

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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV**

Issue Date: 3/3/2020

Test Information

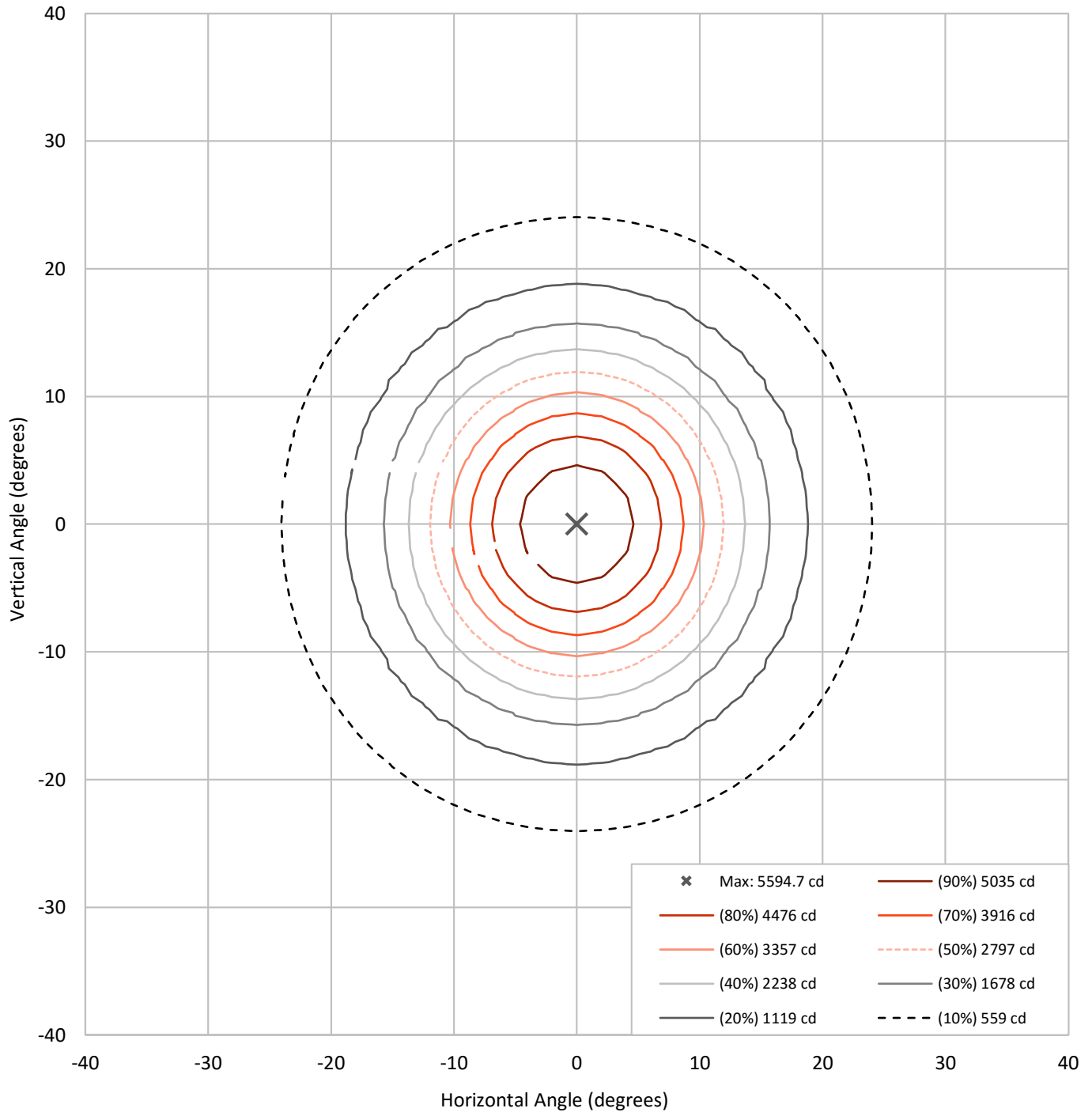
Test Method: LM-79-08
Report Number: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29469)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV
Description: LUMIERE LANTERRA 1003 LED ACCENT/SIGN LUMINAIRE, RECESSED LENS,
MEDIUM FLOOD OPTIC, WHITE HOUSING.
Light Source: (1) 4000K CCT, 97 CRI LED
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	1370.2 lumens	Max Intensity:	5594.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	68.2 lumens/watt		
Luminous Opening:	Circular (Dia: 0.25' x H: 0')		
Beam Angle (50%):	23.9°H x 23.9°V	Field Angle (10%):	48.1°H x 48.1°V
Beam Lumens:	546.6 lumens	Field Lumens:	1074.8 lumens
Beam Efficiency:	39.9%	Field Efficiency:	78.4%
Input Watts (W):	20.1		
Input Voltage (V):	120		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





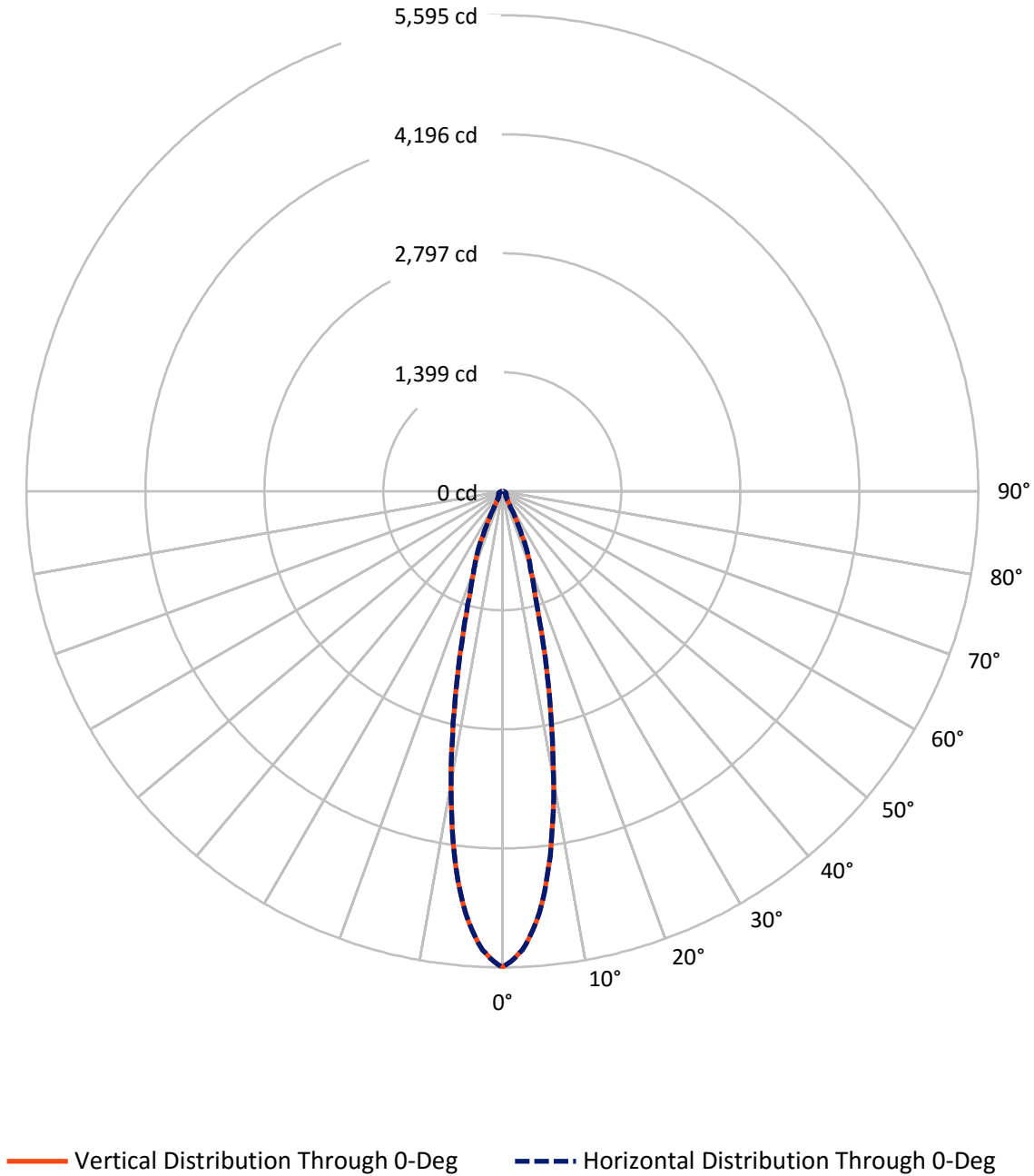
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Lumen Table

90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
80	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
70	0.2	0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	0.9	0.7	0.5	0.3	0.2	0.2			
60		0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2				
50	0.3	0.3	0.6	1.0	1.4	1.6	1.8	1.9	1.9	1.8	1.6	1.4	1.0	0.6	0.3	0.3			
40		0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4				
30	0.3	0.4	0.9	1.3	1.6	2.3	6.0	13.0	13.0	6.0	2.3	1.6	1.3	0.9	0.4	0.3			
20		0.5	0.9	1.3	1.8	5.7	25.7	52.4	52.4	25.7	5.7	1.8	1.3	0.9	0.5				
10	0.3	0.5	1.0	1.3	2.1	12.0	51.0	125.8	125.8	51.0	12.0	2.1	1.3	1.0	0.5	0.3			
0		0.5	1.0	1.3	2.1	12.0	51.0	125.8	125.8	51.0	12.0	2.1	1.3	1.0	0.5				
-10	0.3	0.5	0.9	1.3	1.8	5.7	25.7	52.4	52.4	25.7	5.7	1.8	1.3	0.9	0.5	0.3			
-20		0.4	0.9	1.3	1.6	2.3	6.0	13.0	13.0	6.0	2.3	1.6	1.3	0.9	0.4				
-30	0.3	0.4	0.8	1.2	1.5	1.8	2.1	2.5	2.5	2.1	1.8	1.5	1.2	0.8	0.4	0.3			
-40		0.3	0.6	1.0	1.4	1.6	1.8	1.9	1.9	1.8	1.6	1.4	1.0	0.6	0.3				
-50	0.2	0.2	0.4	0.8	1.1	1.4	1.6	1.7	1.7	1.6	1.4	1.1	0.8	0.4	0.2	0.2			
-60		0.2	0.3	0.5	0.7	0.9	1.1	1.1	1.1	1.1	0.9	0.7	0.5	0.3	0.2				
-70	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1							0.1			
-80		0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
-90	0.1	0.4	0.9	1.3	1.5	1.3	0.9	0.4	0.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

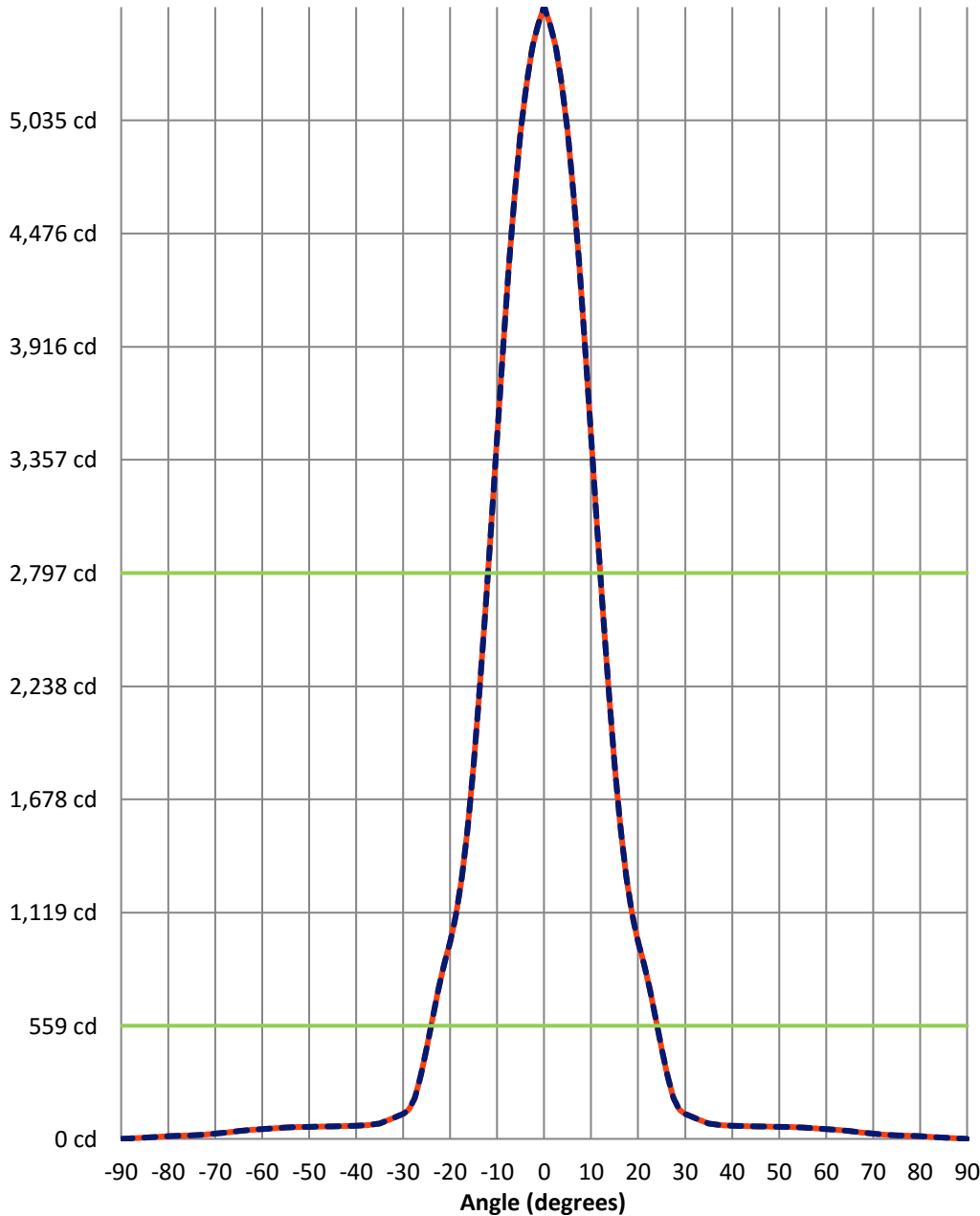
REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 23.9°
 V Angle: 23.9°
 Lumens: 546.6
 Efficiency: 39.9%

Field:
 H Angle: 48.1°
 V Angle: 48.1°
 Lumens: 1074.8
 Efficiency: 78.4%

Spill:
 Lumens: 295.4
 Efficiency: 21.6%

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

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3
87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
81.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
78.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4
76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.4
72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.7
71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.0
70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.8	5.4
68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.2	4.8	5.4	6.0
66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.7	6.3
65°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
61.25°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.8	7.5
60°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.1	7.9
58.75°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.2
57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.8	7.6	8.4
56.25°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.9	8.7
55°	0.0	0.9	1.8	2.8	3.7	4.5	5.4	6.3	7.2	8.1	9.0
53.75°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.4	9.3
52.5°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.7	7.7	8.6	9.6
51.25°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.9	8.9	10.0
50°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.1	9.1	10.3
48.75°	0.0	1.1	2.1	3.2	4.2	5.2	6.2	7.3	8.3	9.4	10.6
47.5°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.5	8.5	9.6	11.0
46.25°	0.0	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.7	9.9	11.3
45°	0.0	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	10.2	11.6
43.75°	0.0	1.2	2.3	3.5	4.6	5.7	6.8	8.0	9.1	10.5	11.9
42.5°	0.0	1.2	2.4	3.5	4.7	5.8	7.0	8.1	9.3	10.7	12.2
41.25°	0.0	1.2	2.4	3.6	4.8	5.9	7.1	8.3	9.5	11.0	12.5
40°	0.0	1.2	2.5	3.7	4.8	6.0	7.2	8.5	9.7	11.3	12.8
38.75°	0.0	1.2	2.5	3.7	4.9	6.1	7.4	8.6	10.0	11.5	13.0
37.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.5	8.8	10.2	11.7	13.3
36.25°	0.0	1.3	2.6	3.8	5.1	6.3	7.6	8.9	10.4	12.0	13.6
35°	0.0	1.3	2.6	3.9	5.2	6.4	7.8	9.1	10.6	12.2	13.7



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
33.75°	0.0	1.3	2.7	4.0	5.3	6.5	7.9	9.2	10.8	12.4	13.9
32.5°	0.0	1.3	2.7	4.0	5.3	6.6	8.0	9.3	11.0	12.7	14.0
31.25°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.5	11.2	12.9	14.1
30°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.6	11.3	13.1	14.3
28.75°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.8	11.5	13.3	14.4
27.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.9	11.7	13.4	14.5
26.25°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	10.0	11.8	13.6	14.6
25°	0.0	1.5	2.9	4.3	5.7	7.1	8.6	10.2	12.0	13.7	14.8
23.75°	0.0	1.5	2.9	4.4	5.8	7.2	8.7	10.3	12.1	13.8	14.9
22.5°	0.0	1.5	3.0	4.4	5.8	7.3	8.8	10.4	12.3	13.9	15.0
21.25°	0.0	1.5	3.0	4.4	5.9	7.4	8.8	10.5	12.4	14.0	15.1
20°	0.0	1.5	3.0	4.5	5.9	7.4	8.9	10.6	12.5	14.0	15.2
18.75°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.8	12.6	14.1	15.3
17.5°	0.0	1.5	3.1	4.5	6.0	7.5	9.1	10.8	12.8	14.2	15.3
16.25°	0.0	1.5	3.1	4.6	6.1	7.6	9.1	10.9	12.9	14.3	15.4
15°	0.0	1.5	3.1	4.6	6.1	7.6	9.2	11.0	12.9	14.3	15.5
13.75°	0.0	1.6	3.1	4.6	6.1	7.7	9.2	11.1	13.0	14.4	15.6
12.5°	0.0	1.6	3.1	4.6	6.2	7.7	9.3	11.2	13.1	14.4	15.6
11.25°	0.0	1.6	3.1	4.7	6.2	7.7	9.3	11.2	13.2	14.5	15.7
10°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.3	13.3	14.5	15.7
8.75°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.3	13.3	14.6	15.8
7.5°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.4	13.4	14.6	15.8
6.25°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	11.4	13.4	14.6	15.8
5°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.7	15.9
3.75°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
2.5°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
1.25°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
0°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
-1.25°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
-2.5°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
-3.75°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.5	13.5	14.7	15.9
-5°	0.0	1.6	3.2	4.7	6.3	7.9	9.5	11.4	13.4	14.7	15.9
-6.25°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	11.4	13.4	14.6	15.8
-7.5°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.4	13.4	14.6	15.8
-8.75°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.3	13.3	14.6	15.8
-10°	0.0	1.6	3.2	4.7	6.2	7.8	9.4	11.3	13.3	14.5	15.7
-11.25°	0.0	1.6	3.1	4.7	6.2	7.7	9.3	11.2	13.2	14.5	15.7
-12.5°	0.0	1.6	3.1	4.6	6.2	7.7	9.3	11.2	13.1	14.4	15.6
-13.75°	0.0	1.6	3.1	4.6	6.1	7.7	9.2	11.1	13.0	14.4	15.6
-15°	0.0	1.5	3.1	4.6	6.1	7.6	9.2	11.0	12.9	14.3	15.5
-16.25°	0.0	1.5	3.1	4.6	6.1	7.6	9.1	10.9	12.9	14.3	15.4
-17.5°	0.0	1.5	3.1	4.5	6.0	7.5	9.1	10.8	12.8	14.2	15.3
-18.75°	0.0	1.5	3.0	4.5	6.0	7.5	9.0	10.8	12.6	14.1	15.3
-20°	0.0	1.5	3.0	4.5	5.9	7.4	8.9	10.6	12.5	14.0	15.2
-21.25°	0.0	1.5	3.0	4.4	5.9	7.4	8.8	10.5	12.4	14.0	15.1



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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-22.5°	0.0	1.5	3.0	4.4	5.8	7.3	8.8	10.4	12.3	13.9	15.0
-23.75°	0.0	1.5	2.9	4.4	5.8	7.2	8.7	10.3	12.1	13.8	14.9
-25°	0.0	1.5	2.9	4.3	5.7	7.1	8.6	10.2	12.0	13.7	14.8
-26.25°	0.0	1.4	2.9	4.3	5.7	7.1	8.5	10.0	11.8	13.6	14.6
-27.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	9.9	11.7	13.4	14.5
-28.75°	0.0	1.4	2.8	4.2	5.5	6.9	8.3	9.8	11.5	13.3	14.4
-30°	0.0	1.4	2.8	4.1	5.5	6.8	8.2	9.6	11.3	13.1	14.3
-31.25°	0.0	1.4	2.7	4.1	5.4	6.7	8.1	9.5	11.2	12.9	14.1
-32.5°	0.0	1.3	2.7	4.0	5.3	6.6	8.0	9.3	11.0	12.7	14.0
-33.75°	0.0	1.3	2.7	4.0	5.3	6.5	7.9	9.2	10.8	12.4	13.9
-35°	0.0	1.3	2.6	3.9	5.2	6.4	7.8	9.1	10.6	12.2	13.7
-36.25°	0.0	1.3	2.6	3.8	5.1	6.3	7.6	8.9	10.4	12.0	13.6
-37.5°	0.0	1.3	2.5	3.8	5.0	6.2	7.5	8.8	10.2	11.7	13.3
-38.75°	0.0	1.2	2.5	3.7	4.9	6.1	7.4	8.6	10.0	11.5	13.0
-40°	0.0	1.2	2.5	3.7	4.8	6.0	7.2	8.5	9.7	11.3	12.8
-41.25°	0.0	1.2	2.4	3.6	4.8	5.9	7.1	8.3	9.5	11.0	12.5
-42.5°	0.0	1.2	2.4	3.5	4.7	5.8	7.0	8.1	9.3	10.7	12.2
-43.75°	0.0	1.2	2.3	3.5	4.6	5.7	6.8	8.0	9.1	10.5	11.9
-45°	0.0	1.1	2.3	3.4	4.5	5.6	6.7	7.8	8.9	10.2	11.6
-46.25°	0.0	1.1	2.2	3.3	4.4	5.5	6.5	7.6	8.7	9.9	11.3
-47.5°	0.0	1.1	2.2	3.2	4.3	5.3	6.4	7.5	8.5	9.6	11.0
-48.75°	0.0	1.1	2.1	3.2	4.2	5.2	6.2	7.3	8.3	9.4	10.6
-50°	0.0	1.0	2.1	3.1	4.1	5.1	6.1	7.1	8.1	9.1	10.3
-51.25°	0.0	1.0	2.0	3.0	4.0	4.9	5.9	6.9	7.9	8.9	10.0
-52.5°	0.0	1.0	1.9	2.9	3.9	4.8	5.8	6.7	7.7	8.6	9.6
-53.75°	0.0	0.9	1.9	2.8	3.8	4.7	5.6	6.5	7.4	8.4	9.3
-55°	0.0	0.9	1.8	2.8	3.7	4.5	5.4	6.3	7.2	8.1	9.0
-56.25°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.9	8.7
-57.5°	0.0	0.9	1.7	2.6	3.4	4.3	5.1	5.9	6.8	7.6	8.4
-58.75°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.2
-60°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.1	7.9
-61.25°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.8	7.5
-62.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.8	6.5	7.2
-63.75°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
-65°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	6.0	6.6
-66.25°	0.0	0.6	1.3	1.9	2.6	3.2	3.8	4.5	5.1	5.7	6.3
-67.5°	0.0	0.6	1.2	1.8	2.4	3.1	3.7	4.2	4.8	5.4	6.0
-68.75°	0.0	0.6	1.2	1.7	2.3	2.9	3.5	4.0	4.6	5.1	5.7
-70°	0.0	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.3	4.8	5.4
-71.25°	0.0	0.5	1.0	1.5	2.1	2.6	3.1	3.6	4.1	4.6	5.0
-72.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.4	3.8	4.3	4.7
-73.75°	0.0	0.4	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0	4.4
-75°	0.0	0.4	0.8	1.2	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-76.25°	0.0	0.4	0.8	1.1	1.5	1.9	2.3	2.7	3.0	3.4	3.8
-77.5°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-90°	-88.75°	-87.5°	-86.25°	-85°	-83.75°	-82.5°	-81.25°	-80°	-78.75°	-77.5°
-78.75°	0.0	0.3	0.6	0.9	1.2	1.6	1.9	2.2	2.5	2.8	3.1
-80°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.8
-81.25°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-82.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.5	1.7	1.9	2.1
-83.75°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7
-85°	0.0	0.1	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4
-86.25°	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
-87.5°	0.0	0.1	0.1	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.7
-88.75°	0.0	0.0	0.1	0.1	0.1	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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	4.2
81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.5	4.7	4.9
80°	3.0	3.3	3.6	3.8	4.1	4.3	4.6	4.8	5.1	5.3	5.6
78.75°	3.4	3.7	4.0	4.3	4.6	4.8	5.1	5.4	5.7	6.0	6.2
77.5°	3.8	4.1	4.4	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9
76.25°	4.1	4.5	4.8	5.2	5.5	5.9	6.2	6.6	6.9	7.3	7.6
75°	4.5	4.9	5.3	5.6	6.0	6.4	6.8	7.2	7.6	7.9	8.3
73.75°	4.8	5.3	5.7	6.1	6.5	6.9	7.4	7.8	8.2	8.6	9.0
72.5°	5.2	5.6	6.1	6.5	7.0	7.5	7.9	8.4	8.8	9.2	9.7
71.25°	5.5	6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.4	10.0	10.6
70°	5.9	6.4	6.9	7.5	8.0	8.5	9.0	9.5	10.2	10.8	11.4
68.75°	6.2	6.8	7.4	7.9	8.5	9.0	9.6	10.3	10.9	11.6	12.3
67.5°	6.6	7.2	7.8	8.4	8.9	9.5	10.3	11.0	11.7	12.4	13.1
66.25°	6.9	7.6	8.2	8.8	9.4	10.2	10.9	11.7	12.4	13.2	13.8
65°	7.3	7.9	8.6	9.2	10.0	10.8	11.6	12.4	13.2	13.8	14.2
63.75°	7.6	8.3	9.0	9.7	10.6	11.4	12.3	13.1	13.8	14.2	14.7
62.5°	8.0	8.7	9.4	10.3	11.2	12.0	12.9	13.7	14.2	14.7	15.2
61.25°	8.3	9.1	9.9	10.8	11.7	12.6	13.5	14.1	14.6	15.2	15.7
60°	8.6	9.4	10.4	11.3	12.3	13.3	13.9	14.5	15.1	15.6	16.1
58.75°	9.0	9.8	10.9	11.9	12.9	13.7	14.3	14.9	15.5	16.0	16.4
57.5°	9.3	10.3	11.3	12.4	13.4	14.1	14.7	15.3	15.9	16.3	16.6
56.25°	9.6	10.7	11.8	12.9	13.8	14.4	15.1	15.7	16.2	16.5	16.9
55°	10.0	11.2	12.3	13.4	14.1	14.8	15.4	16.0	16.4	16.8	17.2
53.75°	10.4	11.6	12.7	13.7	14.4	15.1	15.8	16.2	16.7	17.1	17.6
52.5°	10.8	12.0	13.2	14.0	14.7	15.4	16.0	16.5	16.9	17.3	18.2
51.25°	11.2	12.4	13.6	14.3	15.0	15.8	16.3	16.7	17.2	17.8	18.8
50°	11.6	12.8	13.8	14.6	15.3	16.0	16.5	16.9	17.4	18.4	19.3
48.75°	11.9	13.2	14.1	14.9	15.6	16.2	16.7	17.2	17.9	18.9	19.9
47.5°	12.3	13.6	14.4	15.2	15.9	16.4	16.9	17.4	18.4	19.4	20.5
46.25°	12.6	13.8	14.6	15.4	16.1	16.6	17.1	17.8	18.9	20.0	21.3
45°	13.0	14.0	14.9	15.7	16.3	16.8	17.3	18.3	19.4	20.5	22.2
43.75°	13.3	14.2	15.1	15.9	16.5	17.0	17.6	18.7	19.8	21.2	23.1
42.5°	13.6	14.5	15.3	16.1	16.6	17.2	18.0	19.2	20.3	22.1	24.0
41.25°	13.8	14.7	15.6	16.2	16.8	17.3	18.4	19.6	20.9	22.9	24.9
40°	14.0	14.9	15.8	16.4	17.0	17.6	18.8	20.0	21.7	23.7	25.8
38.75°	14.2	15.1	16.0	16.5	17.1	18.0	19.2	20.4	22.4	24.5	26.6
37.5°	14.3	15.3	16.1	16.7	17.3	18.4	19.6	21.0	23.1	25.3	27.4
36.25°	14.5	15.5	16.2	16.8	17.4	18.7	20.0	21.7	23.9	26.0	28.2
35°	14.7	15.7	16.4	17.0	17.7	19.0	20.3	22.3	24.5	26.8	28.9



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
33.75°	14.8	15.8	16.5	17.1	18.0	19.3	20.7	23.0	25.2	27.5	29.7
32.5°	15.0	16.0	16.6	17.2	18.3	19.7	21.3	23.6	25.9	28.1	30.4
31.25°	15.2	16.1	16.7	17.3	18.6	20.0	21.8	24.2	26.5	28.8	31.1
30°	15.3	16.2	16.8	17.5	18.9	20.3	22.4	24.8	27.1	29.4	31.8
28.75°	15.4	16.3	16.9	17.8	19.2	20.5	22.9	25.3	27.7	30.0	32.6
27.5°	15.6	16.4	17.0	18.0	19.4	21.0	23.4	25.8	28.2	30.6	33.4
26.25°	15.7	16.5	17.1	18.2	19.6	21.4	23.9	26.4	28.8	31.2	34.2
25°	15.8	16.5	17.2	18.4	19.9	21.8	24.4	26.8	29.3	31.8	35.0
23.75°	15.9	16.6	17.3	18.6	20.1	22.3	24.8	27.3	29.8	32.4	35.7
22.5°	16.0	16.7	17.4	18.8	20.3	22.7	25.2	27.8	30.3	33.1	36.4
21.25°	16.1	16.8	17.6	19.0	20.5	23.0	25.6	28.2	30.7	33.7	37.0
20°	16.1	16.8	17.7	19.2	20.8	23.4	26.0	28.6	31.1	34.3	37.6
18.75°	16.2	16.9	17.9	19.4	21.1	23.7	26.4	28.9	31.5	34.8	38.2
17.5°	16.3	17.0	18.0	19.5	21.4	24.0	26.7	29.3	32.0	35.4	38.8
16.25°	16.3	17.0	18.1	19.7	21.7	24.3	27.0	29.6	32.4	35.8	39.2
15°	16.4	17.1	18.3	19.8	21.9	24.6	27.3	29.9	32.8	36.3	39.5
13.75°	16.4	17.1	18.4	19.9	22.2	24.9	27.5	30.2	33.2	36.7	39.9
12.5°	16.5	17.2	18.5	20.1	22.4	25.1	27.8	30.5	33.6	37.1	40.2
11.25°	16.5	17.2	18.6	20.2	22.6	25.3	28.0	30.7	33.9	37.4	40.5
10°	16.5	17.3	18.7	20.2	22.7	25.5	28.2	30.9	34.2	37.7	40.7
8.75°	16.6	17.3	18.8	20.3	22.9	25.7	28.4	31.1	34.5	38.0	40.9
7.5°	16.6	17.3	18.8	20.4	23.0	25.8	28.5	31.3	34.7	38.2	41.1
6.25°	16.6	17.3	18.9	20.5	23.1	25.9	28.7	31.4	34.9	38.4	41.3
5°	16.6	17.4	18.9	20.5	23.2	26.0	28.8	31.5	35.0	38.6	41.4
3.75°	16.6	17.4	19.0	20.6	23.3	26.1	28.8	31.6	35.1	38.7	41.5
2.5°	16.6	17.4	19.0	20.6	23.4	26.2	28.9	31.7	35.2	38.8	41.6
1.25°	16.6	17.4	19.0	20.6	23.4	26.2	28.9	31.7	35.3	38.9	41.6
0°	16.7	17.4	19.0	20.6	23.4	26.2	29.0	31.7	35.3	38.9	41.7
-1.25°	16.6	17.4	19.0	20.6	23.4	26.2	28.9	31.7	35.3	38.9	41.6
-2.5°	16.6	17.4	19.0	20.6	23.4	26.2	28.9	31.7	35.2	38.8	41.6
-3.75°	16.6	17.4	19.0	20.6	23.3	26.1	28.8	31.6	35.1	38.7	41.5
-5°	16.6	17.4	18.9	20.5	23.2	26.0	28.8	31.5	35.0	38.6	41.4
-6.25°	16.6	17.3	18.9	20.5	23.1	25.9	28.7	31.4	34.9	38.4	41.3
-7.5°	16.6	17.3	18.8	20.4	23.0	25.8	28.5	31.3	34.7	38.2	41.1
-8.75°	16.6	17.3	18.8	20.3	22.9	25.7	28.4	31.1	34.5	38.0	40.9
-10°	16.5	17.3	18.7	20.2	22.7	25.5	28.2	30.9	34.2	37.7	40.7
-11.25°	16.5	17.2	18.6	20.2	22.6	25.3	28.0	30.7	33.9	37.4	40.5
-12.5°	16.5	17.2	18.5	20.1	22.4	25.1	27.8	30.5	33.6	37.1	40.2
-13.75°	16.4	17.1	18.4	19.9	22.2	24.9	27.5	30.2	33.2	36.7	39.9
-15°	16.4	17.1	18.3	19.8	21.9	24.6	27.3	29.9	32.8	36.3	39.5
-16.25°	16.3	17.0	18.1	19.7	21.7	24.3	27.0	29.6	32.4	35.8	39.2
-17.5°	16.3	17.0	18.0	19.5	21.4	24.0	26.7	29.3	32.0	35.4	38.8
-18.75°	16.2	16.9	17.9	19.4	21.1	23.7	26.4	28.9	31.5	34.8	38.2
-20°	16.1	16.8	17.7	19.2	20.8	23.4	26.0	28.6	31.1	34.3	37.6
-21.25°	16.1	16.8	17.6	19.0	20.5	23.0	25.6	28.2	30.7	33.7	37.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-22.5°	16.0	16.7	17.4	18.8	20.3	22.7	25.2	27.8	30.3	33.1	36.4
-23.75°	15.9	16.6	17.3	18.6	20.1	22.3	24.8	27.3	29.8	32.4	35.7
-25°	15.8	16.5	17.2	18.4	19.9	21.8	24.4	26.8	29.3	31.8	35.0
-26.25°	15.7	16.5	17.1	18.2	19.6	21.4	23.9	26.4	28.8	31.2	34.2
-27.5°	15.6	16.4	17.0	18.0	19.4	21.0	23.4	25.8	28.2	30.6	33.4
-28.75°	15.4	16.3	16.9	17.8	19.2	20.5	22.9	25.3	27.7	30.0	32.6
-30°	15.3	16.2	16.8	17.5	18.9	20.3	22.4	24.8	27.1	29.4	31.8
-31.25°	15.2	16.1	16.7	17.3	18.6	20.0	21.8	24.2	26.5	28.8	31.1
-32.5°	15.0	16.0	16.6	17.2	18.3	19.7	21.3	23.6	25.9	28.1	30.4
-33.75°	14.8	15.8	16.5	17.1	18.0	19.3	20.7	23.0	25.2	27.5	29.7
-35°	14.7	15.7	16.4	17.0	17.7	19.0	20.3	22.3	24.5	26.8	28.9
-36.25°	14.5	15.5	16.2	16.8	17.4	18.7	20.0	21.7	23.9	26.0	28.2
-37.5°	14.3	15.3	16.1	16.7	17.3	18.4	19.6	21.0	23.1	25.3	27.4
-38.75°	14.2	15.1	16.0	16.5	17.1	18.0	19.2	20.4	22.4	24.5	26.6
-40°	14.0	14.9	15.8	16.4	17.0	17.6	18.8	20.0	21.7	23.7	25.8
-41.25°	13.8	14.7	15.6	16.2	16.8	17.3	18.4	19.6	20.9	22.9	24.9
-42.5°	13.6	14.5	15.3	16.1	16.6	17.2	18.0	19.2	20.3	22.1	24.0
-43.75°	13.3	14.2	15.1	15.9	16.5	17.0	17.6	18.7	19.8	21.2	23.1
-45°	13.0	14.0	14.9	15.7	16.3	16.8	17.3	18.3	19.4	20.5	22.2
-46.25°	12.6	13.8	14.6	15.4	16.1	16.6	17.1	17.8	18.9	20.0	21.3
-47.5°	12.3	13.6	14.4	15.2	15.9	16.4	16.9	17.4	18.4	19.4	20.5
-48.75°	11.9	13.2	14.1	14.9	15.6	16.2	16.7	17.2	17.9	18.9	19.9
-50°	11.6	12.8	13.8	14.6	15.3	16.0	16.5	16.9	17.4	18.4	19.3
-51.25°	11.2	12.4	13.6	14.3	15.0	15.8	16.3	16.7	17.2	17.8	18.8
-52.5°	10.8	12.0	13.2	14.0	14.7	15.4	16.0	16.5	16.9	17.3	18.2
-53.75°	10.4	11.6	12.7	13.7	14.4	15.1	15.8	16.2	16.7	17.1	17.6
-55°	10.0	11.2	12.3	13.4	14.1	14.8	15.4	16.0	16.4	16.8	17.2
-56.25°	9.6	10.7	11.8	12.9	13.8	14.4	15.1	15.7	16.2	16.5	16.9
-57.5°	9.3	10.3	11.3	12.4	13.4	14.1	14.7	15.3	15.9	16.3	16.6
-58.75°	9.0	9.8	10.9	11.9	12.9	13.7	14.3	14.9	15.5	16.0	16.4
-60°	8.6	9.4	10.4	11.3	12.3	13.3	13.9	14.5	15.1	15.6	16.1
-61.25°	8.3	9.1	9.9	10.8	11.7	12.6	13.5	14.1	14.6	15.2	15.7
-62.5°	8.0	8.7	9.4	10.3	11.2	12.0	12.9	13.7	14.2	14.7	15.2
-63.75°	7.6	8.3	9.0	9.7	10.6	11.4	12.3	13.1	13.8	14.2	14.7
-65°	7.3	7.9	8.6	9.2	10.0	10.8	11.6	12.4	13.2	13.8	14.2
-66.25°	6.9	7.6	8.2	8.8	9.4	10.2	10.9	11.7	12.4	13.2	13.8
-67.5°	6.6	7.2	7.8	8.4	8.9	9.5	10.3	11.0	11.7	12.4	13.1
-68.75°	6.2	6.8	7.4	7.9	8.5	9.0	9.6	10.3	10.9	11.6	12.3
-70°	5.9	6.4	6.9	7.5	8.0	8.5	9.0	9.5	10.2	10.8	11.4
-71.25°	5.5	6.0	6.5	7.0	7.5	8.0	8.5	8.9	9.4	10.0	10.6
-72.5°	5.2	5.6	6.1	6.5	7.0	7.5	7.9	8.4	8.8	9.2	9.7
-73.75°	4.8	5.3	5.7	6.1	6.5	6.9	7.4	7.8	8.2	8.6	9.0
-75°	4.5	4.9	5.3	5.6	6.0	6.4	6.8	7.2	7.6	7.9	8.3
-76.25°	4.1	4.5	4.8	5.2	5.5	5.9	6.2	6.6	6.9	7.3	7.6
-77.5°	3.8	4.1	4.4	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-76.25°	-75°	-73.75°	-72.5°	-71.25°	-70°	-68.75°	-67.5°	-66.25°	-65°	-63.75°
-78.75°	3.4	3.7	4.0	4.3	4.6	4.8	5.1	5.4	5.7	6.0	6.2
-80°	3.0	3.3	3.6	3.8	4.1	4.3	4.6	4.8	5.1	5.3	5.6
-81.25°	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.2	4.5	4.7	4.9
-82.5°	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.8	4.0	4.2
-83.75°	1.9	2.1	2.2	2.4	2.6	2.7	2.9	3.1	3.2	3.4	3.5
-85°	1.5	1.7	1.8	1.9	2.1	2.2	2.3	2.4	2.6	2.7	2.8
-86.25°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
-87.5°	0.8	0.8	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.4
-88.75°	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
85°	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1
83.75°	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.7	4.8	4.9	5.1
82.5°	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
81.25°	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1
80°	5.8	6.0	6.3	6.5	6.8	7.0	7.2	7.4	7.7	7.9	8.1
78.75°	6.5	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.6	8.9	9.1
77.5°	7.2	7.5	7.9	8.2	8.4	8.7	9.0	9.3	9.6	10.0	10.3
76.25°	8.0	8.3	8.6	9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6
75°	8.7	9.1	9.4	9.8	10.3	10.7	11.2	11.6	12.0	12.4	12.8
73.75°	9.4	9.9	10.4	10.9	11.3	11.8	12.3	12.7	13.2	13.6	13.8
72.5°	10.3	10.8	11.3	11.9	12.4	12.9	13.4	13.7	14.0	14.3	14.6
71.25°	11.2	11.7	12.3	12.9	13.4	13.8	14.1	14.4	14.7	15.0	15.3
70°	12.0	12.6	13.3	13.7	14.1	14.4	14.8	15.1	15.4	15.8	16.0
68.75°	12.9	13.5	13.9	14.3	14.7	15.1	15.4	15.8	16.0	16.3	16.5
67.5°	13.7	14.1	14.5	14.9	15.3	15.7	16.0	16.2	16.5	16.7	16.9
66.25°	14.2	14.6	15.1	15.5	15.9	16.2	16.4	16.7	16.9	17.2	17.4
65°	14.7	15.2	15.6	16.0	16.3	16.5	16.8	17.1	17.3	17.8	18.4
63.75°	15.2	15.7	16.1	16.4	16.6	16.9	17.2	17.6	18.2	18.8	19.3
62.5°	15.7	16.1	16.4	16.7	17.0	17.3	17.9	18.5	19.1	19.7	20.3
61.25°	16.1	16.4	16.7	17.1	17.4	18.0	18.7	19.4	20.0	20.6	21.7
60°	16.4	16.7	17.1	17.4	18.1	18.8	19.5	20.2	21.1	22.3	23.4
58.75°	16.7	17.1	17.4	18.2	18.9	19.6	20.4	21.4	22.6	23.8	25.0
57.5°	17.0	17.4	18.1	18.9	19.7	20.4	21.6	22.9	24.2	25.4	26.6
56.25°	17.3	18.0	18.8	19.6	20.4	21.7	23.0	24.4	25.7	27.0	28.2
55°	17.9	18.7	19.5	20.4	21.6	23.0	24.4	25.8	27.2	28.5	29.8
53.75°	18.5	19.4	20.2	21.4	22.9	24.4	25.8	27.2	28.6	30.0	31.3
52.5°	19.1	20.0	21.1	22.6	24.2	25.7	27.2	28.6	30.1	31.5	33.2
51.25°	19.7	20.6	22.3	23.8	25.4	27.0	28.5	30.0	31.5	33.3	35.2
50°	20.3	21.7	23.4	25.0	26.6	28.2	29.8	31.3	33.2	35.2	37.2
48.75°	21.1	22.8	24.5	26.2	27.8	29.5	31.1	33.0	35.1	37.1	39.1
47.5°	22.1	23.9	25.6	27.3	29.0	30.7	32.6	34.7	36.8	38.9	40.5
46.25°	23.1	24.9	26.7	28.5	30.2	32.0	34.2	36.4	38.6	40.3	42.0
45°	24.1	25.9	27.8	29.5	31.3	33.5	35.8	38.1	40.0	41.7	43.4
43.75°	25.0	26.9	28.8	30.6	32.7	35.0	37.4	39.5	41.3	43.0	44.7
42.5°	26.0	27.9	29.8	31.7	34.1	36.5	38.9	40.8	42.6	44.4	45.7
41.25°	26.9	28.8	30.8	33.0	35.5	38.0	40.1	42.0	43.8	45.3	46.6
40°	27.8	29.8	31.8	34.3	36.9	39.3	41.2	43.2	44.9	46.2	47.6
38.75°	28.6	30.7	33.0	35.6	38.2	40.4	42.4	44.3	45.8	47.2	48.5
37.5°	29.5	31.6	34.2	36.9	39.4	41.4	43.4	45.2	46.6	48.0	49.4
36.25°	30.3	32.6	35.4	38.1	40.4	42.5	44.5	46.0	47.4	48.9	50.3
35°	31.1	33.7	36.5	39.2	41.3	43.5	45.2	46.8	48.3	49.7	51.2



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
33.75°	31.9	34.8	37.6	40.1	42.3	44.4	46.0	47.5	49.0	50.5	52.0
32.5°	32.9	35.8	38.7	41.0	43.2	45.1	46.7	48.3	49.8	51.3	52.8
31.25°	33.9	36.8	39.6	41.8	44.1	45.8	47.4	49.0	50.5	52.1	53.6
30°	34.8	37.8	40.3	42.6	44.8	46.4	48.1	49.7	51.2	52.8	54.4
28.75°	35.7	38.7	41.1	43.4	45.4	47.0	48.7	50.3	51.9	53.6	55.2
27.5°	36.5	39.5	41.8	44.2	45.9	47.6	49.3	50.9	52.6	54.3	55.9
26.25°	37.4	40.1	42.5	44.8	46.5	48.2	49.9	51.6	53.2	54.9	56.5
25°	38.1	40.8	43.2	45.3	47.0	48.8	50.5	52.2	53.9	55.6	56.9
23.75°	38.9	41.4	43.8	45.8	47.5	49.3	51.0	52.7	54.5	56.2	57.3
22.5°	39.5	41.9	44.4	46.2	48.0	49.8	51.5	53.3	55.1	56.6	57.7
21.25°	40.0	42.5	44.8	46.7	48.5	50.2	52.0	53.8	55.6	57.0	58.0
20°	40.5	43.0	45.2	47.1	48.9	50.7	52.5	54.3	56.1	57.3	58.4
18.75°	40.9	43.5	45.6	47.5	49.3	51.1	52.9	54.8	56.5	57.6	58.7
17.5°	41.4	44.0	46.0	47.8	49.7	51.5	53.4	55.2	56.8	57.9	58.8
16.25°	41.8	44.4	46.3	48.2	50.0	51.9	53.8	55.6	57.0	58.2	58.9
15°	42.2	44.7	46.6	48.5	50.4	52.2	54.1	56.0	57.3	58.4	59.0
13.75°	42.5	45.0	46.9	48.8	50.7	52.6	54.5	56.4	57.5	58.6	59.1
12.5°	42.8	45.2	47.2	49.1	51.0	52.9	54.8	56.5	57.7	58.8	59.1
11.25°	43.1	45.4	47.4	49.3	51.2	53.1	55.1	56.7	57.9	58.8	59.2
10°	43.4	45.6	47.6	49.5	51.4	53.4	55.3	56.9	58.1	58.9	59.3
8.75°	43.6	45.8	47.8	49.7	51.6	53.6	55.6	57.0	58.2	58.9	59.3
7.5°	43.8	46.0	47.9	49.9	51.8	53.8	55.8	57.2	58.3	59.0	59.4
6.25°	44.0	46.1	48.1	50.0	52.0	53.9	55.9	57.3	58.4	59.0	59.4
5°	44.2	46.2	48.2	50.1	52.1	54.1	56.1	57.3	58.5	59.0	59.4
3.75°	44.3	46.3	48.3	50.2	52.2	54.2	56.2	57.4	58.6	59.1	59.5
2.5°	44.3	46.4	48.3	50.3	52.2	54.2	56.2	57.5	58.7	59.1	59.5
1.25°	44.4	46.4	48.4	50.3	52.3	54.3	56.3	57.5	58.7	59.1	59.5
0°	44.4	46.4	48.4	50.4	52.3	54.3	56.3	57.5	58.7	59.1	59.5
-1.25°	44.4	46.4	48.4	50.3	52.3	54.3	56.3	57.5	58.7	59.1	59.5
-2.5°	44.3	46.4	48.3	50.3	52.2	54.2	56.2	57.5	58.7	59.1	59.5
-3.75°	44.3	46.3	48.3	50.2	52.2	54.2	56.2	57.4	58.6	59.1	59.5
-5°	44.2	46.2	48.2	50.1	52.1	54.1	56.1	57.3	58.5	59.0	59.4
-6.25°	44.0	46.1	48.1	50.0	52.0	53.9	55.9	57.3	58.4	59.0	59.4
-7.5°	43.8	46.0	47.9	49.9	51.8	53.8	55.8	57.2	58.3	59.0	59.4
-8.75°	43.6	45.8	47.8	49.7	51.6	53.6	55.6	57.0	58.2	58.9	59.3
-10°	43.4	45.6	47.6	49.5	51.4	53.4	55.3	56.9	58.1	58.9	59.3
-11.25°	43.1	45.4	47.4	49.3	51.2	53.1	55.1	56.7	57.9	58.8	59.2
-12.5°	42.8	45.2	47.2	49.1	51.0	52.9	54.8	56.5	57.7	58.8	59.1
-13.75°	42.5	45.0	46.9	48.8	50.7	52.6	54.5	56.4	57.5	58.6	59.1
-15°	42.2	44.7	46.6	48.5	50.4	52.2	54.1	56.0	57.3	58.4	59.0
-16.25°	41.8	44.4	46.3	48.2	50.0	51.9	53.8	55.6	57.0	58.2	58.9
-17.5°	41.4	44.0	46.0	47.8	49.7	51.5	53.4	55.2	56.8	57.9	58.8
-18.75°	40.9	43.5	45.6	47.5	49.3	51.1	52.9	54.8	56.5	57.6	58.7
-20°	40.5	43.0	45.2	47.1	48.9	50.7	52.5	54.3	56.1	57.3	58.4
-21.25°	40.0	42.5	44.8	46.7	48.5	50.2	52.0	53.8	55.6	57.0	58.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-22.5°	39.5	41.9	44.4	46.2	48.0	49.8	51.5	53.3	55.1	56.6	57.7
-23.75°	38.9	41.4	43.8	45.8	47.5	49.3	51.0	52.7	54.5	56.2	57.3
-25°	38.1	40.8	43.2	45.3	47.0	48.8	50.5	52.2	53.9	55.6	56.9
-26.25°	37.4	40.1	42.5	44.8	46.5	48.2	49.9	51.6	53.2	54.9	56.5
-27.5°	36.5	39.5	41.8	44.2	45.9	47.6	49.3	50.9	52.6	54.3	55.9
-28.75°	35.7	38.7	41.1	43.4	45.4	47.0	48.7	50.3	51.9	53.6	55.2
-30°	34.8	37.8	40.3	42.6	44.8	46.4	48.1	49.7	51.2	52.8	54.4
-31.25°	33.9	36.8	39.6	41.8	44.1	45.8	47.4	49.0	50.5	52.1	53.6
-32.5°	32.9	35.8	38.7	41.0	43.2	45.1	46.7	48.3	49.8	51.3	52.8
-33.75°	31.9	34.8	37.6	40.1	42.3	44.4	46.0	47.5	49.0	50.5	52.0
-35°	31.1	33.7	36.5	39.2	41.3	43.5	45.2	46.8	48.3	49.7	51.2
-36.25°	30.3	32.6	35.4	38.1	40.4	42.5	44.5	46.0	47.4	48.9	50.3
-37.5°	29.5	31.6	34.2	36.9	39.4	41.4	43.4	45.2	46.6	48.0	49.4
-38.75°	28.6	30.7	33.0	35.6	38.2	40.4	42.4	44.3	45.8	47.2	48.5
-40°	27.8	29.8	31.8	34.3	36.9	39.3	41.2	43.2	44.9	46.2	47.6
-41.25°	26.9	28.8	30.8	33.0	35.5	38.0	40.1	42.0	43.8	45.3	46.6
-42.5°	26.0	27.9	29.8	31.7	34.1	36.5	38.9	40.8	42.6	44.4	45.7
-43.75°	25.0	26.9	28.8	30.6	32.7	35.0	37.4	39.5	41.3	43.0	44.7
-45°	24.1	25.9	27.8	29.5	31.3	33.5	35.8	38.1	40.0	41.7	43.4
-46.25°	23.1	24.9	26.7	28.5	30.2	32.0	34.2	36.4	38.6	40.3	42.0
-47.5°	22.1	23.9	25.6	27.3	29.0	30.7	32.6	34.7	36.8	38.9	40.5
-48.75°	21.1	22.8	24.5	26.2	27.8	29.5	31.1	33.0	35.1	37.1	39.1
-50°	20.3	21.7	23.4	25.0	26.6	28.2	29.8	31.3	33.2	35.2	37.2
-51.25°	19.7	20.6	22.3	23.8	25.4	27.0	28.5	30.0	31.5	33.3	35.2
-52.5°	19.1	20.0	21.1	22.6	24.2	25.7	27.2	28.6	30.1	31.5	33.2
-53.75°	18.5	19.4	20.2	21.4	22.9	24.4	25.8	27.2	28.6	30.0	31.3
-55°	17.9	18.7	19.5	20.4	21.6	23.0	24.4	25.8	27.2	28.5	29.8
-56.25°	17.3	18.0	18.8	19.6	20.4	21.7	23.0	24.4	25.7	27.0	28.2
-57.5°	17.0	17.4	18.1	18.9	19.7	20.4	21.6	22.9	24.2	25.4	26.6
-58.75°	16.7	17.1	17.4	18.2	18.9	19.6	20.4	21.4	22.6	23.8	25.0
-60°	16.4	16.7	17.1	17.4	18.1	18.8	19.5	20.2	21.1	22.3	23.4
-61.25°	16.1	16.4	16.7	17.1	17.4	18.0	18.7	19.4	20.0	20.6	21.7
-62.5°	15.7	16.1	16.4	16.7	17.0	17.3	17.9	18.5	19.1	19.7	20.3
-63.75°	15.2	15.7	16.1	16.4	16.6	16.9	17.2	17.6	18.2	18.8	19.3
-65°	14.7	15.2	15.6	16.0	16.3	16.5	16.8	17.1	17.3	17.8	18.4
-66.25°	14.2	14.6	15.1	15.5	15.9	16.2	16.4	16.7	16.9	17.2	17.4
-67.5°	13.7	14.1	14.5	14.9	15.3	15.7	16.0	16.2	16.5	16.7	16.9
-68.75°	12.9	13.5	13.9	14.3	14.7	15.1	15.4	15.8	16.0	16.3	16.5
-70°	12.0	12.6	13.3	13.7	14.1	14.4	14.8	15.1	15.4	15.8	16.0
-71.25°	11.2	11.7	12.3	12.9	13.4	13.8	14.1	14.4	14.7	15.0	15.3
-72.5°	10.3	10.8	11.3	11.9	12.4	12.9	13.4	13.7	14.0	14.3	14.6
-73.75°	9.4	9.9	10.4	10.9	11.3	11.8	12.3	12.7	13.2	13.6	13.8
-75°	8.7	9.1	9.4	9.8	10.3	10.7	11.2	11.6	12.0	12.4	12.8
-76.25°	8.0	8.3	8.6	9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6
-77.5°	7.2	7.5	7.9	8.2	8.4	8.7	9.0	9.3	9.6	10.0	10.3



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-62.5°	-61.25°	-60°	-58.75°	-57.5°	-56.25°	-55°	-53.75°	-52.5°	-51.25°	-50°
-78.75°	6.5	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.6	8.9	9.1
-80°	5.8	6.0	6.3	6.5	6.8	7.0	7.2	7.4	7.7	7.9	8.1
-81.25°	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1
-82.5°	4.4	4.6	4.7	4.9	5.1	5.3	5.4	5.6	5.8	5.9	6.1
-83.75°	3.7	3.8	4.0	4.1	4.3	4.4	4.5	4.7	4.8	4.9	5.1
-85°	3.0	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.0	4.1
-86.25°	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1
-87.5°	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1
-88.75°	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8
85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.1
83.75°	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
82.5°	6.2	6.4	6.5	6.7	6.8	7.0	7.1	7.2	7.4	7.5	7.6
81.25°	7.3	7.5	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9
80°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	10.0	10.2	10.4
78.75°	9.4	9.6	9.9	10.2	10.5	10.7	11.0	11.3	11.5	11.7	12.0
77.5°	10.6	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.6
76.25°	11.9	12.3	12.6	13.0	13.3	13.6	13.8	14.0	14.2	14.3	14.5
75°	13.2	13.6	13.8	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5
73.75°	14.1	14.4	14.6	14.9	15.1	15.3	15.6	15.8	16.0	16.1	16.2
72.5°	14.9	15.2	15.4	15.7	15.9	16.1	16.2	16.4	16.5	16.7	16.8
71.25°	15.6	15.9	16.1	16.3	16.5	16.6	16.8	17.0	17.1	17.3	17.4
70°	16.2	16.4	16.6	16.8	17.0	17.2	17.3	17.6	18.0	18.4	18.7
68.75°	16.7	16.9	17.1	17.3	17.6	18.0	18.4	18.8	19.2	19.6	20.0
67.5°	17.2	17.4	17.8	18.3	18.7	19.2	19.6	20.0	20.4	21.0	21.7
66.25°	17.9	18.4	18.9	19.4	19.8	20.3	20.9	21.7	22.4	23.1	23.9
65°	18.9	19.4	20.0	20.5	21.2	22.1	22.9	23.7	24.5	25.3	26.0
63.75°	19.9	20.5	21.3	22.2	23.1	24.0	24.9	25.8	26.6	27.4	28.2
62.5°	21.1	22.1	23.1	24.1	25.0	26.0	26.9	27.8	28.6	29.5	30.3
61.25°	22.8	23.9	24.9	25.9	26.9	27.9	28.8	29.8	30.7	31.6	32.6
60°	24.5	25.6	26.7	27.8	28.8	29.8	30.8	31.8	33.0	34.2	35.4
58.75°	26.2	27.3	28.5	29.5	30.6	31.7	33.0	34.3	35.6	36.9	38.1
57.5°	27.8	29.0	30.2	31.3	32.7	34.1	35.5	36.9	38.2	39.4	40.4
56.25°	29.5	30.7	32.0	33.5	35.0	36.5	38.0	39.3	40.4	41.4	42.5
55°	31.1	32.6	34.2	35.8	37.4	38.9	40.1	41.2	42.4	43.4	44.5
53.75°	33.0	34.7	36.4	38.1	39.5	40.8	42.0	43.2	44.3	45.2	46.0
52.5°	35.1	36.8	38.6	40.0	41.3	42.6	43.8	44.9	45.8	46.6	47.4
51.25°	37.1	38.9	40.3	41.7	43.0	44.4	45.3	46.2	47.2	48.0	48.9
50°	39.1	40.5	42.0	43.4	44.7	45.7	46.6	47.6	48.5	49.4	50.3
48.75°	40.6	42.1	43.6	44.9	45.9	46.9	47.9	48.9	49.9	50.8	51.7
47.5°	42.1	43.6	45.0	46.1	47.1	48.2	49.2	50.2	51.2	52.2	53.1
46.25°	43.6	45.0	46.1	47.2	48.3	49.4	50.5	51.5	52.5	53.5	54.5
45°	44.9	46.1	47.2	48.4	49.5	50.6	51.7	52.8	53.8	54.9	55.9
43.75°	45.9	47.1	48.3	49.5	50.7	51.8	52.9	54.1	55.2	56.2	56.9
42.5°	46.9	48.2	49.4	50.6	51.8	53.0	54.2	55.3	56.4	57.1	57.7
41.25°	47.9	49.2	50.5	51.7	52.9	54.2	55.4	56.5	57.2	57.9	58.5
40°	48.9	50.2	51.5	52.8	54.1	55.3	56.5	57.2	57.9	58.6	58.9
38.75°	49.9	51.2	52.5	53.8	55.2	56.4	57.2	57.9	58.7	58.9	59.2
37.5°	50.8	52.2	53.5	54.9	56.2	57.1	57.9	58.6	58.9	59.2	59.4
36.25°	51.7	53.1	54.5	55.9	56.9	57.7	58.5	58.9	59.2	59.4	59.9
35°	52.6	54.1	55.5	56.7	57.5	58.4	58.9	59.1	59.4	59.8	60.4



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
33.75°	53.5	55.0	56.4	57.3	58.1	58.8	59.1	59.4	59.8	60.3	60.8
32.5°	54.4	55.9	56.9	57.8	58.7	59.0	59.3	59.7	60.2	60.8	61.2
31.25°	55.2	56.6	57.5	58.4	58.9	59.2	59.5	60.1	60.7	61.2	61.4
30°	56.0	57.1	58.0	58.8	59.1	59.4	59.9	60.5	61.1	61.4	61.6
28.75°	56.6	57.6	58.5	59.0	59.3	59.7	60.3	60.9	61.3	61.5	61.8
27.5°	57.1	58.0	58.8	59.1	59.5	60.0	60.7	61.2	61.5	61.7	62.2
26.25°	57.5	58.5	59.0	59.3	59.7	60.4	61.0	61.4	61.6	62.0	62.6
25°	57.9	58.8	59.1	59.5	60.1	60.7	61.2	61.5	61.8	62.4	63.1
23.75°	58.3	58.9	59.3	59.7	60.4	61.1	61.4	61.7	62.2	62.8	63.4
22.5°	58.7	59.1	59.4	60.0	60.7	61.2	61.5	61.8	62.5	63.2	63.8
21.25°	58.8	59.2	59.6	60.3	61.0	61.4	61.7	62.2	62.8	63.5	64.2
20°	59.0	59.3	59.8	60.6	61.2	61.5	61.8	62.5	63.2	63.8	64.5
18.75°	59.1	59.4	60.1	60.8	61.3	61.6	62.1	62.8	63.5	64.2	64.9
17.5°	59.2	59.6	60.3	61.0	61.4	61.7	62.3	63.0	63.8	64.5	65.4
16.25°	59.3	59.8	60.5	61.2	61.5	61.8	62.6	63.3	64.0	64.8	65.9
15°	59.4	60.0	60.7	61.3	61.6	62.1	62.8	63.5	64.3	65.0	66.5
13.75°	59.4	60.1	60.9	61.3	61.7	62.3	63.0	63.8	64.5	65.5	67.0
12.5°	59.5	60.3	61.1	61.4	61.8	62.5	63.2	64.0	64.7	66.0	67.5
11.25°	59.7	60.5	61.2	61.5	61.9	62.6	63.4	64.2	64.9	66.4	67.9
10°	59.8	60.6	61.2	61.6	62.0	62.8	63.6	64.3	65.2	66.8	68.4
8.75°	59.9	60.7	61.3	61.6	62.2	62.9	63.7	64.5	65.5	67.1	69.3
7.5°	60.0	60.8	61.3	61.7	62.3	63.1	63.8	64.6	65.8	67.4	70.1
6.25°	60.1	60.9	61.4	61.7	62.4	63.2	64.0	64.7	66.1	67.6	70.7
5°	60.2	61.0	61.4	61.7	62.5	63.2	64.0	64.8	66.3	67.8	71.2
3.75°	60.2	61.0	61.4	61.8	62.5	63.3	64.1	64.9	66.4	68.0	71.6
2.5°	60.3	61.1	61.4	61.8	62.6	63.4	64.2	65.0	66.5	68.1	71.9
1.25°	60.3	61.1	61.4	61.8	62.6	63.4	64.2	65.0	66.6	68.2	72.1
0°	60.3	61.1	61.5	61.8	62.6	63.4	64.2	65.0	66.6	68.2	72.2
-1.25°	60.3	61.1	61.4	61.8	62.6	63.4	64.2	65.0	66.6	68.2	72.1
-2.5°	60.3	61.1	61.4	61.8	62.6	63.4	64.2	65.0	66.5	68.1	71.9
-3.75°	60.2	61.0	61.4	61.8	62.5	63.3	64.1	64.9	66.4	68.0	71.6
-5°	60.2	61.0	61.4	61.7	62.5	63.2	64.0	64.8	66.3	67.8	71.2
-6.25°	60.1	60.9	61.4	61.7	62.4	63.2	64.0	64.7	66.1	67.6	70.7
-7.5°	60.0	60.8	61.3	61.7	62.3	63.1	63.8	64.6	65.8	67.4	70.1
-8.75°	59.9	60.7	61.3	61.6	62.2	62.9	63.7	64.5	65.5	67.1	69.3
-10°	59.8	60.6	61.2	61.6	62.0	62.8	63.6	64.3	65.2	66.8	68.4
-11.25°	59.7	60.5	61.2	61.5	61.9	62.6	63.4	64.2	64.9	66.4	67.9
-12.5°	59.5	60.3	61.1	61.4	61.8	62.5	63.2	64.0	64.7	66.0	67.5
-13.75°	59.4	60.1	60.9	61.3	61.7	62.3	63.0	63.8	64.5	65.5	67.0
-15°	59.4	60.0	60.7	61.3	61.6	62.1	62.8	63.5	64.3	65.0	66.5
-16.25°	59.3	59.8	60.5	61.2	61.5	61.8	62.6	63.3	64.0	64.8	65.9
-17.5°	59.2	59.6	60.3	61.0	61.4	61.7	62.3	63.0	63.8	64.5	65.4
-18.75°	59.1	59.4	60.1	60.8	61.3	61.6	62.1	62.8	63.5	64.2	64.9
-20°	59.0	59.3	59.8	60.6	61.2	61.5	61.8	62.5	63.2	63.8	64.5
-21.25°	58.8	59.2	59.6	60.3	61.0	61.4	61.7	62.2	62.8	63.5	64.2



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-22.5°	58.7	59.1	59.4	60.0	60.7	61.2	61.5	61.8	62.5	63.2	63.8
-23.75°	58.3	58.9	59.3	59.7	60.4	61.1	61.4	61.7	62.2	62.8	63.4
-25°	57.9	58.8	59.1	59.5	60.1	60.7	61.2	61.5	61.8	62.4	63.1
-26.25°	57.5	58.5	59.0	59.3	59.7	60.4	61.0	61.4	61.6	62.0	62.6
-27.5°	57.1	58.0	58.8	59.1	59.5	60.0	60.7	61.2	61.5	61.7	62.2
-28.75°	56.6	57.6	58.5	59.0	59.3	59.7	60.3	60.9	61.3	61.5	61.8
-30°	56.0	57.1	58.0	58.8	59.1	59.4	59.9	60.5	61.1	61.4	61.6
-31.25°	55.2	56.6	57.5	58.4	58.9	59.2	59.5	60.1	60.7	61.2	61.4
-32.5°	54.4	55.9	56.9	57.8	58.7	59.0	59.3	59.7	60.2	60.8	61.2
-33.75°	53.5	55.0	56.4	57.3	58.1	58.8	59.1	59.4	59.8	60.3	60.8
-35°	52.6	54.1	55.5	56.7	57.5	58.4	58.9	59.1	59.4	59.8	60.4
-36.25°	51.7	53.1	54.5	55.9	56.9	57.7	58.5	58.9	59.2	59.4	59.9
-37.5°	50.8	52.2	53.5	54.9	56.2	57.1	57.9	58.6	58.9	59.2	59.4
-38.75°	49.9	51.2	52.5	53.8	55.2	56.4	57.2	57.9	58.7	58.9	59.2
-40°	48.9	50.2	51.5	52.8	54.1	55.3	56.5	57.2	57.9	58.6	58.9
-41.25°	47.9	49.2	50.5	51.7	52.9	54.2	55.4	56.5	57.2	57.9	58.5
-42.5°	46.9	48.2	49.4	50.6	51.8	53.0	54.2	55.3	56.4	57.1	57.7
-43.75°	45.9	47.1	48.3	49.5	50.7	51.8	52.9	54.1	55.2	56.2	56.9
-45°	44.9	46.1	47.2	48.4	49.5	50.6	51.7	52.8	53.8	54.9	55.9
-46.25°	43.6	45.0	46.1	47.2	48.3	49.4	50.5	51.5	52.5	53.5	54.5
-47.5°	42.1	43.6	45.0	46.1	47.1	48.2	49.2	50.2	51.2	52.2	53.1
-48.75°	40.6	42.1	43.6	44.9	45.9	46.9	47.9	48.9	49.9	50.8	51.7
-50°	39.1	40.5	42.0	43.4	44.7	45.7	46.6	47.6	48.5	49.4	50.3
-51.25°	37.1	38.9	40.3	41.7	43.0	44.4	45.3	46.2	47.2	48.0	48.9
-52.5°	35.1	36.8	38.6	40.0	41.3	42.6	43.8	44.9	45.8	46.6	47.4
-53.75°	33.0	34.7	36.4	38.1	39.5	40.8	42.0	43.2	44.3	45.2	46.0
-55°	31.1	32.6	34.2	35.8	37.4	38.9	40.1	41.2	42.4	43.4	44.5
-56.25°	29.5	30.7	32.0	33.5	35.0	36.5	38.0	39.3	40.4	41.4	42.5
-57.5°	27.8	29.0	30.2	31.3	32.7	34.1	35.5	36.9	38.2	39.4	40.4
-58.75°	26.2	27.3	28.5	29.5	30.6	31.7	33.0	34.3	35.6	36.9	38.1
-60°	24.5	25.6	26.7	27.8	28.8	29.8	30.8	31.8	33.0	34.2	35.4
-61.25°	22.8	23.9	24.9	25.9	26.9	27.9	28.8	29.8	30.7	31.6	32.6
-62.5°	21.1	22.1	23.1	24.1	25.0	26.0	26.9	27.8	28.6	29.5	30.3
-63.75°	19.9	20.5	21.3	22.2	23.1	24.0	24.9	25.8	26.6	27.4	28.2
-65°	18.9	19.4	20.0	20.5	21.2	22.1	22.9	23.7	24.5	25.3	26.0
-66.25°	17.9	18.4	18.9	19.4	19.8	20.3	20.9	21.7	22.4	23.1	23.9
-67.5°	17.2	17.4	17.8	18.3	18.7	19.2	19.6	20.0	20.4	21.0	21.7
-68.75°	16.7	16.9	17.1	17.3	17.6	18.0	18.4	18.8	19.2	19.6	20.0
-70°	16.2	16.4	16.6	16.8	17.0	17.2	17.3	17.6	18.0	18.4	18.7
-71.25°	15.6	15.9	16.1	16.3	16.5	16.6	16.8	17.0	17.1	17.3	17.4
-72.5°	14.9	15.2	15.4	15.7	15.9	16.1	16.2	16.4	16.5	16.7	16.8
-73.75°	14.1	14.4	14.6	14.9	15.1	15.3	15.6	15.8	16.0	16.1	16.2
-75°	13.2	13.6	13.8	14.0	14.2	14.5	14.7	14.9	15.1	15.3	15.5
-76.25°	11.9	12.3	12.6	13.0	13.3	13.6	13.8	14.0	14.2	14.3	14.5
-77.5°	10.6	11.0	11.3	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.6



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-48.75°	-47.5°	-46.25°	-45°	-43.75°	-42.5°	-41.25°	-40°	-38.75°	-37.5°	-36.25°
-78.75°	9.4	9.6	9.9	10.2	10.5	10.7	11.0	11.3	11.5	11.7	12.0
-80°	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	10.0	10.2	10.4
-81.25°	7.3	7.5	7.6	7.8	8.0	8.1	8.3	8.5	8.6	8.8	8.9
-82.5°	6.2	6.4	6.5	6.7	6.8	7.0	7.1	7.2	7.4	7.5	7.6
-83.75°	5.2	5.3	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3
-85°	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.1
-86.25°	3.2	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8
-87.5°	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6
-88.75°	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
86.25°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
85°	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8
83.75°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3
82.5°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
81.25°	9.1	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.2	10.3	10.4
80°	10.6	10.8	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.3
78.75°	12.2	12.4	12.7	12.9	13.1	13.3	13.4	13.6	13.7	13.8	13.9
77.5°	13.7	13.9	14.0	14.1	14.3	14.4	14.5	14.6	14.8	14.9	15.0
76.25°	14.7	14.8	15.0	15.2	15.3	15.4	15.6	15.7	15.8	15.9	16.0
75°	15.7	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.5	16.6	16.7
73.75°	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4
72.5°	17.0	17.1	17.2	17.3	17.5	17.8	18.0	18.2	18.4	18.6	18.8
71.25°	17.7	18.0	18.3	18.6	18.9	19.2	19.4	19.6	19.9	20.1	20.3
70°	19.0	19.3	19.7	20.0	20.3	20.5	21.0	21.4	21.8	22.3	22.7
68.75°	20.3	20.7	21.3	21.8	22.4	22.9	23.4	23.9	24.4	24.8	25.2
67.5°	22.3	23.0	23.6	24.2	24.8	25.3	25.8	26.4	26.8	27.3	27.8
66.25°	24.5	25.2	25.9	26.5	27.1	27.7	28.2	28.8	29.3	29.8	30.3
65°	26.8	27.5	28.1	28.8	29.4	30.0	30.6	31.2	31.8	32.4	33.1
63.75°	28.9	29.7	30.4	31.1	31.8	32.6	33.4	34.2	35.0	35.7	36.4
62.5°	31.1	31.9	32.9	33.9	34.8	35.7	36.5	37.4	38.1	38.9	39.5
61.25°	33.7	34.8	35.8	36.8	37.8	38.7	39.5	40.1	40.8	41.4	41.9
60°	36.5	37.6	38.7	39.6	40.3	41.1	41.8	42.5	43.2	43.8	44.4
58.75°	39.2	40.1	41.0	41.8	42.6	43.4	44.2	44.8	45.3	45.8	46.2
57.5°	41.3	42.3	43.2	44.1	44.8	45.4	45.9	46.5	47.0	47.5	48.0
56.25°	43.5	44.4	45.1	45.8	46.4	47.0	47.6	48.2	48.8	49.3	49.8
55°	45.2	46.0	46.7	47.4	48.1	48.7	49.3	49.9	50.5	51.0	51.5
53.75°	46.8	47.5	48.3	49.0	49.7	50.3	50.9	51.6	52.2	52.7	53.3
52.5°	48.3	49.0	49.8	50.5	51.2	51.9	52.6	53.2	53.9	54.5	55.1
51.25°	49.7	50.5	51.3	52.1	52.8	53.6	54.3	54.9	55.6	56.2	56.6
50°	51.2	52.0	52.8	53.6	54.4	55.2	55.9	56.5	56.9	57.3	57.7
48.75°	52.6	53.5	54.4	55.2	56.0	56.6	57.1	57.5	57.9	58.3	58.7
47.5°	54.1	55.0	55.9	56.6	57.1	57.6	58.0	58.5	58.8	58.9	59.1
46.25°	55.5	56.4	56.9	57.5	58.0	58.5	58.8	59.0	59.1	59.3	59.4
45°	56.7	57.3	57.8	58.4	58.8	59.0	59.1	59.3	59.5	59.7	60.0
43.75°	57.5	58.1	58.7	58.9	59.1	59.3	59.5	59.7	60.1	60.4	60.7
42.5°	58.4	58.8	59.0	59.2	59.4	59.7	60.0	60.4	60.7	61.1	61.2
41.25°	58.9	59.1	59.3	59.5	59.9	60.3	60.7	61.0	61.2	61.4	61.5
40°	59.1	59.4	59.7	60.1	60.5	60.9	61.2	61.4	61.5	61.7	61.8
38.75°	59.4	59.8	60.2	60.7	61.1	61.3	61.5	61.6	61.8	62.2	62.5
37.5°	59.8	60.3	60.8	61.2	61.4	61.5	61.7	62.0	62.4	62.8	63.2
36.25°	60.4	60.8	61.2	61.4	61.6	61.8	62.2	62.6	63.1	63.4	63.8
35°	60.9	61.2	61.4	61.6	61.9	62.4	62.8	63.3	63.7	64.1	64.5



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
33.75°	61.2	61.4	61.7	62.0	62.5	63.0	63.4	63.9	64.3	64.7	65.2
32.5°	61.4	61.7	62.0	62.5	63.0	63.5	64.0	64.5	64.9	65.7	66.5
31.25°	61.6	62.0	62.5	63.1	63.6	64.1	64.6	65.1	66.0	66.9	67.8
30°	61.9	62.5	63.0	63.6	64.1	64.6	65.2	66.2	67.2	68.1	70.2
28.75°	62.4	63.0	63.5	64.1	64.6	65.3	66.3	67.4	68.6	70.9	73.2
27.5°	62.8	63.4	64.0	64.6	65.2	66.3	67.4	68.9	71.4	73.8	76.4
26.25°	63.3	63.9	64.5	65.1	66.2	67.4	68.9	71.5	74.1	77.7	84.9
25°	63.7	64.3	64.9	66.0	67.2	68.6	71.4	74.1	78.2	85.8	93.2
23.75°	64.1	64.7	65.7	66.9	68.1	70.9	73.8	77.7	85.8	93.7	101.5
22.5°	64.5	65.2	66.5	67.8	70.2	73.2	76.4	84.9	93.2	101.5	109.9
21.25°	64.9	66.0	67.3	69.2	72.4	75.5	83.1	91.8	100.5	109.4	118.2
20°	65.4	66.8	68.1	71.2	74.4	80.4	89.5	98.5	107.9	117.1	126.8
18.75°	66.1	67.5	69.8	73.1	76.9	86.4	95.7	105.3	115.0	124.7	137.3
17.5°	66.8	68.2	71.5	74.9	82.4	92.1	101.8	111.9	121.8	133.9	161.7
16.25°	67.4	69.7	73.1	77.6	87.6	97.4	107.8	118.1	129.7	152.4	203.8
15°	67.9	71.1	74.7	82.2	92.4	102.8	113.4	124.1	139.5	179.1	256.4
13.75°	68.9	72.5	76.2	86.6	97.0	107.8	118.7	131.3	158.6	222.4	318.0
12.5°	70.1	73.8	80.0	90.6	101.3	112.5	123.7	140.2	185.1	271.2	382.6
11.25°	71.2	75.0	83.6	94.3	105.4	116.8	129.5	155.9	220.8	322.0	445.2
10°	72.2	76.0	86.8	97.7	109.2	120.8	134.8	171.5	258.1	374.1	504.4
8.75°	73.1	78.5	89.6	100.8	112.5	124.4	144.4	199.2	297.6	422.9	557.6
7.5°	73.9	80.9	92.1	103.5	115.5	128.4	155.0	223.5	332.4	466.6	605.5
6.25°	74.6	82.9	94.2	105.9	117.9	131.8	164.1	246.0	366.9	504.8	646.8
5°	75.1	84.6	96.0	107.9	120.0	134.6	174.8	269.4	395.8	536.5	681.0
3.75°	75.5	85.9	97.3	109.4	121.6	137.3	187.6	287.7	418.5	561.3	706.2
2.5°	75.9	86.8	98.3	110.5	122.8	141.3	196.8	300.8	434.9	579.5	724.1
1.25°	76.0	87.4	98.9	111.2	123.5	143.7	202.4	308.8	444.7	590.6	735.0
0°	76.1	87.6	99.1	111.4	123.7	144.5	204.2	311.4	448.0	594.3	738.6
-1.25°	76.0	87.4	98.9	111.2	123.5	143.7	202.4	308.8	444.7	590.6	735.0
-2.5°	75.9	86.8	98.3	110.5	122.8	141.3	196.8	300.8	434.9	579.5	724.1
-3.75°	75.5	85.9	97.3	109.4	121.6	137.3	187.6	287.7	418.5	561.3	706.2
-5°	75.1	84.6	96.0	107.9	120.0	134.6	174.8	269.4	395.8	536.5	681.0
-6.25°	74.6	82.9	94.2	105.9	117.9	131.8	164.1	246.0	366.9	504.8	646.8
-7.5°	73.9	80.9	92.1	103.5	115.5	128.4	155.0	223.5	332.4	466.6	605.5
-8.75°	73.1	78.5	89.6	100.8	112.5	124.4	144.4	199.2	297.6	422.9	557.6
-10°	72.2	76.0	86.8	97.7	109.2	120.8	134.8	171.5	258.1	374.1	504.4
-11.25°	71.2	75.0	83.6	94.3	105.4	116.8	129.5	155.9	220.8	322.0	445.2
-12.5°	70.1	73.8	80.0	90.6	101.3	112.5	123.7	140.2	185.1	271.2	382.6
-13.75°	68.9	72.5	76.2	86.6	97.0	107.8	118.7	131.3	158.6	222.4	318.0
-15°	67.9	71.1	74.7	82.2	92.4	102.8	113.4	124.1	139.5	179.1	256.4
-16.25°	67.4	69.7	73.1	77.6	87.6	97.4	107.8	118.1	129.7	152.4	203.8
-17.5°	66.8	68.2	71.5	74.9	82.4	92.1	101.8	111.9	121.8	133.9	161.7
-18.75°	66.1	67.5	69.8	73.1	76.9	86.4	95.7	105.3	115.0	124.7	137.3
-20°	65.4	66.8	68.1	71.2	74.4	80.4	89.5	98.5	107.9	117.1	126.8
-21.25°	64.9	66.0	67.3	69.2	72.4	75.5	83.1	91.8	100.5	109.4	118.2



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-22.5°	64.5	65.2	66.5	67.8	70.2	73.2	76.4	84.9	93.2	101.5	109.9
-23.75°	64.1	64.7	65.7	66.9	68.1	70.9	73.8	77.7	85.8	93.7	101.5
-25°	63.7	64.3	64.9	66.0	67.2	68.6	71.4	74.1	78.2	85.8	93.2
-26.25°	63.3	63.9	64.5	65.1	66.2	67.4	68.9	71.5	74.1	77.7	84.9
-27.5°	62.8	63.4	64.0	64.6	65.2	66.3	67.4	68.9	71.4	73.8	76.4
-28.75°	62.4	63.0	63.5	64.1	64.6	65.3	66.3	67.4	68.6	70.9	73.2
-30°	61.9	62.5	63.0	63.6	64.1	64.6	65.2	66.2	67.2	68.1	70.2
-31.25°	61.6	62.0	62.5	63.1	63.6	64.1	64.6	65.1	66.0	66.9	67.8
-32.5°	61.4	61.7	62.0	62.5	63.0	63.5	64.0	64.5	64.9	65.7	66.5
-33.75°	61.2	61.4	61.7	62.0	62.5	63.0	63.4	63.9	64.3	64.7	65.2
-35°	60.9	61.2	61.4	61.6	61.9	62.4	62.8	63.3	63.7	64.1	64.5
-36.25°	60.4	60.8	61.2	61.4	61.6	61.8	62.2	62.6	63.1	63.4	63.8
-37.5°	59.8	60.3	60.8	61.2	61.4	61.5	61.7	62.0	62.4	62.8	63.2
-38.75°	59.4	59.8	60.2	60.7	61.1	61.3	61.5	61.6	61.8	62.2	62.5
-40°	59.1	59.4	59.7	60.1	60.5	60.9	61.2	61.4	61.5	61.7	61.8
-41.25°	58.9	59.1	59.3	59.5	59.9	60.3	60.7	61.0	61.2	61.4	61.5
-42.5°	58.4	58.8	59.0	59.2	59.4	59.7	60.0	60.4	60.7	61.1	61.2
-43.75°	57.5	58.1	58.7	58.9	59.1	59.3	59.5	59.7	60.1	60.4	60.7
-45°	56.7	57.3	57.8	58.4	58.8	59.0	59.1	59.3	59.5	59.7	60.0
-46.25°	55.5	56.4	56.9	57.5	58.0	58.5	58.8	59.0	59.1	59.3	59.4
-47.5°	54.1	55.0	55.9	56.6	57.1	57.6	58.0	58.5	58.8	58.9	59.1
-48.75°	52.6	53.5	54.4	55.2	56.0	56.6	57.1	57.5	57.9	58.3	58.7
-50°	51.2	52.0	52.8	53.6	54.4	55.2	55.9	56.5	56.9	57.3	57.7
-51.25°	49.7	50.5	51.3	52.1	52.8	53.6	54.3	54.9	55.6	56.2	56.6
-52.5°	48.3	49.0	49.8	50.5	51.2	51.9	52.6	53.2	53.9	54.5	55.1
-53.75°	46.8	47.5	48.3	49.0	49.7	50.3	50.9	51.6	52.2	52.7	53.3
-55°	45.2	46.0	46.7	47.4	48.1	48.7	49.3	49.9	50.5	51.0	51.5
-56.25°	43.5	44.4	45.1	45.8	46.4	47.0	47.6	48.2	48.8	49.3	49.8
-57.5°	41.3	42.3	43.2	44.1	44.8	45.4	45.9	46.5	47.0	47.5	48.0
-58.75°	39.2	40.1	41.0	41.8	42.6	43.4	44.2	44.8	45.3	45.8	46.2
-60°	36.5	37.6	38.7	39.6	40.3	41.1	41.8	42.5	43.2	43.8	44.4
-61.25°	33.7	34.8	35.8	36.8	37.8	38.7	39.5	40.1	40.8	41.4	41.9
-62.5°	31.1	31.9	32.9	33.9	34.8	35.7	36.5	37.4	38.1	38.9	39.5
-63.75°	28.9	29.7	30.4	31.1	31.8	32.6	33.4	34.2	35.0	35.7	36.4
-65°	26.8	27.5	28.1	28.8	29.4	30.0	30.6	31.2	31.8	32.4	33.1
-66.25°	24.5	25.2	25.9	26.5	27.1	27.7	28.2	28.8	29.3	29.8	30.3
-67.5°	22.3	23.0	23.6	24.2	24.8	25.3	25.8	26.4	26.8	27.3	27.8
-68.75°	20.3	20.7	21.3	21.8	22.4	22.9	23.4	23.9	24.4	24.8	25.2
-70°	19.0	19.3	19.7	20.0	20.3	20.5	21.0	21.4	21.8	22.3	22.7
-71.25°	17.7	18.0	18.3	18.6	18.9	19.2	19.4	19.6	19.9	20.1	20.3
-72.5°	17.0	17.1	17.2	17.3	17.5	17.8	18.0	18.2	18.4	18.6	18.8
-73.75°	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4
-75°	15.7	15.8	16.0	16.1	16.2	16.3	16.4	16.5	16.5	16.6	16.7
-76.25°	14.7	14.8	15.0	15.2	15.3	15.4	15.6	15.7	15.8	15.9	16.0
-77.5°	13.7	13.9	14.0	14.1	14.3	14.4	14.5	14.6	14.8	14.9	15.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-35°	-33.75°	-32.5°	-31.25°	-30°	-28.75°	-27.5°	-26.25°	-25°	-23.75°	-22.5°
-78.75°	12.2	12.4	12.7	12.9	13.1	13.3	13.4	13.6	13.7	13.8	13.9
-80°	10.6	10.8	11.0	11.2	11.3	11.5	11.7	11.8	12.0	12.1	12.3
-81.25°	9.1	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.2	10.3	10.4
-82.5°	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8
-83.75°	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.1	7.2	7.3
-85°	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.7	5.7	5.8	5.8
-86.25°	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.3	4.3	4.4	4.4
-87.5°	2.6	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	3.0
-88.75°	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
-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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
86.25°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7
85°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2
83.75°	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8
82.5°	8.8	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
81.25°	10.5	10.6	10.8	10.8	10.9	11.0	11.1	11.2	11.2	11.3	11.3
80°	12.4	12.5	12.6	12.8	12.9	12.9	13.0	13.1	13.2	13.3	13.3
78.75°	14.0	14.0	14.1	14.2	14.3	14.3	14.4	14.4	14.5	14.5	14.6
77.5°	15.1	15.2	15.3	15.3	15.4	15.5	15.6	15.6	15.7	15.7	15.8
76.25°	16.1	16.1	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.6
75°	16.8	16.8	16.9	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3
73.75°	17.6	17.7	17.9	18.0	18.1	18.3	18.4	18.5	18.6	18.7	18.8
72.5°	19.0	19.2	19.4	19.5	19.7	19.8	19.9	20.1	20.2	20.2	20.3
71.25°	20.5	20.8	21.1	21.4	21.7	21.9	22.2	22.4	22.6	22.7	22.9
70°	23.0	23.4	23.7	24.0	24.3	24.6	24.9	25.1	25.3	25.5	25.7
68.75°	25.6	26.0	26.4	26.7	27.0	27.3	27.5	27.8	28.0	28.2	28.4
67.5°	28.2	28.6	28.9	29.3	29.6	29.9	30.2	30.5	30.7	30.9	31.1
66.25°	30.7	31.1	31.5	32.0	32.4	32.8	33.2	33.6	33.9	34.2	34.5
65°	33.7	34.3	34.8	35.4	35.8	36.3	36.7	37.1	37.4	37.7	38.0
63.75°	37.0	37.6	38.2	38.8	39.2	39.5	39.9	40.2	40.5	40.7	40.9
62.5°	40.0	40.5	40.9	41.4	41.8	42.2	42.5	42.8	43.1	43.4	43.6
61.25°	42.5	43.0	43.5	44.0	44.4	44.7	45.0	45.2	45.4	45.6	45.8
60°	44.8	45.2	45.6	46.0	46.3	46.6	46.9	47.2	47.4	47.6	47.8
58.75°	46.7	47.1	47.5	47.8	48.2	48.5	48.8	49.1	49.3	49.5	49.7
57.5°	48.5	48.9	49.3	49.7	50.0	50.4	50.7	51.0	51.2	51.4	51.6
56.25°	50.2	50.7	51.1	51.5	51.9	52.2	52.6	52.9	53.1	53.4	53.6
55°	52.0	52.5	52.9	53.4	53.8	54.1	54.5	54.8	55.1	55.3	55.6
53.75°	53.8	54.3	54.8	55.2	55.6	56.0	56.4	56.5	56.7	56.9	57.0
52.5°	55.6	56.1	56.5	56.8	57.0	57.3	57.5	57.7	57.9	58.1	58.2
51.25°	57.0	57.3	57.6	57.9	58.2	58.4	58.6	58.8	58.8	58.9	58.9
50°	58.0	58.4	58.7	58.8	58.9	59.0	59.1	59.1	59.2	59.3	59.3
48.75°	58.8	59.0	59.1	59.2	59.3	59.4	59.4	59.5	59.7	59.8	59.9
47.5°	59.2	59.3	59.4	59.6	59.8	60.0	60.1	60.3	60.5	60.6	60.7
46.25°	59.6	59.8	60.1	60.3	60.5	60.7	60.9	61.1	61.2	61.2	61.3
45°	60.3	60.6	60.8	61.0	61.2	61.3	61.3	61.4	61.5	61.6	61.6
43.75°	61.0	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.2
42.5°	61.4	61.5	61.6	61.7	61.8	62.1	62.3	62.5	62.6	62.8	62.9
41.25°	61.7	61.8	62.1	62.3	62.6	62.8	63.0	63.2	63.4	63.6	63.7
40°	62.2	62.5	62.8	63.0	63.3	63.5	63.8	64.0	64.2	64.3	64.5
38.75°	62.8	63.2	63.5	63.8	64.0	64.3	64.5	64.7	64.9	65.2	65.5
37.5°	63.5	63.8	64.2	64.5	64.8	65.0	65.5	66.0	66.4	66.8	67.1
36.25°	64.2	64.5	64.9	65.4	65.9	66.5	67.0	67.5	67.9	68.4	69.3
35°	64.9	65.4	66.1	66.8	67.4	67.9	68.9	70.1	71.2	72.2	73.1



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
33.75°	66.0	66.8	67.5	68.2	69.7	71.1	72.5	73.8	75.0	76.0	78.5
32.5°	67.3	68.1	69.8	71.5	73.1	74.7	76.2	80.0	83.6	86.8	89.6
31.25°	69.2	71.2	73.1	74.9	77.6	82.2	86.6	90.6	94.3	97.7	100.8
30°	72.4	74.4	76.9	82.4	87.6	92.4	97.0	101.3	105.4	109.2	112.5
28.75°	75.5	80.4	86.4	92.1	97.4	102.8	107.8	112.5	116.8	120.8	124.4
27.5°	83.1	89.5	95.7	101.8	107.8	113.4	118.7	123.7	129.5	134.8	144.4
26.25°	91.8	98.5	105.3	111.9	118.1	124.1	131.3	140.2	155.9	171.5	199.2
25°	100.5	107.9	115.0	121.8	129.7	139.5	158.6	185.1	220.8	258.1	297.6
23.75°	109.4	117.1	124.7	133.9	152.4	179.1	222.4	271.2	322.0	374.1	422.9
22.5°	118.2	126.8	137.3	161.7	203.8	256.4	318.0	382.6	445.2	504.4	557.6
21.25°	127.5	140.9	167.3	220.6	285.5	356.9	432.6	505.5	573.8	637.5	694.1
20°	140.9	169.5	229.0	303.1	385.2	469.6	551.7	630.1	701.9	764.1	816.9
18.75°	167.3	229.0	309.0	399.5	492.4	583.3	671.1	748.6	816.6	873.8	921.2
17.5°	220.6	303.1	399.5	500.1	599.4	695.1	780.3	852.1	914.1	967.2	1023.2
16.25°	285.5	385.2	492.4	599.4	702.8	795.9	873.7	940.2	1005.9	1072.7	1154.0
15°	356.9	469.6	583.3	695.1	795.9	880.9	953.4	1030.3	1117.5	1213.8	1325.5
13.75°	432.6	551.7	671.1	780.3	873.7	953.4	1038.5	1140.4	1259.8	1391.3	1537.3
12.5°	505.5	630.1	748.6	852.1	940.2	1030.3	1140.4	1275.2	1431.0	1601.5	1793.3
11.25°	573.8	701.9	816.6	914.1	1005.9	1117.5	1259.8	1431.0	1627.3	1847.5	2073.8
10°	637.5	764.1	873.8	967.2	1072.7	1213.8	1391.3	1601.5	1847.5	2105.7	2367.8
8.75°	694.1	816.9	921.2	1023.2	1154.0	1325.5	1537.3	1793.3	2073.8	2367.8	2658.7
7.5°	741.2	860.3	961.6	1074.5	1232.6	1436.2	1687.1	1979.6	2294.2	2617.7	2943.4
6.25°	781.7	896.7	1000.8	1133.9	1314.3	1543.7	1829.4	2150.7	2497.0	2849.8	3210.5
5°	812.5	924.0	1035.4	1183.6	1383.5	1644.2	1960.2	2308.5	2675.6	3060.0	3446.5
3.75°	835.6	945.6	1062.8	1227.4	1450.2	1732.8	2066.6	2435.4	2823.7	3233.5	3638.6
2.5°	852.2	961.1	1085.7	1264.0	1498.6	1797.4	2145.1	2531.4	2938.0	3363.3	3782.6
1.25°	862.3	970.6	1101.7	1286.2	1528.0	1836.6	2196.8	2590.4	3008.2	3443.4	3871.7
0°	865.6	973.7	1107.1	1293.7	1537.9	1849.8	2214.2	2610.3	3031.9	3470.5	3901.9
-1.25°	862.3	970.6	1101.7	1286.2	1528.0	1836.6	2196.8	2590.4	3008.2	3443.4	3871.7
-2.5°	852.2	961.1	1085.7	1264.0	1498.6	1797.4	2145.1	2531.4	2938.0	3363.3	3782.6
-3.75°	835.6	945.6	1062.8	1227.4	1450.2	1732.8	2066.6	2435.4	2823.7	3233.5	3638.6
-5°	812.5	924.0	1035.4	1183.6	1383.5	1644.2	1960.2	2308.5	2675.6	3060.0	3446.5
-6.25°	781.7	896.7	1000.8	1133.9	1314.3	1543.7	1829.4	2150.7	2497.0	2849.8	3210.5
-7.5°	741.2	860.3	961.6	1074.5	1232.6	1436.2	1687.1	1979.6	2294.2	2617.7	2943.4
-8.75°	694.1	816.9	921.2	1023.2	1154.0	1325.5	1537.3	1793.3	2073.8	2367.8	2658.7
-10°	637.5	764.1	873.8	967.2	1072.7	1213.8	1391.3	1601.5	1847.5	2105.7	2367.8
-11.25°	573.8	701.9	816.6	914.1	1005.9	1117.5	1259.8	1431.0	1627.3	1847.5	2073.8
-12.5°	505.5	630.1	748.6	852.1	940.2	1030.3	1140.4	1275.2	1431.0	1601.5	1793.3
-13.75°	432.6	551.7	671.1	780.3	873.7	953.4	1038.5	1140.4	1259.8	1391.3	1537.3
-15°	356.9	469.6	583.3	695.1	795.9	880.9	953.4	1030.3	1117.5	1213.8	1325.5
-16.25°	285.5	385.2	492.4	599.4	702.8	795.9	873.7	940.2	1005.9	1072.7	1154.0
-17.5°	220.6	303.1	399.5	500.1	599.4	695.1	780.3	852.1	914.1	967.2	1023.2
-18.75°	167.3	229.0	309.0	399.5	492.4	583.3	671.1	748.6	816.6	873.8	921.2
-20°	140.9	169.5	229.0	303.1	385.2	469.6	551.7	630.1	701.9	764.1	816.9
-21.25°	127.5	140.9	167.3	220.6	285.5	356.9	432.6	505.5	573.8	637.5	694.1



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-22.5°	118.2	126.8	137.3	161.7	203.8	256.4	318.0	382.6	445.2	504.4	557.6
-23.75°	109.4	117.1	124.7	133.9	152.4	179.1	222.4	271.2	322.0	374.1	422.9
-25°	100.5	107.9	115.0	121.8	129.7	139.5	158.6	185.1	220.8	258.1	297.6
-26.25°	91.8	98.5	105.3	111.9	118.1	124.1	131.3	140.2	155.9	171.5	199.2
-27.5°	83.1	89.5	95.7	101.8	107.8	113.4	118.7	123.7	129.5	134.8	144.4
-28.75°	75.5	80.4	86.4	92.1	97.4	102.8	107.8	112.5	116.8	120.8	124.4
-30°	72.4	74.4	76.9	82.4	87.6	92.4	97.0	101.3	105.4	109.2	112.5
-31.25°	69.2	71.2	73.1	74.9	77.6	82.2	86.6	90.6	94.3	97.7	100.8
-32.5°	67.3	68.1	69.8	71.5	73.1	74.7	76.2	80.0	83.6	86.8	89.6
-33.75°	66.0	66.8	67.5	68.2	69.7	71.1	72.5	73.8	75.0	76.0	78.5
-35°	64.9	65.4	66.1	66.8	67.4	67.9	68.9	70.1	71.2	72.2	73.1
-36.25°	64.2	64.5	64.9	65.4	65.9	66.5	67.0	67.5	67.9	68.4	69.3
-37.5°	63.5	63.8	64.2	64.5	64.8	65.0	65.5	66.0	66.4	66.8	67.1
-38.75°	62.8	63.2	63.5	63.8	64.0	64.3	64.5	64.7	64.9	65.2	65.5
-40°	62.2	62.5	62.8	63.0	63.3	63.5	63.8	64.0	64.2	64.3	64.5
-41.25°	61.7	61.8	62.1	62.3	62.6	62.8	63.0	63.2	63.4	63.6	63.7
-42.5°	61.4	61.5	61.6	61.7	61.8	62.1	62.3	62.5	62.6	62.8	62.9
-43.75°	61.0	61.2	61.3	61.4	61.5	61.6	61.7	61.8	61.9	62.0	62.2
-45°	60.3	60.6	60.8	61.0	61.2	61.3	61.3	61.4	61.5	61.6	61.6
-46.25°	59.6	59.8	60.1	60.3	60.5	60.7	60.9	61.1	61.2	61.2	61.3
-47.5°	59.2	59.3	59.4	59.6	59.8	60.0	60.1	60.3	60.5	60.6	60.7
-48.75°	58.8	59.0	59.1	59.2	59.3	59.4	59.4	59.5	59.7	59.8	59.9
-50°	58.0	58.4	58.7	58.8	58.9	59.0	59.1	59.1	59.2	59.3	59.3
-51.25°	57.0	57.3	57.6	57.9	58.2	58.4	58.6	58.8	58.8	58.9	58.9
-52.5°	55.6	56.1	56.5	56.8	57.0	57.3	57.5	57.7	57.9	58.1	58.2
-53.75°	53.8	54.3	54.8	55.2	55.6	56.0	56.4	56.5	56.7	56.9	57.0
-55°	52.0	52.5	52.9	53.4	53.8	54.1	54.5	54.8	55.1	55.3	55.6
-56.25°	50.2	50.7	51.1	51.5	51.9	52.2	52.6	52.9	53.1	53.4	53.6
-57.5°	48.5	48.9	49.3	49.7	50.0	50.4	50.7	51.0	51.2	51.4	51.6
-58.75°	46.7	47.1	47.5	47.8	48.2	48.5	48.8	49.1	49.3	49.5	49.7
-60°	44.8	45.2	45.6	46.0	46.3	46.6	46.9	47.2	47.4	47.6	47.8
-61.25°	42.5	43.0	43.5	44.0	44.4	44.7	45.0	45.2	45.4	45.6	45.8
-62.5°	40.0	40.5	40.9	41.4	41.8	42.2	42.5	42.8	43.1	43.4	43.6
-63.75°	37.0	37.6	38.2	38.8	39.2	39.5	39.9	40.2	40.5	40.7	40.9
-65°	33.7	34.3	34.8	35.4	35.8	36.3	36.7	37.1	37.4	37.7	38.0
-66.25°	30.7	31.1	31.5	32.0	32.4	32.8	33.2	33.6	33.9	34.2	34.5
-67.5°	28.2	28.6	28.9	29.3	29.6	29.9	30.2	30.5	30.7	30.9	31.1
-68.75°	25.6	26.0	26.4	26.7	27.0	27.3	27.5	27.8	28.0	28.2	28.4
-70°	23.0	23.4	23.7	24.0	24.3	24.6	24.9	25.1	25.3	25.5	25.7
-71.25°	20.5	20.8	21.1	21.4	21.7	21.9	22.2	22.4	22.6	22.7	22.9
-72.5°	19.0	19.2	19.4	19.5	19.7	19.8	19.9	20.1	20.2	20.2	20.3
-73.75°	17.6	17.7	17.9	18.0	18.1	18.3	18.4	18.5	18.6	18.7	18.8
-75°	16.8	16.8	16.9	17.0	17.0	17.1	17.1	17.2	17.2	17.3	17.3
-76.25°	16.1	16.1	16.2	16.3	16.3	16.4	16.4	16.5	16.5	16.5	16.6
-77.5°	15.1	15.2	15.3	15.3	15.4	15.5	15.6	15.6	15.7	15.7	15.8



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-21.25°	-20°	-18.75°	-17.5°	-16.25°	-15°	-13.75°	-12.5°	-11.25°	-10°	-8.75°
-78.75°	14.0	14.0	14.1	14.2	14.3	14.3	14.4	14.4	14.5	14.5	14.6
-80°	12.4	12.5	12.6	12.8	12.9	12.9	13.0	13.1	13.2	13.3	13.3
-81.25°	10.5	10.6	10.8	10.8	10.9	11.0	11.1	11.2	11.2	11.3	11.3
-82.5°	8.8	8.9	9.0	9.1	9.1	9.2	9.2	9.3	9.3	9.4	9.4
-83.75°	7.4	7.4	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8
-85°	5.9	5.9	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.2	6.2
-86.25°	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.7	4.7	4.7
-87.5°	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2
-88.75°	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.6
-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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
86.25°	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.7	4.7	4.7	4.7
85°	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
83.75°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
82.5°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
81.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
80°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
78.75°	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
77.5°	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9
76.25°	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.6
75°	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
73.75°	18.8	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9
72.5°	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.5
71.25°	23.0	23.1	23.2	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.2
70°	25.8	25.9	26.0	26.1	26.2	26.2	26.2	26.2	26.2	26.1	26.0
68.75°	28.5	28.7	28.8	28.8	28.9	28.9	29.0	28.9	28.9	28.8	28.8
67.5°	31.3	31.4	31.5	31.6	31.7	31.7	31.7	31.7	31.7	31.6	31.5
66.25°	34.7	34.9	35.0	35.1	35.2	35.3	35.3	35.3	35.2	35.1	35.0
65°	38.2	38.4	38.6	38.7	38.8	38.9	38.9	38.9	38.8	38.7	38.6
63.75°	41.1	41.3	41.4	41.5	41.6	41.6	41.7	41.6	41.6	41.5	41.4
62.5°	43.8	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.3	44.3	44.2
61.25°	46.0	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.3	46.2
60°	47.9	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.3	48.3	48.2
58.75°	49.9	50.0	50.1	50.2	50.3	50.3	50.4	50.3	50.3	50.2	50.1
57.5°	51.8	52.0	52.1	52.2	52.2	52.3	52.3	52.3	52.2	52.2	52.1
56.25°	53.8	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
55°	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
53.75°	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.4	57.3
52.5°	58.3	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.6	58.5
51.25°	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.0
50°	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.4
48.75°	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.2	60.2
47.5°	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.0	61.0
46.25°	61.3	61.4	61.4	61.4	61.4	61.4	61.5	61.4	61.4	61.4	61.4
45°	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.7
43.75°	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.5	62.5
42.5°	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.3	63.2
41.25°	63.8	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.1	64.0
40°	64.6	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.0	64.9	64.8
38.75°	65.8	66.1	66.3	66.4	66.5	66.6	66.6	66.6	66.5	66.4	66.3
37.5°	67.4	67.6	67.8	68.0	68.1	68.2	68.2	68.2	68.1	68.0	67.8
36.25°	70.1	70.7	71.2	71.6	71.9	72.1	72.2	72.1	71.9	71.6	71.2
35°	73.9	74.6	75.1	75.5	75.9	76.0	76.1	76.0	75.9	75.5	75.1

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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
33.75°	80.9	82.9	84.6	85.9	86.8	87.4	87.6	87.4	86.8	85.9	84.6
32.5°	92.1	94.2	96.0	97.3	98.3	98.9	99.1	98.9	98.3	97.3	96.0
31.25°	103.5	105.9	107.9	109.4	110.5	111.2	111.4	111.2	110.5	109.4	107.9
30°	115.5	117.9	120.0	121.6	122.8	123.5	123.7	123.5	122.8	121.6	120.0
28.75°	128.4	131.8	134.6	137.3	141.3	143.7	144.5	143.7	141.3	137.3	134.6
27.5°	155.0	164.1	174.8	187.6	196.8	202.4	204.2	202.4	196.8	187.6	174.8
26.25°	223.5	246.0	269.4	287.7	300.8	308.8	311.4	308.8	300.8	287.7	269.4
25°	332.4	366.9	395.8	418.5	434.9	444.7	448.0	444.7	434.9	418.5	395.8
23.75°	466.6	504.8	536.5	561.3	579.5	590.6	594.3	590.6	579.5	561.3	536.5
22.5°	605.5	646.8	681.0	706.2	724.1	735.0	738.6	735.0	724.1	706.2	681.0
21.25°	741.2	781.7	812.5	835.6	852.2	862.3	865.6	862.3	852.2	835.6	812.5
20°	860.3	896.7	924.0	945.6	961.1	970.6	973.7	970.6	961.1	945.6	924.0
18.75°	961.6	1000.8	1035.4	1062.8	1085.7	1101.7	1107.1	1101.7	1085.7	1062.8	1035.4
17.5°	1074.5	1133.9	1183.6	1227.4	1264.0	1286.2	1293.7	1286.2	1264.0	1227.4	1183.6
16.25°	1232.6	1314.3	1383.5	1450.2	1498.6	1528.0	1537.9	1528.0	1498.6	1450.2	1383.5
15°	1436.2	1543.7	1644.2	1732.8	1797.4	1836.6	1849.8	1836.6	1797.4	1732.8	1644.2
13.75°	1687.1	1829.4	1960.2	2066.6	2145.1	2196.8	2214.2	2196.8	2145.1	2066.6	1960.2
12.5°	1979.6	2150.7	2308.5	2435.4	2531.4	2590.4	2610.3	2590.4	2531.4	2435.4	2308.5
11.25°	2294.2	2497.0	2675.6	2823.7	2938.0	3008.2	3031.9	3008.2	2938.0	2823.7	2675.6
10°	2617.7	2849.8	3060.0	3233.5	3363.3	3443.4	3470.5	3443.4	3363.3	3233.5	3060.0
8.75°	2943.4	3210.5	3446.5	3638.6	3782.6	3871.7	3901.9	3871.7	3782.6	3638.6	3446.5
7.5°	3262.3	3556.5	3814.2	4028.5	4189.1	4283.5	4315.8	4283.5	4189.1	4028.5	3814.2
6.25°	3556.5	3874.5	4159.5	4383.4	4544.8	4639.8	4672.6	4639.8	4544.8	4383.4	4159.5
5°	3814.2	4159.5	4451.9	4673.4	4838.0	4942.5	4979.4	4942.5	4838.0	4673.4	4451.9
3.75°	4028.5	4383.4	4673.4	4907.0	5074.2	5179.3	5213.7	5179.3	5074.2	4907.0	4673.4
2.5°	4189.1	4544.8	4838.0	5074.2	5250.2	5363.3	5395.3	5363.3	5250.2	5074.2	4838.0
1.25°	4283.5	4639.8	4942.5	5179.3	5363.3	5469.0	5512.1	5469.0	5363.3	5179.3	4942.5
0°	4315.8	4672.6	4979.4	5213.7	5395.3	5512.1	5594.7	5512.1	5395.3	5213.7	4979.4
-1.25°	4283.5	4639.8	4942.5	5179.3	5363.3	5469.0	5512.1	5469.0	5363.3	5179.3	4942.5
-2.5°	4189.1	4544.8	4838.0	5074.2	5250.2	5363.3	5395.3	5363.3	5250.2	5074.2	4838.0
-3.75°	4028.5	4383.4	4673.4	4907.0	5074.2	5179.3	5213.7	5179.3	5074.2	4907.0	4673.4
-5°	3814.2	4159.5	4451.9	4673.4	4838.0	4942.5	4979.4	4942.5	4838.0	4673.4	4451.9
-6.25°	3556.5	3874.5	4159.5	4383.4	4544.8	4639.8	4672.6	4639.8	4544.8	4383.4	4159.5
-7.5°	3262.3	3556.5	3814.2	4028.5	4189.1	4283.5	4315.8	4283.5	4189.1	4028.5	3814.2
-8.75°	2943.4	3210.5	3446.5	3638.6	3782.6	3871.7	3901.9	3871.7	3782.6	3638.6	3446.5
-10°	2617.7	2849.8	3060.0	3233.5	3363.3	3443.4	3470.5	3443.4	3363.3	3233.5	3060.0
-11.25°	2294.2	2497.0	2675.6	2823.7	2938.0	3008.2	3031.9	3008.2	2938.0	2823.7	2675.6
-12.5°	1979.6	2150.7	2308.5	2435.4	2531.4	2590.4	2610.3	2590.4	2531.4	2435.4	2308.5
-13.75°	1687.1	1829.4	1960.2	2066.6	2145.1	2196.8	2214.2	2196.8	2145.1	2066.6	1960.2
-15°	1436.2	1543.7	1644.2	1732.8	1797.4	1836.6	1849.8	1836.6	1797.4	1732.8	1644.2
-16.25°	1232.6	1314.3	1383.5	1450.2	1498.6	1528.0	1537.9	1528.0	1498.6	1450.2	1383.5
-17.5°	1074.5	1133.9	1183.6	1227.4	1264.0	1286.2	1293.7	1286.2	1264.0	1227.4	1183.6
-18.75°	961.6	1000.8	1035.4	1062.8	1085.7	1101.7	1107.1	1101.7	1085.7	1062.8	1035.4
-20°	860.3	896.7	924.0	945.6	961.1	970.6	973.7	970.6	961.1	945.6	924.0
-21.25°	741.2	781.7	812.5	835.6	852.2	862.3	865.6	862.3	852.2	835.6	812.5



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-22.5°	605.5	646.8	681.0	706.2	724.1	735.0	738.6	735.0	724.1	706.2	681.0
-23.75°	466.6	504.8	536.5	561.3	579.5	590.6	594.3	590.6	579.5	561.3	536.5
-25°	332.4	366.9	395.8	418.5	434.9	444.7	448.0	444.7	434.9	418.5	395.8
-26.25°	223.5	246.0	269.4	287.7	300.8	308.8	311.4	308.8	300.8	287.7	269.4
-27.5°	155.0	164.1	174.8	187.6	196.8	202.4	204.2	202.4	196.8	187.6	174.8
-28.75°	128.4	131.8	134.6	137.3	141.3	143.7	144.5	143.7	141.3	137.3	134.6
-30°	115.5	117.9	120.0	121.6	122.8	123.5	123.7	123.5	122.8	121.6	120.0
-31.25°	103.5	105.9	107.9	109.4	110.5	111.2	111.4	111.2	110.5	109.4	107.9
-32.5°	92.1	94.2	96.0	97.3	98.3	98.9	99.1	98.9	98.3	97.3	96.0
-33.75°	80.9	82.9	84.6	85.9	86.8	87.4	87.6	87.4	86.8	85.9	84.6
-35°	73.9	74.6	75.1	75.5	75.9	76.0	76.1	76.0	75.9	75.5	75.1
-36.25°	70.1	70.7	71.2	71.6	71.9	72.1	72.2	72.1	71.9	71.6	71.2
-37.5°	67.4	67.6	67.8	68.0	68.1	68.2	68.2	68.2	68.1	68.0	67.8
-38.75°	65.8	66.1	66.3	66.4	66.5	66.6	66.6	66.6	66.5	66.4	66.3
-40°	64.6	64.7	64.8	64.9	65.0	65.0	65.0	65.0	65.0	64.9	64.8
-41.25°	63.8	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.1	64.0
-42.5°	63.1	63.2	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.3	63.2
-43.75°	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.5	62.5
-45°	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.7
-46.25°	61.3	61.4	61.4	61.4	61.4	61.4	61.5	61.4	61.4	61.4	61.4
-47.5°	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.0	61.0
-48.75°	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.2	60.2
-50°	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.4
-51.25°	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.0
-52.5°	58.3	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.6	58.5
-53.75°	57.2	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.4	57.3
-55°	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.2	56.2	56.1
-56.25°	53.8	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.2	54.2	54.1
-57.5°	51.8	52.0	52.1	52.2	52.2	52.3	52.3	52.3	52.2	52.2	52.1
-58.75°	49.9	50.0	50.1	50.2	50.3	50.3	50.4	50.3	50.3	50.2	50.1
-60°	47.9	48.1	48.2	48.3	48.3	48.4	48.4	48.4	48.3	48.3	48.2
-61.25°	46.0	46.1	46.2	46.3	46.4	46.4	46.4	46.4	46.4	46.3	46.2
-62.5°	43.8	44.0	44.2	44.3	44.3	44.4	44.4	44.4	44.3	44.3	44.2
-63.75°	41.1	41.3	41.4	41.5	41.6	41.6	41.7	41.6	41.6	41.5	41.4
-65°	38.2	38.4	38.6	38.7	38.8	38.9	38.9	38.9	38.8	38.7	38.6
-66.25°	34.7	34.9	35.0	35.1	35.2	35.3	35.3	35.3	35.2	35.1	35.0
-67.5°	31.3	31.4	31.5	31.6	31.7	31.7	31.7	31.7	31.7	31.6	31.5
-68.75°	28.5	28.7	28.8	28.8	28.9	28.9	29.0	28.9	28.9	28.8	28.8
-70°	25.8	25.9	26.0	26.1	26.2	26.2	26.2	26.2	26.2	26.1	26.0
-71.25°	23.0	23.1	23.2	23.3	23.4	23.4	23.4	23.4	23.4	23.3	23.2
-72.5°	20.4	20.5	20.5	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.5
-73.75°	18.8	18.9	18.9	19.0	19.0	19.0	19.0	19.0	19.0	19.0	18.9
-75°	17.3	17.3	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
-76.25°	16.6	16.6	16.6	16.6	16.6	16.6	16.7	16.6	16.6	16.6	16.6
-77.5°	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	-7.5°	-6.25°	-5°	-3.75°	-2.5°	-1.25°	0°	1.25°	2.5°	3.75°	5°
-78.75°	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
-80°	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.4
-81.25°	11.4	11.4	11.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.4
-82.5°	9.4	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
-83.75°	7.8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
-85°	6.2	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
-86.25°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
-87.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
-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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
86.25°	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5
85°	6.3	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
83.75°	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
82.5°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
81.25°	11.4	11.4	11.3	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.8
80°	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.9	12.8	12.6
78.75°	14.6	14.6	14.6	14.5	14.5	14.4	14.4	14.3	14.3	14.2	14.1
77.5°	15.8	15.8	15.8	15.7	15.7	15.6	15.6	15.5	15.4	15.3	15.3
76.25°	16.6	16.6	16.6	16.5	16.5	16.5	16.4	16.4	16.3	16.3	16.2
75°	17.3	17.3	17.3	17.3	17.2	17.2	17.1	17.1	17.0	17.0	16.9
73.75°	18.9	18.8	18.8	18.7	18.6	18.5	18.4	18.3	18.1	18.0	17.9
72.5°	20.5	20.4	20.3	20.2	20.2	20.1	19.9	19.8	19.7	19.5	19.4
71.25°	23.1	23.0	22.9	22.7	22.6	22.4	22.2	21.9	21.7	21.4	21.1
70°	25.9	25.8	25.7	25.5	25.3	25.1	24.9	24.6	24.3	24.0	23.7
68.75°	28.7	28.5	28.4	28.2	28.0	27.8	27.5	27.3	27.0	26.7	26.4
67.5°	31.4	31.3	31.1	30.9	30.7	30.5	30.2	29.9	29.6	29.3	28.9
66.25°	34.9	34.7	34.5	34.2	33.9	33.6	33.2	32.8	32.4	32.0	31.5
65°	38.4	38.2	38.0	37.7	37.4	37.1	36.7	36.3	35.8	35.4	34.8
63.75°	41.3	41.1	40.9	40.7	40.5	40.2	39.9	39.5	39.2	38.8	38.2
62.5°	44.0	43.8	43.6	43.4	43.1	42.8	42.5	42.2	41.8	41.4	40.9
61.25°	46.1	46.0	45.8	45.6	45.4	45.2	45.0	44.7	44.4	44.0	43.5
60°	48.1	47.9	47.8	47.6	47.4	47.2	46.9	46.6	46.3	46.0	45.6
58.75°	50.0	49.9	49.7	49.5	49.3	49.1	48.8	48.5	48.2	47.8	47.5
57.5°	52.0	51.8	51.6	51.4	51.2	51.0	50.7	50.4	50.0	49.7	49.3
56.25°	53.9	53.8	53.6	53.4	53.1	52.9	52.6	52.2	51.9	51.5	51.1
55°	55.9	55.8	55.6	55.3	55.1	54.8	54.5	54.1	53.8	53.4	52.9
53.75°	57.3	57.2	57.0	56.9	56.7	56.5	56.4	56.0	55.6	55.2	54.8
52.5°	58.4	58.3	58.2	58.1	57.9	57.7	57.5	57.3	57.0	56.8	56.5
51.25°	59.0	59.0	58.9	58.9	58.8	58.8	58.6	58.4	58.2	57.9	57.6
50°	59.4	59.4	59.3	59.3	59.2	59.1	59.1	59.0	58.9	58.8	58.7
48.75°	60.1	60.0	59.9	59.8	59.7	59.5	59.4	59.4	59.3	59.2	59.1
47.5°	60.9	60.8	60.7	60.6	60.5	60.3	60.1	60.0	59.8	59.6	59.4
46.25°	61.4	61.3	61.3	61.2	61.2	61.1	60.9	60.7	60.5	60.3	60.1
45°	61.7	61.7	61.6	61.6	61.5	61.4	61.3	61.3	61.2	61.0	60.8
43.75°	62.4	62.3	62.2	62.0	61.9	61.8	61.7	61.6	61.5	61.4	61.3
42.5°	63.2	63.1	62.9	62.8	62.6	62.5	62.3	62.1	61.8	61.7	61.6
41.25°	64.0	63.8	63.7	63.6	63.4	63.2	63.0	62.8	62.6	62.3	62.1
40°	64.7	64.6	64.5	64.3	64.2	64.0	63.8	63.5	63.3	63.0	62.8
38.75°	66.1	65.8	65.5	65.2	64.9	64.7	64.5	64.3	64.0	63.8	63.5
37.5°	67.6	67.4	67.1	66.8	66.4	66.0	65.5	65.0	64.8	64.5	64.2
36.25°	70.7	70.1	69.3	68.4	67.9	67.5	67.0	66.5	65.9	65.4	64.9
35°	74.6	73.9	73.1	72.2	71.2	70.1	68.9	67.9	67.4	66.8	66.1



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CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
33.75°	82.9	80.9	78.5	76.0	75.0	73.8	72.5	71.1	69.7	68.2	67.5
32.5°	94.2	92.1	89.6	86.8	83.6	80.0	76.2	74.7	73.1	71.5	69.8
31.25°	105.9	103.5	100.8	97.7	94.3	90.6	86.6	82.2	77.6	74.9	73.1
30°	117.9	115.5	112.5	109.2	105.4	101.3	97.0	92.4	87.6	82.4	76.9
28.75°	131.8	128.4	124.4	120.8	116.8	112.5	107.8	102.8	97.4	92.1	86.4
27.5°	164.1	155.0	144.4	134.8	129.5	123.7	118.7	113.4	107.8	101.8	95.7
26.25°	246.0	223.5	199.2	171.5	155.9	140.2	131.3	124.1	118.1	111.9	105.3
25°	366.9	332.4	297.6	258.1	220.8	185.1	158.6	139.5	129.7	121.8	115.0
23.75°	504.8	466.6	422.9	374.1	322.0	271.2	222.4	179.1	152.4	133.9	124.7
22.5°	646.8	605.5	557.6	504.4	445.2	382.6	318.0	256.4	203.8	161.7	137.3
21.25°	781.7	741.2	694.1	637.5	573.8	505.5	432.6	356.9	285.5	220.6	167.3
20°	896.7	860.3	816.9	764.1	701.9	630.1	551.7	469.6	385.2	303.1	229.0
18.75°	1000.8	961.6	921.2	873.8	816.6	748.6	671.1	583.3	492.4	399.5	309.0
17.5°	1133.9	1074.5	1023.2	967.2	914.1	852.1	780.3	695.1	599.4	500.1	399.5
16.25°	1314.3	1232.6	1154.0	1072.7	1005.9	940.2	873.7	795.9	702.8	599.4	492.4
15°	1543.7	1436.2	1325.5	1213.8	1117.5	1030.3	953.4	880.9	795.9	695.1	583.3
13.75°	1829.4	1687.1	1537.3	1391.3	1259.8	1140.4	1038.5	953.4	873.7	780.3	671.1
12.5°	2150.7	1979.6	1793.3	1601.5	1431.0	1275.2	1140.4	1030.3	940.2	852.1	748.6
11.25°	2497.0	2294.2	2073.8	1847.5	1627.3	1431.0	1259.8	1117.5	1005.9	914.1	816.6
10°	2849.8	2617.7	2367.8	2105.7	1847.5	1601.5	1391.3	1213.8	1072.7	967.2	873.8
8.75°	3210.5	2943.4	2658.7	2367.8	2073.8	1793.3	1537.3	1325.5	1154.0	1023.2	921.2
7.5°	3556.5	3262.3	2943.4	2617.7	2294.2	1979.6	1687.1	1436.2	1232.6	1074.5	961.6
6.25°	3874.5	3556.5	3210.5	2849.8	2497.0	2150.7	1829.4	1543.7	1314.3	1133.9	1000.8
5°	4159.5	3814.2	3446.5	3060.0	2675.6	2308.5	1960.2	1644.2	1383.5	1183.6	1035.4
3.75°	4383.4	4028.5	3638.6	3233.5	2823.7	2435.4	2066.6	1732.8	1450.2	1227.4	1062.8
2.5°	4544.8	4189.1	3782.6	3363.3	2938.0	2531.4	2145.1	1797.4	1498.6	1264.0	1085.7
1.25°	4639.8	4283.5	3871.7	3443.4	3008.2	2590.4	2196.8	1836.6	1528.0	1286.2	1101.7
0°	4672.6	4315.8	3901.9	3470.5	3031.9	2610.3	2214.2	1849.8	1537.9	1293.7	1107.1
-1.25°	4639.8	4283.5	3871.7	3443.4	3008.2	2590.4	2196.8	1836.6	1528.0	1286.2	1101.7
-2.5°	4544.8	4189.1	3782.6	3363.3	2938.0	2531.4	2145.1	1797.4	1498.6	1264.0	1085.7
-3.75°	4383.4	4028.5	3638.6	3233.5	2823.7	2435.4	2066.6	1732.8	1450.2	1227.4	1062.8
-5°	4159.5	3814.2	3446.5	3060.0	2675.6	2308.5	1960.2	1644.2	1383.5	1183.6	1035.4
-6.25°	3874.5	3556.5	3210.5	2849.8	2497.0	2150.7	1829.4	1543.7	1314.3	1133.9	1000.8
-7.5°	3556.5	3262.3	2943.4	2617.7	2294.2	1979.6	1687.1	1436.2	1232.6	1074.5	961.6
-8.75°	3210.5	2943.4	2658.7	2367.8	2073.8	1793.3	1537.3	1325.5	1154.0	1023.2	921.2
-10°	2849.8	2617.7	2367.8	2105.7	1847.5	1601.5	1391.3	1213.8	1072.7	967.2	873.8
-11.25°	2497.0	2294.2	2073.8	1847.5	1627.3	1431.0	1259.8	1117.5	1005.9	914.1	816.6
-12.5°	2150.7	1979.6	1793.3	1601.5	1431.0	1275.2	1140.4	1030.3	940.2	852.1	748.6
-13.75°	1829.4	1687.1	1537.3	1391.3	1259.8	1140.4	1038.5	953.4	873.7	780.3	671.1
-15°	1543.7	1436.2	1325.5	1213.8	1117.5	1030.3	953.4	880.9	795.9	695.1	583.3
-16.25°	1314.3	1232.6	1154.0	1072.7	1005.9	940.2	873.7	795.9	702.8	599.4	492.4
-17.5°	1133.9	1074.5	1023.2	967.2	914.1	852.1	780.3	695.1	599.4	500.1	399.5
-18.75°	1000.8	961.6	921.2	873.8	816.6	748.6	671.1	583.3	492.4	399.5	309.0
-20°	896.7	860.3	816.9	764.1	701.9	630.1	551.7	469.6	385.2	303.1	229.0
-21.25°	781.7	741.2	694.1	637.5	573.8	505.5	432.6	356.9	285.5	220.6	167.3



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-22.5°	646.8	605.5	557.6	504.4	445.2	382.6	318.0	256.4	203.8	161.7	137.3
-23.75°	504.8	466.6	422.9	374.1	322.0	271.2	222.4	179.1	152.4	133.9	124.7
-25°	366.9	332.4	297.6	258.1	220.8	185.1	158.6	139.5	129.7	121.8	115.0
-26.25°	246.0	223.5	199.2	171.5	155.9	140.2	131.3	124.1	118.1	111.9	105.3
-27.5°	164.1	155.0	144.4	134.8	129.5	123.7	118.7	113.4	107.8	101.8	95.7
-28.75°	131.8	128.4	124.4	120.8	116.8	112.5	107.8	102.8	97.4	92.1	86.4
-30°	117.9	115.5	112.5	109.2	105.4	101.3	97.0	92.4	87.6	82.4	76.9
-31.25°	105.9	103.5	100.8	97.7	94.3	90.6	86.6	82.2	77.6	74.9	73.1
-32.5°	94.2	92.1	89.6	86.8	83.6	80.0	76.2	74.7	73.1	71.5	69.8
-33.75°	82.9	80.9	78.5	76.0	75.0	73.8	72.5	71.1	69.7	68.2	67.5
-35°	74.6	73.9	73.1	72.2	71.2	70.1	68.9	67.9	67.4	66.8	66.1
-36.25°	70.7	70.1	69.3	68.4	67.9	67.5	67.0	66.5	65.9	65.4	64.9
-37.5°	67.6	67.4	67.1	66.8	66.4	66.0	65.5	65.0	64.8	64.5	64.2
-38.75°	66.1	65.8	65.5	65.2	64.9	64.7	64.5	64.3	64.0	63.8	63.5
-40°	64.7	64.6	64.5	64.3	64.2	64.0	63.8	63.5	63.3	63.0	62.8
-41.25°	64.0	63.8	63.7	63.6	63.4	63.2	63.0	62.8	62.6	62.3	62.1
-42.5°	63.2	63.1	62.9	62.8	62.6	62.5	62.3	62.1	61.8	61.7	61.6
-43.75°	62.4	62.3	62.2	62.0	61.9	61.8	61.7	61.6	61.5	61.4	61.3
-45°	61.7	61.7	61.6	61.6	61.5	61.4	61.3	61.3	61.2	61.0	60.8
-46.25°	61.4	61.3	61.3	61.2	61.2	61.1	60.9	60.7	60.5	60.3	60.1
-47.5°	60.9	60.8	60.7	60.6	60.5	60.3	60.1	60.0	59.8	59.6	59.4
-48.75°	60.1	60.0	59.9	59.8	59.7	59.5	59.4	59.4	59.3	59.2	59.1
-50°	59.4	59.4	59.3	59.3	59.2	59.1	59.1	59.0	58.9	58.8	58.7
-51.25°	59.0	59.0	58.9	58.9	58.8	58.8	58.6	58.4	58.2	57.9	57.6
-52.5°	58.4	58.3	58.2	58.1	57.9	57.7	57.5	57.3	57.0	56.8	56.5
-53.75°	57.3	57.2	57.0	56.9	56.7	56.5	56.4	56.0	55.6	55.2	54.8
-55°	55.9	55.8	55.6	55.3	55.1	54.8	54.5	54.1	53.8	53.4	52.9
-56.25°	53.9	53.8	53.6	53.4	53.1	52.9	52.6	52.2	51.9	51.5	51.1
-57.5°	52.0	51.8	51.6	51.4	51.2	51.0	50.7	50.4	50.0	49.7	49.3
-58.75°	50.0	49.9	49.7	49.5	49.3	49.1	48.8	48.5	48.2	47.8	47.5
-60°	48.1	47.9	47.8	47.6	47.4	47.2	46.9	46.6	46.3	46.0	45.6
-61.25°	46.1	46.0	45.8	45.6	45.4	45.2	45.0	44.7	44.4	44.0	43.5
-62.5°	44.0	43.8	43.6	43.4	43.1	42.8	42.5	42.2	41.8	41.4	40.9
-63.75°	41.3	41.1	40.9	40.7	40.5	40.2	39.9	39.5	39.2	38.8	38.2
-65°	38.4	38.2	38.0	37.7	37.4	37.1	36.7	36.3	35.8	35.4	34.8
-66.25°	34.9	34.7	34.5	34.2	33.9	33.6	33.2	32.8	32.4	32.0	31.5
-67.5°	31.4	31.3	31.1	30.9	30.7	30.5	30.2	29.9	29.6	29.3	28.9
-68.75°	28.7	28.5	28.4	28.2	28.0	27.8	27.5	27.3	27.0	26.7	26.4
-70°	25.9	25.8	25.7	25.5	25.3	25.1	24.9	24.6	24.3	24.0	23.7
-71.25°	23.1	23.0	22.9	22.7	22.6	22.4	22.2	21.9	21.7	21.4	21.1
-72.5°	20.5	20.4	20.3	20.2	20.2	20.1	19.9	19.8	19.7	19.5	19.4
-73.75°	18.9	18.8	18.8	18.7	18.6	18.5	18.4	18.3	18.1	18.0	17.9
-75°	17.3	17.3	17.3	17.3	17.2	17.2	17.1	17.1	17.0	17.0	16.9
-76.25°	16.6	16.6	16.6	16.5	16.5	16.5	16.4	16.4	16.3	16.3	16.2
-77.5°	15.8	15.8	15.8	15.7	15.7	15.6	15.6	15.5	15.4	15.3	15.3



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	6.25°	7.5°	8.75°	10°	11.25°	12.5°	13.75°	15°	16.25°	17.5°	18.75°
-78.75°	14.6	14.6	14.6	14.5	14.5	14.4	14.4	14.3	14.3	14.2	14.1
-80°	13.4	13.4	13.3	13.3	13.2	13.1	13.0	12.9	12.9	12.8	12.6
-81.25°	11.4	11.4	11.3	11.3	11.2	11.2	11.1	11.0	10.9	10.8	10.8
-82.5°	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.2	9.1	9.1	9.0
-83.75°	7.9	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6	7.5	7.5
-85°	6.3	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1	6.0	6.0
-86.25°	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5
-87.5°	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.0
-88.75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
-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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
86.25°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
85°	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3
83.75°	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6
82.5°	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
81.25°	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.8	9.6	9.5	9.3
80°	12.5	12.4	12.3	12.1	12.0	11.8	11.7	11.5	11.3	11.2	11.0
78.75°	14.0	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.1	12.9	12.7
77.5°	15.2	15.1	15.0	14.9	14.8	14.6	14.5	14.4	14.3	14.1	14.0
76.25°	16.1	16.1	16.0	15.9	15.8	15.7	15.6	15.4	15.3	15.2	15.0
75°	16.8	16.8	16.7	16.6	16.5	16.5	16.4	16.3	16.2	16.1	16.0
73.75°	17.7	17.6	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6
72.5°	19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.8	17.5	17.3	17.2
71.25°	20.8	20.5	20.3	20.1	19.9	19.6	19.4	19.2	18.9	18.6	18.3
70°	23.4	23.0	22.7	22.3	21.8	21.4	21.0	20.5	20.3	20.0	19.7
68.75°	26.0	25.6	25.2	24.8	24.4	23.9	23.4	22.9	22.4	21.8	21.3
67.5°	28.6	28.2	27.8	27.3	26.8	26.4	25.8	25.3	24.8	24.2	23.6
66.25°	31.1	30.7	30.3	29.8	29.3	28.8	28.2	27.7	27.1	26.5	25.9
65°	34.3	33.7	33.1	32.4	31.8	31.2	30.6	30.0	29.4	28.8	28.1
63.75°	37.6	37.0	36.4	35.7	35.0	34.2	33.4	32.6	31.8	31.1	30.4
62.5°	40.5	40.0	39.5	38.9	38.1	37.4	36.5	35.7	34.8	33.9	32.9
61.25°	43.0	42.5	41.9	41.4	40.8	40.1	39.5	38.7	37.8	36.8	35.8
60°	45.2	44.8	44.4	43.8	43.2	42.5	41.8	41.1	40.3	39.6	38.7
58.75°	47.1	46.7	46.2	45.8	45.3	44.8	44.2	43.4	42.6	41.8	41.0
57.5°	48.9	48.5	48.0	47.5	47.0	46.5	45.9	45.4	44.8	44.1	43.2
56.25°	50.7	50.2	49.8	49.3	48.8	48.2	47.6	47.0	46.4	45.8	45.1
55°	52.5	52.0	51.5	51.0	50.5	49.9	49.3	48.7	48.1	47.4	46.7
53.75°	54.3	53.8	53.3	52.7	52.2	51.6	50.9	50.3	49.7	49.0	48.3
52.5°	56.1	55.6	55.1	54.5	53.9	53.2	52.6	51.9	51.2	50.5	49.8
51.25°	57.3	57.0	56.6	56.2	55.6	54.9	54.3	53.6	52.8	52.1	51.3
50°	58.4	58.0	57.7	57.3	56.9	56.5	55.9	55.2	54.4	53.6	52.8
48.75°	59.0	58.8	58.7	58.3	57.9	57.5	57.1	56.6	56.0	55.2	54.4
47.5°	59.3	59.2	59.1	58.9	58.8	58.5	58.0	57.6	57.1	56.6	55.9
46.25°	59.8	59.6	59.4	59.3	59.1	59.0	58.8	58.5	58.0	57.5	56.9
45°	60.6	60.3	60.0	59.7	59.5	59.3	59.1	59.0	58.8	58.4	57.8
43.75°	61.2	61.0	60.7	60.4	60.1	59.7	59.5	59.3	59.1	58.9	58.7
42.5°	61.5	61.4	61.2	61.1	60.7	60.4	60.0	59.7	59.4	59.2	59.0
41.25°	61.8	61.7	61.5	61.4	61.2	61.0	60.7	60.3	59.9	59.5	59.3
40°	62.5	62.2	61.8	61.7	61.5	61.4	61.2	60.9	60.5	60.1	59.7
38.75°	63.2	62.8	62.5	62.2	61.8	61.6	61.5	61.3	61.1	60.7	60.2
37.5°	63.8	63.5	63.2	62.8	62.4	62.0	61.7	61.5	61.4	61.2	60.8
36.25°	64.5	64.2	63.8	63.4	63.1	62.6	62.2	61.8	61.6	61.4	61.2
35°	65.4	64.9	64.5	64.1	63.7	63.3	62.8	62.4	61.9	61.6	61.4



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
33.75°	66.8	66.0	65.2	64.7	64.3	63.9	63.4	63.0	62.5	62.0	61.7
32.5°	68.1	67.3	66.5	65.7	64.9	64.5	64.0	63.5	63.0	62.5	62.0
31.25°	71.2	69.2	67.8	66.9	66.0	65.1	64.6	64.1	63.6	63.1	62.5
30°	74.4	72.4	70.2	68.1	67.2	66.2	65.2	64.6	64.1	63.6	63.0
28.75°	80.4	75.5	73.2	70.9	68.6	67.4	66.3	65.3	64.6	64.1	63.5
27.5°	89.5	83.1	76.4	73.8	71.4	68.9	67.4	66.3	65.2	64.6	64.0
26.25°	98.5	91.8	84.9	77.7	74.1	71.5	68.9	67.4	66.2	65.1	64.5
25°	107.9	100.5	93.2	85.8	78.2	74.1	71.4	68.6	67.2	66.0	64.9
23.75°	117.1	109.4	101.5	93.7	85.8	77.7	73.8	70.9	68.1	66.9	65.7
22.5°	126.8	118.2	109.9	101.5	93.2	84.9	76.4	73.2	70.2	67.8	66.5
21.25°	140.9	127.5	118.2	109.4	100.5	91.8	83.1	75.5	72.4	69.2	67.3
20°	169.5	140.9	126.8	117.1	107.9	98.5	89.5	80.4	74.4	71.2	68.1
18.75°	229.0	167.3	137.3	124.7	115.0	105.3	95.7	86.4	76.9	73.1	69.8
17.5°	303.1	220.6	161.7	133.9	121.8	111.9	101.8	92.1	82.4	74.9	71.5
16.25°	385.2	285.5	203.8	152.4	129.7	118.1	107.8	97.4	87.6	77.6	73.1
15°	469.6	356.9	256.4	179.1	139.5	124.1	113.4	102.8	92.4	82.2	74.7
13.75°	551.7	432.6	318.0	222.4	158.6	131.3	118.7	107.8	97.0	86.6	76.2
12.5°	630.1	505.5	382.6	271.2	185.1	140.2	123.7	112.5	101.3	90.6	80.0
11.25°	701.9	573.8	445.2	322.0	220.8	155.9	129.5	116.8	105.4	94.3	83.6
10°	764.1	637.5	504.4	374.1	258.1	171.5	134.8	120.8	109.2	97.7	86.8
8.75°	816.9	694.1	557.6	422.9	297.6	199.2	144.4	124.4	112.5	100.8	89.6
7.5°	860.3	741.2	605.5	466.6	332.4	223.5	155.0	128.4	115.5	103.5	92.1
6.25°	896.7	781.7	646.8	504.8	366.9	246.0	164.1	131.8	117.9	105.9	94.2
5°	924.0	812.5	681.0	536.5	395.8	269.4	174.8	134.6	120.0	107.9	96.0
3.75°	945.6	835.6	706.2	561.3	418.5	287.7	187.6	137.3	121.6	109.4	97.3
2.5°	961.1	852.2	724.1	579.5	434.9	300.8	196.8	141.3	122.8	110.5	98.3
1.25°	970.6	862.3	735.0	590.6	444.7	308.8	202.4	143.7	123.5	111.2	98.9
0°	973.7	865.6	738.6	594.3	448.0	311.4	204.2	144.5	123.7	111.4	99.1
-1.25°	970.6	862.3	735.0	590.6	444.7	308.8	202.4	143.7	123.5	111.2	98.9
-2.5°	961.1	852.2	724.1	579.5	434.9	300.8	196.8	141.3	122.8	110.5	98.3
-3.75°	945.6	835.6	706.2	561.3	418.5	287.7	187.6	137.3	121.6	109.4	97.3
-5°	924.0	812.5	681.0	536.5	395.8	269.4	174.8	134.6	120.0	107.9	96.0
-6.25°	896.7	781.7	646.8	504.8	366.9	246.0	164.1	131.8	117.9	105.9	94.2
-7.5°	860.3	741.2	605.5	466.6	332.4	223.5	155.0	128.4	115.5	103.5	92.1
-8.75°	816.9	694.1	557.6	422.9	297.6	199.2	144.4	124.4	112.5	100.8	89.6
-10°	764.1	637.5	504.4	374.1	258.1	171.5	134.8	120.8	109.2	97.7	86.8
-11.25°	701.9	573.8	445.2	322.0	220.8	155.9	129.5	116.8	105.4	94.3	83.6
-12.5°	630.1	505.5	382.6	271.2	185.1	140.2	123.7	112.5	101.3	90.6	80.0
-13.75°	551.7	432.6	318.0	222.4	158.6	131.3	118.7	107.8	97.0	86.6	76.2
-15°	469.6	356.9	256.4	179.1	139.5	124.1	113.4	102.8	92.4	82.2	74.7
-16.25°	385.2	285.5	203.8	152.4	129.7	118.1	107.8	97.4	87.6	77.6	73.1
-17.5°	303.1	220.6	161.7	133.9	121.8	111.9	101.8	92.1	82.4	74.9	71.5
-18.75°	229.0	167.3	137.3	124.7	115.0	105.3	95.7	86.4	76.9	73.1	69.8
-20°	169.5	140.9	126.8	117.1	107.9	98.5	89.5	80.4	74.4	71.2	68.1
-21.25°	140.9	127.5	118.2	109.4	100.5	91.8	83.1	75.5	72.4	69.2	67.3



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CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-22.5°	126.8	118.2	109.9	101.5	93.2	84.9	76.4	73.2	70.2	67.8	66.5
-23.75°	117.1	109.4	101.5	93.7	85.8	77.7	73.8	70.9	68.1	66.9	65.7
-25°	107.9	100.5	93.2	85.8	78.2	74.1	71.4	68.6	67.2	66.0	64.9
-26.25°	98.5	91.8	84.9	77.7	74.1	71.5	68.9	67.4	66.2	65.1	64.5
-27.5°	89.5	83.1	76.4	73.8	71.4	68.9	67.4	66.3	65.2	64.6	64.0
-28.75°	80.4	75.5	73.2	70.9	68.6	67.4	66.3	65.3	64.6	64.1	63.5
-30°	74.4	72.4	70.2	68.1	67.2	66.2	65.2	64.6	64.1	63.6	63.0
-31.25°	71.2	69.2	67.8	66.9	66.0	65.1	64.6	64.1	63.6	63.1	62.5
-32.5°	68.1	67.3	66.5	65.7	64.9	64.5	64.0	63.5	63.0	62.5	62.0
-33.75°	66.8	66.0	65.2	64.7	64.3	63.9	63.4	63.0	62.5	62.0	61.7
-35°	65.4	64.9	64.5	64.1	63.7	63.3	62.8	62.4	61.9	61.6	61.4
-36.25°	64.5	64.2	63.8	63.4	63.1	62.6	62.2	61.8	61.6	61.4	61.2
-37.5°	63.8	63.5	63.2	62.8	62.4	62.0	61.7	61.5	61.4	61.2	60.8
-38.75°	63.2	62.8	62.5	62.2	61.8	61.6	61.5	61.3	61.1	60.7	60.2
-40°	62.5	62.2	61.8	61.7	61.5	61.4	61.2	60.9	60.5	60.1	59.7
-41.25°	61.8	61.7	61.5	61.4	61.2	61.0	60.7	60.3	59.9	59.5	59.3
-42.5°	61.5	61.4	61.2	61.1	60.7	60.4	60.0	59.7	59.4	59.2	59.0
-43.75°	61.2	61.0	60.7	60.4	60.1	59.7	59.5	59.3	59.1	58.9	58.7
-45°	60.6	60.3	60.0	59.7	59.5	59.3	59.1	59.0	58.8	58.4	57.8
-46.25°	59.8	59.6	59.4	59.3	59.1	59.0	58.8	58.5	58.0	57.5	56.9
-47.5°	59.3	59.2	59.1	58.9	58.8	58.5	58.0	57.6	57.1	56.6	55.9
-48.75°	59.0	58.8	58.7	58.3	57.9	57.5	57.1	56.6	56.0	55.2	54.4
-50°	58.4	58.0	57.7	57.3	56.9	56.5	55.9	55.2	54.4	53.6	52.8
-51.25°	57.3	57.0	56.6	56.2	55.6	54.9	54.3	53.6	52.8	52.1	51.3
-52.5°	56.1	55.6	55.1	54.5	53.9	53.2	52.6	51.9	51.2	50.5	49.8
-53.75°	54.3	53.8	53.3	52.7	52.2	51.6	50.9	50.3	49.7	49.0	48.3
-55°	52.5	52.0	51.5	51.0	50.5	49.9	49.3	48.7	48.1	47.4	46.7
-56.25°	50.7	50.2	49.8	49.3	48.8	48.2	47.6	47.0	46.4	45.8	45.1
-57.5°	48.9	48.5	48.0	47.5	47.0	46.5	45.9	45.4	44.8	44.1	43.2
-58.75°	47.1	46.7	46.2	45.8	45.3	44.8	44.2	43.4	42.6	41.8	41.0
-60°	45.2	44.8	44.4	43.8	43.2	42.5	41.8	41.1	40.3	39.6	38.7
-61.25°	43.0	42.5	41.9	41.4	40.8	40.1	39.5	38.7	37.8	36.8	35.8
-62.5°	40.5	40.0	39.5	38.9	38.1	37.4	36.5	35.7	34.8	33.9	32.9
-63.75°	37.6	37.0	36.4	35.7	35.0	34.2	33.4	32.6	31.8	31.1	30.4
-65°	34.3	33.7	33.1	32.4	31.8	31.2	30.6	30.0	29.4	28.8	28.1
-66.25°	31.1	30.7	30.3	29.8	29.3	28.8	28.2	27.7	27.1	26.5	25.9
-67.5°	28.6	28.2	27.8	27.3	26.8	26.4	25.8	25.3	24.8	24.2	23.6
-68.75°	26.0	25.6	25.2	24.8	24.4	23.9	23.4	22.9	22.4	21.8	21.3
-70°	23.4	23.0	22.7	22.3	21.8	21.4	21.0	20.5	20.3	20.0	19.7
-71.25°	20.8	20.5	20.3	20.1	19.9	19.6	19.4	19.2	18.9	18.6	18.3
-72.5°	19.2	19.0	18.8	18.6	18.4	18.2	18.0	17.8	17.5	17.3	17.2
-73.75°	17.7	17.6	17.4	17.3	17.2	17.1	17.0	16.9	16.8	16.7	16.6
-75°	16.8	16.8	16.7	16.6	16.5	16.5	16.4	16.3	16.2	16.1	16.0
-76.25°	16.1	16.1	16.0	15.9	15.8	15.7	15.6	15.4	15.3	15.2	15.0
-77.5°	15.2	15.1	15.0	14.9	14.8	14.6	14.5	14.4	14.3	14.1	14.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	20°	21.25°	22.5°	23.75°	25°	26.25°	27.5°	28.75°	30°	31.25°	32.5°
-78.75°	14.0	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.1	12.9	12.7
-80°	12.5	12.4	12.3	12.1	12.0	11.8	11.7	11.5	11.3	11.2	11.0
-81.25°	10.6	10.5	10.4	10.3	10.2	10.0	9.9	9.8	9.6	9.5	9.3
-82.5°	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0
-83.75°	7.4	7.4	7.3	7.2	7.1	7.1	7.0	6.9	6.8	6.7	6.6
-85°	5.9	5.9	5.8	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.3
-86.25°	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
-87.5°	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
-88.75°	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
86.25°	4.0	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
85°	5.3	5.2	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4
83.75°	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5
82.5°	7.9	7.8	7.6	7.5	7.4	7.2	7.1	7.0	6.8	6.7	6.5
81.25°	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6
80°	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3	9.1	8.9	8.7
78.75°	12.4	12.2	12.0	11.7	11.5	11.3	11.0	10.7	10.5	10.2	9.9
77.5°	13.9	13.7	13.6	13.3	13.0	12.8	12.5	12.2	11.9	11.6	11.3
76.25°	14.8	14.7	14.5	14.3	14.2	14.0	13.8	13.6	13.3	13.0	12.6
75°	15.8	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0	13.8
73.75°	16.5	16.4	16.2	16.1	16.0	15.8	15.6	15.3	15.1	14.9	14.6
72.5°	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.1	15.9	15.7	15.4
71.25°	18.0	17.7	17.4	17.3	17.1	17.0	16.8	16.6	16.5	16.3	16.1
70°	19.3	19.0	18.7	18.4	18.0	17.6	17.3	17.2	17.0	16.8	16.6
68.75°	20.7	20.3	20.0	19.6	19.2	18.8	18.4	18.0	17.6	17.3	17.1
67.5°	23.0	22.3	21.7	21.0	20.4	20.0	19.6	19.2	18.7	18.3	17.8
66.25°	25.2	24.5	23.9	23.1	22.4	21.7	20.9	20.3	19.8	19.4	18.9
65°	27.5	26.8	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.5	20.0
63.75°	29.7	28.9	28.2	27.4	26.6	25.8	24.9	24.0	23.1	22.2	21.3
62.5°	31.9	31.1	30.3	29.5	28.6	27.8	26.9	26.0	25.0	24.1	23.1
61.25°	34.8	33.7	32.6	31.6	30.7	29.8	28.8	27.9	26.9	25.9	24.9
60°	37.6	36.5	35.4	34.2	33.0	31.8	30.8	29.8	28.8	27.8	26.7
58.75°	40.1	39.2	38.1	36.9	35.6	34.3	33.0	31.7	30.6	29.5	28.5
57.5°	42.3	41.3	40.4	39.4	38.2	36.9	35.5	34.1	32.7	31.3	30.2
56.25°	44.4	43.5	42.5	41.4	40.4	39.3	38.0	36.5	35.0	33.5	32.0
55°	46.0	45.2	44.5	43.4	42.4	41.2	40.1	38.9	37.4	35.8	34.2
53.75°	47.5	46.8	46.0	45.2	44.3	43.2	42.0	40.8	39.5	38.1	36.4
52.5°	49.0	48.3	47.4	46.6	45.8	44.9	43.8	42.6	41.3	40.0	38.6
51.25°	50.5	49.7	48.9	48.0	47.2	46.2	45.3	44.4	43.0	41.7	40.3
50°	52.0	51.2	50.3	49.4	48.5	47.6	46.6	45.7	44.7	43.4	42.0
48.75°	53.5	52.6	51.7	50.8	49.9	48.9	47.9	46.9	45.9	44.9	43.6
47.5°	55.0	54.1	53.1	52.2	51.2	50.2	49.2	48.2	47.1	46.1	45.0
46.25°	56.4	55.5	54.5	53.5	52.5	51.5	50.5	49.4	48.3	47.2	46.1
45°	57.3	56.7	55.9	54.9	53.8	52.8	51.7	50.6	49.5	48.4	47.2
43.75°	58.1	57.5	56.9	56.2	55.2	54.1	52.9	51.8	50.7	49.5	48.3
42.5°	58.8	58.4	57.7	57.1	56.4	55.3	54.2	53.0	51.8	50.6	49.4
41.25°	59.1	58.9	58.5	57.9	57.2	56.5	55.4	54.2	52.9	51.7	50.5
40°	59.4	59.1	58.9	58.6	57.9	57.2	56.5	55.3	54.1	52.8	51.5
38.75°	59.8	59.4	59.2	58.9	58.7	57.9	57.2	56.4	55.2	53.8	52.5
37.5°	60.3	59.8	59.4	59.2	58.9	58.6	57.9	57.1	56.2	54.9	53.5
36.25°	60.8	60.4	59.9	59.4	59.2	58.9	58.5	57.7	56.9	55.9	54.5
35°	61.2	60.9	60.4	59.8	59.4	59.1	58.9	58.4	57.5	56.7	55.5



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
33.75°	61.4	61.2	60.8	60.3	59.8	59.4	59.1	58.8	58.1	57.3	56.4
32.5°	61.7	61.4	61.2	60.8	60.2	59.7	59.3	59.0	58.7	57.8	56.9
31.25°	62.0	61.6	61.4	61.2	60.7	60.1	59.5	59.2	58.9	58.4	57.5
30°	62.5	61.9	61.6	61.4	61.1	60.5	59.9	59.4	59.1	58.8	58.0
28.75°	63.0	62.4	61.8	61.5	61.3	60.9	60.3	59.7	59.3	59.0	58.5
27.5°	63.4	62.8	62.2	61.7	61.5	61.2	60.7	60.0	59.5	59.1	58.8
26.25°	63.9	63.3	62.6	62.0	61.6	61.4	61.0	60.4	59.7	59.3	59.0
25°	64.3	63.7	63.1	62.4	61.8	61.5	61.2	60.7	60.1	59.5	59.1
23.75°	64.7	64.1	63.4	62.8	62.2	61.7	61.4	61.1	60.4	59.7	59.3
22.5°	65.2	64.5	63.8	63.2	62.5	61.8	61.5	61.2	60.7	60.0	59.4
21.25°	66.0	64.9	64.2	63.5	62.8	62.2	61.7	61.4	61.0	60.3	59.6
20°	66.8	65.4	64.5	63.8	63.2	62.5	61.8	61.5	61.2	60.6	59.8
18.75°	67.5	66.1	64.9	64.2	63.5	62.8	62.1	61.6	61.3	60.8	60.1
17.5°	68.2	66.8	65.4	64.5	63.8	63.0	62.3	61.7	61.4	61.0	60.3
16.25°	69.7	67.4	65.9	64.8	64.0	63.3	62.6	61.8	61.5	61.2	60.5
15°	71.1	67.9	66.5	65.0	64.3	63.5	62.8	62.1	61.6	61.3	60.7
13.75°	72.5	68.9	67.0	65.5	64.5	63.8	63.0	62.3	61.7	61.3	60.9
12.5°	73.8	70.1	67.5	66.0	64.7	64.0	63.2	62.5	61.8	61.4	61.1
11.25°	75.0	71.2	67.9	66.4	64.9	64.2	63.4	62.6	61.9	61.5	61.2
10°	76.0	72.2	68.4	66.8	65.2	64.3	63.6	62.8	62.0	61.6	61.2
8.75°	78.5	73.1	69.3	67.1	65.5	64.5	63.7	62.9	62.2	61.6	61.3
7.5°	80.9	73.9	70.1	67.4	65.8	64.6	63.8	63.1	62.3	61.7	61.3
6.25°	82.9	74.6	70.7	67.6	66.1	64.7	64.0	63.2	62.4	61.7	61.4
5°	84.6	75.1	71.2	67.8	66.3	64.8	64.0	63.2	62.5	61.7	61.4
3.75°	85.9	75.5	71.6	68.0	66.4	64.9	64.1	63.3	62.5	61.8	61.4
2.5°	86.8	75.9	71.9	68.1	66.5	65.0	64.2	63.4	62.6	61.8	61.4
1.25°	87.4	76.0	72.1	68.2	66.6	65.0	64.2	63.4	62.6	61.8	61.4
0°	87.6	76.1	72.2	68.2	66.6	65.0	64.2	63.4	62.6	61.8	61.5
-1.25°	87.4	76.0	72.1	68.2	66.6	65.0	64.2	63.4	62.6	61.8	61.4
-2.5°	86.8	75.9	71.9	68.1	66.5	65.0	64.2	63.4	62.6	61.8	61.4
-3.75°	85.9	75.5	71.6	68.0	66.4	64.9	64.1	63.3	62.5	61.8	61.4
-5°	84.6	75.1	71.2	67.8	66.3	64.8	64.0	63.2	62.5	61.7	61.4
-6.25°	82.9	74.6	70.7	67.6	66.1	64.7	64.0	63.2	62.4	61.7	61.4
-7.5°	80.9	73.9	70.1	67.4	65.8	64.6	63.8	63.1	62.3	61.7	61.3
-8.75°	78.5	73.1	69.3	67.1	65.5	64.5	63.7	62.9	62.2	61.6	61.3
-10°	76.0	72.2	68.4	66.8	65.2	64.3	63.6	62.8	62.0	61.6	61.2
-11.25°	75.0	71.2	67.9	66.4	64.9	64.2	63.4	62.6	61.9	61.5	61.2
-12.5°	73.8	70.1	67.5	66.0	64.7	64.0	63.2	62.5	61.8	61.4	61.1
-13.75°	72.5	68.9	67.0	65.5	64.5	63.8	63.0	62.3	61.7	61.3	60.9
-15°	71.1	67.9	66.5	65.0	64.3	63.5	62.8	62.1	61.6	61.3	60.7
-16.25°	69.7	67.4	65.9	64.8	64.0	63.3	62.6	61.8	61.5	61.2	60.5
-17.5°	68.2	66.8	65.4	64.5	63.8	63.0	62.3	61.7	61.4	61.0	60.3
-18.75°	67.5	66.1	64.9	64.2	63.5	62.8	62.1	61.6	61.3	60.8	60.1
-20°	66.8	65.4	64.5	63.8	63.2	62.5	61.8	61.5	61.2	60.6	59.8
-21.25°	66.0	64.9	64.2	63.5	62.8	62.2	61.7	61.4	61.0	60.3	59.6



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-22.5°	65.2	64.5	63.8	63.2	62.5	61.8	61.5	61.2	60.7	60.0	59.4
-23.75°	64.7	64.1	63.4	62.8	62.2	61.7	61.4	61.1	60.4	59.7	59.3
-25°	64.3	63.7	63.1	62.4	61.8	61.5	61.2	60.7	60.1	59.5	59.1
-26.25°	63.9	63.3	62.6	62.0	61.6	61.4	61.0	60.4	59.7	59.3	59.0
-27.5°	63.4	62.8	62.2	61.7	61.5	61.2	60.7	60.0	59.5	59.1	58.8
-28.75°	63.0	62.4	61.8	61.5	61.3	60.9	60.3	59.7	59.3	59.0	58.5
-30°	62.5	61.9	61.6	61.4	61.1	60.5	59.9	59.4	59.1	58.8	58.0
-31.25°	62.0	61.6	61.4	61.2	60.7	60.1	59.5	59.2	58.9	58.4	57.5
-32.5°	61.7	61.4	61.2	60.8	60.2	59.7	59.3	59.0	58.7	57.8	56.9
-33.75°	61.4	61.2	60.8	60.3	59.8	59.4	59.1	58.8	58.1	57.3	56.4
-35°	61.2	60.9	60.4	59.8	59.4	59.1	58.9	58.4	57.5	56.7	55.5
-36.25°	60.8	60.4	59.9	59.4	59.2	58.9	58.5	57.7	56.9	55.9	54.5
-37.5°	60.3	59.8	59.4	59.2	58.9	58.6	57.9	57.1	56.2	54.9	53.5
-38.75°	59.8	59.4	59.2	58.9	58.7	57.9	57.2	56.4	55.2	53.8	52.5
-40°	59.4	59.1	58.9	58.6	57.9	57.2	56.5	55.3	54.1	52.8	51.5
-41.25°	59.1	58.9	58.5	57.9	57.2	56.5	55.4	54.2	52.9	51.7	50.5
-42.5°	58.8	58.4	57.7	57.1	56.4	55.3	54.2	53.0	51.8	50.6	49.4
-43.75°	58.1	57.5	56.9	56.2	55.2	54.1	52.9	51.8	50.7	49.5	48.3
-45°	57.3	56.7	55.9	54.9	53.8	52.8	51.7	50.6	49.5	48.4	47.2
-46.25°	56.4	55.5	54.5	53.5	52.5	51.5	50.5	49.4	48.3	47.2	46.1
-47.5°	55.0	54.1	53.1	52.2	51.2	50.2	49.2	48.2	47.1	46.1	45.0
-48.75°	53.5	52.6	51.7	50.8	49.9	48.9	47.9	46.9	45.9	44.9	43.6
-50°	52.0	51.2	50.3	49.4	48.5	47.6	46.6	45.7	44.7	43.4	42.0
-51.25°	50.5	49.7	48.9	48.0	47.2	46.2	45.3	44.4	43.0	41.7	40.3
-52.5°	49.0	48.3	47.4	46.6	45.8	44.9	43.8	42.6	41.3	40.0	38.6
-53.75°	47.5	46.8	46.0	45.2	44.3	43.2	42.0	40.8	39.5	38.1	36.4
-55°	46.0	45.2	44.5	43.4	42.4	41.2	40.1	38.9	37.4	35.8	34.2
-56.25°	44.4	43.5	42.5	41.4	40.4	39.3	38.0	36.5	35.0	33.5	32.0
-57.5°	42.3	41.3	40.4	39.4	38.2	36.9	35.5	34.1	32.7	31.3	30.2
-58.75°	40.1	39.2	38.1	36.9	35.6	34.3	33.0	31.7	30.6	29.5	28.5
-60°	37.6	36.5	35.4	34.2	33.0	31.8	30.8	29.8	28.8	27.8	26.7
-61.25°	34.8	33.7	32.6	31.6	30.7	29.8	28.8	27.9	26.9	25.9	24.9
-62.5°	31.9	31.1	30.3	29.5	28.6	27.8	26.9	26.0	25.0	24.1	23.1
-63.75°	29.7	28.9	28.2	27.4	26.6	25.8	24.9	24.0	23.1	22.2	21.3
-65°	27.5	26.8	26.0	25.3	24.5	23.7	22.9	22.1	21.2	20.5	20.0
-66.25°	25.2	24.5	23.9	23.1	22.4	21.7	20.9	20.3	19.8	19.4	18.9
-67.5°	23.0	22.3	21.7	21.0	20.4	20.0	19.6	19.2	18.7	18.3	17.8
-68.75°	20.7	20.3	20.0	19.6	19.2	18.8	18.4	18.0	17.6	17.3	17.1
-70°	19.3	19.0	18.7	18.4	18.0	17.6	17.3	17.2	17.0	16.8	16.6
-71.25°	18.0	17.7	17.4	17.3	17.1	17.0	16.8	16.6	16.5	16.3	16.1
-72.5°	17.1	17.0	16.8	16.7	16.5	16.4	16.2	16.1	15.9	15.7	15.4
-73.75°	16.5	16.4	16.2	16.1	16.0	15.8	15.6	15.3	15.1	14.9	14.6
-75°	15.8	15.7	15.5	15.3	15.1	14.9	14.7	14.5	14.2	14.0	13.8
-76.25°	14.8	14.7	14.5	14.3	14.2	14.0	13.8	13.6	13.3	13.0	12.6
-77.5°	13.9	13.7	13.6	13.3	13.0	12.8	12.5	12.2	11.9	11.6	11.3



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	33.75°	35°	36.25°	37.5°	38.75°	40°	41.25°	42.5°	43.75°	45°	46.25°
-78.75°	12.4	12.2	12.0	11.7	11.5	11.3	11.0	10.7	10.5	10.2	9.9
-80°	10.8	10.6	10.4	10.2	10.0	9.7	9.5	9.3	9.1	8.9	8.7
-81.25°	9.2	9.1	8.9	8.8	8.6	8.5	8.3	8.1	8.0	7.8	7.6
-82.5°	7.9	7.8	7.6	7.5	7.4	7.2	7.1	7.0	6.8	6.7	6.5
-83.75°	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5
-85°	5.3	5.2	5.1	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4
-86.25°	4.0	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.3
-87.5°	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.2
-88.75°	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
85°	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2
83.75°	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.1	4.0
82.5°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
81.25°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5
80°	8.5	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.8	6.5	6.3
78.75°	9.6	9.4	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.1
77.5°	11.0	10.6	10.3	10.0	9.6	9.3	9.0	8.7	8.4	8.2	7.9
76.25°	12.3	11.9	11.6	11.2	10.8	10.4	10.0	9.6	9.3	9.0	8.6
75°	13.6	13.2	12.8	12.4	12.0	11.6	11.2	10.7	10.3	9.8	9.4
73.75°	14.4	14.1	13.8	13.6	13.2	12.7	12.3	11.8	11.3	10.9	10.4
72.5°	15.2	14.9	14.6	14.3	14.0	13.7	13.4	12.9	12.4	11.9	11.3
71.25°	15.9	15.6	15.3	15.0	14.7	14.4	14.1	13.8	13.4	12.9	12.3
70°	16.4	16.2	16.0	15.8	15.4	15.1	14.8	14.4	14.1	13.7	13.3
68.75°	16.9	16.7	16.5	16.3	16.0	15.8	15.4	15.1	14.7	14.3	13.9
67.5°	17.4	17.2	16.9	16.7	16.5	16.2	16.0	15.7	15.3	14.9	14.5
66.25°	18.4	17.9	17.4	17.2	16.9	16.7	16.4	16.2	15.9	15.5	15.1
65°	19.4	18.9	18.4	17.8	17.3	17.1	16.8	16.5	16.3	16.0	15.6
63.75°	20.5	19.9	19.3	18.8	18.2	17.6	17.2	16.9	16.6	16.4	16.1
62.5°	22.1	21.1	20.3	19.7	19.1	18.5	17.9	17.3	17.0	16.7	16.4
61.25°	23.9	22.8	21.7	20.6	20.0	19.4	18.7	18.0	17.4	17.1	16.7
60°	25.6	24.5	23.4	22.3	21.1	20.2	19.5	18.8	18.1	17.4	17.1
58.75°	27.3	26.2	25.0	23.8	22.6	21.4	20.4	19.6	18.9	18.2	17.4
57.5°	29.0	27.8	26.6	25.4	24.2	22.9	21.6	20.4	19.7	18.9	18.1
56.25°	30.7	29.5	28.2	27.0	25.7	24.4	23.0	21.7	20.4	19.6	18.8
55°	32.6	31.1	29.8	28.5	27.2	25.8	24.4	23.0	21.6	20.4	19.5
53.75°	34.7	33.0	31.3	30.0	28.6	27.2	25.8	24.4	22.9	21.4	20.2
52.5°	36.8	35.1	33.2	31.5	30.1	28.6	27.2	25.7	24.2	22.6	21.1
51.25°	38.9	37.1	35.2	33.3	31.5	30.0	28.5	27.0	25.4	23.8	22.3
50°	40.5	39.1	37.2	35.2	33.2	31.3	29.8	28.2	26.6	25.0	23.4
48.75°	42.1	40.6	39.1	37.1	35.1	33.0	31.1	29.5	27.8	26.2	24.5
47.5°	43.6	42.1	40.5	38.9	36.8	34.7	32.6	30.7	29.0	27.3	25.6
46.25°	45.0	43.6	42.0	40.3	38.6	36.4	34.2	32.0	30.2	28.5	26.7
45°	46.1	44.9	43.4	41.7	40.0	38.1	35.8	33.5	31.3	29.5	27.8
43.75°	47.1	45.9	44.7	43.0	41.3	39.5	37.4	35.0	32.7	30.6	28.8
42.5°	48.2	46.9	45.7	44.4	42.6	40.8	38.9	36.5	34.1	31.7	29.8
41.25°	49.2	47.9	46.6	45.3	43.8	42.0	40.1	38.0	35.5	33.0	30.8
40°	50.2	48.9	47.6	46.2	44.9	43.2	41.2	39.3	36.9	34.3	31.8
38.75°	51.2	49.9	48.5	47.2	45.8	44.3	42.4	40.4	38.2	35.6	33.0
37.5°	52.2	50.8	49.4	48.0	46.6	45.2	43.4	41.4	39.4	36.9	34.2
36.25°	53.1	51.7	50.3	48.9	47.4	46.0	44.5	42.5	40.4	38.1	35.4
35°	54.1	52.6	51.2	49.7	48.3	46.8	45.2	43.5	41.3	39.2	36.5

REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
33.75°	55.0	53.5	52.0	50.5	49.0	47.5	46.0	44.4	42.3	40.1	37.6
32.5°	55.9	54.4	52.8	51.3	49.8	48.3	46.7	45.1	43.2	41.0	38.7
31.25°	56.6	55.2	53.6	52.1	50.5	49.0	47.4	45.8	44.1	41.8	39.6
30°	57.1	56.0	54.4	52.8	51.2	49.7	48.1	46.4	44.8	42.6	40.3
28.75°	57.6	56.6	55.2	53.6	51.9	50.3	48.7	47.0	45.4	43.4	41.1
27.5°	58.0	57.1	55.9	54.3	52.6	50.9	49.3	47.6	45.9	44.2	41.8
26.25°	58.5	57.5	56.5	54.9	53.2	51.6	49.9	48.2	46.5	44.8	42.5
25°	58.8	57.9	56.9	55.6	53.9	52.2	50.5	48.8	47.0	45.3	43.2
23.75°	58.9	58.3	57.3	56.2	54.5	52.7	51.0	49.3	47.5	45.8	43.8
22.5°	59.1	58.7	57.7	56.6	55.1	53.3	51.5	49.8	48.0	46.2	44.4
21.25°	59.2	58.8	58.0	57.0	55.6	53.8	52.0	50.2	48.5	46.7	44.8
20°	59.3	59.0	58.4	57.3	56.1	54.3	52.5	50.7	48.9	47.1	45.2
18.75°	59.4	59.1	58.7	57.6	56.5	54.8	52.9	51.1	49.3	47.5	45.6
17.5°	59.6	59.2	58.8	57.9	56.8	55.2	53.4	51.5	49.7	47.8	46.0
16.25°	59.8	59.3	58.9	58.2	57.0	55.6	53.8	51.9	50.0	48.2	46.3
15°	60.0	59.4	59.0	58.4	57.3	56.0	54.1	52.2	50.4	48.5	46.6
13.75°	60.1	59.4	59.1	58.6	57.5	56.4	54.5	52.6	50.7	48.8	46.9
12.5°	60.3	59.5	59.1	58.8	57.7	56.5	54.8	52.9	51.0	49.1	47.2
11.25°	60.5	59.7	59.2	58.8	57.9	56.7	55.1	53.1	51.2	49.3	47.4
10°	60.6	59.8	59.3	58.9	58.1	56.9	55.3	53.4	51.4	49.5	47.6
8.75°	60.7	59.9	59.3	58.9	58.2	57.0	55.6	53.6	51.6	49.7	47.8
7.5°	60.8	60.0	59.4	59.0	58.3	57.2	55.8	53.8	51.8	49.9	47.9
6.25°	60.9	60.1	59.4	59.0	58.4	57.3	55.9	53.9	52.0	50.0	48.1
5°	61.0	60.2	59.4	59.0	58.5	57.3	56.1	54.1	52.1	50.1	48.2
3.75°	61.0	60.2	59.5	59.1	58.6	57.4	56.2	54.2	52.2	50.2	48.3
2.5°	61.1	60.3	59.5	59.1	58.7	57.5	56.2	54.2	52.2	50.3	48.3
1.25°	61.1	60.3	59.5	59.1	58.7	57.5	56.3	54.3	52.3	50.3	48.4
0°	61.1	60.3	59.5	59.1	58.7	57.5	56.3	54.3	52.3	50.4	48.4
-1.25°	61.1	60.3	59.5	59.1	58.7	57.5	56.3	54.3	52.3	50.3	48.4
-2.5°	61.1	60.3	59.5	59.1	58.7	57.5	56.2	54.2	52.2	50.3	48.3
-3.75°	61.0	60.2	59.5	59.1	58.6	57.4	56.2	54.2	52.2	50.2	48.3
-5°	61.0	60.2	59.4	59.0	58.5	57.3	56.1	54.1	52.1	50.1	48.2
-6.25°	60.9	60.1	59.4	59.0	58.4	57.3	55.9	53.9	52.0	50.0	48.1
-7.5°	60.8	60.0	59.4	59.0	58.3	57.2	55.8	53.8	51.8	49.9	47.9
-8.75°	60.7	59.9	59.3	58.9	58.2	57.0	55.6	53.6	51.6	49.7	47.8
-10°	60.6	59.8	59.3	58.9	58.1	56.9	55.3	53.4	51.4	49.5	47.6
-11.25°	60.5	59.7	59.2	58.8	57.9	56.7	55.1	53.1	51.2	49.3	47.4
-12.5°	60.3	59.5	59.1	58.8	57.7	56.5	54.8	52.9	51.0	49.1	47.2
-13.75°	60.1	59.4	59.1	58.6	57.5	56.4	54.5	52.6	50.7	48.8	46.9
-15°	60.0	59.4	59.0	58.4	57.3	56.0	54.1	52.2	50.4	48.5	46.6
-16.25°	59.8	59.3	58.9	58.2	57.0	55.6	53.8	51.9	50.0	48.2	46.3
-17.5°	59.6	59.2	58.8	57.9	56.8	55.2	53.4	51.5	49.7	47.8	46.0
-18.75°	59.4	59.1	58.7	57.6	56.5	54.8	52.9	51.1	49.3	47.5	45.6
-20°	59.3	59.0	58.4	57.3	56.1	54.3	52.5	50.7	48.9	47.1	45.2
-21.25°	59.2	58.8	58.0	57.0	55.6	53.8	52.0	50.2	48.5	46.7	44.8



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-22.5°	59.1	58.7	57.7	56.6	55.1	53.3	51.5	49.8	48.0	46.2	44.4
-23.75°	58.9	58.3	57.3	56.2	54.5	52.7	51.0	49.3	47.5	45.8	43.8
-25°	58.8	57.9	56.9	55.6	53.9	52.2	50.5	48.8	47.0	45.3	43.2
-26.25°	58.5	57.5	56.5	54.9	53.2	51.6	49.9	48.2	46.5	44.8	42.5
-27.5°	58.0	57.1	55.9	54.3	52.6	50.9	49.3	47.6	45.9	44.2	41.8
-28.75°	57.6	56.6	55.2	53.6	51.9	50.3	48.7	47.0	45.4	43.4	41.1
-30°	57.1	56.0	54.4	52.8	51.2	49.7	48.1	46.4	44.8	42.6	40.3
-31.25°	56.6	55.2	53.6	52.1	50.5	49.0	47.4	45.8	44.1	41.8	39.6
-32.5°	55.9	54.4	52.8	51.3	49.8	48.3	46.7	45.1	43.2	41.0	38.7
-33.75°	55.0	53.5	52.0	50.5	49.0	47.5	46.0	44.4	42.3	40.1	37.6
-35°	54.1	52.6	51.2	49.7	48.3	46.8	45.2	43.5	41.3	39.2	36.5
-36.25°	53.1	51.7	50.3	48.9	47.4	46.0	44.5	42.5	40.4	38.1	35.4
-37.5°	52.2	50.8	49.4	48.0	46.6	45.2	43.4	41.4	39.4	36.9	34.2
-38.75°	51.2	49.9	48.5	47.2	45.8	44.3	42.4	40.4	38.2	35.6	33.0
-40°	50.2	48.9	47.6	46.2	44.9	43.2	41.2	39.3	36.9	34.3	31.8
-41.25°	49.2	47.9	46.6	45.3	43.8	42.0	40.1	38.0	35.5	33.0	30.8
-42.5°	48.2	46.9	45.7	44.4	42.6	40.8	38.9	36.5	34.1	31.7	29.8
-43.75°	47.1	45.9	44.7	43.0	41.3	39.5	37.4	35.0	32.7	30.6	28.8
-45°	46.1	44.9	43.4	41.7	40.0	38.1	35.8	33.5	31.3	29.5	27.8
-46.25°	45.0	43.6	42.0	40.3	38.6	36.4	34.2	32.0	30.2	28.5	26.7
-47.5°	43.6	42.1	40.5	38.9	36.8	34.7	32.6	30.7	29.0	27.3	25.6
-48.75°	42.1	40.6	39.1	37.1	35.1	33.0	31.1	29.5	27.8	26.2	24.5
-50°	40.5	39.1	37.2	35.2	33.2	31.3	29.8	28.2	26.6	25.0	23.4
-51.25°	38.9	37.1	35.2	33.3	31.5	30.0	28.5	27.0	25.4	23.8	22.3
-52.5°	36.8	35.1	33.2	31.5	30.1	28.6	27.2	25.7	24.2	22.6	21.1
-53.75°	34.7	33.0	31.3	30.0	28.6	27.2	25.8	24.4	22.9	21.4	20.2
-55°	32.6	31.1	29.8	28.5	27.2	25.8	24.4	23.0	21.6	20.4	19.5
-56.25°	30.7	29.5	28.2	27.0	25.7	24.4	23.0	21.7	20.4	19.6	18.8
-57.5°	29.0	27.8	26.6	25.4	24.2	22.9	21.6	20.4	19.7	18.9	18.1
-58.75°	27.3	26.2	25.0	23.8	22.6	21.4	20.4	19.6	18.9	18.2	17.4
-60°	25.6	24.5	23.4	22.3	21.1	20.2	19.5	18.8	18.1	17.4	17.1
-61.25°	23.9	22.8	21.7	20.6	20.0	19.4	18.7	18.0	17.4	17.1	16.7
-62.5°	22.1	21.1	20.3	19.7	19.1	18.5	17.9	17.3	17.0	16.7	16.4
-63.75°	20.5	19.9	19.3	18.8	18.2	17.6	17.2	16.9	16.6	16.4	16.1
-65°	19.4	18.9	18.4	17.8	17.3	17.1	16.8	16.5	16.3	16.0	15.6
-66.25°	18.4	17.9	17.4	17.2	16.9	16.7	16.4	16.2	15.9	15.5	15.1
-67.5°	17.4	17.2	16.9	16.7	16.5	16.2	16.0	15.7	15.3	14.9	14.5
-68.75°	16.9	16.7	16.5	16.3	16.0	15.8	15.4	15.1	14.7	14.3	13.9
-70°	16.4	16.2	16.0	15.8	15.4	15.1	14.8	14.4	14.1	13.7	13.3
-71.25°	15.9	15.6	15.3	15.0	14.7	14.4	14.1	13.8	13.4	12.9	12.3
-72.5°	15.2	14.9	14.6	14.3	14.0	13.7	13.4	12.9	12.4	11.9	11.3
-73.75°	14.4	14.1	13.8	13.6	13.2	12.7	12.3	11.8	11.3	10.9	10.4
-75°	13.6	13.2	12.8	12.4	12.0	11.6	11.2	10.7	10.3	9.8	9.4
-76.25°	12.3	11.9	11.6	11.2	10.8	10.4	10.0	9.6	9.3	9.0	8.6
-77.5°	11.0	10.6	10.3	10.0	9.6	9.3	9.0	8.7	8.4	8.2	7.9



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	47.5°	48.75°	50°	51.25°	52.5°	53.75°	55°	56.25°	57.5°	58.75°	60°
-78.75°	9.6	9.4	9.1	8.9	8.6	8.4	8.1	7.9	7.6	7.3	7.1
-80°	8.5	8.3	8.1	7.9	7.7	7.4	7.2	7.0	6.8	6.5	6.3
-81.25°	7.5	7.3	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.7	5.5
-82.5°	6.4	6.2	6.1	5.9	5.8	5.6	5.4	5.3	5.1	4.9	4.7
-83.75°	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.3	4.1	4.0
-85°	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.5	3.4	3.3	3.2
-86.25°	3.2	3.2	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5	2.4
-87.5°	2.2	2.1	2.1	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
-88.75°	1.1	1.1	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4
87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
83.75°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
82.5°	4.6	4.4	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7
81.25°	5.3	5.1	4.9	4.7	4.5	4.2	4.0	3.8	3.6	3.4	3.1
80°	6.0	5.8	5.6	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6
78.75°	6.8	6.5	6.2	6.0	5.7	5.4	5.1	4.8	4.6	4.3	4.0
77.5°	7.5	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4
76.25°	8.3	8.0	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.2	4.8
75°	9.1	8.7	8.3	7.9	7.6	7.2	6.8	6.4	6.0	5.6	5.3
73.75°	9.9	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.1	5.7
72.5°	10.8	10.3	9.7	9.2	8.8	8.4	7.9	7.5	7.0	6.5	6.1
71.25°	11.7	11.2	10.6	10.0	9.4	8.9	8.5	8.0	7.5	7.0	6.5
70°	12.6	12.0	11.4	10.8	10.2	9.5	9.0	8.5	8.0	7.5	6.9
68.75°	13.5	12.9	12.3	11.6	10.9	10.3	9.6	9.0	8.5	7.9	7.4
67.5°	14.1	13.7	13.1	12.4	11.7	11.0	10.3	9.5	8.9	8.4	7.8
66.25°	14.6	14.2	13.8	13.2	12.4	11.7	10.9	10.2	9.4	8.8	8.2
65°	15.2	14.7	14.2	13.8	13.2	12.4	11.6	10.8	10.0	9.2	8.6
63.75°	15.7	15.2	14.7	14.2	13.8	13.1	12.3	11.4	10.6	9.7	9.0
62.5°	16.1	15.7	15.2	14.7	14.2	13.7	12.9	12.0	11.2	10.3	9.4
61.25°	16.4	16.1	15.7	15.2	14.6	14.1	13.5	12.6	11.7	10.8	9.9
60°	16.7	16.4	16.1	15.6	15.1	14.5	13.9	13.3	12.3	11.3	10.4
58.75°	17.1	16.7	16.4	16.0	15.5	14.9	14.3	13.7	12.9	11.9	10.9
57.5°	17.4	17.0	16.6	16.3	15.9	15.3	14.7	14.1	13.4	12.4	11.3
56.25°	18.0	17.3	16.9	16.5	16.2	15.7	15.1	14.4	13.8	12.9	11.8
55°	18.7	17.9	17.2	16.8	16.4	16.0	15.4	14.8	14.1	13.4	12.3
53.75°	19.4	18.5	17.6	17.1	16.7	16.2	15.8	15.1	14.4	13.7	12.7
52.5°	20.0	19.1	18.2	17.3	16.9	16.5	16.0	15.4	14.7	14.0	13.2
51.25°	20.6	19.7	18.8	17.8	17.2	16.7	16.3	15.8	15.0	14.3	13.6
50°	21.7	20.3	19.3	18.4	17.4	16.9	16.5	16.0	15.3	14.6	13.8
48.75°	22.8	21.1	19.9	18.9	17.9	17.2	16.7	16.2	15.6	14.9	14.1
47.5°	23.9	22.1	20.5	19.4	18.4	17.4	16.9	16.4	15.9	15.2	14.4
46.25°	24.9	23.1	21.3	20.0	18.9	17.8	17.1	16.6	16.1	15.4	14.6
45°	25.9	24.1	22.2	20.5	19.4	18.3	17.3	16.8	16.3	15.7	14.9
43.75°	26.9	25.0	23.1	21.2	19.8	18.7	17.6	17.0	16.5	15.9	15.1
42.5°	27.9	26.0	24.0	22.1	20.3	19.2	18.0	17.2	16.6	16.1	15.3
41.25°	28.8	26.9	24.9	22.9	20.9	19.6	18.4	17.3	16.8	16.2	15.6
40°	29.8	27.8	25.8	23.7	21.7	20.0	18.8	17.6	17.0	16.4	15.8
38.75°	30.7	28.6	26.6	24.5	22.4	20.4	19.2	18.0	17.1	16.5	16.0
37.5°	31.6	29.5	27.4	25.3	23.1	21.0	19.6	18.4	17.3	16.7	16.1
36.25°	32.6	30.3	28.2	26.0	23.9	21.7	20.0	18.7	17.4	16.8	16.2
35°	33.7	31.1	28.9	26.8	24.5	22.3	20.3	19.0	17.7	17.0	16.4



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
33.75°	34.8	31.9	29.7	27.5	25.2	23.0	20.7	19.3	18.0	17.1	16.5
32.5°	35.8	32.9	30.4	28.1	25.9	23.6	21.3	19.7	18.3	17.2	16.6
31.25°	36.8	33.9	31.1	28.8	26.5	24.2	21.8	20.0	18.6	17.3	16.7
30°	37.8	34.8	31.8	29.4	27.1	24.8	22.4	20.3	18.9	17.5	16.8
28.75°	38.7	35.7	32.6	30.0	27.7	25.3	22.9	20.5	19.2	17.8	16.9
27.5°	39.5	36.5	33.4	30.6	28.2	25.8	23.4	21.0	19.4	18.0	17.0
26.25°	40.1	37.4	34.2	31.2	28.8	26.4	23.9	21.4	19.6	18.2	17.1
25°	40.8	38.1	35.0	31.8	29.3	26.8	24.4	21.8	19.9	18.4	17.2
23.75°	41.4	38.9	35.7	32.4	29.8	27.3	24.8	22.3	20.1	18.6	17.3
22.5°	41.9	39.5	36.4	33.1	30.3	27.8	25.2	22.7	20.3	18.8	17.4
21.25°	42.5	40.0	37.0	33.7	30.7	28.2	25.6	23.0	20.5	19.0	17.6
20°	43.0	40.5	37.6	34.3	31.1	28.6	26.0	23.4	20.8	19.2	17.7
18.75°	43.5	40.9	38.2	34.8	31.5	28.9	26.4	23.7	21.1	19.4	17.9
17.5°	44.0	41.4	38.8	35.4	32.0	29.3	26.7	24.0	21.4	19.5	18.0
16.25°	44.4	41.8	39.2	35.8	32.4	29.6	27.0	24.3	21.7	19.7	18.1
15°	44.7	42.2	39.5	36.3	32.8	29.9	27.3	24.6	21.9	19.8	18.3
13.75°	45.0	42.5	39.9	36.7	33.2	30.2	27.5	24.9	22.2	19.9	18.4
12.5°	45.2	42.8	40.2	37.1	33.6	30.5	27.8	25.1	22.4	20.1	18.5
11.25°	45.4	43.1	40.5	37.4	33.9	30.7	28.0	25.3	22.6	20.2	18.6
10°	45.6	43.4	40.7	37.7	34.2	30.9	28.2	25.5	22.7	20.2	18.7
8.75°	45.8	43.6	40.9	38.0	34.5	31.1	28.4	25.7	22.9	20.3	18.8
7.5°	46.0	43.8	41.1	38.2	34.7	31.3	28.5	25.8	23.0	20.4	18.8
6.25°	46.1	44.0	41.3	38.4	34.9	31.4	28.7	25.9	23.1	20.5	18.9
5°	46.2	44.2	41.4	38.6	35.0	31.5	28.8	26.0	23.2	20.5	18.9
3.75°	46.3	44.3	41.5	38.7	35.1	31.6	28.8	26.1	23.3	20.6	19.0
2.5°	46.4	44.3	41.6	38.8	35.2	31.7	28.9	26.2	23.4	20.6	19.0
1.25°	46.4	44.4	41.6	38.9	35.3	31.7	28.9	26.2	23.4	20.6	19.0
0°	46.4	44.4	41.7	38.9	35.3	31.7	29.0	26.2	23.4	20.6	19.0
-1.25°	46.4	44.4	41.6	38.9	35.3	31.7	28.9	26.2	23.4	20.6	19.0
-2.5°	46.4	44.3	41.6	38.8	35.2	31.7	28.9	26.2	23.4	20.6	19.0
-3.75°	46.3	44.3	41.5	38.7	35.1	31.6	28.8	26.1	23.3	20.6	19.0
-5°	46.2	44.2	41.4	38.6	35.0	31.5	28.8	26.0	23.2	20.5	18.9
-6.25°	46.1	44.0	41.3	38.4	34.9	31.4	28.7	25.9	23.1	20.5	18.9
-7.5°	46.0	43.8	41.1	38.2	34.7	31.3	28.5	25.8	23.0	20.4	18.8
-8.75°	45.8	43.6	40.9	38.0	34.5	31.1	28.4	25.7	22.9	20.3	18.8
-10°	45.6	43.4	40.7	37.7	34.2	30.9	28.2	25.5	22.7	20.2	18.7
-11.25°	45.4	43.1	40.5	37.4	33.9	30.7	28.0	25.3	22.6	20.2	18.6
-12.5°	45.2	42.8	40.2	37.1	33.6	30.5	27.8	25.1	22.4	20.1	18.5
-13.75°	45.0	42.5	39.9	36.7	33.2	30.2	27.5	24.9	22.2	19.9	18.4
-15°	44.7	42.2	39.5	36.3	32.8	29.9	27.3	24.6	21.9	19.8	18.3
-16.25°	44.4	41.8	39.2	35.8	32.4	29.6	27.0	24.3	21.7	19.7	18.1
-17.5°	44.0	41.4	38.8	35.4	32.0	29.3	26.7	24.0	21.4	19.5	18.0
-18.75°	43.5	40.9	38.2	34.8	31.5	28.9	26.4	23.7	21.1	19.4	17.9
-20°	43.0	40.5	37.6	34.3	31.1	28.6	26.0	23.4	20.8	19.2	17.7
-21.25°	42.5	40.0	37.0	33.7	30.7	28.2	25.6	23.0	20.5	19.0	17.6



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-22.5°	41.9	39.5	36.4	33.1	30.3	27.8	25.2	22.7	20.3	18.8	17.4
-23.75°	41.4	38.9	35.7	32.4	29.8	27.3	24.8	22.3	20.1	18.6	17.3
-25°	40.8	38.1	35.0	31.8	29.3	26.8	24.4	21.8	19.9	18.4	17.2
-26.25°	40.1	37.4	34.2	31.2	28.8	26.4	23.9	21.4	19.6	18.2	17.1
-27.5°	39.5	36.5	33.4	30.6	28.2	25.8	23.4	21.0	19.4	18.0	17.0
-28.75°	38.7	35.7	32.6	30.0	27.7	25.3	22.9	20.5	19.2	17.8	16.9
-30°	37.8	34.8	31.8	29.4	27.1	24.8	22.4	20.3	18.9	17.5	16.8
-31.25°	36.8	33.9	31.1	28.8	26.5	24.2	21.8	20.0	18.6	17.3	16.7
-32.5°	35.8	32.9	30.4	28.1	25.9	23.6	21.3	19.7	18.3	17.2	16.6
-33.75°	34.8	31.9	29.7	27.5	25.2	23.0	20.7	19.3	18.0	17.1	16.5
-35°	33.7	31.1	28.9	26.8	24.5	22.3	20.3	19.0	17.7	17.0	16.4
-36.25°	32.6	30.3	28.2	26.0	23.9	21.7	20.0	18.7	17.4	16.8	16.2
-37.5°	31.6	29.5	27.4	25.3	23.1	21.0	19.6	18.4	17.3	16.7	16.1
-38.75°	30.7	28.6	26.6	24.5	22.4	20.4	19.2	18.0	17.1	16.5	16.0
-40°	29.8	27.8	25.8	23.7	21.7	20.0	18.8	17.6	17.0	16.4	15.8
-41.25°	28.8	26.9	24.9	22.9	20.9	19.6	18.4	17.3	16.8	16.2	15.6
-42.5°	27.9	26.0	24.0	22.1	20.3	19.2	18.0	17.2	16.6	16.1	15.3
-43.75°	26.9	25.0	23.1	21.2	19.8	18.7	17.6	17.0	16.5	15.9	15.1
-45°	25.9	24.1	22.2	20.5	19.4	18.3	17.3	16.8	16.3	15.7	14.9
-46.25°	24.9	23.1	21.3	20.0	18.9	17.8	17.1	16.6	16.1	15.4	14.6
-47.5°	23.9	22.1	20.5	19.4	18.4	17.4	16.9	16.4	15.9	15.2	14.4
-48.75°	22.8	21.1	19.9	18.9	17.9	17.2	16.7	16.2	15.6	14.9	14.1
-50°	21.7	20.3	19.3	18.4	17.4	16.9	16.5	16.0	15.3	14.6	13.8
-51.25°	20.6	19.7	18.8	17.8	17.2	16.7	16.3	15.8	15.0	14.3	13.6
-52.5°	20.0	19.1	18.2	17.3	16.9	16.5	16.0	15.4	14.7	14.0	13.2
-53.75°	19.4	18.5	17.6	17.1	16.7	16.2	15.8	15.1	14.4	13.7	12.7
-55°	18.7	17.9	17.2	16.8	16.4	16.0	15.4	14.8	14.1	13.4	12.3
-56.25°	18.0	17.3	16.9	16.5	16.2	15.7	15.1	14.4	13.8	12.9	11.8
-57.5°	17.4	17.0	16.6	16.3	15.9	15.3	14.7	14.1	13.4	12.4	11.3
-58.75°	17.1	16.7	16.4	16.0	15.5	14.9	14.3	13.7	12.9	11.9	10.9
-60°	16.7	16.4	16.1	15.6	15.1	14.5	13.9	13.3	12.3	11.3	10.4
-61.25°	16.4	16.1	15.7	15.2	14.6	14.1	13.5	12.6	11.7	10.8	9.9
-62.5°	16.1	15.7	15.2	14.7	14.2	13.7	12.9	12.0	11.2	10.3	9.4
-63.75°	15.7	15.2	14.7	14.2	13.8	13.1	12.3	11.4	10.6	9.7	9.0
-65°	15.2	14.7	14.2	13.8	13.2	12.4	11.6	10.8	10.0	9.2	8.6
-66.25°	14.6	14.2	13.8	13.2	12.4	11.7	10.9	10.2	9.4	8.8	8.2
-67.5°	14.1	13.7	13.1	12.4	11.7	11.0	10.3	9.5	8.9	8.4	7.8
-68.75°	13.5	12.9	12.3	11.6	10.9	10.3	9.6	9.0	8.5	7.9	7.4
-70°	12.6	12.0	11.4	10.8	10.2	9.5	9.0	8.5	8.0	7.5	6.9
-71.25°	11.7	11.2	10.6	10.0	9.4	8.9	8.5	8.0	7.5	7.0	6.5
-72.5°	10.8	10.3	9.7	9.2	8.8	8.4	7.9	7.5	7.0	6.5	6.1
-73.75°	9.9	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	6.1	5.7
-75°	9.1	8.7	8.3	7.9	7.6	7.2	6.8	6.4	6.0	5.6	5.3
-76.25°	8.3	8.0	7.6	7.3	6.9	6.6	6.2	5.9	5.5	5.2	4.8
-77.5°	7.5	7.2	6.9	6.6	6.3	6.0	5.7	5.4	5.0	4.7	4.4



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	61.25°	62.5°	63.75°	65°	66.25°	67.5°	68.75°	70°	71.25°	72.5°	73.75°
-78.75°	6.8	6.5	6.2	6.0	5.7	5.4	5.1	4.8	4.6	4.3	4.0
-80°	6.0	5.8	5.6	5.3	5.1	4.8	4.6	4.3	4.1	3.8	3.6
-81.25°	5.3	5.1	4.9	4.7	4.5	4.2	4.0	3.8	3.6	3.4	3.1
-82.5°	4.6	4.4	4.2	4.0	3.8	3.7	3.5	3.3	3.1	2.9	2.7
-83.75°	3.8	3.7	3.5	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2
-85°	3.1	3.0	2.8	2.7	2.6	2.4	2.3	2.2	2.1	1.9	1.8
-86.25°	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3
-87.5°	1.5	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0	1.0	0.9
-88.75°	0.8	0.7	0.7	0.7	0.6	0.6	0.6	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: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88.75°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
87.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
86.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
85°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
83.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
82.5°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
81.25°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
80°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
78.75°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
76.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
73.75°	5.3	4.8	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
72.5°	5.6	5.2	4.7	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.0
71.25°	6.0	5.5	5.0	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
70°	6.4	5.9	5.4	4.8	4.3	3.8	3.3	2.7	2.2	1.6	1.1
68.75°	6.8	6.2	5.7	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.2
67.5°	7.2	6.6	6.0	5.4	4.8	4.2	3.7	3.1	2.4	1.8	1.2
66.25°	7.6	6.9	6.3	5.7	5.1	4.5	3.8	3.2	2.6	1.9	1.3
65°	7.9	7.3	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.0	1.4
63.75°	8.3	7.6	6.9	6.2	5.6	4.9	4.2	3.5	2.8	2.1	1.4
62.5°	8.7	8.0	7.2	6.5	5.8	5.1	4.4	3.7	3.0	2.2	1.5
61.25°	9.1	8.3	7.5	6.8	6.0	5.3	4.6	3.8	3.1	2.3	1.5
60°	9.4	8.6	7.9	7.1	6.3	5.5	4.7	4.0	3.2	2.4	1.6
58.75°	9.8	9.0	8.2	7.3	6.5	5.7	4.9	4.1	3.3	2.5	1.7
57.5°	10.3	9.3	8.4	7.6	6.8	5.9	5.1	4.3	3.4	2.6	1.7
56.25°	10.7	9.6	8.7	7.9	7.0	6.1	5.3	4.4	3.5	2.7	1.8
55°	11.2	10.0	9.0	8.1	7.2	6.3	5.4	4.5	3.7	2.8	1.8
53.75°	11.6	10.4	9.3	8.4	7.4	6.5	5.6	4.7	3.8	2.8	1.9
52.5°	12.0	10.8	9.6	8.6	7.7	6.7	5.8	4.8	3.9	2.9	1.9
51.25°	12.4	11.2	10.0	8.9	7.9	6.9	5.9	4.9	4.0	3.0	2.0
50°	12.8	11.6	10.3	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1
48.75°	13.2	11.9	10.6	9.4	8.3	7.3	6.2	5.2	4.2	3.2	2.1
47.5°	13.6	12.3	11.0	9.6	8.5	7.5	6.4	5.3	4.3	3.2	2.2
46.25°	13.8	12.6	11.3	9.9	8.7	7.6	6.5	5.5	4.4	3.3	2.2
45°	14.0	13.0	11.6	10.2	8.9	7.8	6.7	5.6	4.5	3.4	2.3
43.75°	14.2	13.3	11.9	10.5	9.1	8.0	6.8	5.7	4.6	3.5	2.3
42.5°	14.5	13.6	12.2	10.7	9.3	8.1	7.0	5.8	4.7	3.5	2.4
41.25°	14.7	13.8	12.5	11.0	9.5	8.3	7.1	5.9	4.8	3.6	2.4
40°	14.9	14.0	12.8	11.3	9.7	8.5	7.2	6.0	4.8	3.7	2.5
38.75°	15.1	14.2	13.0	11.5	10.0	8.6	7.4	6.1	4.9	3.7	2.5
37.5°	15.3	14.3	13.3	11.7	10.2	8.8	7.5	6.2	5.0	3.8	2.5
36.25°	15.5	14.5	13.6	12.0	10.4	8.9	7.6	6.3	5.1	3.8	2.6
35°	15.7	14.7	13.7	12.2	10.6	9.1	7.8	6.4	5.2	3.9	2.6



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
33.75°	15.8	14.8	13.9	12.4	10.8	9.2	7.9	6.5	5.3	4.0	2.7
32.5°	16.0	15.0	14.0	12.7	11.0	9.3	8.0	6.6	5.3	4.0	2.7
31.25°	16.1	15.2	14.1	12.9	11.2	9.5	8.1	6.7	5.4	4.1	2.7
30°	16.2	15.3	14.3	13.1	11.3	9.6	8.2	6.8	5.5	4.1	2.8
28.75°	16.3	15.4	14.4	13.3	11.5	9.8	8.3	6.9	5.5	4.2	2.8
27.5°	16.4	15.6	14.5	13.4	11.7	9.9	8.4	7.0	5.6	4.2	2.8
26.25°	16.5	15.7	14.6	13.6	11.8	10.0	8.5	7.1	5.7	4.3	2.9
25°	16.5	15.8	14.8	13.7	12.0	10.2	8.6	7.1	5.7	4.3	2.9
23.75°	16.6	15.9	14.9	13.8	12.1	10.3	8.7	7.2	5.8	4.4	2.9
22.5°	16.7	16.0	15.0	13.9	12.3	10.4	8.8	7.3	5.8	4.4	3.0
21.25°	16.8	16.1	15.1	14.0	12.4	10.5	8.8	7.4	5.9	4.4	3.0
20°	16.8	16.1	15.2	14.0	12.5	10.6	8.9	7.4	5.9	4.5	3.0
18.75°	16.9	16.2	15.3	14.1	12.6	10.8	9.0	7.5	6.0	4.5	3.0
17.5°	17.0	16.3	15.3	14.2	12.8	10.8	9.1	7.5	6.0	4.5	3.1
16.25°	17.0	16.3	15.4	14.3	12.9	10.9	9.1	7.6	6.1	4.6	3.1
15°	17.1	16.4	15.5	14.3	12.9	11.0	9.2	7.6	6.1	4.6	3.1
13.75°	17.1	16.4	15.6	14.4	13.0	11.1	9.2	7.7	6.1	4.6	3.1
12.5°	17.2	16.5	15.6	14.4	13.1	11.2	9.3	7.7	6.2	4.6	3.1
11.25°	17.2	16.5	15.7	14.5	13.2	11.2	9.3	7.7	6.2	4.7	3.1
10°	17.3	16.5	15.7	14.5	13.3	11.3	9.4	7.8	6.2	4.7	3.2
8.75°	17.3	16.6	15.8	14.6	13.3	11.3	9.4	7.8	6.2	4.7	3.2
7.5°	17.3	16.6	15.8	14.6	13.4	11.4	9.4	7.8	6.2	4.7	3.2
6.25°	17.3	16.6	15.8	14.6	13.4	11.4	9.4	7.9	6.3	4.7	3.2
5°	17.4	16.6	15.9	14.7	13.4	11.4	9.5	7.9	6.3	4.7	3.2
3.75°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
2.5°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
1.25°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
0°	17.4	16.7	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.8	3.2
-1.25°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
-2.5°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
-3.75°	17.4	16.6	15.9	14.7	13.5	11.5	9.5	7.9	6.3	4.7	3.2
-5°	17.4	16.6	15.9	14.7	13.4	11.4	9.5	7.9	6.3	4.7	3.2
-6.25°	17.3	16.6	15.8	14.6	13.4	11.4	9.4	7.9	6.3	4.7	3.2
-7.5°	17.3	16.6	15.8	14.6	13.4	11.4	9.4	7.8	6.2	4.7	3.2
-8.75°	17.3	16.6	15.8	14.6	13.3	11.3	9.4	7.8	6.2	4.7	3.2
-10°	17.3	16.5	15.7	14.5	13.3	11.3	9.4	7.8	6.2	4.7	3.2
-11.25°	17.2	16.5	15.7	14.5	13.2	11.2	9.3	7.7	6.2	4.7	3.1
-12.5°	17.2	16.5	15.6	14.4	13.1	11.2	9.3	7.7	6.2	4.6	3.1
-13.75°	17.1	16.4	15.6	14.4	13.0	11.1	9.2	7.7	6.1	4.6	3.1
-15°	17.1	16.4	15.5	14.3	12.9	11.0	9.2	7.6	6.1	4.6	3.1
-16.25°	17.0	16.3	15.4	14.3	12.9	10.9	9.1	7.6	6.1	4.6	3.1
-17.5°	17.0	16.3	15.3	14.2	12.8	10.8	9.1	7.5	6.0	4.5	3.1
-18.75°	16.9	16.2	15.3	14.1	12.6	10.8	9.0	7.5	6.0	4.5	3.0
-20°	16.8	16.1	15.2	14.0	12.5	10.6	8.9	7.4	5.9	4.5	3.0
-21.25°	16.8	16.1	15.1	14.0	12.4	10.5	8.8	7.4	5.9	4.4	3.0



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-22.5°	16.7	16.0	15.0	13.9	12.3	10.4	8.8	7.3	5.8	4.4	3.0
-23.75°	16.6	15.9	14.9	13.8	12.1	10.3	8.7	7.2	5.8	4.4	2.9
-25°	16.5	15.8	14.8	13.7	12.0	10.2	8.6	7.1	5.7	4.3	2.9
-26.25°	16.5	15.7	14.6	13.6	11.8	10.0	8.5	7.1	5.7	4.3	2.9
-27.5°	16.4	15.6	14.5	13.4	11.7	9.9	8.4	7.0	5.6	4.2	2.8
-28.75°	16.3	15.4	14.4	13.3	11.5	9.8	8.3	6.9	5.5	4.2	2.8
-30°	16.2	15.3	14.3	13.1	11.3	9.6	8.2	6.8	5.5	4.1	2.8
-31.25°	16.1	15.2	14.1	12.9	11.2	9.5	8.1	6.7	5.4	4.1	2.7
-32.5°	16.0	15.0	14.0	12.7	11.0	9.3	8.0	6.6	5.3	4.0	2.7
-33.75°	15.8	14.8	13.9	12.4	10.8	9.2	7.9	6.5	5.3	4.0	2.7
-35°	15.7	14.7	13.7	12.2	10.6	9.1	7.8	6.4	5.2	3.9	2.6
-36.25°	15.5	14.5	13.6	12.0	10.4	8.9	7.6	6.3	5.1	3.8	2.6
-37.5°	15.3	14.3	13.3	11.7	10.2	8.8	7.5	6.2	5.0	3.8	2.5
-38.75°	15.1	14.2	13.0	11.5	10.0	8.6	7.4	6.1	4.9	3.7	2.5
-40°	14.9	14.0	12.8	11.3	9.7	8.5	7.2	6.0	4.8	3.7	2.5
-41.25°	14.7	13.8	12.5	11.0	9.5	8.3	7.1	5.9	4.8	3.6	2.4
-42.5°	14.5	13.6	12.2	10.7	9.3	8.1	7.0	5.8	4.7	3.5	2.4
-43.75°	14.2	13.3	11.9	10.5	9.1	8.0	6.8	5.7	4.6	3.5	2.3
-45°	14.0	13.0	11.6	10.2	8.9	7.8	6.7	5.6	4.5	3.4	2.3
-46.25°	13.8	12.6	11.3	9.9	8.7	7.6	6.5	5.5	4.4	3.3	2.2
-47.5°	13.6	12.3	11.0	9.6	8.5	7.5	6.4	5.3	4.3	3.2	2.2
-48.75°	13.2	11.9	10.6	9.4	8.3	7.3	6.2	5.2	4.2	3.2	2.1
-50°	12.8	11.6	10.3	9.1	8.1	7.1	6.1	5.1	4.1	3.1	2.1
-51.25°	12.4	11.2	10.0	8.9	7.9	6.9	5.9	4.9	4.0	3.0	2.0
-52.5°	12.0	10.8	9.6	8.6	7.7	6.7	5.8	4.8	3.9	2.9	1.9
-53.75°	11.6	10.4	9.3	8.4	7.4	6.5	5.6	4.7	3.8	2.8	1.9
-55°	11.2	10.0	9.0	8.1	7.2	6.3	5.4	4.5	3.7	2.8	1.8
-56.25°	10.7	9.6	8.7	7.9	7.0	6.1	5.3	4.4	3.5	2.7	1.8
-57.5°	10.3	9.3	8.4	7.6	6.8	5.9	5.1	4.3	3.4	2.6	1.7
-58.75°	9.8	9.0	8.2	7.3	6.5	5.7	4.9	4.1	3.3	2.5	1.7
-60°	9.4	8.6	7.9	7.1	6.3	5.5	4.7	4.0	3.2	2.4	1.6
-61.25°	9.1	8.3	7.5	6.8	6.0	5.3	4.6	3.8	3.1	2.3	1.5
-62.5°	8.7	8.0	7.2	6.5	5.8	5.1	4.4	3.7	3.0	2.2	1.5
-63.75°	8.3	7.6	6.9	6.2	5.6	4.9	4.2	3.5	2.8	2.1	1.4
-65°	7.9	7.3	6.6	6.0	5.3	4.7	4.0	3.4	2.7	2.0	1.4
-66.25°	7.6	6.9	6.3	5.7	5.1	4.5	3.8	3.2	2.6	1.9	1.3
-67.5°	7.2	6.6	6.0	5.4	4.8	4.2	3.7	3.1	2.4	1.8	1.2
-68.75°	6.8	6.2	5.7	5.1	4.6	4.0	3.5	2.9	2.3	1.7	1.2
-70°	6.4	5.9	5.4	4.8	4.3	3.8	3.3	2.7	2.2	1.6	1.1
-71.25°	6.0	5.5	5.0	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.0
-72.5°	5.6	5.2	4.7	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.0
-73.75°	5.3	4.8	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
-75°	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.8
-76.25°	4.5	4.1	3.8	3.4	3.0	2.7	2.3	1.9	1.5	1.1	0.8
-77.5°	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7



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CANDELA DISTRIBUTION (continued):

	75°	76.25°	77.5°	78.75°	80°	81.25°	82.5°	83.75°	85°	86.25°	87.5°
-78.75°	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.6
-80°	3.3	3.0	2.8	2.5	2.2	1.9	1.7	1.4	1.1	0.8	0.6
-81.25°	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
-82.5°	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4
-83.75°	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.3
-85°	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
-86.25°	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
-87.5°	0.8	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.3	0.2	0.1
-88.75°	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
90°	0.0	0.0
88.75°	0.0	0.0
87.5°	0.1	0.0
86.25°	0.1	0.0
85°	0.1	0.0
83.75°	0.2	0.0
82.5°	0.2	0.0
81.25°	0.2	0.0
80°	0.3	0.0
78.75°	0.3	0.0
77.5°	0.3	0.0
76.25°	0.4	0.0
75°	0.4	0.0
73.75°	0.4	0.0
72.5°	0.5	0.0
71.25°	0.5	0.0
70°	0.5	0.0
68.75°	0.6	0.0
67.5°	0.6	0.0
66.25°	0.6	0.0
65°	0.7	0.0
63.75°	0.7	0.0
62.5°	0.7	0.0
61.25°	0.8	0.0
60°	0.8	0.0
58.75°	0.8	0.0
57.5°	0.9	0.0
56.25°	0.9	0.0
55°	0.9	0.0
53.75°	0.9	0.0
52.5°	1.0	0.0
51.25°	1.0	0.0
50°	1.0	0.0
48.75°	1.1	0.0
47.5°	1.1	0.0
46.25°	1.1	0.0
45°	1.1	0.0
43.75°	1.2	0.0
42.5°	1.2	0.0
41.25°	1.2	0.0
40°	1.2	0.0
38.75°	1.2	0.0
37.5°	1.3	0.0
36.25°	1.3	0.0
35°	1.3	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
33.75°	1.3	0.0
32.5°	1.3	0.0
31.25°	1.4	0.0
30°	1.4	0.0
28.75°	1.4	0.0
27.5°	1.4	0.0
26.25°	1.4	0.0
25°	1.5	0.0
23.75°	1.5	0.0
22.5°	1.5	0.0
21.25°	1.5	0.0
20°	1.5	0.0
18.75°	1.5	0.0
17.5°	1.5	0.0
16.25°	1.5	0.0
15°	1.5	0.0
13.75°	1.6	0.0
12.5°	1.6	0.0
11.25°	1.6	0.0
10°	1.6	0.0
8.75°	1.6	0.0
7.5°	1.6	0.0
6.25°	1.6	0.0
5°	1.6	0.0
3.75°	1.6	0.0
2.5°	1.6	0.0
1.25°	1.6	0.0
0°	1.6	0.0
-1.25°	1.6	0.0
-2.5°	1.6	0.0
-3.75°	1.6	0.0
-5°	1.6	0.0
-6.25°	1.6	0.0
-7.5°	1.6	0.0
-8.75°	1.6	0.0
-10°	1.6	0.0
-11.25°	1.6	0.0
-12.5°	1.6	0.0
-13.75°	1.6	0.0
-15°	1.5	0.0
-16.25°	1.5	0.0
-17.5°	1.5	0.0
-18.75°	1.5	0.0
-20°	1.5	0.0
-21.25°	1.5	0.0



REPORT NUMBER: P220466 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

	88.75°	90°
-22.5°	1.5	0.0
-23.75°	1.5	0.0
-25°	1.5	0.0
-26.25°	1.4	0.0
-27.5°	1.4	0.0
-28.75°	1.4	0.0
-30°	1.4	0.0
-31.25°	1.4	0.0
-32.5°	1.3	0.0
-33.75°	1.3	0.0
-35°	1.3	0.0
-36.25°	1.3	0.0
-37.5°	1.3	0.0
-38.75°	1.2	0.0
-40°	1.2	0.0
-41.25°	1.2	0.0
-42.5°	1.2	0.0
-43.75°	1.2	0.0
-45°	1.1	0.0
-46.25°	1.1	0.0
-47.5°	1.1	0.0
-48.75°	1.1	0.0
-50°	1.0	0.0
-51.25°	1.0	0.0
-52.5°	1.0	0.0
-53.75°	0.9	0.0
-55°	0.9	0.0
-56.25°	0.9	0.0
-57.5°	0.9	0.0
-58.75°	0.8	0.0
-60°	0.8	0.0
-61.25°	0.8	0.0
-62.5°	0.7	0.0
-63.75°	0.7	0.0
-65°	0.7	0.0
-66.25°	0.6	0.0
-67.5°	0.6	0.0
-68.75°	0.6	0.0
-70°	0.5	0.0
-71.25°	0.5	0.0
-72.5°	0.5	0.0
-73.75°	0.4	0.0
-75°	0.4	0.0
-76.25°	0.4	0.0
-77.5°	0.3	0.0



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CATALOG NUMBER: 1003-[A1, S1, SU1]-[RW, RI]-LED4097-M-WT-L2-UNV

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)