	16.4	15.5	14.5	13.6
45°	24.1	23.5	22.6	21.5	20.5	19.4	18.3	17.2	16.1	15.1	14.1
43.75°	24.7	24.0	23.3	22.4	21.3	20.2	19.1	17.9	16.8	15.7	14.7
42.5°	25.3	24.6	23.9	23.2	22.1	21.0	19.8	18.7	17.5	16.3	15.3
41.25°	25.9	25.2	24.4	23.7	22.8	21.7	20.5	19.4	18.2	16.9	15.8
40°	26.6	25.7	25.0	24.2	23.5	22.4	21.2	20.1	18.8	17.6	16.3
38.75°	27.2	26.3	25.5	24.7	23.9	23.1	21.9	20.7	19.5	18.2	16.9
37.5°	27.8	26.9	26.1	25.2	24.4	23.6	22.6	21.4	20.1	18.8	17.5
36.25°	28.1	27.5	26.6	25.7	24.9	24.1	23.2	22.0	20.7	19.4	18.1
35°	28.3	28.0	27.2	26.2	25.3	24.5	23.7	22.6	21.3	20.0	18.6



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	28.5	28.2	27.7	26.8	25.8	24.9	24.1	23.2	21.9	20.6	19.2
32.5°	28.7	28.4	28.0	27.3	26.3	25.3	24.5	23.6	22.4	21.1	19.7
31.25°	28.8	28.6	28.2	27.8	26.8	25.8	24.8	24.0	23.0	21.6	20.2
30°	28.8	28.7	28.4	28.0	27.2	26.2	25.2	24.3	23.4	22.1	20.7
28.75°	28.8	28.8	28.5	28.2	27.7	26.6	25.6	24.7	23.7	22.6	21.2
27.5°	28.8	28.8	28.7	28.3	28.0	27.0	26.0	25.0	24.0	23.1	21.6
26.25°	28.8	28.8	28.8	28.5	28.1	27.4	26.4	25.3	24.4	23.4	22.0
25°	28.8	28.8	28.8	28.6	28.3	27.8	26.7	25.6	24.6	23.7	22.4
23.75°	28.8	28.8	28.8	28.8	28.4	28.0	27.1	26.0	24.9	23.9	22.8
22.5°	28.8	28.8	28.8	28.8	28.5	28.1	27.4	26.3	25.2	24.2	23.2
21.25°	28.8	28.8	28.8	28.8	28.6	28.2	27.7	26.6	25.5	24.4	23.4
20°	28.8	28.8	28.8	28.8	28.8	28.4	27.9	26.9	25.7	24.7	23.7
18.75°	28.8	28.8	28.8	28.8	28.8	28.5	28.0	27.1	26.0	24.9	23.9
17.5°	28.8	28.8	28.8	28.8	28.8	28.6	28.1	27.4	26.2	25.1	24.1
16.25°	29.0	28.8	28.8	28.8	28.8	28.7	28.2	27.6	26.5	25.3	24.2
15°	29.1	28.8	28.8	28.8	28.8	28.7	28.3	27.9	26.7	25.5	24.4
13.75°	29.2	28.8	28.8	28.8	28.8	28.8	28.4	28.0	26.9	25.7	24.6
12.5°	29.3	28.8	28.8	28.8	28.8	28.8	28.5	28.0	27.0	25.8	24.7
11.25°	29.3	28.9	28.8	28.8	28.8	28.8	28.5	28.1	27.2	26.0	24.8
10°	29.4	29.0	28.8	28.8	28.8	28.8	28.6	28.1	27.3	26.1	25.0
8.75°	29.5	29.0	28.8	28.8	28.8	28.8	28.6	28.2	27.5	26.2	25.1
7.5°	29.5	29.1	28.8	28.8	28.8	28.8	28.7	28.2	27.6	26.4	25.2
6.25°	29.6	29.1	28.8	28.8	28.8	28.8	28.7	28.3	27.7	26.4	25.2
5°	29.6	29.2	28.8	28.8	28.8	28.8	28.7	28.3	27.8	26.5	25.3
3.75°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.8	26.6	25.3
2.5°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.9	26.6	25.4
1.25°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.9	26.6	25.4
0°	29.7	29.3	28.8	28.8	28.8	28.8	28.8	28.4	27.9	26.7	25.4
-1.25°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.9	26.6	25.4
-2.5°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.9	26.6	25.4
-3.75°	29.7	29.2	28.8	28.8	28.8	28.8	28.8	28.3	27.8	26.6	25.3
-5°	29.6	29.2	28.8	28.8	28.8	28.8	28.7	28.3	27.8	26.5	25.3
-6.25°	29.6	29.1	28.8	28.8	28.8	28.8	28.7	28.3	27.7	26.4	25.2
-7.5°	29.5	29.1	28.8	28.8	28.8	28.8	28.7	28.2	27.6	26.4	25.2
-8.75°	29.5	29.0	28.8	28.8	28.8	28.8	28.6	28.2	27.5	26.2	25.1
-10°	29.4	29.0	28.8	28.8	28.8	28.8	28.6	28.1	27.3	26.1	25.0
-11.25°	29.3	28.9	28.8	28.8	28.8	28.8	28.5	28.1	27.2	26.0	24.8
-12.5°	29.3	28.8	28.8	28.8	28.8	28.8	28.5	28.0	27.0	25.8	24.7
-13.75°	29.2	28.8	28.8	28.8	28.8	28.8	28.4	28.0	26.9	25.7	24.6
-15°	29.1	28.8	28.8	28.8	28.8	28.7	28.3	27.9	26.7	25.5	24.4
-16.25°	29.0	28.8	28.8	28.8	28.8	28.7	28.2	27.6	26.5	25.3	24.2
-17.5°	28.8	28.8	28.8	28.8	28.8	28.6	28.1	27.4	26.2	25.1	24.1
-18.75°	28.8	28.8	28.8	28.8	28.8	28.5	28.0	27.1	26.0	24.9	23.9
-20°	28.8	28.8	28.8	28.8	28.8	28.4	27.9	26.9	25.7	24.7	23.7
-21.25°	28.8	28.8	28.8	28.8	28.6	28.2	27.7	26.6	25.5	24.4	23.4



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	28.8	28.8	28.8	28.8	28.5	28.1	27.4	26.3	25.2	24.2	23.2
-23.75°	28.8	28.8	28.8	28.8	28.4	28.0	27.1	26.0	24.9	23.9	22.8
-25°	28.8	28.8	28.8	28.6	28.3	27.8	26.7	25.6	24.6	23.7	22.4
-26.25°	28.8	28.8	28.8	28.5	28.1	27.4	26.4	25.3	24.4	23.4	22.0
-27.5°	28.8	28.8	28.7	28.3	28.0	27.0	26.0	25.0	24.0	23.1	21.6
-28.75°	28.8	28.8	28.5	28.2	27.7	26.6	25.6	24.7	23.7	22.6	21.2
-30°	28.8	28.7	28.4	28.0	27.2	26.2	25.2	24.3	23.4	22.1	20.7
-31.25°	28.8	28.6	28.2	27.8	26.8	25.8	24.8	24.0	23.0	21.6	20.2
-32.5°	28.7	28.4	28.0	27.3	26.3	25.3	24.5	23.6	22.4	21.1	19.7
-33.75°	28.5	28.2	27.7	26.8	25.8	24.9	24.1	23.2	21.9	20.6	19.2
-35°	28.3	28.0	27.2	26.2	25.3	24.5	23.7	22.6	21.3	20.0	18.6
-36.25°	28.1	27.5	26.6	25.7	24.9	24.1	23.2	22.0	20.7	19.4	18.1
-37.5°	27.8	26.9	26.1	25.2	24.4	23.6	22.6	21.4	20.1	18.8	17.5
-38.75°	27.2	26.3	25.5	24.7	23.9	23.1	21.9	20.7	19.5	18.2	16.9
-40°	26.6	25.7	25.0	24.2	23.5	22.4	21.2	20.1	18.8	17.6	16.3
-41.25°	25.9	25.2	24.4	23.7	22.8	21.7	20.5	19.4	18.2	16.9	15.8
-42.5°	25.3	24.6	23.9	23.2	22.1	21.0	19.8	18.7	17.5	16.3	15.3
-43.75°	24.7	24.0	23.3	22.4	21.3	20.2	19.1	17.9	16.8	15.7	14.7
-45°	24.1	23.5	22.6	21.5	20.5	19.4	18.3	17.2	16.1	15.1	14.1
-46.25°	23.5	22.7	21.7	20.7	19.7	18.6	17.5	16.4	15.5	14.5	13.6
-47.5°	22.7	21.8	20.8	19.8	18.8	17.8	16.7	15.8	14.8	13.9	13.0
-48.75°	21.8	20.8	19.9	18.9	17.9	16.9	16.0	15.1	14.2	13.3	12.5
-50°	20.8	19.9	19.0	18.0	17.0	16.1	15.3	14.4	13.5	12.8	12.0
-51.25°	19.8	18.9	18.0	17.1	16.2	15.4	14.5	13.7	12.9	12.2	11.5
-52.5°	18.8	17.9	17.0	16.2	15.4	14.6	13.8	13.1	12.4	11.6	10.9
-53.75°	17.8	16.9	16.1	15.4	14.6	13.9	13.1	12.4	11.8	11.1	10.5
-55°	16.7	16.0	15.3	14.5	13.8	13.1	12.5	11.8	11.2	10.6	10.1
-56.25°	15.8	15.1	14.4	13.7	13.1	12.4	11.8	11.2	10.6	10.2	9.8
-57.5°	14.8	14.2	13.5	12.9	12.4	11.8	11.2	10.6	10.2	9.8	9.4
-58.75°	13.9	13.3	12.8	12.2	11.6	11.1	10.6	10.2	9.8	9.4	9.0
-60°	13.0	12.5	12.0	11.5	10.9	10.5	10.1	9.8	9.4	9.0	8.8
-61.25°	12.2	11.7	11.2	10.7	10.4	10.0	9.7	9.3	9.0	8.8	8.7
-62.5°	11.4	10.9	10.5	10.2	9.9	9.6	9.2	9.0	8.8	8.6	8.5
-63.75°	10.6	10.3	10.0	9.7	9.4	9.1	8.9	8.8	8.6	8.4	8.3
-65°	10.1	9.8	9.5	9.2	9.0	8.8	8.7	8.5	8.4	8.3	8.0
-66.25°	9.5	9.3	9.0	8.9	8.7	8.6	8.5	8.3	8.2	8.0	7.7
-67.5°	9.0	8.9	8.8	8.6	8.5	8.4	8.3	8.1	7.9	7.7	7.4
-68.75°	8.7	8.6	8.5	8.4	8.3	8.1	7.9	7.7	7.5	7.3	7.1
-70°	8.5	8.4	8.3	8.1	7.9	7.8	7.6	7.4	7.2	7.0	6.8
-71.25°	8.2	8.1	7.9	7.7	7.6	7.4	7.2	7.0	6.9	6.6	6.4
-72.5°	7.8	7.6	7.5	7.3	7.2	7.0	6.9	6.6	6.4	6.2	6.0
-73.75°	7.4	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.8	5.6
-75°	6.9	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.5	5.3	5.2
-76.25°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
-77.5°	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.8	4.6	4.4	4.3



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	5.3	5.1	5.0	4.9	4.7	4.6	4.4	4.3	4.1	4.0	3.8
-80°	4.7	4.5	4.4	4.3	4.2	4.0	3.9	3.8	3.7	3.5	3.4
-81.25°	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-82.5°	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.3
-83.75°	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8
-85°	2.0	2.0	1.9	1.8	1.8	1.7	1.6	1.5	1.5	1.4	1.3
-86.25°	1.3	1.3	1.3	1.2	1.2	1.2	1.1	1.1	1.0	1.0	1.0
-87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6
-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: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
83.75°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
82.5°	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.3	1.2	1.1
81.25°	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
80°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5
78.75°	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8
77.5°	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1
76.25°	4.5	4.3	4.1	4.0	3.8	3.6	3.4	3.1	2.9	2.6	2.4
75°	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	2.9	2.7
73.75°	5.4	5.1	4.9	4.7	4.5	4.2	4.0	3.8	3.5	3.3	3.0
72.5°	5.8	5.5	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.5	3.3
71.25°	6.1	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.1	3.8	3.5
70°	6.5	6.3	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8
68.75°	6.9	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
67.5°	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.2
66.25°	7.5	7.3	7.0	6.8	6.4	6.1	5.8	5.5	5.2	4.8	4.5
65°	7.8	7.6	7.3	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7
63.75°	8.1	7.8	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
62.5°	8.3	8.1	7.8	7.6	7.3	7.0	6.7	6.3	5.9	5.5	5.1
61.25°	8.5	8.3	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.8	5.4
60°	8.7	8.5	8.3	8.0	7.7	7.4	7.1	6.8	6.4	6.0	5.6
58.75°	8.8	8.6	8.4	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8
57.5°	9.0	8.8	8.6	8.4	8.2	7.9	7.5	7.2	6.9	6.4	6.0
56.25°	9.3	9.0	8.8	8.5	8.3	8.1	7.7	7.4	7.0	6.6	6.2
55°	9.7	9.2	8.9	8.7	8.5	8.3	7.9	7.6	7.2	6.9	6.4
53.75°	10.0	9.6	9.1	8.8	8.6	8.4	8.1	7.8	7.4	7.0	6.6
52.5°	10.4	9.9	9.4	9.0	8.7	8.5	8.3	7.9	7.6	7.2	6.8
51.25°	10.7	10.2	9.7	9.2	8.9	8.6	8.4	8.1	7.7	7.3	6.9
50°	11.2	10.5	10.0	9.5	9.0	8.8	8.5	8.3	7.9	7.5	7.1
48.75°	11.7	10.9	10.3	9.8	9.3	8.9	8.6	8.4	8.1	7.6	7.2
47.5°	12.2	11.4	10.6	10.1	9.5	9.0	8.7	8.5	8.2	7.8	7.4
46.25°	12.7	11.9	11.0	10.4	9.8	9.2	8.8	8.6	8.3	7.9	7.5
45°	13.2	12.3	11.5	10.6	10.1	9.5	9.0	8.7	8.4	8.1	7.6
43.75°	13.7	12.8	11.9	11.0	10.3	9.7	9.1	8.8	8.5	8.2	7.8
42.5°	14.2	13.2	12.3	11.4	10.5	9.9	9.3	8.9	8.6	8.3	7.9
41.25°	14.7	13.7	12.7	11.8	10.8	10.2	9.6	9.0	8.7	8.4	8.0
40°	15.2	14.2	13.1	12.1	11.2	10.4	9.8	9.1	8.8	8.5	8.1
38.75°	15.7	14.6	13.5	12.5	11.5	10.6	10.0	9.3	8.8	8.5	8.2
37.5°	16.2	15.1	14.0	12.9	11.9	10.9	10.2	9.5	8.9	8.6	8.3
36.25°	16.8	15.5	14.4	13.2	12.2	11.2	10.4	9.7	9.0	8.7	8.4
35°	17.3	16.0	14.8	13.6	12.5	11.5	10.5	9.9	9.2	8.8	8.4



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	17.8	16.4	15.2	14.0	12.8	11.8	10.7	10.0	9.3	8.8	8.5
32.5°	18.3	16.9	15.6	14.4	13.2	12.1	11.0	10.2	9.5	8.9	8.6
31.25°	18.8	17.4	16.0	14.7	13.5	12.4	11.3	10.4	9.6	9.0	8.6
30°	19.3	17.8	16.3	15.1	13.8	12.6	11.5	10.5	9.8	9.1	8.7
28.75°	19.7	18.2	16.7	15.4	14.1	12.9	11.8	10.7	9.9	9.2	8.7
27.5°	20.1	18.6	17.1	15.7	14.4	13.1	12.0	10.9	10.1	9.3	8.8
26.25°	20.6	19.1	17.5	16.0	14.7	13.4	12.2	11.1	10.2	9.4	8.9
25°	20.9	19.4	17.9	16.3	15.0	13.7	12.4	11.3	10.3	9.6	8.9
23.75°	21.3	19.8	18.2	16.7	15.3	13.9	12.6	11.5	10.4	9.7	8.9
22.5°	21.7	20.1	18.6	17.0	15.5	14.1	12.8	11.7	10.5	9.8	9.0
21.25°	22.0	20.5	18.9	17.3	15.8	14.4	13.0	11.8	10.7	9.9	9.1
20°	22.3	20.8	19.2	17.6	16.0	14.6	13.2	12.0	10.8	10.0	9.2
18.75°	22.6	21.1	19.5	17.8	16.2	14.8	13.4	12.2	10.9	10.0	9.2
17.5°	22.9	21.3	19.7	18.1	16.4	15.0	13.6	12.3	11.1	10.1	9.3
16.25°	23.2	21.6	20.0	18.3	16.6	15.2	13.7	12.4	11.2	10.2	9.4
15°	23.4	21.8	20.2	18.5	16.9	15.3	13.9	12.6	11.3	10.3	9.5
13.75°	23.5	22.0	20.4	18.7	17.0	15.5	14.0	12.7	11.4	10.3	9.5
12.5°	23.6	22.2	20.6	18.9	17.2	15.6	14.2	12.8	11.5	10.4	9.6
11.25°	23.8	22.4	20.8	19.1	17.4	15.8	14.3	12.9	11.6	10.5	9.6
10°	23.9	22.6	20.9	19.2	17.5	15.9	14.4	13.0	11.7	10.5	9.7
8.75°	24.0	22.7	21.1	19.4	17.6	16.0	14.5	13.0	11.8	10.6	9.7
7.5°	24.1	22.9	21.2	19.5	17.7	16.1	14.6	13.1	11.8	10.6	9.8
6.25°	24.1	23.0	21.3	19.6	17.8	16.1	14.6	13.2	11.9	10.6	9.8
5°	24.2	23.0	21.4	19.7	17.9	16.2	14.7	13.2	11.9	10.7	9.8
3.75°	24.2	23.1	21.4	19.7	18.0	16.2	14.7	13.3	12.0	10.7	9.8
2.5°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.7	9.8
1.25°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.7	9.8
0°	24.3	23.2	21.5	19.8	18.1	16.3	14.8	13.3	12.0	10.7	9.9
-1.25°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.7	9.8
-2.5°	24.3	23.2	21.5	19.8	18.0	16.3	14.8	13.3	12.0	10.7	9.8
-3.75°	24.2	23.1	21.4	19.7	18.0	16.2	14.7	13.3	12.0	10.7	9.8
-5°	24.2	23.0	21.4	19.7	17.9	16.2	14.7	13.2	11.9	10.7	9.8
-6.25°	24.1	23.0	21.3	19.6	17.8	16.1	14.6	13.2	11.9	10.6	9.8
-7.5°	24.1	22.9	21.2	19.5	17.7	16.1	14.6	13.1	11.8	10.6	9.8
-8.75°	24.0	22.7	21.1	19.4	17.6	16.0	14.5	13.0	11.8	10.6	9.7
-10°	23.9	22.6	20.9	19.2	17.5	15.9	14.4	13.0	11.7	10.5	9.7
-11.25°	23.8	22.4	20.8	19.1	17.4	15.8	14.3	12.9	11.6	10.5	9.6
-12.5°	23.6	22.2	20.6	18.9	17.2	15.6	14.2	12.8	11.5	10.4	9.6
-13.75°	23.5	22.0	20.4	18.7	17.0	15.5	14.0	12.7	11.4	10.3	9.5
-15°	23.4	21.8	20.2	18.5	16.9	15.3	13.9	12.6	11.3	10.3	9.5
-16.25°	23.2	21.6	20.0	18.3	16.6	15.2	13.7	12.4	11.2	10.2	9.4
-17.5°	22.9	21.3	19.7	18.1	16.4	15.0	13.6	12.3	11.1	10.1	9.3
-18.75°	22.6	21.1	19.5	17.8	16.2	14.8	13.4	12.2	10.9	10.0	9.2
-20°	22.3	20.8	19.2	17.6	16.0	14.6	13.2	12.0	10.8	10.0	9.2
-21.25°	22.0	20.5	18.9	17.3	15.8	14.4	13.0	11.8	10.7	9.9	9.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	21.7	20.1	18.6	17.0	15.5	14.1	12.8	11.7	10.5	9.8	9.0
-23.75°	21.3	19.8	18.2	16.7	15.3	13.9	12.6	11.5	10.4	9.7	8.9
-25°	20.9	19.4	17.9	16.3	15.0	13.7	12.4	11.3	10.3	9.6	8.9
-26.25°	20.6	19.1	17.5	16.0	14.7	13.4	12.2	11.1	10.2	9.4	8.9
-27.5°	20.1	18.6	17.1	15.7	14.4	13.1	12.0	10.9	10.1	9.3	8.8
-28.75°	19.7	18.2	16.7	15.4	14.1	12.9	11.8	10.7	9.9	9.2	8.7
-30°	19.3	17.8	16.3	15.1	13.8	12.6	11.5	10.5	9.8	9.1	8.7
-31.25°	18.8	17.4	16.0	14.7	13.5	12.4	11.3	10.4	9.6	9.0	8.6
-32.5°	18.3	16.9	15.6	14.4	13.2	12.1	11.0	10.2	9.5	8.9	8.6
-33.75°	17.8	16.4	15.2	14.0	12.8	11.8	10.7	10.0	9.3	8.8	8.5
-35°	17.3	16.0	14.8	13.6	12.5	11.5	10.5	9.9	9.2	8.8	8.4
-36.25°	16.8	15.5	14.4	13.2	12.2	11.2	10.4	9.7	9.0	8.7	8.4
-37.5°	16.2	15.1	14.0	12.9	11.9	10.9	10.2	9.5	8.9	8.6	8.3
-38.75°	15.7	14.6	13.5	12.5	11.5	10.6	10.0	9.3	8.8	8.5	8.2
-40°	15.2	14.2	13.1	12.1	11.2	10.4	9.8	9.1	8.8	8.5	8.1
-41.25°	14.7	13.7	12.7	11.8	10.8	10.2	9.6	9.0	8.7	8.4	8.0
-42.5°	14.2	13.2	12.3	11.4	10.5	9.9	9.3	8.9	8.6	8.3	7.9
-43.75°	13.7	12.8	11.9	11.0	10.3	9.7	9.1	8.8	8.5	8.2	7.8
-45°	13.2	12.3	11.5	10.6	10.1	9.5	9.0	8.7	8.4	8.1	7.6
-46.25°	12.7	11.9	11.0	10.4	9.8	9.2	8.8	8.6	8.3	7.9	7.5
-47.5°	12.2	11.4	10.6	10.1	9.5	9.0	8.7	8.5	8.2	7.8	7.4
-48.75°	11.7	10.9	10.3	9.8	9.3	8.9	8.6	8.4	8.1	7.6	7.2
-50°	11.2	10.5	10.0	9.5	9.0	8.8	8.5	8.3	7.9	7.5	7.1
-51.25°	10.7	10.2	9.7	9.2	8.9	8.6	8.4	8.1	7.7	7.3	6.9
-52.5°	10.4	9.9	9.4	9.0	8.7	8.5	8.3	7.9	7.6	7.2	6.8
-53.75°	10.0	9.6	9.1	8.8	8.6	8.4	8.1	7.8	7.4	7.0	6.6
-55°	9.7	9.2	8.9	8.7	8.5	8.3	7.9	7.6	7.2	6.9	6.4
-56.25°	9.3	9.0	8.8	8.5	8.3	8.1	7.7	7.4	7.0	6.6	6.2
-57.5°	9.0	8.8	8.6	8.4	8.2	7.9	7.5	7.2	6.9	6.4	6.0
-58.75°	8.8	8.6	8.4	8.3	8.0	7.7	7.3	7.0	6.6	6.2	5.8
-60°	8.7	8.5	8.3	8.0	7.7	7.4	7.1	6.8	6.4	6.0	5.6
-61.25°	8.5	8.3	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.8	5.4
-62.5°	8.3	8.1	7.8	7.6	7.3	7.0	6.7	6.3	5.9	5.5	5.1
-63.75°	8.1	7.8	7.6	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.9
-65°	7.8	7.6	7.3	7.1	6.8	6.4	6.1	5.8	5.4	5.1	4.7
-66.25°	7.5	7.3	7.0	6.8	6.4	6.1	5.8	5.5	5.2	4.8	4.5
-67.5°	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.2
-68.75°	6.9	6.7	6.4	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0
-70°	6.5	6.3	6.0	5.8	5.5	5.2	4.9	4.6	4.3	4.1	3.8
-71.25°	6.1	5.9	5.7	5.4	5.2	4.9	4.6	4.3	4.1	3.8	3.5
-72.5°	5.8	5.5	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.5	3.3
-73.75°	5.4	5.1	4.9	4.7	4.5	4.2	4.0	3.8	3.5	3.3	3.0
-75°	4.9	4.7	4.5	4.3	4.1	3.9	3.7	3.5	3.2	2.9	2.7
-76.25°	4.5	4.3	4.1	4.0	3.8	3.6	3.4	3.1	2.9	2.6	2.4
-77.5°	4.1	3.9	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.3	2.1



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CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8
-80°	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5
-81.25°	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3
-82.5°	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.3	1.2	1.1
-83.75°	1.7	1.6	1.5	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-85°	1.2	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.7
-86.25°	0.9	0.9	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5
-87.5°	0.6	0.6	0.6	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	0.3	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



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CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-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°	8.2	7.6	7.1	6.4	5.7	5.0	4.3	3.5	2.7	1.8	1.1
32.5°	8.2	7.7	7.2	6.5	5.8	5.1	4.4	3.6	2.7	1.9	1.1
31.25°	8.3	7.8	7.2	6.6	5.9	5.2	4.4	3.6	2.8	1.9	1.1
30°	8.3	7.9	7.3	6.7	6.0	5.2	4.5	3.7	2.8	1.9	1.1
28.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.1
27.5°	8.4	8.0	7.5	6.9	6.1	5.4	4.6	3.8	2.9	2.0	1.2
26.25°	8.5	8.1	7.5	6.9	6.2	5.4	4.6	3.8	3.0	2.0	1.2
25°	8.5	8.2	7.6	7.0	6.3	5.5	4.7	3.9	3.0	2.1	1.2
23.75°	8.6	8.2	7.6	7.0	6.3	5.5	4.7	3.9	3.0	2.1	1.2
22.5°	8.6	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2
21.25°	8.7	8.3	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2
20°	8.7	8.3	7.8	7.2	6.5	5.7	4.9	4.0	3.1	2.2	1.2
18.75°	8.7	8.4	7.8	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2
17.5°	8.8	8.4	7.9	7.3	6.6	5.8	4.9	4.1	3.2	2.2	1.2
16.25°	8.8	8.4	7.9	7.3	6.6	5.8	5.0	4.1	3.2	2.2	1.2
15°	8.8	8.4	8.0	7.3	6.7	5.8	5.0	4.1	3.3	2.2	1.3
13.75°	8.9	8.5	8.0	7.4	6.7	5.9	5.0	4.2	3.3	2.3	1.3
12.5°	8.9	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.3	2.3	1.3
11.25°	8.9	8.5	8.1	7.4	6.8	5.9	5.1	4.2	3.3	2.3	1.3
10°	8.9	8.5	8.1	7.5	6.8	6.0	5.1	4.2	3.3	2.3	1.3
8.75°	8.9	8.5	8.1	7.5	6.8	6.0	5.1	4.2	3.4	2.3	1.3
7.5°	9.0	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.4	2.3	1.3
6.25°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
5°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
3.75°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
2.5°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
1.25°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
0°	9.0	8.6	8.2	7.6	6.9	6.1	5.2	4.3	3.4	2.4	1.3
-1.25°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-2.5°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-3.75°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-5°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-6.25°	9.0	8.6	8.2	7.5	6.9	6.0	5.2	4.3	3.4	2.3	1.3
-7.5°	9.0	8.6	8.1	7.5	6.8	6.0	5.2	4.3	3.4	2.3	1.3
-8.75°	8.9	8.5	8.1	7.5	6.8	6.0	5.1	4.2	3.4	2.3	1.3
-10°	8.9	8.5	8.1	7.5	6.8	6.0	5.1	4.2	3.3	2.3	1.3
-11.25°	8.9	8.5	8.1	7.4	6.8	5.9	5.1	4.2	3.3	2.3	1.3
-12.5°	8.9	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.3	2.3	1.3
-13.75°	8.9	8.5	8.0	7.4	6.7	5.9	5.0	4.2	3.3	2.3	1.3
-15°	8.8	8.4	8.0	7.3	6.7	5.8	5.0	4.1	3.3	2.2	1.3
-16.25°	8.8	8.4	7.9	7.3	6.6	5.8	5.0	4.1	3.2	2.2	1.2
-17.5°	8.8	8.4	7.9	7.3	6.6	5.8	4.9	4.1	3.2	2.2	1.2
-18.75°	8.7	8.4	7.8	7.2	6.5	5.7	4.9	4.1	3.2	2.2	1.2
-20°	8.7	8.3	7.8	7.2	6.5	5.7	4.9	4.0	3.1	2.2	1.2
-21.25°	8.7	8.3	7.8	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2



REPORT NUMBER: P220441 (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°	8.6	8.3	7.7	7.1	6.4	5.6	4.8	4.0	3.1	2.1	1.2
-23.75°	8.6	8.2	7.6	7.0	6.3	5.5	4.7	3.9	3.0	2.1	1.2
-25°	8.5	8.2	7.6	7.0	6.3	5.5	4.7	3.9	3.0	2.1	1.2
-26.25°	8.5	8.1	7.5	6.9	6.2	5.4	4.6	3.8	3.0	2.0	1.2
-27.5°	8.4	8.0	7.5	6.9	6.1	5.4	4.6	3.8	2.9	2.0	1.2
-28.75°	8.4	8.0	7.4	6.8	6.1	5.3	4.5	3.7	2.9	2.0	1.1
-30°	8.3	7.9	7.3	6.7	6.0	5.2	4.5	3.7	2.8	1.9	1.1
-31.25°	8.3	7.8	7.2	6.6	5.9	5.2	4.4	3.6	2.8	1.9	1.1
-32.5°	8.2	7.7	7.2	6.5	5.8	5.1	4.4	3.6	2.7	1.9	1.1
-33.75°	8.2	7.6	7.1	6.4	5.7	5.0	4.3	3.5	2.7	1.8	1.1
-35°	8.1	7.5	7.0	6.4	5.7	5.0	4.2	3.5	2.6	1.8	1.1
-36.25°	8.0	7.4	6.9	6.3	5.6	4.9	4.2	3.4	2.6	1.7	1.0
-37.5°	7.9	7.4	6.8	6.2	5.5	4.8	4.1	3.4	2.5	1.7	1.0
-38.75°	7.8	7.3	6.7	6.1	5.4	4.7	4.0	3.3	2.5	1.7	1.0
-40°	7.6	7.2	6.6	5.9	5.3	4.6	3.9	3.2	2.4	1.6	1.0
-41.25°	7.5	7.1	6.5	5.8	5.2	4.5	3.9	3.1	2.4	1.6	1.0
-42.5°	7.4	6.9	6.3	5.7	5.1	4.4	3.8	3.1	2.3	1.5	1.0
-43.75°	7.3	6.8	6.2	5.6	5.0	4.3	3.7	3.0	2.2	1.5	0.9
-45°	7.2	6.7	6.1	5.5	4.9	4.2	3.6	2.9	2.2	1.4	0.9
-46.25°	7.1	6.5	6.0	5.4	4.8	4.1	3.5	2.8	2.1	1.4	0.9
-47.5°	6.9	6.4	5.8	5.3	4.7	4.0	3.4	2.7	2.0	1.3	0.9
-48.75°	6.8	6.2	5.7	5.1	4.5	3.9	3.3	2.7	2.0	1.3	0.9
-50°	6.6	6.1	5.5	5.0	4.4	3.8	3.2	2.6	1.9	1.3	0.8
-51.25°	6.4	5.9	5.4	4.9	4.3	3.7	3.1	2.5	1.8	1.2	0.8
-52.5°	6.3	5.8	5.2	4.7	4.2	3.6	3.0	2.4	1.8	1.2	0.8
-53.75°	6.1	5.6	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.2	0.8
-55°	5.9	5.4	4.9	4.4	3.9	3.4	2.8	2.2	1.6	1.1	0.7
-56.25°	5.7	5.3	4.8	4.3	3.8	3.3	2.7	2.1	1.5	1.1	0.7
-57.5°	5.5	5.1	4.6	4.1	3.7	3.1	2.6	2.0	1.5	1.0	0.7
-58.75°	5.3	4.9	4.4	4.0	3.5	3.0	2.5	1.9	1.4	1.0	0.7
-60°	5.2	4.7	4.3	3.8	3.4	2.9	2.3	1.8	1.3	1.0	0.6
-61.25°	4.9	4.5	4.1	3.7	3.2	2.7	2.2	1.7	1.2	0.9	0.6
-62.5°	4.7	4.3	3.9	3.5	3.1	2.6	2.1	1.6	1.2	0.9	0.6
-63.75°	4.5	4.1	3.8	3.4	2.9	2.4	2.0	1.5	1.1	0.9	0.6
-65°	4.3	4.0	3.6	3.2	2.7	2.3	1.9	1.4	1.1	0.8	0.5
-66.25°	4.1	3.8	3.4	3.0	2.6	2.2	1.7	1.3	1.0	0.8	0.5
-67.5°	3.9	3.6	3.2	2.8	2.4	2.0	1.6	1.2	1.0	0.7	0.5
-68.75°	3.7	3.4	3.0	2.6	2.2	1.9	1.5	1.2	0.9	0.7	0.5
-70°	3.5	3.1	2.8	2.4	2.1	1.7	1.3	1.1	0.9	0.7	0.4
-71.25°	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.8	0.6	0.4
-72.5°	2.9	2.6	2.3	2.0	1.7	1.4	1.2	1.0	0.8	0.6	0.4
-73.75°	2.7	2.4	2.1	1.8	1.5	1.3	1.1	0.9	0.7	0.5	0.4
-75°	2.4	2.2	1.9	1.6	1.4	1.2	1.0	0.8	0.7	0.5	0.3
-76.25°	2.2	1.9	1.7	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
-77.5°	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3



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CANDELA DISTRIBUTION (continued):

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



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	0.5	0.0
32.5°	0.5	0.0
31.25°	0.6	0.0
30°	0.6	0.0
28.75°	0.6	0.0
27.5°	0.6	0.0
26.25°	0.6	0.0
25°	0.6	0.0
23.75°	0.6	0.0
22.5°	0.6	0.0
21.25°	0.6	0.0
20°	0.6	0.0
18.75°	0.6	0.0
17.5°	0.6	0.0
16.25°	0.6	0.0
15°	0.6	0.0
13.75°	0.6	0.0
12.5°	0.6	0.0
11.25°	0.6	0.0
10°	0.6	0.0
8.75°	0.6	0.0
7.5°	0.6	0.0
6.25°	0.6	0.0
5°	0.6	0.0
3.75°	0.6	0.0
2.5°	0.6	0.0
1.25°	0.6	0.0
0°	0.6	0.0
-1.25°	0.6	0.0
-2.5°	0.6	0.0
-3.75°	0.6	0.0
-5°	0.6	0.0
-6.25°	0.6	0.0
-7.5°	0.6	0.0
-8.75°	0.6	0.0
-10°	0.6	0.0
-11.25°	0.6	0.0
-12.5°	0.6	0.0
-13.75°	0.6	0.0
-15°	0.6	0.0
-16.25°	0.6	0.0
-17.5°	0.6	0.0
-18.75°	0.6	0.0
-20°	0.6	0.0
-21.25°	0.6	0.0



REPORT NUMBER: P220441 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	0.6	0.0
-23.75°	0.6	0.0
-25°	0.6	0.0
-26.25°	0.6	0.0
-27.5°	0.6	0.0
-28.75°	0.6	0.0
-30°	0.6	0.0
-31.25°	0.6	0.0
-32.5°	0.5	0.0
-33.75°	0.5	0.0
-35°	0.5	0.0
-36.25°	0.5	0.0
-37.5°	0.5	0.0
-38.75°	0.5	0.0
-40°	0.5	0.0
-41.25°	0.5	0.0
-42.5°	0.5	0.0
-43.75°	0.5	0.0
-45°	0.5	0.0
-46.25°	0.4	0.0
-47.5°	0.4	0.0
-48.75°	0.4	0.0
-50°	0.4	0.0
-51.25°	0.4	0.0
-52.5°	0.4	0.0
-53.75°	0.4	0.0
-55°	0.4	0.0
-56.25°	0.4	0.0
-57.5°	0.3	0.0
-58.75°	0.3	0.0
-60°	0.3	0.0
-61.25°	0.3	0.0
-62.5°	0.3	0.0
-63.75°	0.3	0.0
-65°	0.3	0.0
-66.25°	0.3	0.0
-67.5°	0.2	0.0
-68.75°	0.2	0.0
-70°	0.2	0.0
-71.25°	0.2	0.0
-72.5°	0.2	0.0
-73.75°	0.2	0.0
-75°	0.2	0.0
-76.25°	0.2	0.0
-77.5°	0.1	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-S-WT-L1-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)